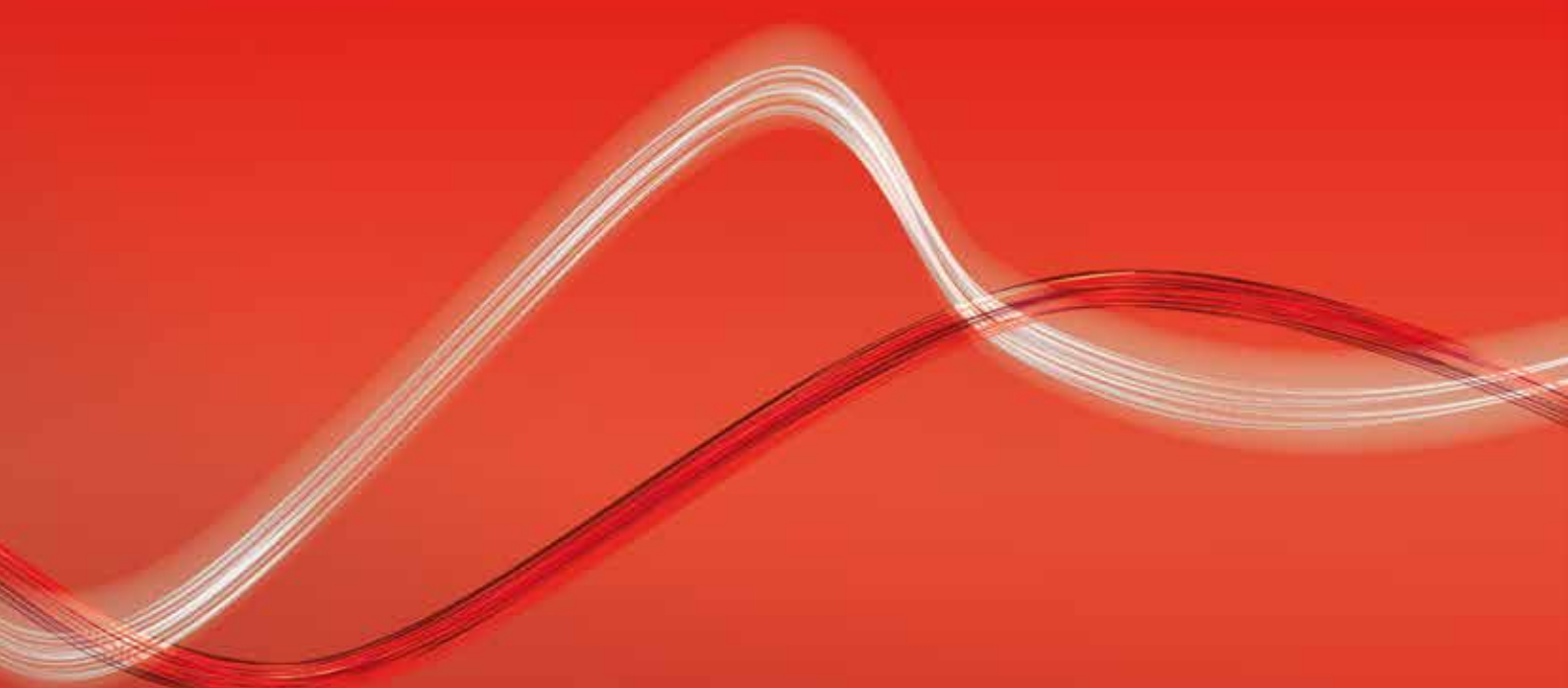


Catalogue 2020/2021



Be ahead

From 1967 to date:

fifty years of Bft solutions.



Our history is a story of creativity; originally the vision of one person, today we are an international company recognised across the world for our intelligent solutions and the reliability of our products.

Joining the Somfy Group in 2004 our company continues to evolve with greater resources, people and increased authority in the international market.

Over the years, whilst developing ever more efficient sliding and swing gate automation technology, the staff at Bft have successfully focused their efforts on creating new solutions for parking systems and access control.

Our 530 distributors and 24 branches in more than 120 countries prove that we know how to stand out and our everyday activities are still inspired by the same curiosity about the future that awaits us.



A place for everyone.

We have launched two specific business units where we develop and market access automation: Residential & Industrial, for businesses and private dwellings, and Commercial & Urban, where we handle infrastructure for large communities, typically with high numbers of visitors and vehicles, which require road barriers,

bollards and automatic doors.

In both situations, we satisfy the demands of customers, who are seeking a trusted and competent partner able to develop intelligent and technologically advanced systems which are simple and intuitive in everyday use.



General contents

From 1967 to date: fifty years of Bft solutions.	2	Bft Easy Set	18
General contents.....	4	BFT, technologies, instruments, protocols	19
Analytical index by product.....	6	Legend of uses.....	23
Analytical index by cod.....	9	Some solutions of the Home Access Automation, Building Access	
What is U-Link?	12	Automation and Urban Access Automation worlds.....	24
All in one scheme: discover this amazing technology.....	14	New	26
BFT interconnectivity technology	16	Home remote control system	28
U-Control	17		
<hr/>			
Electromechanical automation systems for swing gates	34	Automation systems for garage doors.....	106
ATHOS AC A	36	TIZIANO.....	108
PHOBOS AC A.....	40	BOTTICELLI SMART BT A.....	110
PHOBOS BT A.....	42	PHEBE BT A	114
KUSTOS BT A.....	44	ARGO BT A	118
KUSTOS ULTRA BT A	46	BERMA	120
VIRGO SMART BT A.....	48		
IGEA BT	50	Roller shutters automation systems.....	122
IGEA.....	52	REEL EASY.....	124
HIDE SW	54		
E5 BT A.....	56	Automation systems for rolling shutters.....	126
ELI AC A	58	WIND RM.....	128
ELI BT A	60		
Hydraulic automation systems for swing gates	62	Automation systems for industrial sectional doors and folding doors	130
GIUNO ULTRA BT A.....	64	PEGASO B CJA AUTO	132
ORO	66	PEGASO B CJA UP	136
LUX	68	FORB	138
P7 / P4,5.....	72	IGEA LB	140
SUB BT	74		
SUB	78	Automation systems for automatic pedestrian doors.....	142
Sliding gate automation systems.....	80	VISTA SL.....	144
DEIMOS BT A	82	VISTA SL E	150
DEIMOS ULTRA BT A.....	86	VISTA TL.....	156
DEIMOS AC A	88	VISTA SW 260.....	162
ARES VELOCE SMART BT A500.....	92	VISTA SW 350.....	164
ARES BT A	94	Automatic barriers - road barriers.....	174
ARES ULTRA BT A.....	96	MAXIMA ULTRA 36.....	178
ICARO VELOCE SMART AC A1000	98	MAXIMA ULTRA 68.....	182
ICARO SMART AC A.....	100	MAXIMA ULTRA 35.....	186
ICARO ULTRA AC A	102	MAXIMA	190
SP3500	104	MICHELANGELO BT A.....	194
		GIOTTO BT A	198
		MOOVI.....	202

Parking and traffic bollards.	212	Remote controls for automatic gates.	261
PILLAR B 275 / 600	214	KLEIO	261
PILLAR B 275 / 800	216	MITTO	262
STOPPY MBB	220	Switches for automatic gates, entrances and electric appliances . . .	265
STOPPY OMOLOGATO.	224	Q.BO.	265
STOPPY B.	226	Photocells for automatic gates and safety devices	266
DAMPY B.	228	THEA	266
RANCH C	230	COMPACTA A20-180	267
RANCH B.	232	DESME.	268
RANCH R.	234	AKTA-ERIS	270
Anti-Terrorism bollards	236	Control Panel	271
XPASS K4 B.	238	Generic accessories	278
XPASS K12 B.	242	ACCESSORIES FOR CONTROL UNITS	278
RANCH D.	246	SET OF BATTERIES FOR CONTROL UNITS	278
RANCH E.	248	EXPANSION BOARDS.	279
Access control systems and hands-free devices	250	SOFTWARE.	280
COMPASS	250	RECEIVERS	280
PASSY	252	TRANSMITTERS.	281
Solar power supply system	254	CONTROL DEVICES	282
ECOSOL.	255	ACTIVATION SENSORS AUTOMATIC DOORS AND SECURITY.	282
VIP accessories	256	SIGNALLING DEVICES	283
Remote control receiver	256	SAFETY DEVICES - PHOTOCELLS AND ACCESSORIES.	283
CLONIX	256	SAFETY DEVICES - SENSITIVE EDGES	285
MIME	257	RUBBER PROFILES	286
Flashing lights for automatic gates	258	SOLENOID LOCKS	286
IPNOS	258	RELEASE SYSTEM.	287
RADIUS	259	Parking system	288
RADIUS LED	260		
		Warranty Conditions	352

document	catalogue	INFORMATION REGARDING THE PROTECTION OF THE INDUSTRIAL AND INTELLECTUAL PROPERTY RIGHTS OF BFT. BFT S.p.A. protects its industrial property by depositing trademarks, patents, models and designs. The intellectual property of BFT S.p.A. is protected by copyright law. BFT S.p.A. also protects its know-how by taking measures to protect the technical and commercial information inherent in its company and products. All the products in this catalogue are ORIGINAL BFT MODELS and only BFT S.p.A. is authorised to produce them and market them anywhere in the world. All the commercial names in this catalogue are owned by BFT S.p.A., and only BFT S.p.A. is authorised to use them in relation to the corresponding merchandise category. FALSIFIERS WILL BE PROCEEDED AGAINST IN ACCORDANCE WITH BOTH CIVIL AND CRIMINAL LAW. THESE CONDITIONS NOT ONLY GUARANTEE THE INTELLECTUAL PROPERTY RIGHTS OF BFT, BUT ALSO PROTECT CUSTOMERS BY GUARANTEEING THAT THE PRODUCTS THEY ARE PURCHASING ARE ORIGINAL BFT PRODUCTS RESULTING FROM STUDIES AND DESIGNS WITHIN THE BFT COMPANY..
reference	D833262 0AA03	
rev	06	
year	2020/2021	
country	international	
language	english	

ANALYTICAL INDEX BY **PRODUCT**



PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE
485-TC/1P CONVERTER KIT	P800132	308	BAT KIT 1	P120017	278	CM4000	P111055	285	ECOSOL SECURITY	N999475	255
4SAFE IR SAFETY SENSOR MONIT.	P111657 00001	163	BATT-EB	P975005	222	CM5000	P111056	285	ELBA	D113716 00002	125
SW/1MOD/700			BBT BAT	P125020	43	COMPACTA A20-180	P111782	38	ELBA BU	D113717 00002	125
4SAFE IR SAFETY SENSOR MONIT.	P111657 00002	163	BBV BATT MODULO VISTA SL	P111768	146	COMPASS - CUSTOM ISOCARD	D110912	251	ELI AC A35 VELOCE	P930131 00002	59
SW/2MOD/900			BBV SLCT L	P111503	158	COMPASS - RING	D110914	251	ELI AC A40	P930132 00002	59
4SAFE IR SAFETY SENSOR MONIT.	P111657 00003	163	BBV SW 260	P111795	163	COMPASS 485	D113256	250	ELI BT A35 VELOCE	P930133 00002	61
SW/2MOD/900			BBV SW 350 MXL	P111564	165	COMPASS SC USB	D113691	250	ELI BT A40	P930134 00002	61
A-300 SL BAT	P125017	278	BC BONUS LAN	P800136	340	COMPASS SLIM	D113704	250	ERIS A30	P111537	270
AAP	N999735	49	BC BONUS MASTER	FP205015	340	CONTROL DESK IP	135810	305	ERV	N733408	146
ACC MCL ATT	N999386	196	BC BONUS SCANNER SUPPORT	D223127	340	CONTROL DESK IP TOUCH	D114098	305	ESPAS 10 MONEY BOX PLUS EUR	P2093EU00	290
ACOUSTIC DETECTOR	D113705	215	BC BONUS SLAVE	FP205005	340	COPPIA RADIOMODEM RTX 868MHZ (MASTER)	P800142	304	ESPAS 10 MONEY BOX PLUS PLN	P2093ZL00	290
ACTR	N999608	200	BCP	D412377	116	COR 30	N733148	119	ESPAS 10 COIN	P20910000	290
ACV20	P903024	269	BERMA	P915006 00001	121	COR 40	N733149	119	ESPAS 10 MONEY BOX 1EUR	P2092EU10	290
ACV30	P111538	270	BERMA R	P915007 00001	121	COURTESY DISPLAY	D112048	340	ESPAS 10 MONEY BOX 2EUR	P2092EU20	290
ADA CC A	P903032	266	BERMA SA R	P915009 00001	121	CP	D221073	84	ESPAS 10 PROGRAMMER KIT	P800128	290
ADA PHP A	P903033	266	BERMA SEB	P915103 00001	121	CP SD	N999369	278	ESPAS 20-I	P211E2011	294
ADD ON SERVICES	P118005	343	BERMA SEB R	P915105 00001	121	CPEL	D223072	278	ESPAS 20-I CIR	P211C2011	294
ADJ-FOOT	P120093	180	BIN 1250 2X1450 CATENA	P115035 00003	112	CPEM	D223066	278	ESPAS 20-I CIT-BUS	P211E2010	294
AEL 30.8	D113631	259	BIN 1250-2900 CATENA	P115035 00004	112	CPES	D223076	278	ESPAS 20-I SCN	P211E2N11	294
AEL 433	D113632	280	BIN 1250-3500 CATENA	P115035 00001	111	CPS DX	N733066 00001	79	ESPAS 20-I SCN CIT-BUS	P211E2N10	294
AKTA A30	P111536	270	BIN 650-850 CATENA 2900	P115036 00001	111	CPS G	N733092	79	ESPAS 20-P AED	P214E201DM001	301
ALCOR AC A	D114092 00002	67	BIN 650-850 CATENA 2K1450	P115036 00004	111	CPS SX	N733066 00002	79	ESPAS 20-P CCN AUD	P214E201AD081	302
ALCOR AC A 120V	D114092 00001	274	BIN 650-850 CATENA 2K1750	P115036 00005	111	CRC SPARE KEY	D531097 00001	287	ESPAS 20-P CCN CIT-BUS EUR	P214E200EU081	302
ALENA SW2	D113811 00004	37	BIN 650-850 CATENA 2K1750	P115036 00002	111	CREP	P111183	125	ESPAS 20-P CCN EUR	P214E201EU081	302
ALENA SW2 120V	D113811 00003	37	BIN 650-850 CINGHIA 2900	P115037 00001	111	CSC 50	P903008	282	ESPAS 20-P CCN GBP	P214E201GB081	302
ALLU	P800104	229	BIN 650-850 CINGHIA 2K1450	P115037 00003	111	CSP 10	N190039	285	ESPAS 20-P CCN RON	P214E201LR081	302
ALLU 2 MAXIMA ULTRA	P120075	180	BIN 650-850 CINGHIA 2K1750	P115037 00004	111	CSP 20	N190040	285	ESPAS 20-P CIT-BUS EUR	P214E200EU001	301
ALLU K12	P975069	249	BIN 650-850 CINGHIA 3500	P115037 00002	111	CSP 25	N190041	286	ESPAS 20-P CIT-BUS GBP	P214E200GB001	302
ALLU2 MAXIMA	P120083	191	BIN 650-850 CINGHIA 3500	P115037 00001	111	CSR99 20	R920110	93	ESPAS 20-P CZK	P214E201CZ001	301
AMV	N998600	49	BIN 8 GDA 2X1510 BELT	P115026 00003	109	CTA	N733120	116	ESPAS 20-P EUR	P214E201EU001	301
ANEM	P111182	125	BIN 8 GDA 2X1810 BELT	P115026 00004	109	CTA2	N733129	116	ESPAS 20-P GBP	P214E201GB001	301
APL	P903020	266	BIN 8 GDA 3020 BELT	P115026 00001	109	CTBP	N733299	116	ESPAS 20-P HRK	P214E201KN001	301
APT	N999060	112	BIN 8 GDA 3020 CAT	P115015 00001	109	CUSTOMIZED FANFOLD GAP TICKET	999ASK999	292	ESPAS 20-P MXN	P214E201PM001	301
APT 5	N999060 00001	112	BIN 8 GDA 3620 BELT	P115026 00002	109	CVZ	D571053	84	ESPAS 20-P PLN	P214E201ZL001	301
AQ3	N728033	200	BIN 8 GDA 3620 CAT	P115015 00002	109	CVZ-S	N999320	84	ESPAS 20-P PRN	P214E201LR001	301
AQ5	N728034	200	BIN 8 GDA 2X1510 CAT	P115015 00003	109	CROWN MAXIMA U36	P940095 00000	179	ESPAS 20-P SCCN AUD	P214E201AD381	302
AQ6	N728022	196	BIN 8 GDA 2X1810 CAT	P115015 00004	109	CROWN MAXIMA U36 INOX	P940095 00200	180	ESPAS 20-P SCCN EUR	P214E201EU381	302
ARB GIUNO	N733474 00001	65	BIR C	N190104	37	CROWN RGB MAXIMA U36	P940095 00100	180	ESPAS 20-P SCCN GBP	P214E201GB381	302
ARB KUSTOS FRONT	N733466	45	BLOCANTI 40	P130001	125	CROWN RGB MAXIMA U36 INOX	P940095 00203	180	ESPAS 20-P SM CIT-BUS EUR	P214E200EU101	302
ARB LUX	N733426	65	BLOCANTI 50	P130013	125	CROWN RGB MAXIMA U36 RAL	P940095 00103	180	ESPAS 20-P SM CIT-BUS GBP	P214E200GB101	302
ARB LUX G	N733474	65	BLP	P7303288	116	DAMPY B 115/500	P970083 00001	229	ESPAS 20-P SM EUR	P214E201EU101	302
ARB ORO	N733424	65	BM	D730964	196	DAMPY B 115/500 - RAL	P970083 00101	229	ESPAS 20-P SM PLN	P214E201ZL101	302
ARB ORO - LUX	N733424 00001	67	BMCA	P903031	267	DAMPY B 115/500 I	P970083 00002	229	ESPAS 20-SA	P211E20A11	298
ARB PHOBOS 25	N733427 00001	41	BOLLARD CABLE EXT25	P800114	215	DAMPY B 219/500	P970084 00001	229	ESPAS 20-SA CIT-BUS	P211E20A10	298
ARB PHOBOS 40	N733428 00001	41	BOLLARD CABLE EXT50	P800115	215	DAMPY B 219/500 - RAL	P970084 00101	229	ESPAS 20-T	FP205010	300
ARB PHOBOS N	N733427	41	BOOM P530	P120087 00001	180	DAMPY B 219/500 I	P970084 00002	229	ESPAS 20-U	P211E20U11	296
ARB PHOBOS N L	N733428	41	BOOM P540	P120087 00002	180	DAMPY B 219/500 L	P970084 00001	229	ESPAS 20-U CIR	P211C20U11	296
ARES BT A1000	P926189 00002	95	BOOM P550	P120087 00003	180	DAMPY B 219/500 L - RAL	P970085 00001	229	ESPAS 20-U CIT-BUS	P211E20U10	296
ARES BT A1000 V	P926190 00002	95	BOOM P560	P120087 00004	180	DAMPY B 219/500 L - RAL	P970085 00101	229	ESPAS 20-U PLUS	P211E2U11	296
ARES BT A1500	P926187 00002	95	BOTTICELLI BT A 650	P915211 00002	111	DAMPY B 219/500 L	P970085 00002	229	ESPAS 20-U PLUS CIT-BUS	P211E2RU10	296
ARES BT A1500 V	P926188 00002	95	BOTTICELLI SMART BT A 1250	P915213 00002	111	DAMPY B 219/700	P970086 00001	229	ESPAS 30-A ULTRA RF	PASD04OR10000	330
ARES ULTRA BT A1000	P926193 00002	97	BOTTICELLI SMART BT A 850	P915212 00002	111	DAMPY B 219/700 - RAL	P970086 00101	229	ESPAS 30-A ULTRA RF CIT-IP	PASD04OR12000	330
ARES ULTRA BT A1000 120	P926193 00001	97	BOX	N574039	49	DAMPY B 219/700 L	P970086 00002	229	ESPAS 30-I	P211E3011	306
ARES ULTRA BT A1500	P926191 00002	97	BRACKET SKIRT	P120095	180	DAMPY B 219/700 L	P970087 00001	229	ESPAS 30-I CIT-BUS	P211E3010	306
ARES ULTRA BT A1500 120	P926191 00001	97	BRTS	P115029	112	DAMPY B 219/700 L - RAL	P970087 00101	229	ESPAS 30-I CIT-IP	P211E3015	306
ARES VELOCE SMART BT A 500	P926198 00002	93	BSC	N728002	79	DAMPY B 219/700 L - RAL	P970087 00002	229	ESPAS 30-I DA	P211EHH11	307
ARES VELOCE SMART BT KIT A500 INT	R925342 00001	93	BT BAT1	P125005	55	DAMPY B 219/700 LI	P970087 00002	229	ESPAS 30-I DA CIT-BUS	P211EHH10	307
ARGO BT A 20	P925258 00002	119	BT BAT2	P125007	115	DATABASE SOFTWARE	P118002	343	ESPAS 30-I DA CIT-IP	P211EHH15	307
ARGO BT A 35	P925260 00002	119	BT BAT2	P125009	278	DCW BAT	N999465	270	ESPAS 30-I DA SCN CIT-BUS	P211EHH10	307
ART 90 Q	N728051	200	BTFC 120 E	P123397	59	DEIMOS AC A600	P925230 00002	89	ESPAS 30-I DA SCN CIT-IP	P211EHH15	307
ART90 BOOM P530	P120092 00001	180	BTFC 120 E INOX	P123398	59	DEIMOS AC A600 120 V	P925230 00001	89	ESPAS 30-I MIFARE	P211E3M11	306
ART90 BOOM P530 R/G	P120092 00002	180	BTM-SKIRT	P120085	180	DEIMOS AC A600 120V	P925230 00004	89	ESPAS 30-I MIFARE CIT-BUS	P211E3M10	306
ART90 BOOM P550	P120092 00003	180	BUS HEIGHT PEDESTAL 600MM	D413530	295	DEIMOS AC A600 SQ	P925230 00005	89	ESPAS 30-I MIFARE CIT-IP	P211E3M15	306
ART90 BOOM P550 R/G	P120092 00004	180	CA1	P1233038	121	DEIMOS AC A600 V	P925230 00003	89	ESPAS 30-I SCN	P211E3N11	306
ASW 260 XL ART	P111791	163	CA2	N733040	121	DEIMOS AC A800 120	P925231 00001	89	ESPAS 30-I SCN CIT IP	P211E3N15	306
ASW 260 XL ARTL BRCLARTICSPINGERE	P111794	163	CA2C	N733041	121	DEIMOS AC A800 120 SL DN	P925231 00001	89	ESPAS 30-I SCN CIT-BUS	P211E3N10	307
LUNGO SW 260	P111790	163	CABLE LX BT	N999417	65	DEIMOS AC A800 120 V SL DN	P925231 00004	89	ESPAS 30-I SCN MIFARE	P211E3S11	307
ASW 260 XL RIG	P111566	165	CABLE N BT	N999404	45	DEIMOS AC A800 120V SL DN	P925231 00004	89	ESPAS 30-I ULTRA RF	PAD204OR10000	323
ASW 350 XL ART	P111567	166	CAL 60/100	P130002	125	DEIMOS AC A800 SL DN	P925231 00002	89	ESPAS 30-I ULTRA SCN RF	PAD214OR12000	323
ASW 350 XL ARTL	P111565	165	CAL 60/30	P130004	125	DEIMOS AC A800 SQ	P925231 00005	89	ESPAS 30-I ULTRA SCN RF CIT-IP	PAD214OR12000	323
AT 502	N728028	196	CAS1	N733042	121	DEIMOS AC A800 V SL DN	P925231 00003	89	ESPAS 30-P AED	P214E301DM001	316
AT 504	N728027	196	CAS2	N733074	121	DEIMOS AC A800 V SL DN	P925231 00004	89	ESPAS 30-P AUD	P214E301AD001	316
AT 704	N728026	196	CAS2L	N733048	121	DEIMOS AC KIT A600 FRA	R925281 00002	89	ESPAS 30-P CC-AUS	P214E305AD005	317
AT 706	N728030	196	CASH DRAWER	N733075	121	DEIMOS AC KIT A600 INT SL DN	P925232 00002	83	ESPAS 30-P CC-FRA CIT-BUS EUR	P214E300EU0F1	317
AT3	N728031	200	CBA	135138	340	DEIMOS BT A400	P925222 00001	83	ESPAS 30-P CC-FRA EUR	P214E301EU0F1	317
AT5	N728032	200	CBAC	N733112	116	DEIMOS BT A400 SQ	P925222 00005	83	ESPAS 30-P CC-ITA CIT-BUS EUR	P214E300EU091	317
AT6	N728038	200	CBAC-G	N733221	116	DEIMOS BT A400 V	P925222 00003	83	ESPAS 30-P CC-ITA CIT-IP EUR	P214E305EU091	317
ATHOS AC A25 AL	P935109 00002	37	CBAS	N733119	116	DEIMOS BT A400 V 120	P925222 00004	83	ESPAS 30-P CC-ITA EUR	P214E301EU091	317
ATHOS AC A25 AR	P935108 00002	37	CBASL	N733113	116	DEIMOS BT A400 V SQ	P925222 00006	83	ESPAS 30-P CC-ITA MIFARE CIT-IP EUR	P214E3MSUE091	317
ATHOS AC A40 AL	P935116 00002	37	CBO	D730251	200	DEIMOS BT A600	P925224 00002	83	ESPAS 30-P CC-UK CIT-BUS GBP	P214E300GB0K1	317
ATHOS AC A40 AR	P935115 00002	37	CC RFL	P903013	284	DEIMOS BT A600 120	P925224 00001	83	ESPAS 30-P CC-UK CIT-IP GBP	P214E305GB0K1	317
ATHOS AC KIT A25 EU	R935339 00002	37	CCI	D221573	284	DEIMOS BT A600 V	P925224 00005	83	ESPAS 30-P CC-UK GBP	P214E301GB0K1	317
ATHOS AC KIT A40 EU	R935344 00002	37	CELLULA 50	D211272	284	DEIMOS BT A600 V 120	P925224 00004	83	ESPAS 30-P CCN CIT-BUS EUR	P214E300EU081	317
ATM25	P120111 00001	189	CELLULA RFL	P111391	284	DEIMOS BT A600 V FRA	P925224 00006	83	ESPAS 30-P CCN CIT-BUS MXN	P214E300PM081	317
ATM30	P120102 00002	189	CFZ	D571054	93	DEIMOS BT KIT A600 FRA	R925267 00002	83	ESPAS 30-P CCN CIT-BUS NZD	P214E300NZ081	317
ATM30 180°	P120110 00001	188	CFZ6	D571491	105	DEIMOS BT KIT A600 FRA	R925271 00002	83	ESPAS 30-P CCN EUR	P214E301EU081	317
ATM30 180° RG	P120063 00001	188	CINGHIA DENTATA GOMMA RPP8-15		148	DEIMOS ULTRA BT A400	P				



PRODUCT	CODE	PAGE
ESPAS 30-P SCN SM HRK	P214E01KN101	318
ESPAS 30-P SM CN PLN	P214E301ZL181	318
ESPAS 30-P SM CIT-BUS COP	P214E300PC101	318
ESPAS 30-P SM CIT-BUS EUR	P214E300EU101	318
ESPAS 30-P SM EUR	P214E301EU101	318
ESPAS 30-P ULTRA AED B R RF	PA1D3A0R10000	335
ESPAS 30-P ULTRA AED M B H R RF CIT-IP	PA1D3F0R12000	335
ESPAS 30-P ULTRA AED M RF	PA1D310R10000	335
ESPAS 30-P ULTRA AUD M B R RF	PA1D1A0R10000	334
ESPAS 30-P ULTRA AUD CC-AUS RF	PA1D105R10000	333
ESPAS 30-P ULTRA AUD M B H R	PA1D1B5R10000	334
CC-AUS RF		
ESPAS 30-P ULTRA AUD M B H R CC-AUS RF CIT-IP	PA1D1B5R12000	334
ESPAS 30-P ULTRA AUD M B H R RF	PA1D1F0R10000	334
ESPAS 30-P ULTRA AUD M RF	PA1D110R10000	334
ESPAS 30-P ULTRA EUR B R RF	PA1D4A0R10000	333
ESPAS 30-P ULTRA EUR CC-DEU RF	PA1D404R10000	333
ESPAS 30-P ULTRA EUR CC-FRA RF	PA1D402R10000	333
ESPAS 30-P ULTRA EUR CC-ITA RF	PA1D401R10000	333
ESPAS 30-P ULTRA EUR M B H R	PA1D4F4R10000	333
CC-DEU RF		
ESPAS 30-P ULTRA EUR M B H R CC-DEU RF CIT-IP	PA1D4F4R12000	333
ESPAS 30-P ULTRA EUR M B H R	PA1D4F2R10000	333
CC-FRA RF		
ESPAS 30-P ULTRA EUR M B H R CC-FRA RF CIT-IP	PA1D4F2R12000	333
ESPAS 30-P ULTRA EUR M B H R CC-ITA RF	PA1D4F1R10000	333
ESPAS 30-P ULTRA EUR M B H R CC-ITA RF CIT-IP	PA1D4F1R12000	333
ESPAS 30-P ULTRA EUR M B H R RF	PA1D4F0R10000	333
ESPAS 30-P ULTRA EUR M RF	PA1D410R10000	333
ESPAS 30-P ULTRA GBP B R RF	PA1D5A0R10000	334
ESPAS 30-P ULTRA GBP CC-UK RF	PA1D503R10000	333
ESPAS 30-P ULTRA GBP M B H R CC-UK RF	PA1D5F3R10000	334
ESPAS 30-P ULTRA GBP M B H R CC-UK RF CIT-IP	PA1D5F3R12000	335
ESPAS 30-P ULTRA GBP M B H R RF	PA1D5F0R10000	334
ESPAS 30-P ULTRA GBP M RF	PA1D510R10000	334
ESPAS 30-P ULTRA HRK CC-HRV RF	PA1D607R10000	333
ESPAS 30-P ULTRA HRK M B H R	PA1D6F7R10000	334
CC-HRV RF		
ESPAS 30-P ULTRA HRK M B H R CC-HRV RF CIT-IP	PA1D6F7R12000	334
ESPAS 30-P ULTRA HRK M B H R RF	PA1D6F0R10000	333
ESPAS 30-P ULTRA MXN B R RF	PA1DCA0R10000	335
ESPAS 30-P ULTRA MXN M B H R	PA1DCF0R12000	335
RF CIT-IP		
ESPAS 30-P ULTRA MXN M RF	PA1DC10R10000	335
ESPAS 30-P ULTRA PLN B R RF	PA1DDA0R10000	334
ESPAS 30-P ULTRA PLN CC-POL RF	PA1DD06R10000	333
ESPAS 30-P ULTRA PLN M B H R	PA1DDF6R10000	334
CC-POL RF		
ESPAS 30-P ULTRA PLN M B H R CC-POL RF CIT-IP	PA1DDF6R12000	334
ESPAS 30-P ULTRA PLN M B H R RF	PA1DDF0R10000	334
ESPAS 30-P ULTRA PLN M RF	PA1DD10R10000	334
ESPAS 30-SA	P211E30A11	314
ESPAS 30-SA CIT-BUS	P211E30A10	314
ESPAS 30-SA CIT-IP	P211E30A15	314
ESPAS 30-SA DA CIT-IP	P211E30A11	314
ESPAS 30-SA MIFARE	P211E3MA11	314
ESPAS 30-SA MIFARE CIT-BUS	P211E3MA10	314
ESPAS 30-SA MIFARE CIT-IP	P211E3MA15	314
ESPAS 30-SA SCN	P211E3NA11	314
ESPAS 30-SA VCIT-IP	P211E30A16	314
ESPAS 30-U	P211E30U11	309
ESPAS 30-U CC ULTRA SCN CC-AUS RF	PA4D145R10002	328
ESPAS 30-U CC ULTRA SCN CC-AUS RF CIT-IP	PA4D145R12000	328
ESPAS 30-U CC ULTRA SCN CC-FRA RF	PA4D142R10000	327
ESPAS 30-U CC ULTRA SCN CC-FRA RF CIT-IP	PA4D142R12000	327
ESPAS 30-U CC ULTRA SCN CC-ITA RF	PA4D141R10000	327
ESPAS 30-U CC ULTRA SCN CC-ITA RF CIT-IP	PA4D141R12000	327
ESPAS 30-U CC ULTRA SCN CC-UK RF	PA4D143R10001	328
ESPAS 30-U CC ULTRA SCN CC-UK RF CIT-IP	PA4D143R12000	328
ESPAS 30-U CC-FRA	P211E30F11	312
ESPAS 30-U CC-ITA	P211E30P11	312
ESPAS 30-U CC-ITA CIT-IP	P211E30P15	312
ESPAS 30-U CC-UK	P211E30K11	312
ESPAS 30-U CIT-BUS	P211E30U10	309
ESPAS 30-U CIT-IP	P211E30U15	309
ESPAS 30-U DA	P211E3HU11	310
ESPAS 30-U DA CIT-BUS	P211E3HU10	310
ESPAS 30-U DA PLUS CIT-BUS	P211E3HU10	310
ESPAS 30-U DA PLUS CIT-IP	P211E3HU15	310
ESPAS 30-U MIFARE	P211E3MU11	309
ESPAS 30-U MIFARE CIT-BUS	P211E3MU10	309
ESPAS 30-U MIFARE CIT-IP	P211E3MU15	309
ESPAS 30-U PLUS	P211E3RU11	310
ESPAS 30-U PLUS CIT-BUS	P211E3RU10	310
ESPAS 30-U PLUS CIT-IP	P211E3RU15	310
ESPAS 30-U ULTRA PLUS RF	PA3D240R10000	325
ESPAS 30-U ULTRA SCN RF	PA3D140R10000	325
ESPAS 30-U ULTRA SCN RF CIT-IP	PA3D140R12000	325
ESPAS 30-U VCIT-IP	P211E30U16	310
ESPAS OFFLINE DISCOUNT PRINTER	P20T004Z2	292
ESPAS TICKET PRINTER	P20T0041E	340
EXPANSION KIT MODULO VISTA FOR 2 LEAVES	P111749	148
EXT ASW 260 XL 70	P111796	163
EXT ASW 260 XL 90	P111797	163
EXT ASW 260 XL+20	P111792	163
EXT ASW 350 XL 30	P111563 00001	165
EXT ASW 350 XL 50	P111563 00002	165
EXT ASW 350 XL 70	P111563 00003	165
EXT ASW 350 XL 90	P111563 00004	165
EXTENDED TEMPERATURE 8P SWITCH	D1211215	339
FAF	D730088	196
FAF 2	P120023	196
FAF 2R	P125025	196
FAF UNI	P120080	181
FALCON	P111407	119

PRODUCT	CODE	PAGE
FANFOLD GAP TICKETS BFT	D191186	292
FANFOLD GAP TICKETS NEUTRAL	360558	292
FCEBT	N733951	59
FCS BT	N733480 00001	75
FCS DX	N733066 00003	79
FCS MAXIMA 5	P120033	189
FCS MAXIMA 6-8	P120034	192
FCS MU68	P120035	184
FCS SX	N733066 00004	79
FLANGE RANCH C	P800109	231
FLANGE RANCH D	P800110	247
FLANGE RANCH E	P800119	249
FLC 8K2	P111400	279
FORB	P935017 00001	139
FORB ERS	P935038 00001	139
FORB R	P935019 00001	139
FULL-SKIRT	P120086	180
GA AQ AT	D940008	196
GA ATM	P120050	184
GAM	D940007	200
GAMA AQ AT	D940009	197
GOTTO BT A 30 U 230V50	P940078 00002	199
GOTTO BT A 30 U 230V50 RAL PERS	P940078 00102	199
GOTTO BT A 30S U 120V60	P940079 00001	199
GOTTO BT A 30S U 120V60 RAL PERS	P940079 00101	199
GOTTO BT A 30S U 230V50	P940079 00002	199
GOTTO BT A 30S U 230V50 RAL PERS	P940079 00102	199
GOTTO BT A 60 U 230V50	P940080 00002	199
GOTTO BT A 60 U 230V50 RAL PERS	P940080 00102	199
GOTTO BT A 60S U 120V60	P940081 00001	199
GOTTO BT A 60S U 120V60 RAL PERS	P940081 00101	199
GOTTO BT A 60S U 230V50	P940081 00002	199
GOTTO BT A 60S U 230V50 RAL PERS	P940081 00102	199
GOTTO M BG BAT KIT	P120074	201
GIUNO ULTRA BT A20	P935105 00001	65
GIUNO ULTRA BT A50	P935106 00001	65
HEATER UNIT	D121711	295
HIDE HINGE INF	N995524	55
HIDE HINGE SUP	N995526	55
HIDE SW	P930124 00001	55
HR100-CT	P111652	282
HYPHEN PS	P120091	180
ICARO SMART AC A2000	P925236 00002	101
ICARO SMART AC A2000 120	P925236 00001	101
ICARO SMART AC A2000 SQ	P925236 00003	101
ICARO SMART AC A2000 V	P925237 00001	101
ICARO SMART AC A2000 V 120	P925237 00001	101
ICARO SMART AC A2000 V SQ	P925237 00003	101
ICARO ULTRA AC A2000	P925238 00002	103
ICARO VELOCE SMART AC A1000	P925256 00002	99
IGEA	P935065 00002	53
IGEA BT	P935070 00002	51
IGEA BT KIT FRA THALIA	R935297 00002	51
IGEA KIT FRA	R935221 00002	53
IGEA LB	P935077 00001	141
IGEA LB BT	P935077 00002	141
IP MODULE	D112074	305
IPNOS B LTB 24 R1	D113783	258
IS ATML	P120078	184
IT23	P111399	279
IXIO-DT1	P111655	141
JANICA SOFTWARE FULL	P118001	342
KABP	P125042	115
KIT ART90 PS	P120092	180
KIT ATM LIGHT 3 R/G 2W	P120077 00001	183
KIT ATM LIGHT 5 R/G 2W	P120077 00002	183
KIT ATM LIGHT 8 R/G 2W	P120077 00003	183
KIT COMPACTA - PHP	R400009	38
KIT DENEBO TO DENEBO	P800138	307
KIT DESME - PHP	R400006	268
KIT FPA MA-12	P111687	147
KIT FPA1	P111683	147
KIT FPA2	P111685	147
KIT INTERLOCK FOR PARKING	P800137	308
KIT LIGHT	P120001 00001	200
KIT LIGHT1	P120001 00002	200
KIT ML MCL40	P120072	196
KIT MONTAGGIO VISTA TL 2 ANTE	P960610 00002	160
KIT MONTAGGIO VISTA TL 4 ANTE	P960611 00002	160
KIT NEA LITE POLE MOUNTING	D114176	345
KIT PARKING SERVER	P800139	342
KIT POS CLIENT	P800140	342
KIT POWER SUPPLY NEA LITE / TUVA LITE	P975093	344
KIT PROFIL VISTA SL 3M UTILE N	P960614 00001	148
KIT PROFIL VISTA SL 3M UTILE N	P960614 00001	148
KIT PROFIL VISTA SL 3M UTILE O	P960614 00002	148
KIT PROFIL VISTA SL 3M UTILE O	P960614 00002	148
KIT PROFIL VISTA SL 4.4M UTILE N	P960615 00001	148
KIT PROFIL VISTA SL 4.4M UTILE N	P960615 00001	148
KIT PROFIL VISTA SL 4.4M UTILE O	P960615 00002	148
KIT PROFIL VISTA SL 4.4M UTILE O	P960615 00002	148
KIT PROFIL VISTA SL 6M UTILE N	P960616 00001	148
KIT PROFIL VISTA SL 6M UTILE N	P960616 00001	148
KIT PROFIL VISTA SL 6M UTILE O	P960616 00002	148
KIT PROFIL VISTA TL 4,7M N	P960613 00001	160
KIT PROFIL VISTA TL 4,7M O	P960613 00002	160
KIT PROFIL VISTA TL 6,8M N	P960612 00001	160
KIT PROFIL VISTA TL 6,8M O	P960612 00002	160
KIT STATIONS ANCHOR BASE	21261	295
KLEIO B RCOA2 R1	D111888	261
KLEIO B RCOA4 R1	D111890	261
KUSTOS BT A25	P935099 00002	45
KUSTOS BT A40	P935100 00002	45
KUSTOS BT KIT A25 FRA	R935307 00005	45
KUSTOS BT KIT A40 FRA	R935310 00005	45
KUSTOS ULTRA BT A25	P935101 00002	47
KUSTOS ULTRA BT A40	P935102 00002	47
KUSTOS ULTRA BT KIT A25 FRA	R935308 00005	47
KUSTOS ULTRA BT KIT A40 FRA	R935311 00005	47
LAS	N728052	49
LASER DETECTOR REMOTE CONTROL	394075	295
LASER SAFETY DETECTOR	394073	295
LBA	N734921	57
LCM	D121011	282
LEO B CBB L01	D113767 00002	133
LEO B CBB L02	D113777 00002	275

PRODUCT	CODE	PAGE
LEO B CBB W01	D113768 00002	133
LIBRA C LX QSG2	D113715 00002	272
LIBRA C MA	D113672 00005	272
LIBRA CB HIDE	D113742 00002	55
P120089 10001	LIGHT PS 30-B	181
P120089 10002	LIGHT PS 40-B	181
P120089 10003	LIGHT PS 50-B	181
P120089 10004	LIGHT PS 60-B	181
LOOP DETECTOR LITE	D113999	295
LOOP DETECTOR PRO	P111786	240
LRV	P135005	51
LS12	N735057	57
LS18	N735058	57
LUX	P935009 00001	70
LUX 2B	P935011 00001	70
LUX 2B UL/CSA 120V	P935011 00013	70
LUX 2B WINTER	P935011 00028	70
LUX B	P935010 00001	70
LUX BA	P935027 00001	70
LUX FC 2B	P935039 00001	70
LUX FC 2B UL/CSA	P935039 00002	70
LUX G	P935013 00001	70
LUX G WINTER	P935013 00022	70
LUX GV	P935014 00001	70
LUX L	P935012 00001	70
LUX LR	P935049 00001	70
LUX MB	P935035 00001	70
LUX MB KIT	R935217 00002	70
LUX R	P935044 00001	70
LUX R 2B 25N UL/CSA	P935046 00004	70
LUX R 2B SN2	P935046 00002	70
LUX R2B	P935046 00001	70
LUX RSN2	P935044 00002	70
LUX SA	P935025 00001	70
LUX WINTER	P935009 00025	70
MAGIC SWITCH	P111676	147
MAGNETIC LOOP 6MT	D110945	295
MAGNETIC LOOP 8MT	D141784	295
MANUAL PUMP 2LT	P800111	239
MAXIMA 30	P940070	191
MAXIMA 30 - RAL	P940070 00102	191
MAXIMA 60	P940071	191
MAXIMA 60 - RAL	P940071 00102	191
MAXIMA 80	P940072	191
MAXIMA 80 - RAL	P940072 00102	191
MAXIMA ULTRA 35 SM	P940073 00002	187
MAXIMA ULTRA 35 SM + ASS MOLLA	P940082	187
MAXIMA ULTRA 35 SM + ASS MOLLA RAL	P940073 00109	187
MAXIMA ULTRA 35 SM - RAL	P940073 00102	187
MAXIMA ULTRA 35 SM 115V NPB	P940073 00008	187
NO MOLLA		
MAXIMA ULTRA 35 SM 115V NPB NO MOLLA RAL	P940073 00108	187
MAXIMA ULTRA 35 SM ST. STEEL (INOX)	P940073 00007	188
MAXIMA ULTRA 36 120V	P940093 00001	179
MAXIMA ULTRA 36 120V INOX	P940093 00201	179
MAXIMA ULTRA 36 120V RAL	P940093 00101	179
MAXIMA ULTRA 36 230V	P940093 00002	179
MAXIMA ULTRA 36 230V RAL	P940093 00102	179
MAXIMA ULTRA 36 INOX 230V	P940093 00202	179
MAXIMA ULTRA 36 XL 120V	P940094 00001	179
MAXIMA ULTRA 36 XL 120V INOX	P940094 00002	179
MAXIMA ULTRA 36 XL INOX 120V	P940094 00201	179
MAXIMA ULTRA 36 XL INOX 230V	P940094 00202	179
MAXIMA ULTRA 36 XL RAL 120V	P940094 00101	179
MAXIMA ULTRA 36 XL RAL 230V	P940094 00102	179
MAXIMA ULTRA 68 SM	P940074 00002	183
MAXIMA ULTRA 68 SM + ASS MOLLA	P940083	183
MAXIMA ULTRA 68 SM + ASS MOLLA RAL	P940074 00109	183
MAXIMA ULTRA 68 SM - RAL	P940074 00102	183
MCL BT A BAT KIT	P125038	197
MCL LAMPO KIT	P120006	196
MCL LIGHT KIT	P120005 00001	196
ME	D111013	37
ME BT	D111761	279
ME110	D111501	279
MICHELANGELO BT A 60 U	P940076 00002	195
MICHELANGELO BT A 60 U 120	P940076 00001	195
MICHELANGELO BT A 60 U 120 RAL	P940076 00101	195
MICHELANGELO BT A 60 U 120 RAL	P940076 00102	195
MICHELANGELO BT A 80 U	P940077 00002	195
MICHELANGELO BT A 80 U 120	P940077 00001	195
MICHELANGELO BT A 80 U 120 RAL	P940077 00101	195
MICHELANGELO BT A 80 U 120 RAL	P940077 00102	195
MIFARE ISOCARD DESK READER	D112086	341
13.56MHZ		
MIFARE PROXIMITY CARD 13.56MHZ	D191145	305
MIME AC	D113824	125
MIME AC KIT	R400005	257
MIME AC PAD KIT	R400008	257
MIME AC TX KIT	R400007	257
MIME PAD	P121028	125
MIME TX	D113831	125
MIMO RCB02 2CH CUSTOMIZED	D112196	263
MIMO RCB02 2CH REPLAY	D112198	263
MIMO RCB02 R1	D111904	37
MIMO RCB02 R2 REPLAY	D111905	263
MIMO RCB02 R3	N999542	263
MIMO RCB02 R3 CUSTOMIZED	N998611	263
MIMO RCB04 4CH CUSTOMIZED	D112197	263
MIMO RCB04 4CH REPLAY	D112199	263
CUSTOMIZED		
MIMO RCB04 CLEAR ICE CUSTOMIZED	D112201	263
MIMO RCB04 R1	D111906	125
MIMO RCB04 R1 CLEAR ICE	D111947	125
MIMO RCB04 R1 SUNRISE	D111946	257
MIMO RCB04 R1 VINEYARD	D111945	257
MIMO RCB04 R2 REPLAY	D111907	263
MIMO RCB04 R3	N999543	263
MIMO RCB04 R3 CUSTOMIZED	N998612	263
MIMO RCB04 R6 RAINBOW	N999629	263
MIMO RCB04 SUNRISE CUSTOMIZED	D112200	263
MIMO RCB04 VINEYARD CUSTOMIZED	D112202	263

PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	PRODUCT	CODE	PAGE	
PHP A	P903028	38	PRV GK.03	P111624	168	SCS 1 MA	P111377	279	TLIGHTS - RAL	P800117	01002	215
PHP ADA	P903025	270	PRV GK.06	P111625	168	SCS WIE	P111408	265	TOKENS	P800015		290
PHP BA1	P903023	266	PRV GK.07	P111626	168	SCT	N733189	286	TOTEM UNIT	P800116		215
PHP BI	P903022	266	PRV GK.09	P111712	168	SEB	N733020	121	TOTEM UNIT - RAL	P800116	01002	215
PHP2 A	P903029	266	PRV GK.12	P111641	168	SECURBASE LIGHT USB	P111388	251	TP MAXIMA ULTRA	P120076		184
PHP3	P903026	265	PRV GK.14	P111643	169	SECURBASE PLUS USB	P111389	251	TPF	P800040		215
PHP4 A	P903030	266	PRV GK.15	P111644	169	SET/S	N733069	109	TRAFFIC LIGHT 100MM	D121458		295
PIG 12/ULISSE S	N733338	119	PRV GK.24	P111619	169	SFD	N999151	84	TRAFFIC LIGHT 2-SIDE PANEL DE	P2231681		292
PIG 14/ULISSE S	N733336	119	PRV GK.28	P111622	169	SFI	N999156	93	TRAFFIC LIGHT 2-SIDE PANEL EN	P2231682		292
PIG 18/ULISSE S	N733339	119	PRV TL.T	P111660	158	SFO	N999070	278	TRAFFIC LIGHT 2-SIDE PANEL ES	P2231683		292
PIG 30/ULISSE S	N733337	119	PUSH PLATE	P111677	147	SFR B	N735002	41	TRAFFIC LIGHT 2-SIDE PANEL FR	P2231684		292
PILLAR ALARM	P800102	215	Q.BQ KEY WM	P121022	38	SFR B - COMPLETA	N735002 00001	41	TRAFFIC LIGHT 2-SIDE PANEL IT	P2231680		292
PILLAR B 275/600.6C L	P970092 00001	215	Q.BQ KEY WM AV	P121023	38	SFR-L B	N735003	41	TRAFFIC LIGHT 200MM	L30186		295
PILLAR B 275/600.6C L - RAL	P970092 0101	215	Q.BQ PAD	P121025	251	SFR-L B - COMPLETA	N735003 00001	41	TRAFFIC LIGHT LED 100MM	L30198		295
PILLAR B 275/600.6C L SD	P970092 00003	215	Q.BQ TOUCH	P121024	38	SFZ	P125015	105	TRAFFIC LIGHT LED 200MM	L30197		295
PILLAR B 275/600.6C L SD - RAL	P970092 0103	215	QUADRO DETECTOR	FP208003	290	SFZ	N733121	134	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY	P22312M5		304
PILLAR B 275/600.6C LI	P970092 00002	215	QUADRO ESPAS 30 EA	P208005EA-B	337	SHEDIR B CBC 02 L01	P111515	125	MASTER			
PILLAR B 275/600.6C LI SD	P970092 00004	215	QUADRO ESPAS 30 EN	P208005EN-B	337	SHYRA CPEM	D113802 00002	274	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY	P22322M5		304
PILLAR B 275/800.10C L	P970106 00001	217	QUADRO ESPAS 30 IA	P208005IA-B	337	SHYRA CPEM 120V	D113802 00001	274	MASTER - HORIZONTAL			
PILLAR B 275/800.10C L - RAL	P970106 00101	217	QUADRO ESPAS 30 IN	P208005IN-B	337	SIBOX	N574005	287	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY	P22319M5		304
PILLAR B 275/800.10C L SD	P970106 00003	217	QUADRO VARCO	FP208002	336	SIGN WITH TRAFFIC LIGHT ENG	D113708	291	SLAVE			
PILLAR B 275/800.10C L SD - RAL	P970106 0103	217	RADIOMODEM RTX 868MHZ (SLAVE)	P800141	304	SL BAT1	P125033	278	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY	P22329M5		304
PILLAR B 275/800.10C LI	P970106 00002	217	RADIUS B LIA 230 R1	D113748 00002	259	SL BAT2	P125035	84	SLAVE - HORIZONTAL			
PILLAR B 275/800.10C LI SD	P970106 00004	217	RADIUS B LIA 230 R2	D113749 00002	259	SLV SBV TL1	N733564	159	TRAFFIC LIGHT PANEL DE	P975075		291
PILLAR B 275/800.6C L	P970093 00001	217	RADIUS B LIA 24 R1	D113748 00003	259	SLV SBV TL2	N733565	158	TRAFFIC LIGHT PANEL EN	P975074		291
PILLAR B 275/800.6C L - RAL	P970093 0101	217	RADIUS B LIA 24 R2	D113749 00003	259	SM1	P115005	109	TRAFFIC LIGHT PANEL ES	P975077		292
PILLAR B 275/800.6C L SD	P970093 00003	217	RADIUS LED AC A RO	D114094 00002	37	SM2	P115001	116	TRAFFIC LIGHT PANEL FR	P975076		292
PILLAR B 275/800.6C L SD - RAL	P970093 0103	217	RADIUS LED AC A R1	D114093 00002	37	SM5014	N999325	125	TRAFFIC LIGHT PANEL HR	P975079		304
PILLAR B 275/800.6C LI	P970093 00002	217	RADIUS LED AC A R1 120	D114093 00001	260	SM504	P130015	125	TRAFFIC LIGHT PANEL IT	P975073		291
PILLAR B 275/800.6C LI SD	P970093 00004	217	RADIUS LED BT A RO	D114094 00003	43	SM505	P130014	125	TRAFFIC LIGHT PANEL PL	P975078		292
PL LX BT	N999443	65	RADIUS LED BT A R1	D114093 00003	43	SMARTGATE SERVER	P207003	351	TRUCK HEIGHT POLE SUPPORT	L39047		295
PLE	D730178	41	RADIUS LED BT A R1 W	D114168 00003	43	SMARTGATE SYSTEM	P207001	351	TRUCK HEIGHT PEDESTAL 800MM	D413445		295
PLE ATHOS	N999724	37	RANCH B 219/500 L	P970081 00001	233	SMARTLIGHT COMMUNICATION POINT	P208006M1	350	TRWB	R920111		93
POLE SUPPORT D60 H3500	L30282	292	RANCH B 219/500 - RAL	P970081 00101	233	MASTER			TSWP 350 XL	P111568		166
POS CLIENT	FP205003	340	RANCH B 219/500 I	P970081 00003	233	SMARTLIGHT SERVER	P975091	349	TSWP XL 260 PROFILI VISTA SW 260	P111793		163
POS CLIENT SLIM	FP205007	340	RANCH B 219/500 L	P970081 00002	233	SMARTLIGHT SINGLE SPACE SENSOR RB	L35838	347	DOPPIO			
POS SERVER	FP206002	340	RANCH B 219/500 L - RAL	P970081 00102	233	SMARTLIGHT SINGLE SPACE SENSOR RG	L35837	347	TUVA	D113983		344
PPA	-	173	RANCH B 219/500 LI	P970081 00004	233	SMARTLIGHT VISUAL CONTROL	L35842	349	TUVA LITE	D114173		344
PPA TL 1600 N	P111663 00001	159	RANCH B 219/700	P970082 00001	233	SOFTWARE			TWB	P125050		93
PPA TL 1600 O	P111663 00002	159	RANCH B 219/700 - RAL	P970082 00101	233	SMARTLIGHT VMS 3D	L35841	348	TIMER	P130024		125
PPA TL 3200 N	P111664 00001	158	RANCH B 219/700 I	P970082 00003	233	SMARTLIGHT VMS 4D	L35843	348	U-BASE	P111510		256
PPA TL 3200 O	P111664 00002	158	RANCH B 219/700 L	P970082 00002	233	SOFTWARE INSTALLATION	A200001 20004	342	U-BASE 2 ANDROID	P111523_D		30
PPA TL FX	P111688	158	RANCH B 219/700 L - RAL	P970082 00102	233	SP350 SAFETY	P125016	105	U-BASE 2 PC	P111510		256
PPA TL GD	P111689	158	RANCH B 219/700 LI	P970082 00004	233	SP350 SF TRI 400	P925244 00003	105	U-BASE ANDROID	P111523		256
PPR	P111156	146	RANCH C 275/600CN	P970102 00001	231	SP350 TRI 230	P925207 00002	105	U-BASE CLOUD 10	P111718		280
PRESENCE AND SAFETY DETECTOR - LASER LOOPS	394080	295	RANCH C 275/600CN - RAL	P970102 00101	231	SP350 TRI 400	P925207 00001	105	U-Control			279
PROXIMA	P111326	277	RANCH C 275/600CN I	P970102 00003	231	SPAC	P111678	147	U-PROG	P111529		261
PROXIMA BLUE	P111465	253	RANCH C 275/600CN L	P970102 00002	231	SPC	D121611	282	U-SDK FULL 2	P111514 00002		280
PRV 20.010	P111630 00002	166	RANCH C 275/600CN L - RAL	P970102 00102	231	SPC2	D121612	282	U-SDK FULL 2	P111514 00002		280
PRV 20.020	P111631 00002	166	RANCH C 275/600CN LI	P970102 00004	231	SPC3	D121619	240	U-SDK FULL 8	P111514 00008		280
PRV 20.030	P111632 00002	166	RANCH C 275/800CN L	P970103 00002	231	SPIRA 2X1	D110926 00001	197	U-SDK FULL 8	P111514 00008		280
PRV 20.040	P111633 00002	166	RANCH C 275/800CN L - RAL	P970103 00102	231	SPL	D113050	279	U-SDK LIGHT 2	P111513 00002		280
PRV 20.060	P111633 00002	166	RANCH C 275/800CN LI	P970103 00004	231	SPOTFINDER	P111406	282	U-SDK LIGHT 2	P111513 00008		280
PRV 20.070	P111636 00002	166	RANCH D 275/800C LI	P970096 00002	246	SRV TL T	P111661	158	UHF WINDSHIELD TAG	L45029		344
PRV 20.080	P111637 00002	166	RANCH D 275/800CN L	P970104 00003	246	SRV DIN	P120032	184	UHF WINDSHIELD TAG BFT	D141860		344
PRV 20.090	P111638 00002	166	RANCH D 275/800CN L - RAL	P970104 00102	246	SSRS	D111704	279	UNIVERSAL ANPR SOFTWARE	P118004		343
PRV 20.100	P111639 00002	166	RANCH E 330/1200C	P970269 00101	248	STR	P115003	112	VEGA QUADRO QSG	D113836 00002		115
PRV 20.110	P111690 00002	167	RANCH E 330/1200C - RAL	P970269 00101	248	STOPPY ALARM	P800075	222	VENTIMIGLIA NS	P111401 00001		37
PRV 20.A16	P111645	167	RANCH E 330/1200C I	P970269 00002	248	STOPPY B 115/500	P970088 00001	227	VIO-DT1	P111654		147
PRV 20.A17	P111646	167	RANCH E 330/1200C L	P970269 00002	248	STOPPY B 115/500 - RAL	P970088 00101	227	VIO-DT2	P111653		147
PRV 20.A18	P111647	167	RANCH E 330/1200C LI	P970269 00003	248	STOPPY B 200/700	P970089 00001	227	VIO-M	P111662		147
PRV 20.A21	P111650	167	RANCH R 0115-625 DISS. RIBALT.	P970101	234	STOPPY B 200/700 - RAL	P970089 00101	227	VIO-ST	P111656		147
PRV 20.A22	P111651	167	RAU	P111449	279	STOPPY H O	P970045 00007	225	VIRGO BAT	P125008		49
PRV 20.A23	P111710	167	RCA	N733421	49	STOPPY H O LI	P970045 00008	225	VIRGO SMART BT A 20	P930129 00002		49
PRV 20.A24	P111711	167	RE	N733422	49	STOPPY H O RAL	P970045 00107	225	VIRGO SMART BT A 20 KIT INT	R930150 00001		49
PRV 20G.19	P111648	167	RECEIPT PRINTER KIT	D114077	340	STOPPY MB8 KIT 219/500.C 230 C	R950008 00002	221	VIRGO SMART BT A 20 SLAVE	P930130 00002		49
PRV 20G.20	P111649	167	RECEIPT PRINTER ROLL PAPER	P970048	340	STOPPY MB8 KIT 219/500.C 230 C - RAL	R950008 00102	221	VISTA SEL	D113722		146
PRV 40.010	P111600 00002	169	REEL EASY B10 230V W45	P910052 00001	125	STOPPY MB8 KIT 219/500.C 230 C L	R950008 00003	221	VISTA SEL SW	D113789		163
PRV 40.020	P111601 00002	169	REEL EASY B20 230V W45	P910052 00002	125	STOPPY MB8 KIT 219/500.C 230 L C - RAL	R950008 00103	221	VISTA SL E	-		151
PRV 40.030	P111602 00002	169	REEL EASY B30 230V W45	P910052 00003	125	STOPPY MB8 KIT 219/500.C 230 LI C	R950008 00004	221	VISTA SL	-		145
PRV 40.040	P111603 00002	169	REEL EASY B50 230V W45	P910052 00004	125	STOPPY MB8 KIT 219/700.C 230 C - RAL	R950009 00102	221	VISTA SLE	P960633 00002		154
PRV 40.050	P111604 00002	169	RELETEMP	D121767	290	STOPPY MB8 KIT 219/700.C 230 C L	R950009 00003	221	VISTA SW 260 MXL	P960666 00002		163
PRV 40.060	P111605 00002	170	REMOTE CONTROL	P111405	282	STOPPY MB8 KIT 219/700.C 230 L C - RAL	R950009 00103	221	VISTA SW 260 SXL	P960667 00002		163
PRV 40.070	P111606 00002	170	RFID ISOCARD DESK READER 125KHZ	D113984	341	STOPPY MB8 KIT 219/700.C 230 LI C	R950009 00004	221	VISTA SW 350 MXL PORTA BATTENTE	P960578 00002		165
PRV 40.080 CORNICE ABBATTIMENTO L=6,82	P111607 00002	147	RFID PROXIMITY CARD 125KHZ	D110919	293	STOPPY O	P970034 00002	225	SENZA MOLA			
PRV 40.090	P111608 00002	170	RIGEL 6 110-120V 50/60HZ	D113833 00001	273	STOPPY O RAL	P970034 00102	225	VISTA SW 350 SXL PORTA BATTENTE	P960577 00002		165
PRV 40.110	P111609 00002	170	RIGEL 6 220-230V 50/60HZ	D113833 00002	41	STR	N190106	270	VISTA TL	-		157
PRV 40.120 MONTANTE ABBATTIMENTO L=5.1	P111610 00002	147	RIP	P111325	282	SUB BT	P930123 00001	75	WIND RMB 130B 200-230	P910041 00002		129
PRV 40.130	P111611 00002	170	RME 1 BT	P111274	201	SUB DX	P930026 00001	77	WIND RMB 130B 200-230 EF	P910042 00002		129
PRV 40.140	P111612 00002	170	RME 2	P111001 00003	197	SUB E DX	P930009 00004	77	WIND RMB 170B 200-230	P910043 00002		129
PRV 40.150	P111613 00002	170	ROLL THERMAL PAPER	D111305	280	SUB E SX	P930009 00005	77	WIND RMB 170B 200-230 EF	P910044 00002		129
PRV 40.160	P111614 00002	170	ROLL THERMAL PAPER HUB	P800044	293	SUB EG DX	P930011 00005	78	WIND RMB 350B 200-230 EF	P910046 00002		129
PRV 40.170	P111614 00002	170	ROLL THERMAL PAPER SUPPORT PIN	D576216	295	SUB EG SX	P930011 00006	78	WIND RMC 235B 240-230	P910038 00002		129
PRV 40.310	P111615 00002	170	ROUTER 4G LTE DUAL SIM EXT.TEMP.	D576215	295	SUB EL DX	P930014 00005	77				

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
-	PPA	173	D113807 00002	CLONIX 2E AC U-LINK 230	253	N733036	MOX	282	P111056	CMS000	285
-	VISTA SL E	151	D113808 00003	CLONIX UNI AC U-LINK 230V	253	N733038	CA1	121	P111156	PPR	146
-	VISTA SL	145	D113811 00003	ALENA SW2 120V	37	N733040	CA2	121	P111158	PGI	146
-	VISTA TL	157	D113811 00004	ALENA SW2	37	N733041	CA2C	121	P111182	ANEM	125
130186	TRAFFIC LIGHT 200MM	295	D113812 00002	PERSEO CBE 230.P SD	215	N733042	CAS1	121	P111183	CREP	125
130197	TRAFFIC LIGHT LED 200MM	295	D113824	MIME AC	125	N733048	CAS2	121	P111272	CELLULA 50	284
130198	TRAFFIC LIGHT LED 100MM	295	D113828	XPASS B 330/1200 HYDR. UNIT	243	N733066 00001	CPS DX	79	P111274	RME 1 BT	201
130282	POLE SUPPORT D60 H3500	292	D113829	XPASS B 330/1200 HYDR. UNIT + EFO	243	N733066 00002	CPS SX	79	P111325	RIP	282
135104	CIT-BUS EXTERNAL MODULE	292	D113831	MIME TX	125	N733066 00003	FCS DX	79	P111326	PROXIMA	277
135138	CASH DRAWER	340	D113833 00001	RIGEL 6 110-120V 50/60HZ	273	N733066 00004	FCS SX	79	P111376	SCS 1	125
135656	CIT-BUS DIGITAL INTERCOM 20P	292	D113833 00002	RIGEL 6 220-230V 50/60HZ	41	N733069	SET/5	109	P111377	SCS 1 MA	279
135810	CONTROL DESK IP	305	D113836 00002	VEGA QUADRO QSG	115	N733074	CAS1L	121	P111388	SECURBASE LIGHT USB	251
135837	SMARTLIGHT SINGLE SPACE SENSOR RG	347	D113967	CIT-BUS BARRIER OPENING RELAY	292	N733075	CAS2L	121	P111389	SECURBASE PLUS USB	251
135838	SMARTLIGHT SINGLE SPACE SENSOR RB	347	D113983	TUVA	344	N733092	CPS G	79	P111391	CELLULA RFL	284
135841	SMARTLIGHT VMS 3D	348	D113984	RFID ISOCARD DESK READER 125KHZ	347	N733112	CBA	116	P111399	IT23	279
135842	SMARTLIGHT VISUAL CONTROL	349	D113999	LOOP DETECTOR LITE	295	N733113	CBASL	116	P111400	FLC 8K2	279
135843	SMARTLIGHT VMS 4D	348	D114006	CIT-IP EXTERNAL MODULE 1P	305	N733114	CBAC	116	P111401 00001	VENTIMIGLIA NS	37
135993	CIT-BUS DIGITAL INTERCOM 10P	292	D114024	ROUTER 4G LTE DUAL SIM EXT.TEMP.	339	N733119	CBAS	116	P111405	REMOTE CONTROL	282
139047	TRAFFIC LIGHT POLE SUPPORT	295	D114077	RECEIPT PRINTER KIT	340	N733120	CTA	116	P111406	SPOTFINDER	282
139088	NEA PLUS HD	345	D114092 00001	ALCOR AC A 120V	274	N733121	SFZ	134	P111407	FALCON	119
139099	NEA PLUS HD COLOR	345	D114092 00002	ALCOR AC A	67	N733129	CTA2	116	P111408	SCS WIE	265
145029	UHF WINDSHIELD TAG	344	D114093 00001	RADIUS LED AC A R1 120	260	N733148	COR 30	119	P111409	S RFLP	284
21188	CIT-BUS POWER SUPPLY BOX & TRANSFERING CALLS	292	D114093 00002	RADIUS LED AC A R1	37	N733149	COR 40	119	P111445	SBV	146
21261	KIT STATIONS ANCHOR BASE	295	D114093 00003	RADIUS LED BT A R1	43	N733189	SC1	286	P111449	RAU	279
360558	FANFOLD GAP TICKETS NEUTRAL	292	D114094 00002	RADIUS LED AC A RO	37	N733221	CBAC-G	116	P111450 00002	BAR C 2	285
394073	LASER SAFATEY DETECTOR	295	D114094 00003	RADIUS LED BT A RO	43	N733288	BLP	116	P111450 00004	BAR C 4	285
394075	LASER DETECTOR REMOTE CONTROL	295	D114095	XPASS B 330/1200 HYDR. UNIT 60HZ	243	N733299	CTBP	116	P111450 00006	BAR C 6	285
394080	PRESENCE AND SAFETY DETECTOR - LASER LOOPS	295	D114096	XPASS B 330/1200 HYDR. UNIT + EFO 60HZ	243	N733304	E180	59	P111451 00002	BAR C BA 2	270
999ASK999	CUSTOMIZED FANFOLD GAP TICKET	292	D114098	CONTROL DESK IP TOUCH	305	N733336	PIG 14/ULISSE S	119	P111451 00004	BAR C BA 4	286
A200001 20004	SOFTWARE INSTALLATION	342	D114168 00003	RADIUS LED BT A R1 W	43	N733337	PIG 30/ULISSE S	119	P111451 00006	BAR C BA 6	286
D110912	COMPASS - CUSTOM ISOCARD	251	D114173	TUVA LITE	344	N733338	PIG 12/ULISSE S	119	P111465	PROXIMA BLUE	253
D110914	COMPASS - RING	251	D114176	KIT NEA LITE POLE MOUNTING	345	N733339	PIG 18/ULISSE S	119	P111466	B EBA INPUT/OUTPUT (IO)	279
D110919	RFID PROXIMITY CARD 125KHZ	293	D112101	LCM	282	N733391	PBE	112	P111467	B EBA WIE DRIVER	265
D110926 00001	SPIRA 2X1	197	D112106	ECB DX	286	N733392	SCC	59	P111468	B EBA RS 485 LINK	87
D110945	MAGNETIC LOOP 6MT	295	D112107	ECB SX	286	N733397	BTFC 120 E	59	P111469	B EBA BLUE GATEWAY	279
D111013	ME	37	D112108	ECB VERTICALE	37	N733398	BTFC 120 E INOX	59	P111494	B EBA WI-FI GATEWAY	279
D111050	RE	280	D1121458	TRAFFIC LIGHT 100MM	295	N733408	ERV	146	P111503	BBV SCL TL	158
D111305	RO 2	280	D1121611	SPC	282	N733421	RCA	49	P111510	U-BASE	256
D111456	PASSY TRANSPONDER	252	D1121612	SPC2	282	N733422	RCAL	49	P111510	U-BASE 2 PC	256
D111457 00001	PASSY ANTENNA OMNI	252	D1121619	SPC3	240	N733424	ARB ORO - LUX	67	P111513 00002	U-SDK LIGHT 2	280
D111457 00002	PASSY ANTENNA MONO	252	D1121624	PEGASO UP CONTROL 5	137	N733426	ARB LUX	65	P111513 00008	U-SDK LIGHT 8	280
D111501	ME110	279	D1121625	PEGASO UP CONTROL 10	137	N733427	ARB PHOBOS N	41	P111514 00002	U-SDK FULL 2	280
D111662	CLONIX 2	105	D1121631	PEGASO CABLE MONO	133	N733427 00001	ARB PHOBOS 25	41	P111514 00002	U-SDK FULL 8	280
D111664	CLONIX 2 2048	105	D1121632	PEGASO CABLE TRI	133	N733428	ARB PHOBOS N L	41	P111514 00008	U-SDK FULL 8	280
D111704	SSRS	279	D1121674	PEGASO CABLE ENC 5	133	N733428 00001	ARB PHOBOS 40	41	P111515	SHEDIR B CBC 02 L01	125
D111713 00001	MOP	280	D1121675	PEGASO CABLE ENC 10	133	N733449	PEGASO ADA	134	P111523	U-BASE ANDROID	256
D111761	ME BT	279	D1121679	PEGASO CABLE AUTO 5N	133	N733474	ARB LUX G	65	P111523 D	U-BASE 2 ANDROID	30
D111888	KLEIO B RCA02 R1	261	D1121680	PEGASO CABLE AUTO 10N	133	N733474 00001	ARB GIUNO	65	P111526	DESME A15	268
D111890	KLEIO B RCA04 R1	261	D1121711	HEATER UNIT	295	N733480 00001	FCS BT	75	P111528	THEA A15 0.PF	266
D111904	MITTO B RC802 R1	37	D1121767	RELE TEMP	290	N733502	SCP	59	P111529	U-PROG	261
D111905	MITTO B RC802 R2 REPLAY	263	D141784	MAGNETIC LOOP 8MT	295	N733564	SLV SBV TL1	159	P111530	B EBA RS 485 GATEWAY	30
D111906	MITTO B RC804 R1	125	D141860	UHF WINDSHIELD TAG BFT	344	N733565	SLV SBV TL2	158	P111531	B EBA BLUE ENTRY ANDROID 4	256
D111907	MITTO B RC804 R2 REPLAY	263	D191099	CINGHIA DENTATA GOMMA RPP8-15	148	N733589	PRV 40.A53 CERNIERE PER SASA DX	147	P111536	AKTA A30	270
D111945	MITTO B RC804 R1 VINEYARD	257	D191145	MIFARE PROXIMITY CARD 13.56MHZ	305	N733590	PRV 40.A54 CERNIERE PER SASA SX	147	P111537	ERIS A30	270
D111946	MITTO B RC804 R1 SUNRISE	257	D191186	FANFOLD GAP TICKETS BFT	292	N733646	ARB KUSTOS FRONT	45	P111538	ACV30	270
D111947	MITTO B RC804 R1 CLEAR ICE	125	D221073	CP	84	N733951	ECBFT	59	P111563 00001	EXT ASW 350 XL 30	165
D112048	COURTESY DISPLAY	340	D221074	TB	286	N733955	SAFM	119	P111563 00002	EXT ASW 350 XL 50	165
D112063	CIT-BUS MODULE	292	D221573	CCI	284	N733956	SAFM L	119	P111563 00003	EXT ASW 350 XL 70	165
D112074	IP MODULE	305	D223066	CPEM	278	N734921	LBA	57	P111563 00004	EXT ASW 350 XL 90	165
D112086	MIFARE ISOCARD DESK READER 13.56MHZ	341	D223072	CPEL	278	N735002	SFR B	41	P111564	BBV SW 350 MXL	165
D112115	EXTENDED TEMPERATURE 8P SWITCH	339	D223076	CPES	278	N735002 00001	SFR B - COMPLETEA	41	P111565	ASW 350 XL RIG	165
D112196	MITTO B RC802 2CH CUSTOMIZED	263	D223127	BC BONUS SCANNER SUPPORT	340	N735003	SFR-L B	41	P111566	ASW 350 XL ART	165
D112197	MITTO B RC804 4CH CUSTOMIZED	263	D412377	BCP	116	N735003 00001	SFR-L B - COMPLETEA	41	P111567	ASW 350 XL ARTL	166
D112198	MITTO B RC802 3CH REPLAY CUSTOMIZED	263	D413445	TRUCK HEIGHT PEDESTAL 800MM	295	N735057	LS12	57	P111568	TSWP 350 XL	166
D112199	MITTO B RC804 4CH REPLAY CUSTOMIZED	263	D413530	BUS HEIGHT PEDESTAL 600MM	295	N735058	LS18	57	P111600 00002	PRV 40.010	169
D112200	MITTO B RC804 SUNRISE CUSTOMIZED	263	D531097 00001	CRC SPARE KEY	287	N998600	AMV	49	P111601 00002	PRV 40.020	169
D112201	MITTO B RC804 CLEAR ICE CUSTOMIZED	263	D571053	CVZ	84	N998611	MITTO B RC802 R3 CUSTOMIZED	263	P111602 00002	PRV 40.030	169
D112202	MITTO B RC804 VINEYARD CUSTOMIZED	263	D571054	CFZ	93	N998612	MITTO B RC804 R3 CUSTOMIZED	263	P111603 00002	PRV 40.040	169
D113050	SPL	279	D571491	CFZ6	105	N999025	TA	286	P111604 00002	PRV 40.050	169
D113256	COMPASS 485	250	D573003	SB	196	N999060	APT	112	P111605 00002	PRV 40.060	170
D113631	AEL 30.8	259	D576215	ROLL THERMAL PAPER SUPPORT PIN	295	N999060 00001	APT S	112	P111606 00002	PRV 40.070	170
D113632	AEL 433	280	D576216	ROLL THERMAL PAPER HUB	295	N999070	SFO	278	P111607 00002	PRV 40.080 CORNICE ABBATTIMENTO L=6.82	147
D113653 00007	PERSEO O	225	D610180	CLS	37	N999131	NAT	67	P111608 00002	PRV 40.090	170
D113670 00002	RTD 2048	280	D610256	CLS/82	79	N999151	SFO	84	P111609 00002	PRV 40.110	170
D113671 00002	RTD CA 2048	251	D730088	FAF	196	N999156	SFI	93	P111610 00002	PRV 40.120 MONTANTE ABBATTIMENTO L=5.1	147
D113672 00005	LIBRA C MA	272	D730178	PLE	41	N999320	CVZ-S	84	P111611 00002	PRV 40.130	170
D113674 00001	CLONIX 2E	253	D730251	CBO	200	N999325	SM5014	125	P111612 00002	PRV 40.140	170
D113674 00003	CLONIX 2E 2048	280	D730964	BM	196	N999369	CP SD	278	P111612 00002	PRV 40.150	170
D113691	COMPASS SC USB	250	D940007	GAM	200	N999370	TA BIN	112	P111613 00002	PRV 40.160	170
D113704	COMPASS SLIM	250	D940008	GA AQ AT	196	N999404	CABLE N BT	45	P111614 00002	PRV 40.170	170
D113705	ACOUSTIC DETECTOR	215	D940009	GAMA AQ AT	197	N999417	CABLE LX BT	65	P111615 00002	PRV 40.310	170
D113708	SIGN WITH TRAFFIC LIGHT ENG	291	FP205003	POS CLIENT	340	N999443	PL LX BT	65	P111616 00002	PRV 40.320	171
D113715 00002	LIBRA C LX QSG2	272	FP205005	BC BONUS SLAVE	340	N999465	DCW BAT	270	P111617 00002	PRV 40.330	171
D113716 00002	ELBA	125	FP205007	POS CLIENT SLIM	340	N999468	PEG CCP	133	P111618	PRV BR.47	158
D113717 00002	ELBA BU	125	FP205010	ESPAS 20-T	300	N999471	ECOSOL PANEL	255	P111618 00001	PRV BR.48	158
D113718 00002	CLONIX 4 RTE	261	FP205015	BC BONUS MASTER	340	N999473	ECOSOL POST BR	255	P111618 00002	PRV BR.49	158
D113722	VISTA SEL	146	FP206001	PARKING SERVER	339	N999475	ECOSOL SECURITY	255	P111619	PRV GK.24	169
D113727	TLB	279	FP206002	POS SERVER	340	N999476	ECOSOL CABLE	255	P111620	PRV BR.26	168
D113731	ECOSOL BOX	255	FP206003	PARKING SERVER EXT TEMP	339	N999477	ECOSOL CHARGER	255	P111621	PRV BR.27	168
D113732	ECOSOL DOUBLE	255	FP208002	AURA ACCESS POINT PANEL	336	N999507	OMEGA AQ	200	P111622	PRV GK.28	169
D113742 00002	LIBRA CB HIDE	55	FP208003	QUADRO VARCO	336	N999509	OMEGA AQ S/STEEL	204	P111623	PRV GK.02	168
D113745 00001	THALIA 120V	271	FP208005	QUADRO DETECTOR	290	N999510	X EPI	129	P111624	PRV GK.03	168
D113745 00002	THALIA	43	FP510001	CIT-BUS POWER SUPPLY BOX	292	N999521	CLIP1 B 00 R03	261	P111625	PRV GK.06	168
D113747 00001	THALIA P 120V	271	N190039	CSP 10	285	N999522	CLIP B 00 R04	257	P111626	PRV GK.07	168
D113747 00002	THALIA P	43	N190040	C							

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
P111649	PRV 20GD.20	167	P118002	DATABASE SOFTWARE	343	P130001	BLOCCANTI 40	125	P214E300PM081	ESPAS 30-P CCN CIT-BUS MXN	317
P111650	PRV 20.A21	167	P118003	NEA ANPR SOFTWARE	343	P130002	CAL 60/100	125	P214E300ZL001	ESPAS 30-P CIT-BUS PLN	317
P111651	PRV 20.A22	167	P118004	UNIVERSAL ANPR SOFTWARE	343	P130004	CAL 60/30	125	P214E301AD001	ESPAS 30-P AUD	316
P111652	HR100-CT	282	P118005	ADD ON SERVICES	343	P130008	RUL 60/6	125	P214E301AD351	ESPAS 30-P SCC-AUS	318
P111653	VIO-DT2	147	P120001 00001	KIT LIGHT	200	P130012	RUL 60/3	125	P214E301DM001	ESPAS 30-P AED	316
P111654	VIO-DT1	147	P120001 00002	KIT LIGHT1	200	P130013	BLOCCANTI 50	125	P214E301EU001	ESPAS 30-P EUR	316
P111655	IXIO-DT1	147	P120005 00001	MCL LIGHT KIT	196	P130014	SMS05	125	P214E301EU081	ESPAS 30-P CCN EUR	317
P111656	VIO-ST	147	P120006	MCL LAMPO KIT	196	P130015	SMS04	125	P214E301EU091	ESPAS 30-P CC-ITA EUR	317
P111657 00001	4SAFE IR SAFETY SENSOR MONIT. SW/1MOD/700	163	P120009	SCHEDA MCL KIT	196	P130024	TIMER	125	P214E301EU0F1	ESPAS 30-P CC-FRA EUR	317
P111657 00002	4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/700	163	P120017	BAT KIT 1	278	P135005	LRV	51	P214E301EU101	ESPAS 30-P SM EUR	318
P111657 00003	4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/900	163	P120018	THERMO	197	P2010041E	ESPAS TICKET PRINTER	340	P214E301EU201	ESPAS 30-P SB EUR	318
P111660	PRV TL T	158	P120023	FAF 2	196	P2010042E	ESPAS OFFLINE DISCOUNT PRINTER	292	P214E301EU381	ESPAS 30-P SCN	318
P111661	SPRV TL T	158	P120026	ZFAF2	196	P207001	SMARTGATE SYSTEM	351	P214E301EU391	ESPAS 30-P SCC-ITA	318
P111662	VIO-M	147	P120028 00001	PCA N3	196	P207003	SMARTGATE SERVER	351	P214E301EU3F1	ESPAS 30-P SCC-FRA	318
P111663 00001	PPA TL 1600 N	159	P120028 00002	PCA N4	196	P208005EA-B	QUADRO ESPAS 30 EA	337	P214E301GB001	ESPAS 30-P GBP	316
P111663 00002	PPA TL 1600 O	159	P120028 00003	PCA N5	196	P208005EN-B	QUADRO ESPAS 30 EN	337	P214E301GB0K1	ESPAS 30-P CC-UK GBP	317
P111664 00001	PPA TL 3200 N	158	P120028 00004	PCA N6	196	P208005IA-B	QUADRO ESPAS 30 IA	337	P214E301GB3K1	ESPAS 30-P SCC-UK	316
P111664 00002	PPA TL 3200 O	158	P120032	SRV DIN	184	P208005IN-B	QUADRO ESPAS 30 IN	337	P214E301MY001	ESPAS 30-P MYR	318
P111676	MAGIC SWITCH	147	P120033	FCS MAXIMA 5	189	P208006M1	SMARTLIGHT COMMUNICATION POINT MASTER	350	P214E301PC001	ESPAS 30-P COP	316
P111677	PUSH PLATE	147	P120034	FCS MAXIMA 6-8	192	P20910000	ESPAS 10 COIN	290	P214E301ZL001	ESPAS 30-P PLN	316
P111678	SPAC	147	P120035	FCS MU68	184	P2092EU10	ESPAS 10 MONEY BOX 1EUR	290	P214E301ZL081	ESPAS 30-P CCN PLN	317
P111680	WMP SL SLC	146	P120041	ATML60	184	P2092EU20	ESPAS 10 MONEY BOX 2EUR	290	P214E301ZL181	ESPAS 30-P SM CCN PLN	318
P111681	PRV AA SL	146	P120042	ATML EXT2	184	P2093EU00	ESPAS 10 MONEY BOX PLUS EUR	290	P214E305AD051	ESPAS 30-P CC-AUS CIT-IP AUD	317
P111683	KIT FPA1	147	P120043 00001	OMEGA AT	191	P2093ZL00	ESPAS 10 MONEY BOX PLUS PLN	290	P214E305EU001	ESPAS 30-P CIT-IP EUR	317
P111685	KIT FPA2	147	P120044 00001	OMEGA ATML	192	P211C2011	ESPAS 20-I CIR	294	P214E305EU091	ESPAS 30-P CC-ITA CIT-IP EUR	317
P111687	KIT FPA MA-12	147	P120045 00001	OMEGA FRC ATML	192	P211C20U11	ESPAS 20-I CIR	296	P214E305GB0K1	ESPAS 30-P CC-UK CIT-IP GBP	317
P111688	PPA TL FX	158	P120046 00001	OMEGA ATML U	184	P211E20A10	ESPAS 20-SA CIT-BUS	298	P214E305EU091	ESPAS 30-P CC-ITA MIFARE CIT-IP EUR	317
P111689	PPA TL GD	158	P120047 00001	OMEGA FRC ATML U	184	P211E20A11	ESPAS 20-SA	298	P214E000EU001	ESPAS 30-P SCN CIT-BUS EUR	318
P111690 00002	PRV 20.110	167	P120048 00001	OMEGA ATM FRA	192	P211E20101	ESPAS 20-I CIT-BUS	294	P214E000KN001	ESPAS 30-P SCN CIT-BUS HRK	318
P111691 00002	PRV 40.170	170	P120049	RST ATM	184	P211E201011	ESPAS 20-I	294	P214E000ZL001	ESPAS 30-P SCN CIT-BUS NZD	318
P111696	PRV 40.A39	171	P120050	GA ATM	184	P211E201011	ESPAS 20-I	294	P214E000EU001	ESPAS 30-P SCN EUR	318
P111697	PRV 40.A40	171	P120053 00001	PCA ATM 3	184	P211E201011	ESPAS 20-U CIT-BUS	296	P214E000EU101	ESPAS 30-P SCN EUR	318
P111698	PRV 40.A38	171	P120053 00002	PCA ATM 5	184	P211E201011	ESPAS 20-U	296	P214E000KN001	ESPAS 30-P SCN HRK	317
P111699	PRV 40.A49	171	P120053 00003	PCA ATM 8	184	P211E2N110	ESPAS 20-I SCN	294	P214E000KN101	ESPAS 30-P SCN SM HRK	318
P111700	PRV 40.A50	171	P120056	MLR2.5	188	P211E2R101	ESPAS 20-U PLUS CIT-BUS	296	P214E000ZL001	ESPAS 30-P SCN SM PLN	318
P111701	PRV 40.A52	171	P120057	MLB3	188	P211E2R1011	ESPAS 20-U PLUS	296	P22312M5	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER	304
P111702	PRV 40.A55	172	P120058	MLV5	188	P211E30A10	ESPAS 30-SA CIT-BUS	314	P22316B0	TRAFFIC LIGHT 2-SIDE PANEL IT	292
P111703	PRV 40.A72	172	P120059	MLC7.5	183	P211E30A11	ESPAS 30-SA	314	P22316B1	TRAFFIC LIGHT 2-SIDE PANEL DE	292
P111704	PRV 40.A73	172	P120060	MLC9	183	P211E30A15	ESPAS 30-SA CIT-IP	314	P22316B2	TRAFFIC LIGHT 2-SIDE PANEL EN	292
P111705	PRV 40.A75	172	P120061	MLC9.5	183	P211E30A16	ESPAS 30-SA VCIT-IP	314	P22316B3	TRAFFIC LIGHT 2-SIDE PANEL ES	292
P111706	PRV 40.A76	172	P120062 00001	OMEGA ATM U35	188	P211E30F11	ESPAS 30-U CC-FRA	312	P22316B4	TRAFFIC LIGHT 2-SIDE PANEL FR	292
P111707	PRV 40.A77	172	P120063 00001	ATM30 180° RG	188	P211E30I01	ESPAS 30-I CIT-BUS	306	P22319M5	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE	304
P111708	PRV 40.A79	172	P120064 00001	ATM50 180° RG	188	P211E30I11	ESPAS 30-I	306	P22322M5	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER - HORIZONTAL	304
P111709	PRV 40.A80	172	P120071	OMEGA ATM FRA U35	188	P211E30I11	ESPAS 30-I CIT-IP	312	P22329M5	TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE - HORIZONTAL	304
P111710	PRV 20.A23	167	P120072	KIT ML MCL40	196	P211E30K11	ESPAS 30-U CC-UK	312	P800015	TOKENS	290
P111711	PRV 20.A24	167	P120075	GIOTTO M BG BAT KIT	201	P211E30P11	ESPAS 30-U CC-ITA	312	P800040	TPF	215
P111712	PRV GK.09	168	P120076	TP MAXIMA ULTRA	184	P211E30P15	ESPAS 30-U CIT-ITA CIT-IP	312	P800044	ROLL THERMAL PAPER	292
P111714	THEA A15 Q.PF UNI	266	P120077 00001	KIT ATM LIGHT 3 R/G 2W	183	P211E30U10	ESPAS 30-U CIT-BUS	309	P800075	STOPPY ALARM	223
P111717	PRV AA TL	158	P120077 00002	KIT ATM LIGHT 5 R/G 2W	183	P211E30U11	ESPAS 30-U	309	P800102	PILLAR ALARM	215
P111718	U-BASE CLOUD 10	280	P120077 00003	KIT ATM LIGHT 8 R/G 2W	183	P211E30U15	ESPAS 30-U CIT-IP	309	P800103	XPASS 800 ALARM	240
P111720 00002	SASA 1AM SIST SFOND.1 ANTA MOBILE	146	P120078	IS ATML	184	P211E30U16	ESPAS 30-U VCIT-IP	310	P800104	ALLU	229
P111721 00002	SASA 1AMF SIST SFOND. ANTE 1 MOB + 1 FX	146	P120079	EBB KIT ATML	181	P211E30MA10	ESPAS 30-SA MIFARE CIT-BUS	314	P800108	TCAP	215
P111722 00002	SASA 2AM SIST SFOND. 2 ANTE MOB	146	P120080	FAF UNI R	181	P211E30MA11	ESPAS 30-SA MIFARE	314	P800108 00102	TCAP - RAL	215
P111723 00002	SASA 2AMF SIST SFOND. ANTE 2 MOB + 2 FX	146	P120081	MLC11	183	P211E30MA15	ESPAS 30-SA MIFARE CIT-IP	314	P800109	FLANGE RANCH C	247
P111724 00002	SASA BRACKETS FOR LEAF BREAKAGE DETECTION PHOTOC.	147	P120083	ALLU2 MAXIMA	191	P211E30MI10	ESPAS 30-I MIFARE CIT-BUS	306	P800110	FLANGE RANCH D	231
P111725 00002	SASA PRA 2,5 PROF.PROT.ANTA FX/ MOB 2.5M	147	P120084 00000	OMEGA P5 MAXIMA U36	180	P211E30MI11	ESPAS 30-I MIFARE	306	P800111	MANUAL PUMP 2LT	239
P111726 00002	SASA PRA 5 PROF. PROTEZ.ANTA FX/ MOB. 5M	147	P120085	BTM-SKIRT	180	P211E30MI15	ESPAS 30-I MIFARE CIT-IP	306	P800112	TAP FOR MANUAL PUMP	240
P111748	B EBA BLUE ENTRY IOS LE 16	256	P120086	FULL-SKIRT	180	P211E30MU10	ESPAS 30-U MIFARE CIT-BUS	309	P800114	BOLLARD CABLE EXT25	215
P111748 00001	B EBA BLUE ENTRY IOS LE 8	256	P120087 00001	BOOM PS30	180	P211E30MU11	ESPAS 30-U MIFARE	309	P800115	BOLLARD CABLE EXT50	215
P111748 00002	B EBA BLUE ENTRY IOS LE 4	256	P120087 00002	BOOM PS40	180	P211E30MU15	ESPAS 30-U MIFARE CIT-IP	314	P800116	TOTEM UNIT	215
P111749	EXPANSION KIT MODULO VISTA FOR 2 LEAVES	148	P120087 00003	BOOM PS50	180	P211E30NA11	ESPAS 30-SA SCN	309	P800116 00102	TOTEM UNIT - RAL	215
P111751	OA-AXIS II	147	P120087 00004	BOOM PS60	180	P211E30NA15	ESPAS 30-SA SCN CIT-BUS	307	P800117	TLIGHTS	215
P111753	OA-AXIST	147	P120088	DIMA PRO36	180	P211E30N11	ESPAS 30-I SCN	306	P800117 00102	TLIGHTS - RAL	215
P111754	OA-203C	147	P120089 10001	LIGHT PS 30-B	181	P211E30N15	ESPAS 30-I SCN CIT IP	306	P800119	FLANGE RANCH E	249
P111755	OA-PRESENCE TN	147	P120089 10002	LIGHT PS 40-B	181	P211E30R10	ESPAS 30-U PLUS CIT-BUS	310	P800128	ESPAS 10 PROGRAMMER KIT	290
P111756	OA-EDGE T 340 1M	163	P120089 10003	LIGHT PS 50-B	181	P211E30R11	ESPAS 30-U PLUS	310	P800132	485-TC/PIF CONVERTER KIT	308
P111757	OA-EDGE T 700 1M	163	P120089 10004	LIGHT PS 60-B	181	P211E30U15	ESPAS 30-U PLUS CIT-IP	310	P800136	BC BONUS LAM	340
P111758	OA-EDGE T 1200 2M	163	P120091	HYPHEN PS	180	P211E30U11	ESPAS 30-U CIT-IP	310	P800137	KIT INTERLOCK FOR PARKING	308
P111759	OT 3	147	P120092	KIT ART90 PS	180	P211E30U15	ESPAS 30-I DA CIT-IP	307	P800138	KIT DENEB TO DENEB	307
P111768	BBV BATT MODULO VISTA SL	146	P120092 00001	ART90 BOOM PS30	180	P211E30H11	ESPAS 30-I DA CIT-IP	310	P800139	KIT PARKING SERVER	342
P111775	TFS	49	P120092 00002	ART90 BOOM PS30 R/G	180	P211E30H10	ESPAS 30-U DA CIT-BUS	310	P800140	KIT POS CLIENT	342
P111782	COMPACTA A20-180	38	P120092 00003	ART90 BOOM PS50 R/G	180	P211E30H11	ESPAS 30-U DA	310	P800141	RADIOMODEM RTX 868MHZ (SLAVE)	304
P111786	LOOP DETECTOR PRO	240	P120093	ADI-FOOT	180	P211E30H15	ESPAS 30-I DA SCN CIT-BUS	307	P800142	COPPIA RADIOMODEM RTX 868MHZ (MASTER)	304
P111790	ASW 260 XL RIG	163	P120094 00000	OMEGA FRA P5 MAXIMA U36	180	P211E30I11	ESPAS 30-I DA PLUS CIT-BUS	310	P903008	CSC SO	282
P111791	ASW 260 XL ART	163	P120095	BRACKET SKIRT	180	P211E30I15	ESPAS 30-I DA PLUS CIT-IP	310	P903013	CC RFL	284
P111792	EXT ASW 260 XL+20	163	P120102 00002	ATM30	189	P211E30J11	ESPAS 30-I DA PLUS CIT-IP	310	P903014	CM RFL	284
P111793	TSWP XL 260 PROFILI VISTA SW 260 DOPPIO	163	P120102 00003	ATM40	189	P211E30J15	ESPAS 30-I DA PLUS CIT-IP	310	P903020	APL	266
P111794	ASW 260 XL ARTL BRAC.ARTIC. SPINGERE LUNGO SW 260	163	P120102 00004	ATM50	189	P211E30K11	ESPAS 30-I DA PLUS CIT-IP	310	P903022	PHP BI	266
P111795	BBV SW 260	163	P120109 00001	ATM30 90°	188	P211E30K15	ESPAS 30-I DA PLUS CIT-IP	310	P903023	PHP BA1	266
P111796	EXT ASW 260 XL 70	163	P120109 00002	ATM30 90°	188	P211E30L11	ESPAS 30-I DA PLUS CIT-IP	310	P903024	ACV20	269
P111797	EXT ASW 260 XL 90	163	P120110 00001	ATM30 180°	188	P211E30L15	ESPAS 30-I DA PLUS CIT-IP	310	P903025	PHP ADA	270
P115001	SM2	116	P120110 00002	ATM50 180°	188	P211E30M11	ESPAS 30-I DA PLUS CIT-IP	310	P903026	PHP3	265
P115003	ST	112	P120111 00001	ATM25	189	P211E30M15	ESPAS 30-I DA PLUS CIT-IP	310	P903028	PHP A	38
P115005	SM1	109	P121022	Q80 KEY WM	38	P211E30N11	ESPAS 30-I DA PLUS CIT-IP	310	P903029	PHP2 A	266
P115015 00001	BIN B GDA 3020 CAT	109	P121023	Q80 KEY WM AV	38	P211E30N15	ESPAS 30-I DA PLUS CIT-IP	310	P903030	PHP4 A	266
P115015 00002	BIN B GDA 3620 CAT	109	P121024	Q80 TOUCH	38	P211E30O11	ESPAS 30-I DA PLUS CIT-IP	310	P903031	BMC A	267
P115015 00003	BIN B GDA 2X1510 CAT	109	P121025	Q80 PAD	251	P211E30O15	ESPAS 30-I DA PLUS CIT-IP	310	P903032	ADA CC A	266
P115015 00004	BIN B GDA 2X1810 CAT	109									

CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE	CODE	PRODUCT	PAGE
P915138 00003	PHEBE ULTRA BT A SQ	115	P935046 00004	LUX R 2B 25N UL/CSA	70	P960615 00001	KIT PROFILI VISTA SL 4.4M UTILE N	148	PA1D3A0R10000	ESPAS 30-P ULTRA AED B R RF	335
P915139 00002	PHEBE BT A U C	115	P935049 00001	LUX LR	70	P960615 00001	KIT PROFILI VISTA SL 4.4M UTILE N	148	PA1D3F0R10000	ESPAS 30-P ULTRA AED M B H R RF CIT-IP	335
P915139 00003	PHEBE BT A C SQ	115	P935058 00001	ORO E	67	P960615 00002	KIT PROFILI VISTA SL 4.4M UTILE O	148	PA1D401R10000	ESPAS 30-P ULTRA EUR B H R RF	333
P915199 00002	TIZIANO B GDA 260 S01	109	P935059 00001	ORO	67	P960615 00002	KIT PROFILI VISTA SL 4.4M UTILE O	148	PA1D402R10000	ESPAS 30-P ULTRA EUR CC-FRA RF	333
P915211 00002	BOTTICELLI BT A 650	111	P935060 00001	P7	73	P960616 00001	KIT PROFILI VISTA SL 6M UTILE N	148	PA1D404R10000	ESPAS 30-P ULTRA EUR M B RF	333
P915212 00002	BOTTICELLI SMART BT A 850	111	P935060 00003	P7 UL/CSA	73	P960616 00001	KIT PROFILI VISTA SL 6M UTILE N	148	PA1D410R10000	ESPAS 30-P ULTRA EUR M RF	333
P915213 00002	BOTTICELLI SMART BT A 1250	111	P935060 00004	P7 WINTER	73	P960616 00002	KIT PROFILI VISTA SL 6M UTILE O	148	PA1D4A0R10000	ESPAS 30-P ULTRA EUR M B H R RF	333
P925203 00004	PEGASO BCJA625L01	133	P935061 00001	P4.5	73		MOUNTING KIT MODULO VISTA SL1 LEAF		PA1D4F0R10000	ESPAS 30-P ULTRA EUR M B H R RF	333
P925203 00005	PEGASO BCJA645W01	133	P935061 00003	P4.5 UL/CSA	73	P960621 00002	EVO 230V	148	PA1D4F1R10000	ESPAS 30-P ULTRA EUR M B H R CC-ITA RF	333
P925203 00006	PEGASO BCJA625L11	137	P935061 00004	P4.5 WINTER	73	P960633 00002	MOUNTING KIT MODULO VISTA SL1	154		ESPAS 30-P ULTRA EUR M B H R CC-ITA	333
P925203 00007	PEGASO BCJA645W11	137	P935065 00002	IGEA	53	P960633 00002	VISTA SLE	154	PA1D4F1R12000	RF CIT-IP	
P925204 00004	PEGASO BCJA625L02	133	P935070 00002	IGEA BT	51	P960666 00002	VISTA SW 260 MXL	163		ESPAS 30-P ULTRA EUR M B H R	333
P925204 00005	PEGASO BCJA645W02	133	P935072 00002	IGEA LB BT	141	P960667 00002	VISTA SW 260 SXL	163	PA1D4F2R10000	CC-FRA RF	
P925204 00006	PEGASO BCJA625L12	137	P935077 00001	IGEA LB	141	P970034 00002	STOPPY O	225	PA1D4F2R12000	ESPAS 30-P ULTRA EUR M B H R CC-FRA RF CIT-IP	333
P925205 00003	PEGASO BCJA620L01	133	P935095 00002	PHOBOS BT A40	43	P970045 00007	STOPPY H O	225		ESPAS 30-P ULTRA EUR M B H R	333
P925205 00004	PEGASO BCJA620L11	137	P935096 00002	PHOBOS BT A25	43	P970045 00008	STOPPY H O LI	225	PA1D4F4R10000	RF CIT-IP	
P925207 00001	SP3500 TRI 400	105	P935097 00001	PHOBOS AC A50 120V	41	P970045 00107	STOPPY H O RAL	225	PA1D4F4R12000	RF CIT-IP	
P925207 00002	SP3500 TRI 230	105	P935097 00002	PHOBOS AC A50	41	P970081 00001	RANCH B 219/500	233		ESPAS 30-P ULTRA EUR M B H R CC-DEU	333
P925221 00002	DEIMOS ULTRA BT A400	87	P935098 00001	PHOBOS AC A25 120 V	41	P970081 00002	RANCH B 219/500 LI	233	PA1D501R10000	ESPAS 30-P ULTRA GBP M RF	334
P925221 00003	DEIMOS ULTRA BT A400 V	87	P935098 00002	PHOBOS AC A25	41	P970081 00003	RANCH B 219/500 LI	233	PA1D5A0R10000	ESPAS 30-P ULTRA GBP B R RF	334
P925222 00001	DEIMOS BT A400 120	83	P935099 00002	KUSTOS BT A25	45	P970081 00004	RANCH B 219/500 LI	233	PA1D5F0R10000	ESPAS 30-P ULTRA GBP M B H R RF	334
P925222 00002	DEIMOS BT A400	83	P935100 00002	KUSTOS BT A40	45	P970081 00001	RANCH B 219/500	233	PA1D5F3R10000	ESPAS 30-P ULTRA GBP M B H R CC-UK RF CIT-IP	335
P925222 00003	DEIMOS BT A400 V	83	P935101 00002	KUSTOS ULTRA BT A25	47	P970081 00002	RANCH B 219/500 - RAL	233		ESPAS 30-P ULTRA GBP M B H R CC-UK	335
P925222 00004	DEIMOS BT A400 V 120	83	P935102 00002	KUSTOS ULTRA BT A40	47	P970081 00102	RANCH B 219/500 L - RAL	233	PA1D607R10000	ESPAS 30-P ULTRA HRK CC-HRV RF	333
P925222 00005	DEIMOS BT A400 SQ	83	P935105 00001	GIUNO ULTRA BT A20	65	P970082 00002	RANCH B 219/700 L	233	PA1D6F0R10000	ESPAS 30-P ULTRA HRK M B H R RF	333
P925222 00006	DEIMOS BT A400 V SQ	83	P935106 00001	GIUNO ULTRA BT A50	65	P970082 00003	RANCH B 219/700 LI	233		ESPAS 30-P ULTRA HRK M B H R RF	333
P925223 00002	DEIMOS ULTRA BT A600	87	P935108 00002	ATHOS AC A25 AR	37	P970082 00004	RANCH B 219/700 LI	233	PA1D6F7R10000	CC-HRV RF	
P925223 00003	DEIMOS ULTRA BT A600 V	87	P935109 00002	ATHOS AC A25 AL	37	P970082 00102	RANCH B 219/700 L - RAL	233		ESPAS 30-P ULTRA HRK M B H R CC-HRV	334
P925224 00001	DEIMOS BT A600 120	83	P935115 00002	ATHOS AC A40 AR	37	P970083 00001	DAMPY B 115/500	229	PA1D6F7R12000	RF CIT-IP	
P925224 00002	DEIMOS BT A600	83	P935116 00002	ATHOS AC A40 AL	37	P970083 00002	DAMPY B 115/500 LI	229	PA1D1C0R10000	ESPAS 30-P ULTRA MXN M RF	335
P925224 00003	DEIMOS BT A600 V	83	P940027 00004	MOOVI 30 RMM INOX	203	P970083 00101	DAMPY B 115/500 - RAL	229	PA1DCA0R10000	ESPAS 30-P ULTRA MXN B R RF	335
P925224 00004	DEIMOS BT A600 V 120	83	P940031 00002	MOOVI 30S INOX	203	P970083 00102	DAMPY B 115/500 - RAL	229		ESPAS 30-P ULTRA MXN M B H R	335
P925224 00005	DEIMOS BT A600 SQ	83	P940062 00002	MOOVI 30	203	P970084 00001	DAMPY B 219/500	229	PA1D1D0R10000	ESPAS 30-P ULTRA PLN M RF	334
P925224 00006	DEIMOS BT A600 V SQ	83	P940062 00102	MOOVI 30 RAL	203	P970084 00101	DAMPY B 219/500 - RAL	229	PA1DD0R10000	ESPAS 30-P ULTRA PLN B R RF	334
P925230 00001	DEIMOS AC A600 120	89	P940063 00002	MOOVI 30 RMM	203	P970084 00102	DAMPY B 219/500 L - RAL	229	PA1DD0F10000	ESPAS 30-P ULTRA PLN M B H R RF	334
P925230 00002	DEIMOS AC A600	89	P940063 00102	MOOVI 30 RMM RAL	203	P970085 00001	DAMPY B 219/500 L	229		ESPAS 30-P ULTRA PLN M B H R	334
P925230 00003	DEIMOS AC A600 V	89	P940064 00002	MOOVI 30S	203	P970085 00002	DAMPY B 219/500 LI	229	PA1DDF6R10000	CC-POL RF	
P925230 00004	DEIMOS AC A600 120 V	89	P940064 00102	MOOVI 30S RAL	203	P970085 00101	DAMPY B 219/500 L - RAL	229		ESPAS 30-P ULTRA PLN M B H R CC-POL	334
P925230 00005	DEIMOS AC A600 SQ	89	P940065 00002	MOOVI 60	203	P970085 00102	DAMPY B 219/500 L - RAL	229	PA2D040R10000	ESPAS 30-I ULTRA RF	323
P925231 00001	DEIMOS AC A800 120	89	P940065 00102	MOOVI 60 RAL	203	P970086 00001	DAMPY B 219/700	229	PA2D140R10000	ESPAS 30-I ULTRA SCN RF	323
P925231 00002	DEIMOS AC A800 120 V	89	P940066 00002	MOOVI 60 RMM	203	P970086 00002	DAMPY B 219/700 L	229	PA2D140R12000	ESPAS 30-I ULTRA SCN RF CIT-IP	323
P925231 00005	DEIMOS AC A800 SQ	89	P940066 00004	MOOVI 60RMM INOX	203	P970086 00101	DAMPY B 219/700 - RAL	229	PA2D140R10000	ESPAS 30-I ULTRA SCN RF CIT-IP	323
P925236 00001	ICARO SMART AC A2000 120	101	P940066 00102	MOOVI 60 RMM RAL	203	P970087 00001	DAMPY B 219/700 LI	229	PA2D140R12000	ESPAS 30-I ULTRA SCN RF CIT-IP	323
P925236 00002	ICARO SMART AC A2000	101	P940070	MAXIMA 30	191	P970087 00101	DAMPY B 219/700 L - RAL	229	PA2D140R10000	ESPAS 30-I ULTRA PLUS RF	325
P925236 00003	ICARO SMART AC A2000 SQ	101	P940070 00102	MAXIMA 30 - RAL	191	P970087 00102	DAMPY B 219/700 L - RAL	229	PA2D141R10000	ESPAS 30-U CC ULTRA SCN CC-ITA RF	327
P925237 00001	ICARO SMART AC A2000 V 120	101	P940071	MAXIMA 60	191	P970087 00101	DAMPY B 219/700 L - RAL	229		ESPAS 30-U CC ULTRA SCN CC-ITA	327
P925237 00002	ICARO SMART AC A2000 V	101	P940071 00102	MAXIMA 60 - RAL	191	P970088 00001	STOPPY B 115/500	227	PA4D142R10000	ESPAS 30-U CC ULTRA SCN CC-FRA RF	327
P925237 00003	ICARO SMART AC A2000 V SQ	101	P940072	MAXIMA 80	191	P970088 00101	STOPPY B 115/500 - RAL	227	PA4D142R12000	RF CIT-IP	
P925238 00002	ICARO ULTRA AC A2000	103	P940072 00102	MAXIMA 80 - RAL	191	P970089 00001	STOPPY B 200/700	227		ESPAS 30-U CC ULTRA SCN CC-UK RF	328
P925244 00003	SP3500 SF TRI 400	105	P940073 00002	MAXIMA ULTRA 35 SM	187	P970089 00101	STOPPY B 200/700 LI	227	PA4D143R10000	ESPAS 30-U CC ULTRA SCN CC-UK	328
P925253 00001	DEIMOS ULTRA BT A800 120 SL DN	89	P940073 00007	MAXIMA ULTRA 35 SM ST. STEEL (INOX)	188	P970092 00001	PILLAR B 275/600.6C L	215	PA4D145R10000	ESPAS 30-U CC ULTRA SCN CC-AUS RF	328
P925253 00002	DEIMOS AC A800 SL DN	89		MAXIMA ULTRA 35 SM 115V NPB	187	P970092 00002	PILLAR B 275/600.6C L	215		ESPAS 30-U CC ULTRA SCN CC-AUS	328
P925253 00003	DEIMOS AC A800 V SL DN	89	P940073 00008	NO MOLLA		P970092 00003	PILLAR B 275/600.6C L SD	215	PA5D040R10000	ESPAS 30-A ULTRA RF	330
P925253 00004	DEIMOS AC A800 120 V SL DN	89	P940073 00102	MAXIMA ULTRA 35 SM - RAL	187	P970092 00004	PILLAR B 275/600.6C L SD	215	PA5D040R12000	ESPAS 30-A ULTRA RF CIT-IP	330
P925256 00002	ICARO VELOCE SMART AC A1000	99	P940073 00108	MAXIMA ULTRA 35 SM 115V NPB NO MOLLA RAL	187	P970092 00101	PILLAR B 275/600.6C L - RAL	215	R400005	MIME AC - PHP	268
P925258 00002	ARGO BT A 20	119	P940073 00108	MOLLA RAL	187	P970092 00103	PILLAR B 275/600.6C L SD - RAL	215	R400006	KIT DESME - KHP	268
P925260 00002	ARGO BT A 35	119	P940073 00109	MAXIMA ULTRA 35 SM + ASS MOLLA RAL	187	P970093 00001	PILLAR B 275/800.6C L	217	R400007	MIME AC TX KIT	257
P926187 00002	ARES BT A1500	95	P940074 00002	MAXIMA ULTRA 68 SM	183	P970093 00002	PILLAR B 275/800.6C L	217	R400008	MIME AC PAD KIT	257
P926188 00002	ARES BT A1500 V	95	P940074 00102	MAXIMA ULTRA 68 SM - RAL	183	P970093 00103	PILLAR B 275/800.6C L - RAL	217	R400009	KIT COMPACTA - PHP	38
P926189 00002	ARES BT A1000	95	P940074 00109	MAXIMA ULTRA 68 SM + ASS MOLLA RAL	183	P970093 00103	PILLAR B 275/800.6C L SD - RAL	217	R915150 00002	PHEBE BT A U KIT ITA	115
P926190 00002	ARES BT A1000 V	95				P970094 00001	XPASS B 275/800C L	239	R920110	CSR99 20	93
P926191 00001	ARES ULTRA BT A1500 120	97	P940076 00001	MICHELANGELO BT A 60 U 120	195	P970094 00002	XPASS B 275/800C L	239	R920111	TRWB	93
P926191 00002	ARES ULTRA BT A1500	97	P940076 00002	MICHELANGELO BT A 60 U	195	P970094 00003	XPASS B 275/800C L SD	239	R925265 00002	DEIMOS ULTRA BT KIT A400 FRA	87
P926193 00001	ARES ULTRA BT A1000 120	97	P940076 00101	MICHELANGELO BT A 60 U 120 RAL	195	P970094 00004	XPASS B 275/800C L SD	239	R925269 00002	DEIMOS ULTRA BT KIT A600 FRA	87
P926193 00002	ARES ULTRA BT A1000	97	P940076 00102	MICHELANGELO BT A 60 U RAL	195	P970094 00101	XPASS B 275/800C L - RAL	239	R925271 00002	DEIMOS BT KIT A600 FRA	83
P926198 00002	ARES VELOCE SMART BT A 500	93	P940077 00001	MICHELANGELO BT A 80 U 120	195	P970094 00103	XPASS B 275/800C L - RAL	239	R925281 00002	DEIMOS AC KIT A600 FRA	89
P930009 00005	SUB E DX	77	P940077 00002	MICHELANGELO BT A 80 U 120	195	P970094 00103	XPASS B 275/800C L SD - RAL	239	R925332 00002	DEIMOS AC KIT A800 INT SL DN	89
P930009 00004	SUB E SX	77	P940077 00101	MICHELANGELO BT A 80 U 120 RAL	195	P970096 00002	RANCH D 275/800C LI	246	R925342 00001	ARES VELOCE SMART BT KIT A500 INT	93
P930010 00005	SUB G DX	78	P940077 00102	MICHELANGELO BT A 80 U RAL	195	P970101	RANCH R 0115-625 DISS. RIBALT.	234	R930150 00001	VIRGO SMART BT A 20 KIT INT	49
P930010 00006	SUB G SX	78	P940078 00002	GIOTTO BT A 30 U 230V50	199	P970102 00001	RANCH C 275/600CN L	231	R935024 70001	TIZIANO 3.5 CHAIN KIT	109
P930010 00007	SUB G UL/CSA DX	78	P940078 00102	GIOTTO BT A 30 U 230V50 RAL PERS	199	P970102 00002	RANCH C 275/600CN L	231	R935210 00011	ORO KIT FRA	67
P930011 00005	SUB EG DX	78	P940079 00001	GIOTTO BT A 30S U 120V60	199	P970102 00004	RANCH C 275/600CN LI	231	R935217 00002	LUX MB KIT	70
P930011 00006	SUB EG SX	78	P940079 00002	GIOTTO BT A 30S U 230V50	199	P970102 00101	RANCH C 275/600CN - RAL	231	R935221 00002	IGEA KIT FRA	67
P930012 00005	SUB R DX	77	P940079 00101	GIOTTO BT A 30S U 120V60 RAL PERS	199	P970102 00102	RANCH C 275/600CN L - RAL	231	R935222 00002	ORO KIT	67
P930012 00006	SUB R SX	77	P940079 00102	GIOTTO BT A 30S U 230V50 RAL PERS	199	P970103 00001	RANCH C 275/800CN L	231	R935297 00002	IGEA BT KIT FRA THALIA	51
P930012 00007	SUB R UL/CSA DX	77	P940080 00002	GIOTTO BT A 60 U 230V50	199	P970103 00002	RANCH C 275/800CN LI	231	R935304 00003	PH	

What is U-Link?

The innovative technology that gives you new power

An exclusive Bft innovation: U-Link (Universal Link) is an exclusive Bft platform that allows the creation of technological ecosystems. In Home Automation Access, it allows communication with all the home access automation devices of any brand. So you save time and can control everything with ease, without any worries.

It is intuitive

Easy to install and use

It is scalable

Allows an unlimited number of devices to be added

It is flexible

Allows the creation of groups of interconnected products

It is practical

Works with or without a web connection

It is functional

Parameters can be controlled remotely via dedicated applications

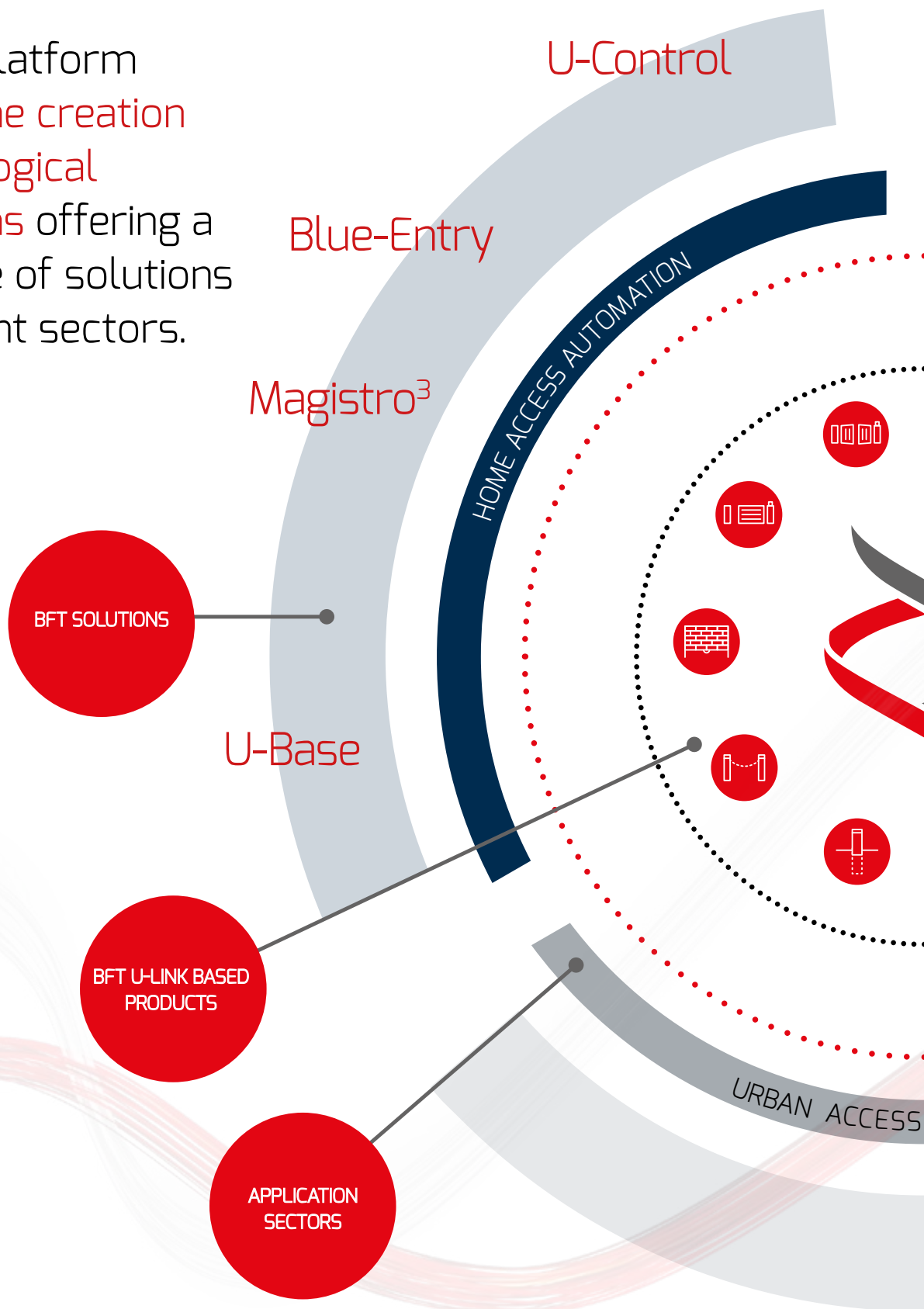




Empowered by
U-LINK

All in

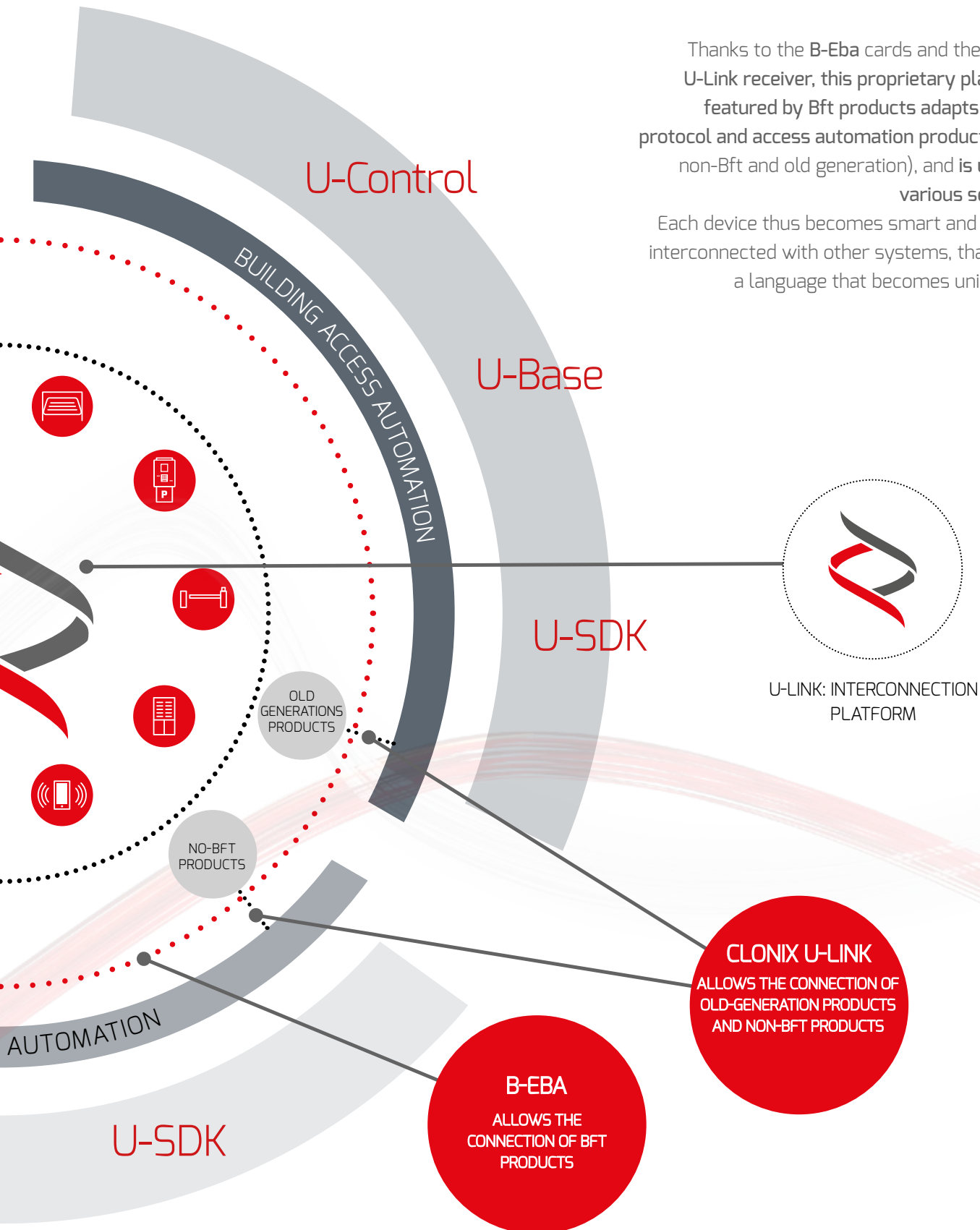
A unique platform
allowing the creation
of technological
ecosystems offering a
wide range of solutions
for different sectors.



one scheme: discover this amazing technology

Thanks to the B-Eba cards and the Clonix U-Link receiver, this proprietary platform featured by Bft products adapts to any protocol and access automation product (even non-Bft and old generation), and is used in various sectors.

Each device thus becomes smart and can be interconnected with other systems, thanks to a language that becomes universal.



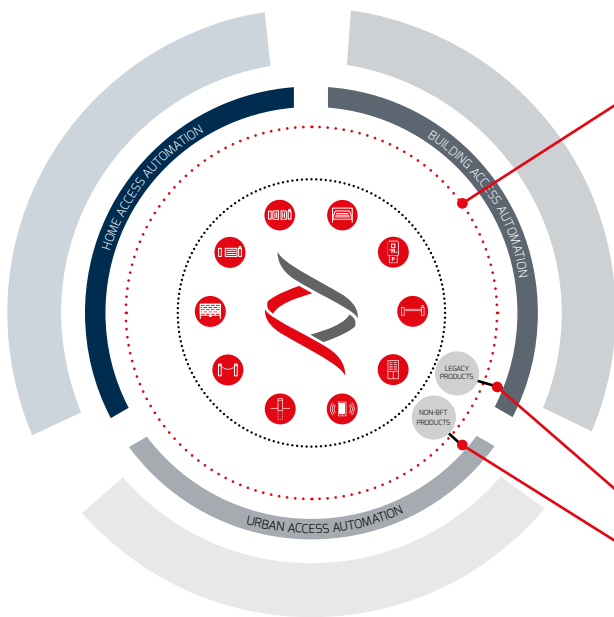


Empowered by
U-LINK

BFT interconnectivity technology

This platform, which is exclusive to Bft, consists of the B-EBA expansion board and the Clonix U-Link receiver.

These two products enable U-Link to be connected to both BFT and non-BFT operators.



The U-Link system is a universal platform which allows you to create technological ecosystems by connecting BFT products to your smartphone or tablet through the B-EBA expansion board. The Clonix receiver allows U-Link to be integrated with any type of operator, whether they are BFT or non-BFT. These two innovations make U-Link suitable in almost any configuration, solution or requirement – a truly limitless platform.



B-EBA

A direct link to your operators.

The B-EBA expansion boards make it possible to connect external devices such as PCs, smartphones and tablets with a BFT operator and with a Clonix receiver or to connect multiple BFT products within a U-Link network. These accessories integrate with U-Link technology and with Bluetooth, Z-Wave and TCP/IP, protocols as well as with the RS485 serial interface.



Clonix U-Link

Connect legacy products and non-BFT products to U-Link.

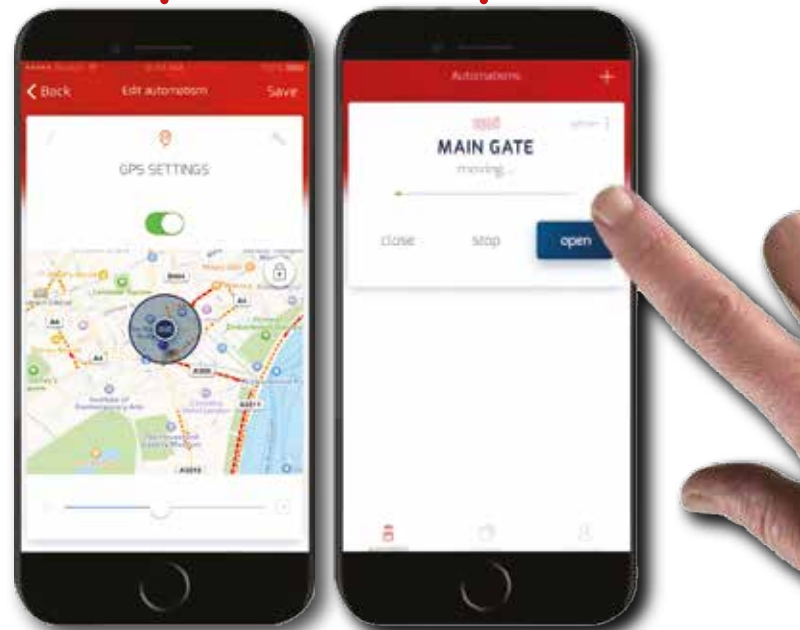
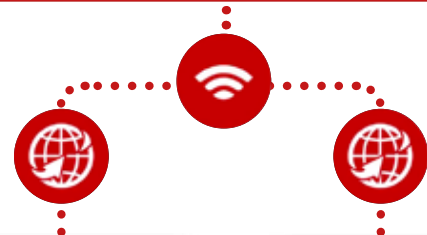
Clonix receivers make it possible to connect older generation BFT operators or even non-BFT products to U-Link.

U-Control

U-Control is the new application from BFT which allows you to control one or more compatible U-Link devices which have the B-EBA Wi-Fi expansion board.



- Via an internet connection, the user can open/close/stop an automated process directly from a smartphone or tablet (Android or iOS) and check on its status (open/closed) in real time from any location.
- Control access from almost anywhere for example, open or close your gates to allow access to a gardener who needs to mow the lawn while you are away.
- The GPS function, the iOS version allows you to initiate your automation processes automatically whenever your smartphone is in the vicinity
- Scenario management enables you to open or close your home's automation with a single click.
- Share functionality easily with other users. Once the app and the B-EBA Wi-Fi system have been installed and configured, you can authorise other users to control your installations simply by sharing a unique self-installing link with them.



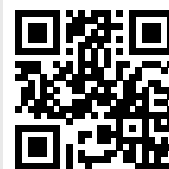
Discover
U-Control:



Watch the
product
video:



Watch the
installation
video:



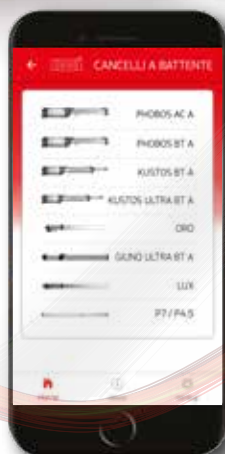
With **Bft Easy Set** the installation of an automation system for swing gates has never been easier!



Thanks to the exclusive “Bft Easy Set” app, with a few simple steps, you can automatically obtain the installation dimensions of the brackets for the swing gate operators.

The application allows you to choose the opening angle of the gate according to the position of the brackets.

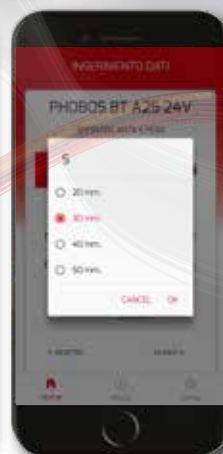
Available soon for your Android or iOS smartphone!



1. Choose your operator for swing gates



2. Enter the basic measurements of the gate and the desired opening angle



3. The App automatically calculates the position dimensions of the brackets

BFT, technologies, instruments, protocols

The adoption of exclusive and safe technologies and protocols ensures optimum performance at all times and makes BFT automation systems the essence of innovation, quality and reliability.



U-Link

A single communication platform for all types of control units and receivers. The innovative interconnectivity systems developed by Bft along with wireless connection solutions in the field of access point automation become integrated through the new U-link system communication protocol. A technology designed and developed to operate using specific gateways for any type of physical media and communication protocol. To fully facilitate installers in creating the system and in maintenance, Bft can offer solutions based on Bluetooth transmission systems in local and TCP/IP environments for remote connection. U-Link ensures an absolutely stable standard, correct communication, as well as secure data protection thanks to two levels of encryption, offered by the data encryption system and password of the protocol and by the underlying communication system. - U-Link is a technological platform that forms the heart of Bft products - U-link uses an open approach: by changing the B-Eba, Bft proprietary gateway, it is possible to adapt to many different communication languages - U-link is flexible: it can work with or without a network connection, depending on the B-Eba gateway installed - U-Link enables remote maintenance of the products thanks to two-way communication - U-link is scalable: an infinite number of objects can be added to a U-link network - U-Link allows the creation of groups of products: various B-Ebas can be grouped to allow individual or group control of the associated products U-link is an innovation that turns products into Bft solutions.



Dynamic Path Tracking

The thrust required to operate safely. A smart torque management system based on the microprocessor technology of BFT control units. Acquiring data from several indicators, it updates the level of thrust required to perform the operation. D-Track also facilitates the installer in providing for the certifications required by law. Conventional control units do not "read" the exact position of the gate and consequently apply constant thrust levels, without ensuring stable sensitivity during the opening and closing operations. BFT control devices record the slightest variation in the gate or door force, for example due to differences in temperature or wear, constantly supplying the optimum torque to the motor. A conventional control unit could not detect these thrust variations, which would result in it indicating the presence of non-existent obstacles. The BFT system thus guarantees the maximum safety and perfect functioning of the equipment, no matter what the climatic and temperature conditions and degree of mechanical wear.



Nf Certification

Quality certification. Products with NF certification are periodically checked by independent auditing firms responsible for verifying the quality of each article. The verification criteria vary depending on the product and also include analysis of the different production sites. By purchasing an NF certified product you are assured that it meets the current standards and has undergone stringent compliance tests.



Er - Ready

The new coding system for direct cloning of remote controls Based on microprocessor technology, this system allows the cloning of any MITTO remote control in a MITTO REPLAY remote control. In fact, the first remote control "teaches" the second one the correct code which is automatically saved in the receiver the first time it is used. Everything occurs at the highest levels of security thanks to the use of the Rolling Code safe transmission system.



24V

A precise, safe and reliable technology Bft 24V technology ensures optimum performance with a precise adjustment of slowdown in closing and opening. Safety is another key aspect, ensuring the immediate stopping and reversal of movement in the presence of obstacles. The efficiency of the technology is a guarantee of the product's reliability.



Ecosol

A system powered by solar energy and suitable for all low-voltage installations. Ecosol is not just a technology attentive to the environment, but also a practical solution for doors and gates that are hard to reach from the mains power supply. Thanks to compatibility with all new and old 24V systems, it can be installed in any situation. Ecosol, a clean, renewable and endless charge.



Rolling Code

For safe transmission. BFT transmitters use a rolling code system that manages the commands in a completely secure way and prevents any type of external violation. When a transmitter key is pressed the command is sent to the control unit with a different code each time, identifiable only by the receiver and accepted only once. The algorithm generated then prevents the reproduction of the code.



Inverter

Motor rotation constantly under control. The inverter is an electronic device allowing motor rotation speed to be controlled at any moment, ensuring safety and reliability of the installation, and even extending its life. This is because the inverter reduces the stresses on mechanical parts, subjecting them to less stress. The system also allows management of automation opening and closing times.



Reduction Unit In Oil Bath

The device included in a specific range of Bft barriers, offering great durability in being maintenance free; it ensures extreme quietness and irreversibility of movement.



Block

Crank Handle System

Together with irreversibility of the reduction unit, this device included in a specific range Bft barriers provides intrinsic anti-vandal protection, preventing unauthorised opening of the gate.



Encoder

Inductive Encoder

A contactless high-resolution device for detecting obstacles. It ensures rapid reversing of motion and improves smoothness of overall movement during acceleration and slowdown.



tri

Three-Phase Induction Motor

This device, included in a specific range of Bft barriers, allows the motor to be maintenance-free and offers extreme reliability and quietness. It can also be used in hazardous areas, as it does not produce sparks.



Easy

Easily Accessed Hydraulic Pump

This solution, included in the range of Bft hydraulic bollards, allows quick maintenance without the use of a shaft lifting crane.



IWA CERTIFICATION

Certification Iwa 14-1:2103 V/7200 (N3C)/80/90

Anti-terrorism certification The X-Pass B 330/1200 bollard has obtained Iwa certification, classifying it as an anti-terrorism device. In the crash test, one of these bollards stopped a 7,200 kg heavy vehicle travelling at a speed of 80 kph. A perfect solution to protect sensitive buildings, such as barracks, banks and embassies, from intrusion by potentially dangerous vehicles. The test was carried out by the English company Mira, specialised in innovations in the world of engineering and product testing.



Efo

A device applicable to hydraulic bollards, allowing rapid rising of the shaft (about 3 times faster than the standard speeds), essential in case of emergency. The device consists of a high pressure reservoir which, when activated, gives the hydraulic pump additional thrust. Once used, the system is automatically reinstated, without requiring maintenance.



Ee Link

For fast and safe programming. EELINK is a system developed by BFT which, by means of connection to handheld programmers (Unipro, Uniradio and Proxima), makes it possible to transfer data from automatic systems to PCs and vice versa. Thus EEdbase or U-base, the databases of the information stored in the installed systems, are constantly updated. Thanks to this software it possible to associate the necessary personal details with each system: owner's address and details, name of maintenance technician, names of every remote control holder, etc. With EELink, just press a few buttons to easily manage the customer base or preventive maintenance. Even operations that were once complex become easier: for example, reconfiguring the control unit or the radio receiver in case of replacement or the setup of a control panel, starting from a standard or custom configuration.



Inverter With Three-Phase Induction Motor

Allows precise control and management of bar/boom speed in a specific range of Bft barriers and also provides excellent dynamic performance in acceleration and slowdown, ensuring extreme quietness.



Automatic System For Communication With Operator

ERMES is the hardware and software system allowing automatic management of notification of alarms and events detected by a Sacs parking system, to mobile phones or email addresses.



Reading Of Passive Tag On Windscreen

Aura Tuva is a medium range UHF passive tag reading system that can be integrated in a parking system. The Tuva antenna, installed near the entry and exit posts, allows motorists with special adhesive tags on their windscreens to enter and exit the car park quickly, without having to show anything at the post.



Car Number-Plate Reading

Aura NEA is a vehicle number-plate reading system that can be integrated in parking systems. The camera, installed near the entry and exit posts, allows vehicles with registered number-plate to enter and exit the car park quickly, without having to show anything at the post. The use of the plate does not require specific physical supports, thereby offering maximum flexibility.



Silentech

"Silentech", the Bft technology able to offer a range of products that are among the quietest on the market, thanks to careful and constant research on the internal mechanical parts of our motors.

Legend of uses

Legend of applications for BFT products



Home Access Automation

Full Access Specialist: that's what we have become, starting from automation in the residential context, a traditional area for Bft, which can count on 30 years of technological innovations.



Building Access Automation

A range focused on providing the control and protection of points of access to public and private structures.



Urban Access Automation

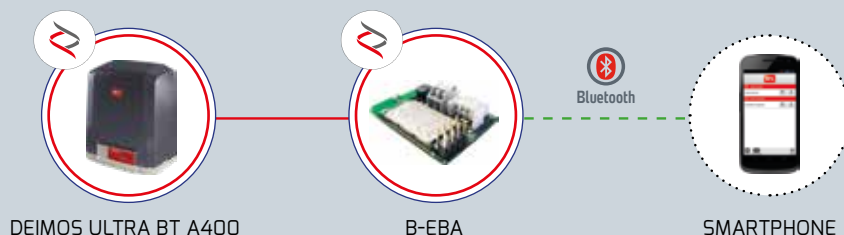
Advanced parking systems, barriers and bollards integrated through the use of software dedicated to Urban Traffic Management: this is the result of the most innovative research made in Bft.

Some solutions of the Home Access Automation, Building



The remote control for sliding operators with U-link? A smartphone.

Technology abreast of the times and attentive to the use of U-link the house gate can now be opened with just your smartphone.



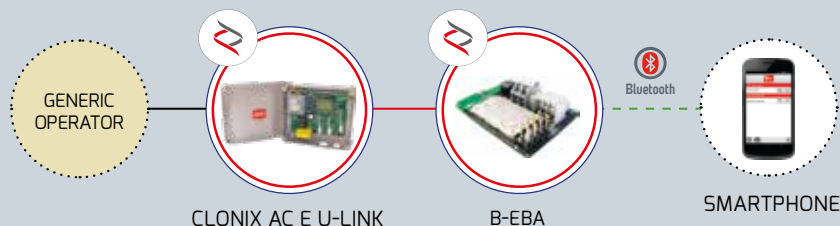
Interconnectivity on hand for U-link operators.

With the Magistro system every device can be controlled via PC, tablet or smartphone, from inside the home and remotely.



The remote control for non-Bft operators? A smartphone.

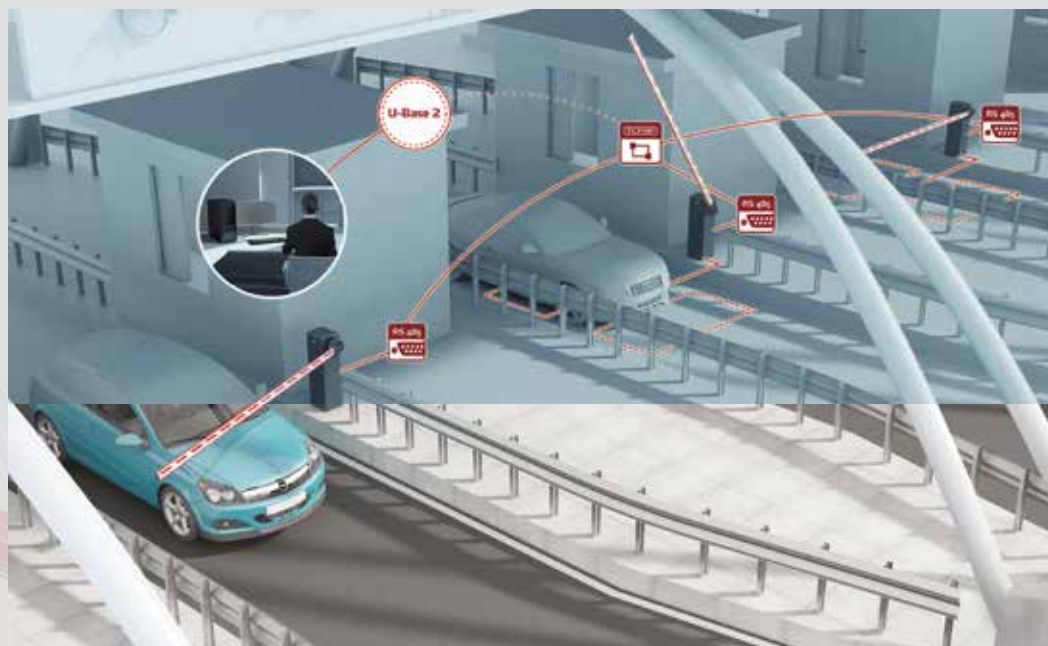
Technology abreast of the times and attentive to daily needs: thanks to the use of U-link technology the house gate can now be opened with just your smartphone.



Motorway toll-gate - A boom that withstands impacts

Faults in the barriers are often due to accidental impacts against the boom. Hence the Bft solution that withstands impacts and quickly returns operational.

Thanks to the hinged boom release mechanism, the barrier minimises damage to the device in case of impact, thus allowing rapid reinstatement of the automation. The entire toll-gate barrier system is controlled remotely from a single computer with the U-BASE 2 software which allows prompt and precise diagnostics of the barriers included in the U-Link network.



✓ ADVANTAGES

- The boom will not be damaged in case of impact
- Quickly resettable system
- Centralised remote control
- Barrier diagnostics

IDENTIFIED SYSTEM

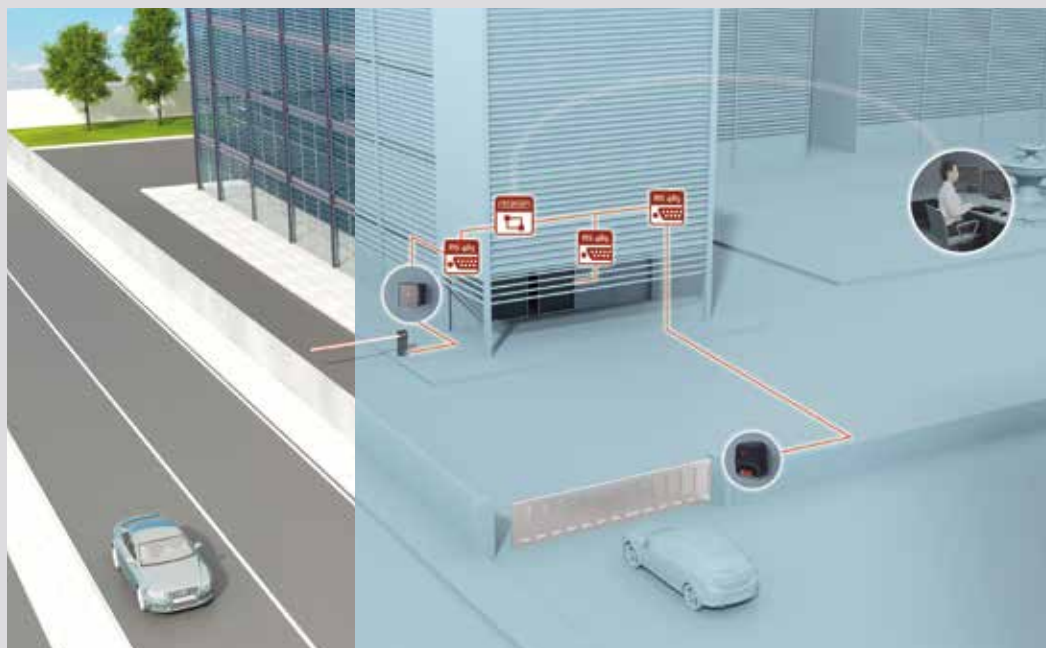


Access Automation and Urban Access Automation worlds.



U-Base 2 - Program a system remotely via a mobile device.

Programming and checking the proper operation of a system remotely with several operators via a mobile device? Thanks to U-Base 2 software everything is possible. The B EBA TCP/IP GATEWAY interface connects the mobile device hosting U-Base 2 via the Internet, for the programming and management of all aspects of the Bft operators in a system, connected in series via an RS 485, and using U-link technology. It connects to the operators via B EBA 485 LINK modules. The Clonix AC 2 E U-link accessory can be used if intending to control operators that are not U-link compatible. The speed and transmission stability combined with maximum safety in sending and receiving commands are the main advantages of this solution.



✓ ADVANTAGES

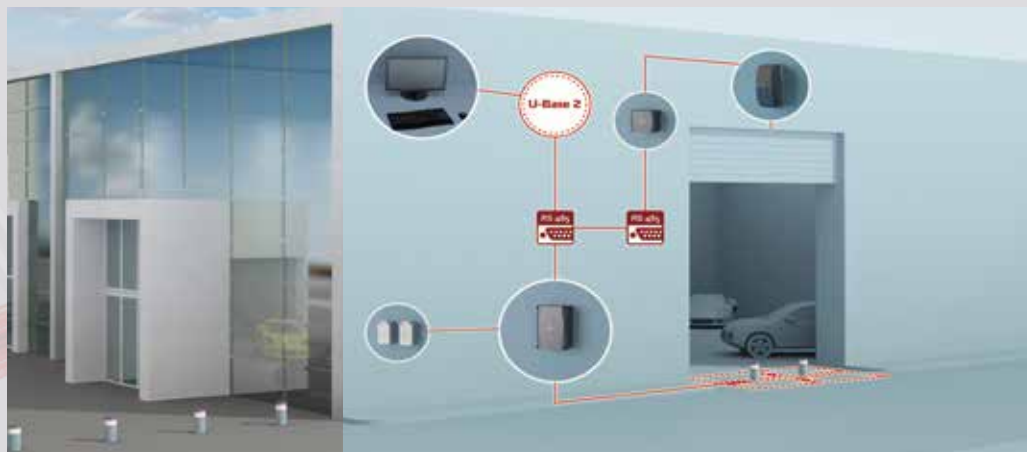
- Transmission speed and stability.
- Maximum security in the transmission of commands.
- Sending commands, status checking, diagnosis, programming, remote troubleshooting.

IDENTIFIED SYSTEM



Centralised control of workshop access

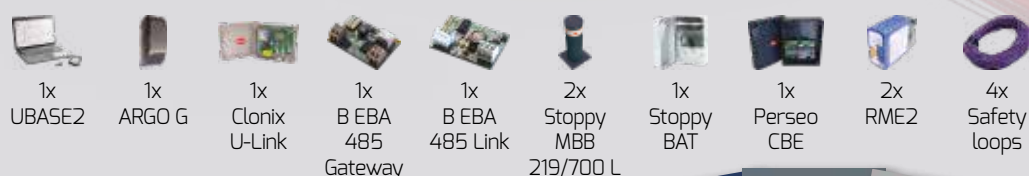
With the new Clonix ULink, any automation device can easily be included in a serial network with 485 connection, controlled from a PC and U-Base software. In this way, access to the dealer's workshop is easily managed from a centralised station, controlling both the opening of sectional doors and the bollards protecting the entry, even in case of a power failure. The system allows diagnostics of compatible U-link products included in the U-link network.



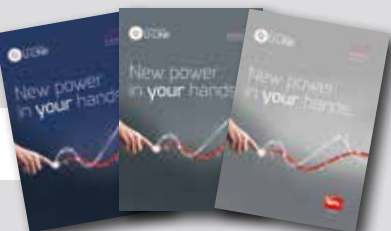
✓ ADVANTAGES

- Bollards non-reversible in case of a power failure
- Centralised access management from a PC
- Control of any automation device via clonix U-Link

IDENTIFIED SYSTEM



visit www.bft-automation.com for more information about Home, Building and Urban catalogs



NEW

Bft, cutting-edge products

ARES VELOCE SMART BT A500**ARES VELOCE SMART BT A500**

Fast-action 24V operator for intensive use for sliding gates up to 500kg. Speed without load 25 m/min. Torque control thanks to D-Track technology. Control unit for communication with U-Link protocol. Operator with electromagnetic limit switch. The ideal solution for situations which require fast operating speeds, reduced waiting times and high levels of security.

ICARO VELOCE SMART AC A1000**ICARO VELOCE SMART AC A1000**

230 V operators for sliding gates for very intensive use, extremely sturdy and high-performance thanks to oil bath transmission. Speed without load 25 m/min. Control of torque via D-track technology and absolute encoder for maximum precision of movement. Control unit provided for communication with U-link protocol and with tamper-proof function. Operator with electromechanical limit switch. The control unit ensures complete safety thanks to the exclusive torque control system that makes these operators comply fully with the current European standards.

E5 BT A**E5 BT A**

24V reversible electromechanical operator for swing gate panels for pedestrian and vehicular access, for use in homes, apartment buildings and commercial areas. Its small size means it can be installed on small pillars and columns (minimum width required 8cm). The slide arm option means constraints such as walls and obstacles close to the operator can be overcome. The limit switch function is regulated by the absolute encoder. The safety of the operator is guaranteed thanks to the D-track system which precisely determines the position and force with which the gate moves, using the friction inside the operator and the new articulated and slide arms with anti-shear design.

BOTTICELLI SMART BT A**BOTTICELLI SMART BT A**

Electromechanical operators for intensive/very intensive use, designed for the automation of sectional garage doors. Features a very compact design, suitable for installation in any situation, thanks to the wide range of chain rails available in various lengths. The control unit and limit switch with encoder with mechanical stop are incorporated in the operator and rail respectively. The intensity of use makes them suitable for any type of installation, both residential and municipal. The quick Set-Up function from the ground makes installation fast and easy. The high opening speed minimises waiting times and maximises comfort for the end user. The exclusive anti-intruder function (SMART models) secures the garage from unwanted accesses.

U-CONTROL**U-CONTROL**

Application for the remote management and control of a U-Link device. The device connects to the home wifi network using B-EBA wifi. The application can handle up to 6 users per B-EBA (administrator user + 5 guests).

B EBA WI-FI GATEWAY**B EBA WI-FI GATEWAY**

Expansion card permitting connection of a U-link device to a home Wi-Fi network. Connected operators may be remotely managed with the U-control app available for Android and IOS smartphones.

MAXIMA ULTRA 36



MAXIMA ULTRA 36

Range of professional electromechanical barriers with inverter and asynchronous three-phase motor for frequent use. Suitable for controlling gates between 2 and 6 metres in width, with fully accessorised bar in a single model. Cap with RGB lights (optional) to serve as traffic light, indicate availability of parking places and for self-diagnosis.

RADIUS LED



RADIUS LED

The flashing signal light for automatic gates, RADIUS LED by BFT, available in the 24V and 230V versions, with or without built-in receiving antenna (433.92 MHz). The 24V model with built-in antenna is available in the 2 versions with a yellow or smoked grey cap. Thanks to LED technology, energy consumption is reduced by approximately 80% compared to models with traditional incandescent light bulbs, while extending the service life of the product. Possibility of installing on a surface (such as a pillar or column) or on the wall using the special accessory. Protection rating IP44.

COMPACTA A20-180



COMPACTA A20-180

Pair of adjustable photocells, designed to offer a high level of installation flexibility thanks to their compact size, the possibility to adjust the head by 90° horizontally, left and right (180° in total), and a wide input power supply range 12-33Vac and 15-35Vdc. 20 metre nominal range.

THEA A15 O.PF UNI



THEA A15 O.PF UNI

Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc. Pair of universal photocells suitable for non-BFT automation systems, adjustable with integrated flashing light. Synchronised infrared signal to avoid any possibility of accidental dazzling. For external application. Beam can be oriented 40° horizontally and 10° vertically. Range 30 m. Power supply 24 V ac/dc.

MITTO B RCB02 2CH CUSTOMIZED



MITTO B RCB02 2CH CUSTOMIZED

Transmitter with 2 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.

MIME TX



MIME TX

Two-channel miniaturized 433 Mhz transmitter



Home remote control systems



Bft is constantly developing new technological solutions able to offer integrated systems, ensuring high flexibility as well as easy installation and maintenance. In full respect of Bft's "Ease of doing business" promise, the solutions offered feature a high level of opening and integration during installation and also later, thanks to the many possibilities of integration with building management systems (BMS).

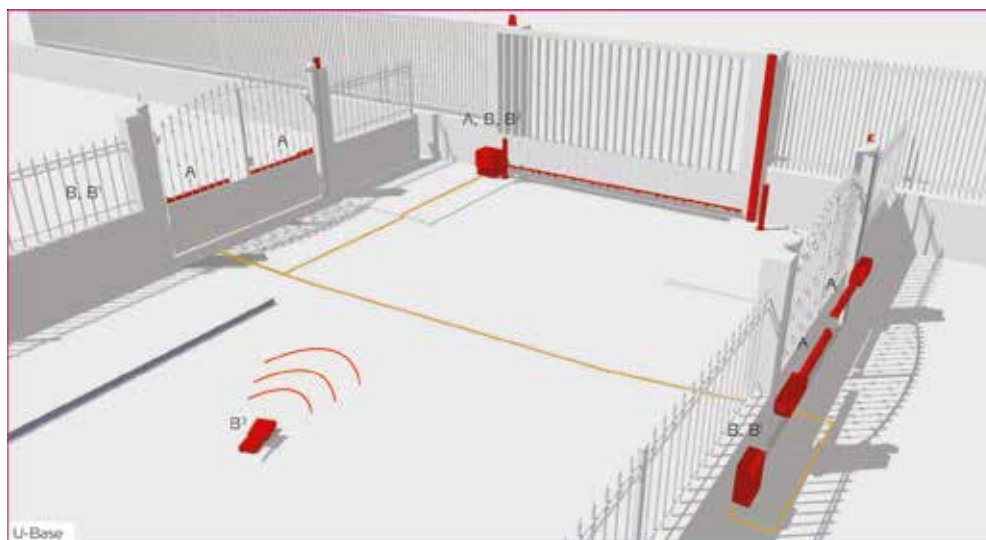
The innovative interconnectivity systems and wireless connectivity solutions in the field of access automation are proposed and supported by Bft through the new U-link system communication protocol.

To facilitate installers in creating systems and in maintenance, Bft offers solutions based on Bluetooth transmission systems. This technology is an absolutely stable standard and ensures the correct capacity as well as optimum data protection, thanks to two coding levels offered by the Bluetooth transmission system and the Bft password and cryptography system.

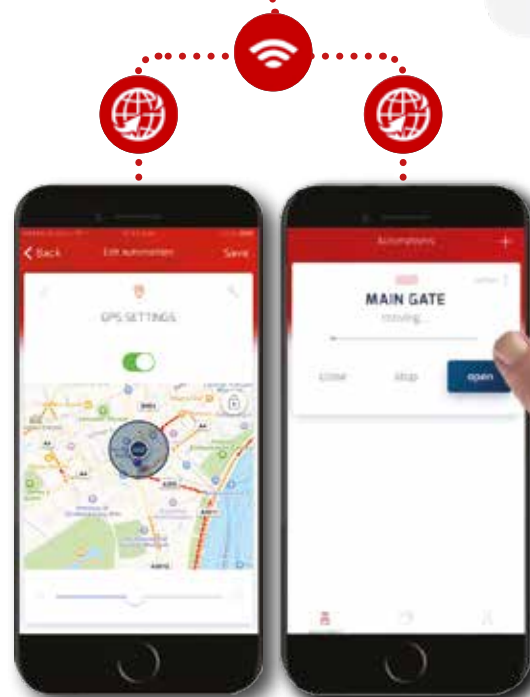
In the spirit of "tuned to you", Bft can also offer cutting-edge interconnectivity solutions to make the control of gates and accesses easy and immediate for the end-user.

Dedicated solutions and applications downloadable directly to smartphones and tablets allow you to manage the various entry gates in a flexible and dynamic way with just a touch on your device, or even be recognised by the gate itself and open the access by simply holding your smartphone in your pocket.

Installation guide



A	Operator
B	Control unit
2x0.5	
B3	PROXIMA BLUE or PC
B2	B EBA 201 R04
B1	B EBA 201 R01



PLUS



You can open, close or stop a U-link device remotely or locally with just a touch. You can instantly check gate status (open / closed / moving) using the dedicated button.



You can enter the name and references of your installer in the U-control app. In case of a system failure, the installer can be contacted directly from the U-control app, emailing also the last error detected by the central unit.



On the IOS version, GPS technology can be used to open and close the gate automatically when the owner approaches.



Other users (up to 5) can be invited to use the same gate. Invited users will be able to control the gate with the rules set by the administrator. The system sends the administrator a notification for each operation performed by the invited users; this feature can be deleted from your smartphone settings.

RECOMMENDED ACCESSORIES



P111494 - B EBA WI-FI GATEWAY

Expansion card permitting connection of a U-link device to a home Wi-Fi network. Connected operators may be remotely managed with the U-control app available for Android and IOS smartphones.



Designed according to the installer's specific needs for easy management and maintenance of the systems, the innovative U-Base software features an immediate and intuitive user interface and can operate on-line, updating data directly on connected systems or off-line operating on the information present in the local database of the computer on which it is installed. For operation, the system requires the installation of a B EBA gateway expansion card connected to the control unit and allows interfacing even wirelessly or remotely with Bft control units (U-Link compatible). The main functions include the possibility of displaying and editing control unit parameters and logics, as well as viewing the list of recorded alarms. Through an immediate graphic interface, also all the functions and parameters of the motors are monitored, displaying the threshold current, absorbed current and the position of the operator in real-time.

PLUS



The software provides user friendly management of even very complex networks

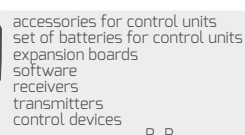
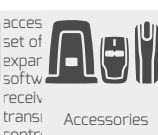
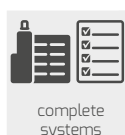
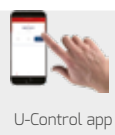
All functions and parameters are now easy to review and edit on the PC. The GUI also allows the user to review speed and absorption curves in real time.

Thanks to the U-Base Mobile version, it is also possible to manage systems remotely using an Android smartphone or tablet

Code	Name	Description	
P111510	U-BASE 2 PC	Management and programming software for Bft control units and receivers. Version for PC, Bluetooth connection	U-Link
P111523_D	U-BASE 2 ANDROID	BFT receiver and control unit management and programming software. Version for Android mobile device, Bluetooth connection	U-Link
P111718	U-BASE CLOUD 10	Software license for management of U-Base 2 system data via cloud service. Allows the management of 10 systems.	U-Link

RECOMMENDED ACCESSORIES

<p>P111494 - B EBA WI-FI GATEWAY</p> <p>Expansion card permitting connection of a U-link device to a home Wi-Fi network. Connected operators may be remotely managed with the U-control app available for Android and IOS smartphones.</p>	<p>P111469 - B EBA BLUE GATEWAY</p> <p>Expansion board for BLUETOOTH connection management</p>
<p>P111530 - B EBA RS 485 GATEWAY</p> <p>GATEWAY expansion card for management of RS 485 connection</p>	<p>P111468 - B EBA RS 485 LINK</p> <p>Expansion board for connection of central units with serial controls management</p>
<p>D113805 00002 - B EBA TCP/IP GATEWAY</p> <p>Gateway expansion card to connect automation systems in TCP/IP networks via U-Link slot. It manages up to 120 U-Link devices connected via B EBA RS-485 Link.</p>	<p>P111529 - U-PROG</p> <p>Programmer for radio control units and receivers with possibility of wired or BlueTooth connection</p>
<p>D113807 00002 - CLONIX 2E AC U-LINK 230</p> <p>433 MHz external receiver with 2 outputs with NO contact. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>	<p>D113808 00003 - CLONIX UNI AC U-LINK 230V</p> <p>433 MHz external receiver with 3 outputs: 2 with NO contact and one NO/NC configurable. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>





U-Sdk is the innovative application that can make Bft automation systems compatible and easily integrated with a BMS network for the supervision of buildings.

The system enables direct communication with all cards equipped with the new U-Link protocol, thereby ensuring communication in the building, integrated with Bft systems and other possible devices: access control, air conditioning, lighting, alarms, etc.

Up to eight configurable systems are possible, depending on the versioning, for a maximum of 960 operators integratable in the building's supervision network.

U-Sdk is also available in the “Light” version for simplified management, and in the “Full” version enabling complete integration of all the Bft card parameters.

The pack contains the CD-ROM with the application and the relevant manuals, the USB Bluetooth, the licence and quick-start.

PLUS



U-Link





Outstanding integration with BMS supervision systems and Bft U-Link compatible automation.

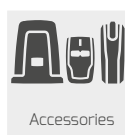
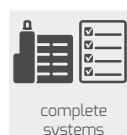
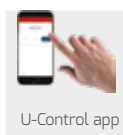


Facilitated supervision of all automation controls (open, close, start, stop, etc.), thus providing integrated monitoring of all parameters, with a full overview of diagnostics and alarms ("Full" version)



The option of creating configurable sockets allows commands to be modulated to handle information about the system number, operations and the operator/group of operators being controlled. Available system access-point are automatically detected by Bluetooth.

Code	Name	Description	
P111514 00002	U-SDK FULL 2	U-Sdk is the innovative application that can make Bft automation systems compatible and easily integrated with a BMS network for the supervision of buildings.	 U-Link
P111514 00008	U-SDK FULL 8	U-Sdk is the innovative application that can make Bft automation systems compatible and easily integrated with a BMS network for the supervision of buildings.	 U-Link
P111513 00002	U-SDK LIGHT 2	U-Sdk is the innovative application that can make Bft automation systems compatible and easily integrated with a BMS network for the supervision of buildings.	 U-Link
P111513 00008	U-SDK LIGHT 8	U-Sdk is the innovative application that can make Bft automation systems compatible and easily integrated with a BMS network for the supervision of buildings.	 U-Link



- accessories for control units
- set of batteries for control units
- expansion boards
- software
- receivers
- transmitters
- control devices
- control devices

- P P signalling devices
- P P safety devices - photocells and accessories
- P P safety devices - sensitive edges
- P P rubber profiles
- P P solenoid locks
- P P release systems
- P P
- P P
- P P



An innovative application for access automation management with just a tap on your mobile phone or smartphone (Android and iOS operating system). Operation is in manual mode requiring confirmation by the user before opening, and in automatic mode allowing opening only by approaching the gate. Maximum flexibility and modularity over time: Blue Entry lets you control and nominate up to 4 different accesses, assigning the most convenient manual/automatic opening mode for each. Maximum control and protection of accesses, thanks to the high data encryption guaranteed by the Bluetooth standard and by passwords for accessing the Bluetooth expansion card installed in the Bft control unit. With the special "POWER SAVING FUNCT. (Android) and BLUETOOTH LOW ENERGY (iOS)", Blue Entry allows you to optimise and extend the battery life of the device and ensure efficient operation over time.

PLUS



Operation is easy and intuitive, thanks to automatic gate detection by the smartphone and the guided GUI.




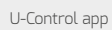
The automatic gate opening function means trying to find your keys or remote is a thing of the past, and opening the gate is no longer a problem when you have your hands full with the shopping, for example, or while riding a motorcycle.



The system uses the Bluetooth technology, the communications standard for mobile devices, which ensures secure access and cost free operation.

RECOMMENDED ACCESSORIES

 P111531 - B EBA BLUE ENTRY ANDROID 4 BLUE-TOOTH expansion card for Blue Entry system. Manages up to 4 smartphones with the Android operating system	 P111532 - B EBA BLUE ENTRY ANDROID 8 BLUE-TOOTH expansion card for Blue Entry system. Manages up to 8 smartphones with the Android operating system
 P111533 - B EBA BLUE ENTRY ANDROID 16 BLUE-TOOTH expansion card for Blue Entry system. Manages up to 16 smartphones with the Android operating system	 P111748 00002 - B EBA BLUE ENTRY IOS LE 4 BLUE-TOOTH expansion card for Blue Entry system (max 4 Android smartphones)
 P111748 00001 - B EBA BLUE ENTRY IOS LE 8 BLUE-TOOTH expansion card for Blue Entry system (max 8 Android smartphones)	 P111748 - B EBA BLUE ENTRY IOS LE 16 BLUE-TOOTH expansion card for Blue Entry system (max 16 Android smartphones)
 D113808 00003 - CLONIX UNI AC U-LINK 230V 433 MHz external receiver with 3 outputs: 2 with NO contact and one NO/NC configurable. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory	 D113807 00002 - CLONIX 2E AC U-LINK 230 433 MHz external receiver with 2 outputs with NO contact. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory



P. P. P. P. P. P. P. P. P. P.

P. P.
P. P.
P. P.
P. P.
P. P.
P. P.

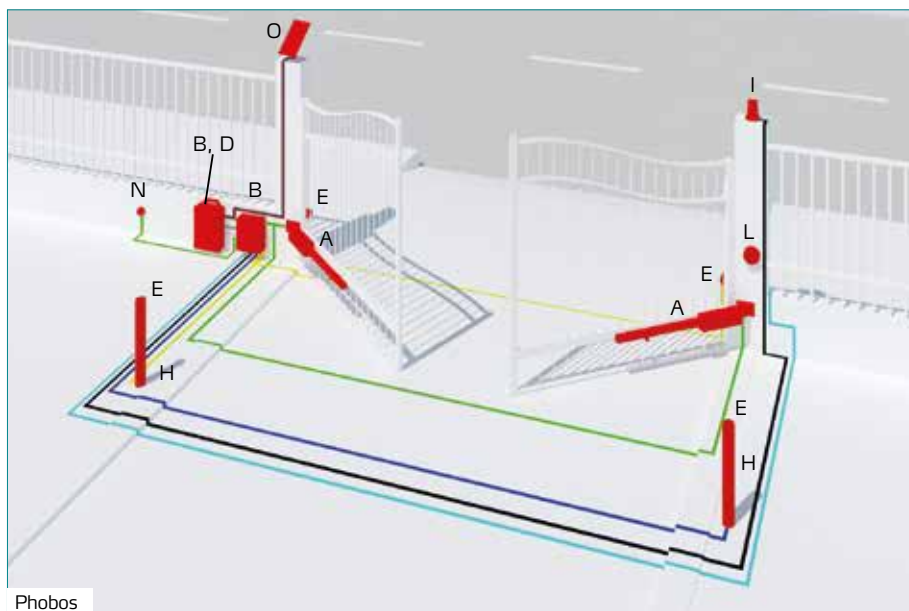


Electromechanical automation systems for swing gates

Guide to choosing

Max. width of door/ gate wing	Max. weight of door/ gate wing	Maximum angle	Motor voltage	Frequency of use	Kit	Operator	Plus	
electromechanically operated swing gates								
2,50 m	400 kg	116 °	24 V	intensive	-	PHOBOS BT A25	Magnetic limit switch	
		118 °			•	PHOBOS BT KIT A25 FRA	Magnetic limit switch	
					-	KUSTOS BT A25	Covered worm screw Magnetic limit switch	
					•	KUSTOS BT KIT A25 FRA	Covered worm screw Magnetic limit switch	
					-	KUSTOS ULTRA BT A25	Covered worm screw Magnetic limit switch	
					•	KUSTOS ULTRA BT KIT A25 FRA	Covered worm screw Magnetic limit switch	
	700 kg	120 °	120 V	Semi intensive	-	PHOBOS AC A25 120 V	Working time limit switch	
			230 V		-	PHOBOS AC A25	Working time limit switch	
		110 °			•	PHOBOS AC KIT A25 FRA	Working time limit switch	
					-	ATHOS AC A25 AR		
2 m	150 kg		110 °	24 V	intensive	-	ATHOS AC A25 AL	
	•	ATHOS AC KIT A25 EU						
4 m	400 kg	124 °	230 V	Semi intensive	-	HIDE SW	Absolute encoder limit switch	
	500 kg				126 °	-	ATHOS AC A40 AR	
						-	ATHOS AC A40 AL	
		•	ATHOS AC KIT A40 EU					
		-	PHOBOS BT A40	Magnetic limit switch				
		•	PHOBOS BT KIT A40 FRA	Magnetic limit switch				
		-	KUSTOS BT A40	Covered worm screw Magnetic limit switch				
		•	KUSTOS BT KIT A40 FRA	Covered worm screw Magnetic limit switch				
	-	KUSTOS ULTRA BT A40	Covered worm screw Magnetic limit switch					
	•	KUSTOS ULTRA BT KIT A40 FRA	Covered worm screw Magnetic limit switch					
5 m		129 °	120 V	Semi intensive	-	PHOBOS AC A50 120V	Working time limit switch	
230 V			-		PHOBOS AC A50	Working time limit switch		
electromechanical swing operators with articulated arm								
1,20 m	80 kg	130 °	24 V	Residential	-	E5 BT A12		
1,80 m	100 kg				-	E5 BT A18		
2 m	200 kg	120 °		Semi intensive	-	VIRGO SMART BT A 20	Limit switch Electromechanical	
					-	VIRGO SMART BT A 20 SLAVE	Limit switch Electromechanical	
					•	VIRGO SMART BT A 20 KIT INT	Limit switch Electromechanical	
2,50 m	250 kg	125 °		intensive	-	IGEA BT	Limit switch Electromechanical	
					•	IGEA BT KIT FRA THALIA	Limit switch Electromechanical	
					-	IGEA	Limit switch Electromechanical	
					•	IGEA KIT FRA	Limit switch Electromechanical	
swing gates with underground electromechanical operator								
3,50 m	---	120 °	24 V	intensive	-	ELI BT A35 VELOCE	Relative encoder limit switches	
230 V			-		ELI AC A35 VELOCE	Magnetic limit switches - Optional		
4 m			24 V	Continuous	-	ELI BT A40	Relative encoder limit switches	
			230 V	intensive	-	ELI AC A40	Magnetic limit switches - Optional	

Installation guide



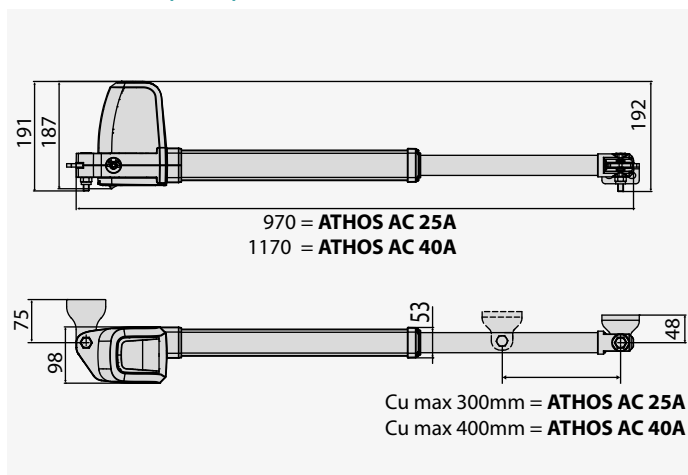
Phobos

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Flashing Beacon
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
O	Solar panel
—	2x1.5
—	3x1.5
—	RG 58
—	5x1
—	2x1
—	9x0.5
—	4x2.5



Thanks to the structure made of die-cast aluminium shells and to the high quality materials, such as the worm screw transmission system and the bronze crown, the Athos operator range ensures maximum strength, reliability and resistance over time. Quick to install, Athos also ensures maximum comfort, thanks to fast opening and closing combined with extremely silent operation. Non-reversible operator for residential use; the emergency manoeuvre is always easy thanks to unlocking with triangular key.

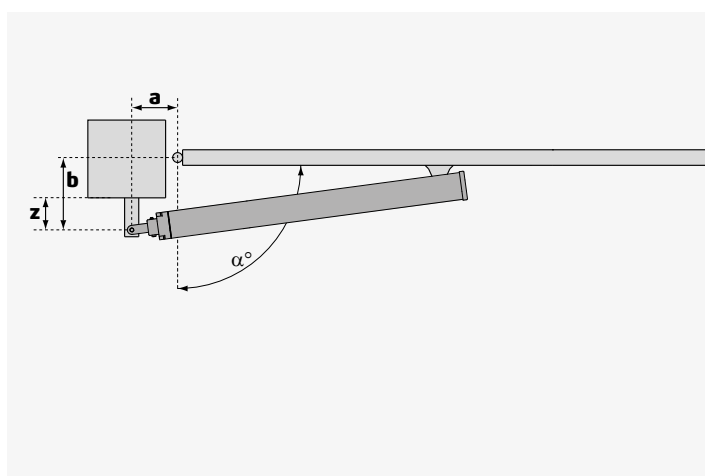
Dimension (mm)



INSTALLATION DIMENSIONS

ATHOS AC 25A	
$z > 60$ (mm)	a (mm)
	80 90 100 110 120 130 140 150 160 170 180 190 200 210 220
80	90 95 100 105 110 115 119 120 115 110 106 102 99 96 94
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera	
90	90 98 100 102 106 110 116 114 110 106 102 99 96 94
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera	
100	90 99 105 105 109 113 116 112 106 101 99 95 93
110	90 97 103 104 108 112 114 107 102 99 95 93
120	90 95 102 104 107 110 109 102 99 95 92
130	90 94 101 103 106 109 105 98 95 91
140	90 93 100 102 105 103 98 94 91
150	90 92 99 101 104 98 94 90
160	90 92 98 100 99 93 90
170	90 92 97 96 92
180	90 92 96 91
190	90 92 91
200	90 90
	α°

ATHOS AC 40A	
$z > 60$ (mm)	a (mm)
	80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240
80	90 95 100 105 110 115 119 120 124 125 129 130 132 127 122 117 113
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera	
90	90 98 100 102 106 110 116 119 122 125 129 132 131 124 118 114 110
accorciare staffa posteriore / shorten back bracket / raccourcir l'étrier postérieur / acortar la abrazadera trasera	
100	90 99 105 105 109 113 116 118 120 123 125 128 127 120 115 110 108
110	90 97 103 104 108 112 114 116 118 120 123 125 120 115 110 108
120	90 95 102 104 107 110 112 115 117 120 121 122 118 113 108
130	90 94 101 103 106 108 110 114 116 119 120 119 114 109
140	90 93 100 102 105 106 108 112 115 118 119 115 110
150	90 92 99 101 103 104 107 111 114 117 116 110
160	90 92 98 100 102 104 107 110 112 115 111
170	90 92 97 99 101 103 106 109 110 112
180	90 92 96 98 100 102 105 108 110
190	90 92 96 98 100 102 104 108
200	90 91 94 97 99 101 103
210	90 91 94 97 99 101
220	90 91 94 97 99
230	90 91 93 96
240	90 91 93
	α°



Technical features

	ATHOS AC A25 AR	ATHOS AC A25 AL	ATHOS AC A40 AR	ATHOS AC A40 AL
Control unit	ALENA SW2	ALENA SW2	ALENA SW2	ALENA SW2
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V
Power consumption	280 W	280 W	280 W	280 W
Max. width of door/gate wing	2,50 m	2,50 m	4 m	4 m
Max. weight of door/gate wing	700 kg	700 kg	400 kg	400 kg
Useful rod stroke	300 mm	300 mm	400 mm	400 mm
Maximum angle	110 °	110 °	110 °	110 °
Cycle time	14 s	14 s	16 s	16 s
Type of limit switch	work time	work time	work time	work time
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Triangle key	Triangle key	Triangle key	Triangle key
Impact reaction	Electronic clutch	Electronic clutch	Electronic clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP54	IP54	IP54	IP54
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name		Description
P935108 00002	ATHOS AC A25 AR		Irreversible electromechanical operator 230 V for swing gates weighing up to 700 kg and 2.5 m long. Motor right.
P935109 00002	ATHOS AC A25 AL		Irreversible electromechanical operator 230 V for swing gates weighing up to 700 kg and 2.5 m long. Motor left.
P935115 00002	ATHOS AC A40 AR		Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 4 m long. Motor right.
P935116 00002	ATHOS AC A40 AL		Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 4 m long. Motor left.
R935339 00002	ATHOS AC KIT A25 EU		Complete kit 230 V for swing gates up to 700 kg in weight and 2.5 m in length.
R935344 00002	ATHOS AC KIT A40 EU		Complete kit 230 V for swing gates up to 400 kg in weight and 4 m in length.

ALENA SW2: Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors

D113811 00004 - ALENA SW2 - Recommended













- Application: control panel for one or two operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 400W max each operator
- Main features: programming of trimmer and dip-switch, removable terminal block with standard colouring, integrated radio receiver, remote controlled pedestrian opening. Soft opening and closing (only with electromechanical motor), management of resistive safety edges 8K2/contact, management of verified safety devices, management of electronic locks, electronic control of motor torque (only with electromechanical motor), pressure surge when opening.
- Main functions: stays locked when closed, 3/4 step logic, partial opening, fast closing and self-diagnostics
- Compatibility: ALTAIR and ARIES

RECOMMENDED ACCESSORIES

	D113811 00003 - ALENA SW2 120V		N999724 - PLE ATHOS
	ALENA SW2 120V control panel		Anchor plate for welding the mountings to masonry pillars for ATHOS operators
	D610180 - CLS		N190104 - BIR C
	Triangular release key l=52 mm		Rubber safety edge (H 30 mm), price per m
	P111401 00001 - VENTIMIGLIA NS		D111013 - ME
	Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)		Control board for 12Vac solenoid lock for 230V automation systems
	D121018 - ECB VERTICALE		D114093 00002 - RADIUS LED AC A R1
	Vertical solenoid lock, 12/24 V		Flashing light with incorporated antenna for motors with power supply 230 V.
	D114094 00002 - RADIUS LED AC A R0		P123026 - B 00 R01
	Flashing light without incorporated antenna for motors with power supply 230 V.		Metal guard for B LTA
	P123025 - B 00 R02		D111904 - MITTO B RC02 R1
	Wall mounting for B LTA series flashing beacons		Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A




RECOMMENDED ACCESSORIES

 <p>P121022 - Q.BO KEY WM</p> <p>Key selector for outdoor use with double contact.</p>	 <p>P121023 - Q.BO KEY WM AV</p> <p>Vandalproof key selector with metal structure.</p>
 <p>P121024 - Q.BO TOUCH</p> <p>Wireless digital touch button panel 433 MHz rolling code.</p>	 <p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>
 <p>new P903028 - PHP A</p> <p>Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm</p>	 <p>new R400009 - KIT COMPACTA - PHP</p> <p>Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 – 33Vac / 15 – 35Vdc</p>
 <p>P123001 00001 - EBP</p> <p>230 V electric drop lock</p>	 <p>P123001 00013 - EBP 24</p> <p>24 V solenoid lock, with 230/24 V transformer installable in control panel</p>
 <p>P111052 - CM1700</p> <p>Mechanical safety edge, length 1.7 m</p>	 <p>P111053 - CM2000</p> <p>Mechanical safety edge, length 2 m</p>



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

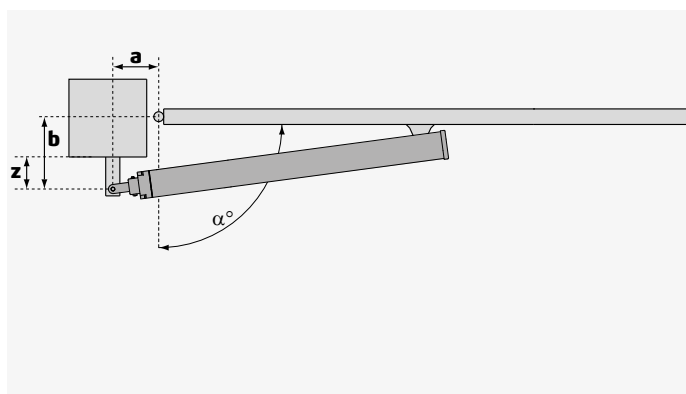
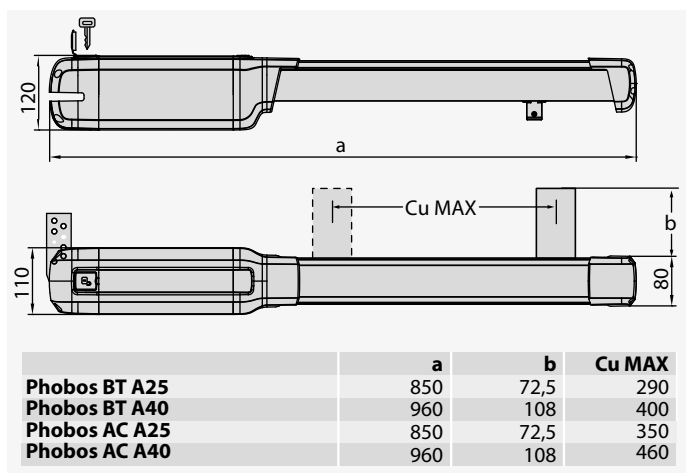
accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



Complete range of electro-mechanical pistons for residential use, suitable for swing gates up to 5 metres in length and up to 500 kg in weight. Simplified and intuitive wiring: the new ALENA control units allow slowdowns, are equipped with standardised and coloured terminal blocks for the simple connection of operators and accessories.

Dimension (mm)



INSTALLATION DIMENSIONS

PHOBOS AC A25										
z > 60 (mm)	a (mm)									
	100	110	120	130	140	150	160	170	180	
b (mm)	100				114	116	120	123	123	115
	110				112	116	119	122	119	110
	120				111	114	117	120	123	
	130			107	110	113	116	116		
	140		102	106	109	112	115	110		
	150		101	105	108	111	110			
	160	98	101	104	107	110				
	170	97	100	103	106					
	180	97	99	102						
	190	96	99							
	200	96								α°

PHOBOS AC A50															
z > 60 (mm)		a (mm)													
		100	110	120	130	140	150	160	170	180	190	200	210	220	230
b (mm)	130	97	100	104	108	111	115	118	120	123	125	127	129	125	120
	140	97	100	105	108	111	114	117	119	122	124	126	125	120	116
	150	98	101	105	108	111	113	116	118	121	123	125	120	116	112
	160	98	101	104	107	110	113	115	118	120	122	124	118	113	110
	170	97	100	103	106	109	112	114	117	119	121	123	115	111	
	180	97	100	103	105	108	111	113	116	118	118	118	113		
	190	97	100	102	104	107	110	112	115	117	113	114			
	200	96	99	101	103	106	109	111	114	116	115				
	210	96	98	101	103	106	108	110	112	115					
	220	95	98	101	103	106	108	109	111						
230	95	98	100	102	105	107	109								
240	95	97	99	101	104	105									
250	94	96	99	100	103										
260	94	96	98	100										α°	

Technical features

	PHOBOS AC A25	PHOBOS AC A50	PHOBOS AC A50 120V	PHOBOS AC A25 120 V
Control unit	RIGEL 6, ALENA SW2	RIGEL 6, ALENA SW2	ALENA SW2	ALENA SW2
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	120 V	120 V
Power consumption	210 W	210 W	210 W	210 W
Max. width of door/gate wing	2,50 m	5 m	5 m	2,50 m
Max. weight of door/gate wing	400 kg	500 kg	500 kg	400 kg
Useful rod stroke	350 mm	460 mm	460 mm	350 mm
Maximum angle	120 °	129 °	129 °	120 °
Cycle time	14 s	18 s	18 s	14 s
Type of limit switch	work time	work time	work time	work time
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key
Impact reaction	Electronic clutch	Electronic clutch	Electronic clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IPX4	IPX4	IPX4	IPX4
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description
P935098 00002	PHOBOS AC A25	Irreversible electromechanical operator 230 V for swing gates weighing up to 400 kg and 2.5 m long. Working time limit switch
P935097 00002	PHOBOS AC A50	Irreversible electromechanical operator 230 V for swing gates weighing up to 500 kg and 5 m long. Working time limit switch
P935097 00001	PHOBOS AC A50 120V	Irreversible electromechanical operator 120 V for swing gates weighing up to 500 kg and 5 m long. Working time limit switch
R935304 00003	PHOBOS AC KIT A25 FRA	Complete kit 230 V for swing gates up to 400 kg in weight and 2.5 m in length. Working time limit switch
P935098 00001	PHOBOS AC A25 120 V	Irreversible electromechanical operator 120 V for swing gates weighing up to 400 kg and 2.5 m long. Working time limit switch

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

RECOMMENDED ACCESSORIES

<p>D113811 00004 - ALENA SW2</p> <p>Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors</p>	<p> N733427 - ARB PHOBOS N</p> <p>Front and rear adjustable bracket for PHOBOS operator</p>
<p> N733428 - ARB PHOBOS N L</p> <p>Front and rear adjustable bracket for PHOBOS operator</p>	<p> N733427 00001 - ARB PHOBOS 25</p> <p>Adjustable front mounting bracket, Phobos A 25</p>
<p> N733428 00001 - ARB PHOBOS 40</p> <p>Adjustable front mounting bracket, Phobos A 40</p>	<p> N735002 - SFR B</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)</p>
<p> N735003 - SFR-L B</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)</p>	<p> N735002 00001 - SFR B - COMPLETA</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>
<p> N735003 00001 - SFR-L B - COMPLETA</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>	<p>D730178 - PLE</p> <p>Anchor plate for welding the mountings to masonry pillars for LUX, ORO, PHOBOS operators</p>
<p> D114094 00002 - RADIUS LED AC A RO</p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>	<p> D114093 00002 - RADIUS LED AC A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>
<p> P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>	



rolling code



er ready



ee link



d-track



24 V



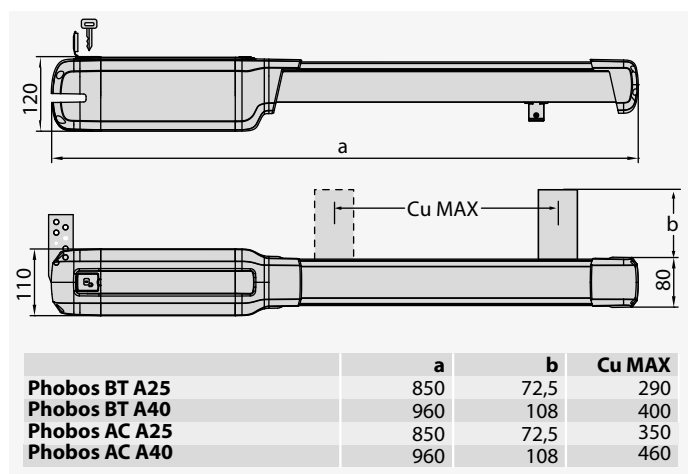
U-Link



Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg.

Obstacle detection: the management and control system of the D-Track pair ensures maximum safety for people and property, as well as facilitating certification of the system

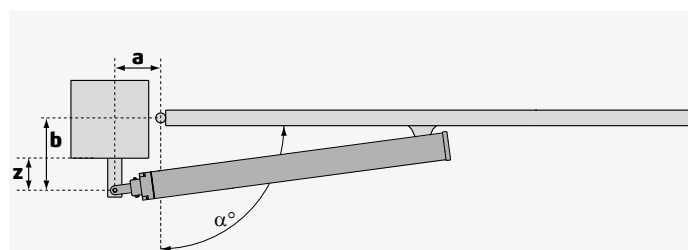
Dimension (mm)



INSTALLATION DIMENSIONS

PHOBOS BT A25								
z > 60 (mm)	a (mm)							
	100	110	120	130	140	150	160	170
b (mm)	100			114	116	108	102	97
	110			112	108	103	98	95
	120			111	105	99	95	
	130		107	105	100	95	92	
	140		105	100	95	92		
	150	105	100	95	92			
	160	101	95	92	89			
	170	101	93	91	89			
	180	92	90	88				
	190	90	87					
	200	87						α°

PHOBOS BT A40															
z > 60 (mm)	a (mm)														
	100	110	120	130	140	150	160	170	180	190	200	210	220	230	
b (mm)	130	100	104	107	110	113	116	119	121	124	123	114	109	104	101
	140	100	103	106	109	112	115	118	120	122	116	110	107	102	98
	150	99	102	105	108	111	114	117	119	120	112	106	102	98	95
	160	98	101	105	107	110	113	115	116	114	109	103	99	96	
	170	97	110	104	107	109	112	114	113	109	105	100	96	93	
	180	97	100	103	106	108	111	113	109	105	100	97	93		
	190	97	100	102	105	107	109	112	106	101	96	93			
	200	97	99	101	104	106	106	106	100	97	93				
	210	96	98	101	103	106	104	103	97	92					
	220	96	98	101	103	105	101	97	93						
	230	96	98	101	103	105	97	93							
	240	95	97	99	99	96	92								
	250	95	97	97	95	91									
	260	95	97	95	91										



Technical features

	PHOBOS BT A25	PHOBOS BT A40
Control unit	THALIA, ZARA	THALIA, ZARA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	40 W	40 W
Max. width of door/gate wing	2,50 m	4 m
Max. weight of door/gate wing	400 kg	500 kg
Useful rod stroke	290 mm	400 mm
Maximum angle	116 °	124 °
Cycle time	15 s	20 s
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	D-Track	D-Track
Frequency of use	intensive	intensive
Protection rating	IPX4	IPX4
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description
P935096 00002	PHOBOS BT A25	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 2.5 m long. Magnetic limit switch
P935095 00002	PHOBOS BT A40	Irreversible electromechanical operator 24 V for swing gates weighing up to 500 kg and 4 m long. Magnetic limit switch
R935306 00005	PHOBOS BT KIT A25 FRA	Complete kit 24 V for swing gates up to 400 kg in weight and 2.5 m in length. Magnetic limit switch
R935309 00005	PHOBOS BT KIT A40 FRA	Complete kit 24 V for swing gates up to 500 kg in weight and 4 m in length. Magnetic limit switch

THALIA: Control panel with display for one or two 24V electromechanical operators for swing gates



D113745 00002 - THALIA - Recommended



- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

RECOMMENDED ACCESSORIES

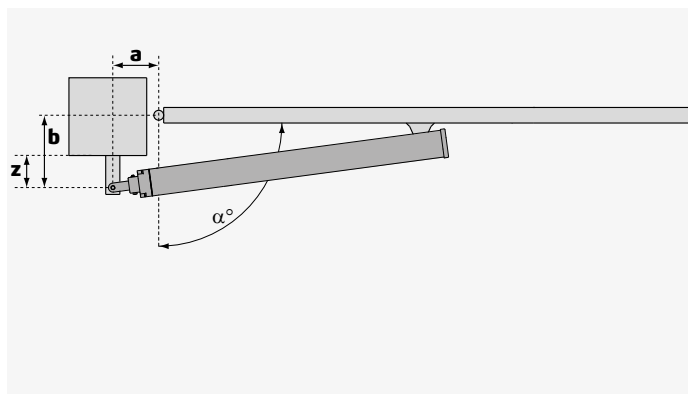
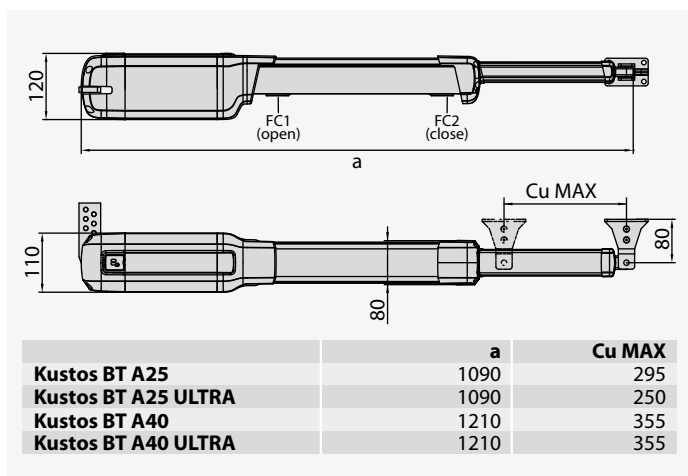
<p>D113747 00002 - THALIA P</p> <p>Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems</p>	<p>D113796 00002 - ZARA BT L2</p> <p>Control panel with dip switches and potentiometers for one or two 24V operators for swing gates</p>
<p>N733427 - ARB PHOBOS N</p> <p>Front and rear adjustable bracket for PHOBOS operator</p>	<p>N733428 - ARB PHOBOS N L</p> <p>Front and rear adjustable bracket for PHOBOS operator</p>
<p>new N733427 00001 - ARB PHOBOS 25</p> <p>Adjustable front mounting bracket, Phobos A 25</p>	<p>new N733428 00001 - ARB PHOBOS 40</p> <p>Adjustable front mounting bracket, Phobos A 40</p>
<p>new N735002 - SFR B</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)</p>	<p>new N735003 - SFR-L B</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)</p>
<p>new N735002 00001 - SFR B - COMPLETA</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>	<p>new N735003 00001 - SFR-L B - COMPLETA</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>
<p>D730178 - PLE</p> <p>Anchor plate for welding the mountings to masonry pillars for LUX, ORQ, PHOBOS operators</p>	<p>P125020 - BBT BAT</p> <p>Set of backup batteries for THALIA and THALIA P</p>
<p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>	<p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>
<p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>	<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>



Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg.

Quick and practical installation: the new KUSTOS BT A operators are designed to allow a quick and easy installation thanks to a numbers of important measures such as the magnetic limit switches and the magnetic locking pin.

Dimension (mm)



INSTALLATION DIMENSIONS

KUSTOS BT A 25 - KUSTOS ULTRA BT A 25										
z > 60 (mm)	a (mm)									
	100	110	120	130	140	150	160	170	180	190
b (mm)	100			114	118	110	104	100	96	93
	110			108	112	110	103	97	96	92
	120		103	107	110	105	99	96	92	
	130	99	102	106	109	101	96	92		
	140	98	101	103	102	96	92			
	150	97	100	100	95	92				
	160	97	100	97	92					
	170	96	97	92						
	180	96	92							
	190	92								α°

KUSTOS BT A 40 - KUSTOS ULTRA BT A 40													
z > 60 (mm)	a (mm)												
	100	110	120	130	140	150	160	170	180	190	200	210	220
b (mm)	100				117	120	123	126	119	113	108	104	101
	110				112	116	119	121	122	116	110	105	105
	120			107	110	114	117	120	117	111	106	102	
	130		103	106	109	113	116	117	113	107	102		
	140	97	102	105	108	112	115	113	110	103			
	150	97	101	104	107	110	113	110	104				
	160	97	100	104	107	109	110	105					
	170	96	100	103	106	108	105						
	180	96	100	103	106	107							
	190	96	99	102	105								
	200	96	98	101									
	210	95	98										
	220	95											α°

Technical features

	KUSTOS BT A25	KUSTOS BT A40
Control unit	THALIA	THALIA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	40 W	40 W
Max. width of door/gate wing	2,50 m	4 m
Max. weight of door/gate wing	400 kg	500 kg
Useful rod stroke	295 mm	355 mm
Maximum angle	118 °	126 °
Cycle time	13 s	17 s
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	D-Track	D-Track
Frequency of use	intensive	intensive
Protection rating	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description
P935099 00002	KUSTOS BT A25	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 2.5 m long. Covered worm screw Magnetic limit switch
P935100 00002	KUSTOS BT A40	Irreversible electromechanical operator 24 V for swing gates weighing up to 500 kg and 4 m long. Covered worm screw Magnetic limit switch
R935307 00005	KUSTOS BT KIT A25 FRA	Complete kit 24 V for swing gates up to 400 kg in weight and 2.5 m in length. Covered worm screw Magnetic limit switch
R935310 00005	KUSTOS BT KIT A40 FRA	Complete kit 24 V for swing gates up to 500 kg in weight and 4 m in length. Covered worm screw Magnetic limit switch

THALIA: Control panel with display for one or two 24V electromechanical operators for swing gates



D113745 00002 - THALIA - Recommended



- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

RECOMMENDED ACCESSORIES

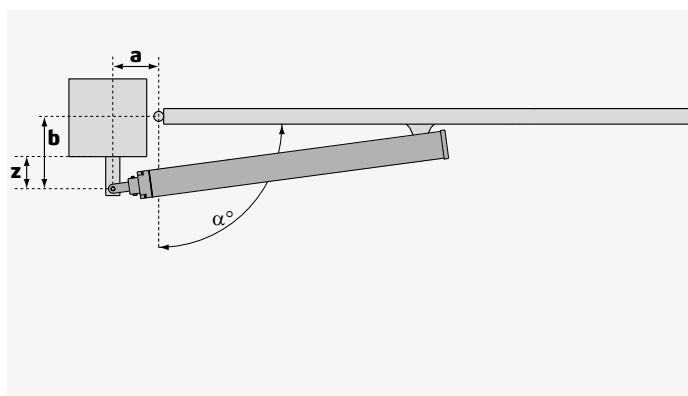
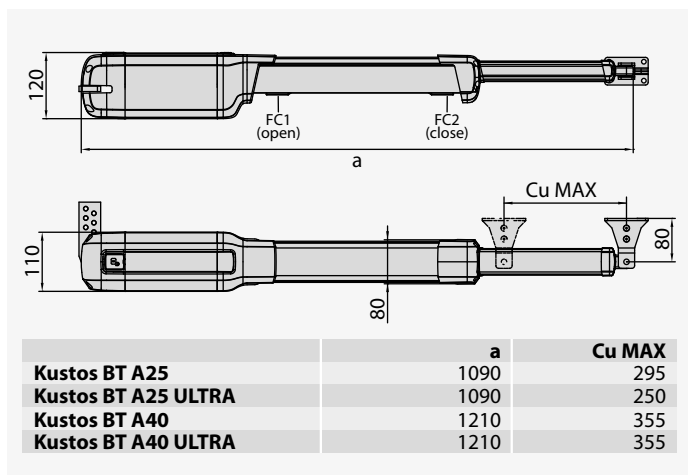
<p>D113747 00002 - THALIA P</p> <p>Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems</p>	<p>D113796 00002 - ZARA BT L2</p> <p>Control panel with dip switches and potentiometers for one or two 24V operators for swing gates</p>
<p>N733646 - ARB KUSTOS FRONT</p> <p>Front adjustable fixing brackets for Kustos BT A</p>	<p>new N735002 - SFR B</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)</p>
<p>new N735003 - SFR-L B</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)</p>	<p>new N735002 00001 - SFR B - COMPLETA</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>
<p>new N735003 00001 - SFR-L B - COMPLETA</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>	<p>D730178 - PLE</p> <p>Anchor plate for welding the mountings to masonry pillars for LUX, ORO, PHOBOS operators</p>
<p>N999404 - CABLE N BT</p> <p>Control unit connecting cable for PHOBOS BT A, KUSTOS BT A. Coil of 100 m, 3x1,5.</p>	<p>P125020 - BBT BAT</p> <p>Set of backup batteries for THALIA and THALIA P</p>
<p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>	<p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>
<p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>	<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>



Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg.

Quick and practical installation: the new KUSTOS BT A operators are designed to allow quick and easy installation, thanks to a number of important measures such as the covered worm screw, integrated stops, magnetic limit switches and the magnetic locking pin.

Dimension (mm)



INSTALLATION DIMENSIONS

KUSTOS BT A 25 - KUSTOS ULTRA BT A 25											
z > 60 (mm)	a (mm)										
	100	110	120	130	140	150	160	170	180	190	
b (mm)	100				114	118	110	104	100	96	93
	110			108	112	110	103	97	96	92	
	120		103	107	110	105	99	96	92		
	130	99	102	106	109	101	96	92			
	140	98	101	103	102	96	92				
	150	97	100	100	95	92					
	160	97	100	97	92						
	170	96	97	92							
	180	96	92								
	190	92									α°

KUSTOS BT A 40 - KUSTOS ULTRA BT A 40														
z > 60 (mm)	a (mm)													
	100	110	120	130	140	150	160	170	180	190	200	210	220	
b (mm)	100					117	120	123	126	119	113	108	104	101
	110				112	116	119	121	122	116	110	105	105	
	120			107	110	114	117	120	117	111	106	102		
	130		103	106	109	113	116	117	113	107	102			
	140	97	102	105	108	112	115	113	110	103				
	150	97	101	104	107	110	113	110	104					
	160	97	100	104	107	109	110	105						
	170	96	100	103	106	108	105							
	180	96	100	103	106	107								
	190	96	99	102	105									
	200	96	98	101										
	210	95	98											
220	95												α°	

Technical features

	KUSTOS ULTRA BT A25	KUSTOS ULTRA BT A40
Control unit	THALIA	THALIA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	40 W	40 W
Max. width of door/gate wing	2,50 m	4 m
Max. weight of door/gate wing	400 kg	500 kg
Useful rod stroke	250 mm	355 mm
Maximum angle	118 °	126 °
Cycle time	13 s	17 s
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	D-Track	D-Track
Frequency of use	intensive	intensive
Protection rating	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description
P935101 00002	KUSTOS ULTRA BT A25	Irreversible electro-mechanical operator 24 V for swing gates up to 400 kg in weight and up to 2.5 m in length with covered worm screw. Integrated mechanical stops. Covered worm screw Magnetic limit switch
P935102 00002	KUSTOS ULTRA BT A40	Irreversible electro-mechanical operator 24 V for swing gates up to 500 kg in weight and up to 4 m in length with covered worm screw. Integrated mechanical stops. Covered worm screw Magnetic limit switch
R935308 00005	KUSTOS ULTRA BT KIT A25 FRA	Complete kit 24 V for swing gates up to 400 kg in weight and up to 2.5 m in length. Operators with covered worm screw (IP44). Integrated mechanical stops. Covered worm screw Magnetic limit switch
R935311 00005	KUSTOS ULTRA BT KIT A40 FRA	Complete kit 24 V for swing gates up to 500 kg in weight and up to 4 m in length. Operators with covered worm screw (IP44). Integrated mechanical stops. Covered worm screw Magnetic limit switch

THALIA: Control panel with display for one or two 24V electromechanical operators for swing gates



D113745 00002 - THALIA - Recommended



- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

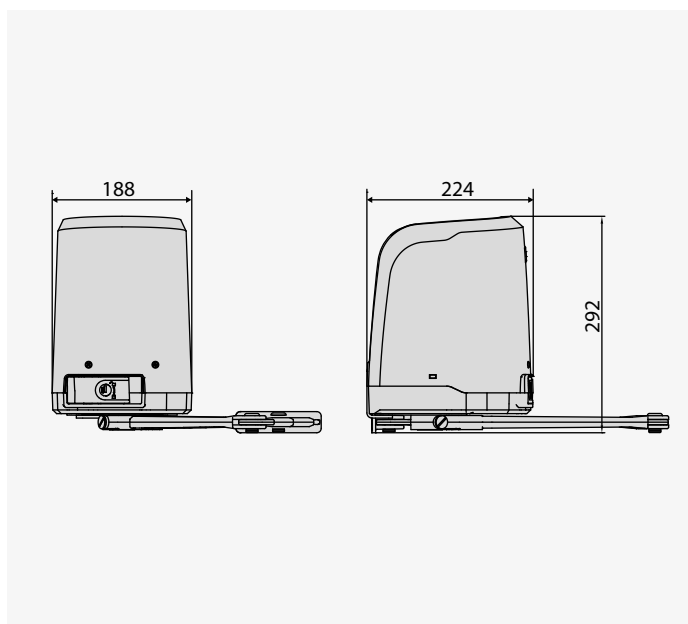
RECOMMENDED ACCESSORIES

<p>D113747 00002 - THALIA P</p> <p>Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems</p>	<p>N733646 - ARB KUSTOS FRONT</p> <p>Front adjustable fixing brackets for Kustos BT A</p>
<p>D730178 - PLE</p> <p>Anchor plate for welding the mountings to masonry pillars for LUX, ORO, PHOBOS operators</p>	<p>new N735002 - SFR B</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)</p>
<p>new N735003 - SFR-L B</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)</p>	<p>new N735002 00001 - SFR B - COMPLETA</p> <p>Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>
<p>new N735003 00001 - SFR-L B - COMPLETA</p> <p>Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket</p>	<p>N999404 - CABLE N BT</p> <p>Control unit connecting cable for PHOBOS BT A, KUSTOS BT A. Coil of 100 m, 3x1.5.</p>
<p>P125020 - BBT BAT</p> <p>Set of backup batteries for THALIA and THALIA P</p>	<p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>
<p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>	<p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>
<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>	

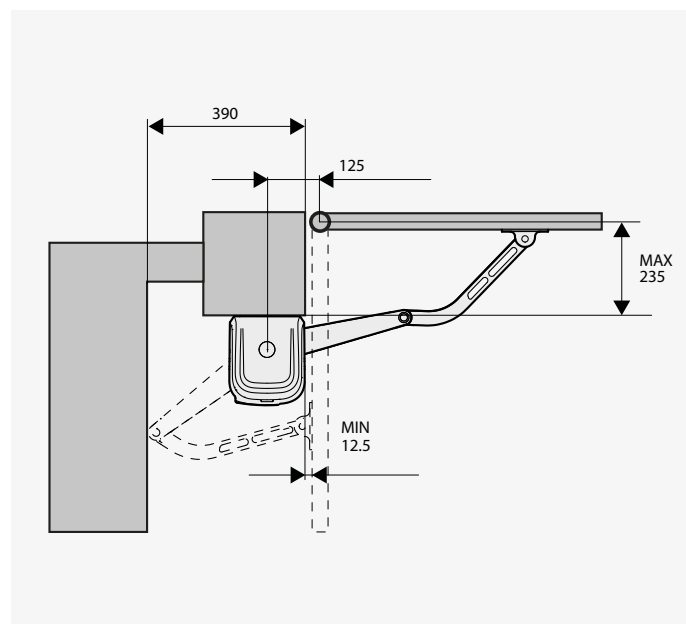


Electromechanical operator with articulated arm for residential use, for swing gate leaves of up to 2 metres and 200 kg. Ideal for any installation requirements, makes it easy to solve problems linked to large pillars thanks to the lever system. Operator-integrated control unit, limit switch and mechanical stops.

Dimension (mm)



INSTALLATION DIMENSIONS



Technical features

	VIRGO SMART BT A 20	VIRGO SMART BT A 20 SLAVE
Control unit	THALIA	---
Board power supply	230 V	---
Motor voltage	24 V	24 V
Power consumption	110 W	110 W
Max. width of door/gate wing	2 m	2 m
Max. weight of door/gate wing	200 kg	200 kg
Maximum angle	120 °	120 °
Cycle time	14 s	14 s
Type of limit switch	Electromechanical	Electromechanical
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Personal key	Personal key
Impact reaction	Electronic torque limiter	Electronic torque limiter
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description	
P930129 00002	VIRGO SMART BT A 20	Non-reversible 24 V electro-mechanical operator for swing gates weighing up to 200 kg and up to 2 m long, with integrated control unit. Limit switch Electromechanical	U-Link
P930130 00002	VIRGO SMART BT A 20 SLAVE	Irreversible electromechanical operator 24 V for swing gates weighing up to 200 kg and 2 m long. Limit switch Electromechanical	U-Link
R930150 00001	VIRGO SMART BT A 20 KIT INT	Complete kit 24 V for swing gates up to 200 kg in weight and 2 m in length. Limit switch Electromechanical	U-Link

THALIA: Control panel with display for one or two 24V electromechanical operators for swing gates



THALIA - Built in



- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver; D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

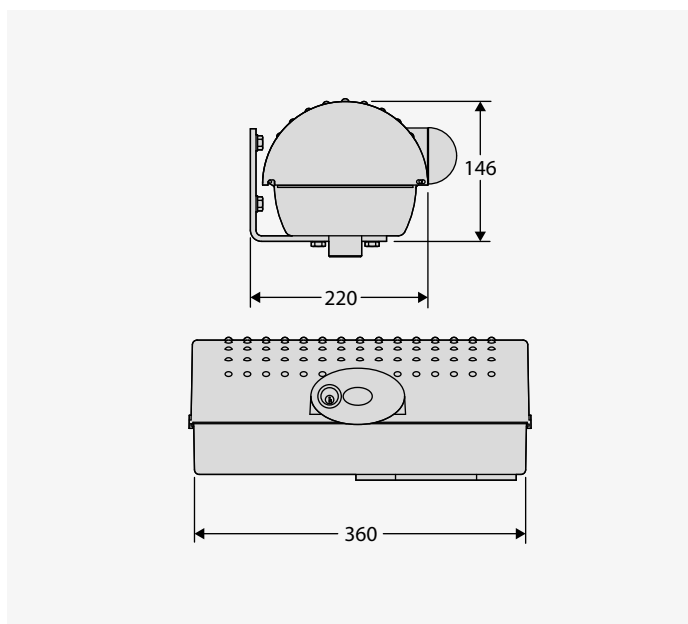
RECOMMENDED ACCESSORIES

	N728052 - LAS VIRGO BT A slide lever		P111775 - TFS Virgo Smart BT A 3-wire board KIT (1 Kit per engine)
	N999735 - AAP VIRGO SMART BT A misaligned doors accessory		N998600 - AMV Virgo Smart BT A 20 mechanical stop KIT
	N733421 - RCA Lever release with steel cable, length 3.5 m. Compatible with BOX.		N733422 - RCAL Lever release with steel cable, length 7 m. Compatible with BOX.
	N574039 - BOX Wall cabinet for release with steel cable and electric control; cable not included		P125008 - VIRGO BAT Set of backup batteries for VIRGO
	D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.		D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.
	D114094 00003 - RADIUS LED BT A R0 Flashing light without incorporated antenna for motors with power supply 24 V.		P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc

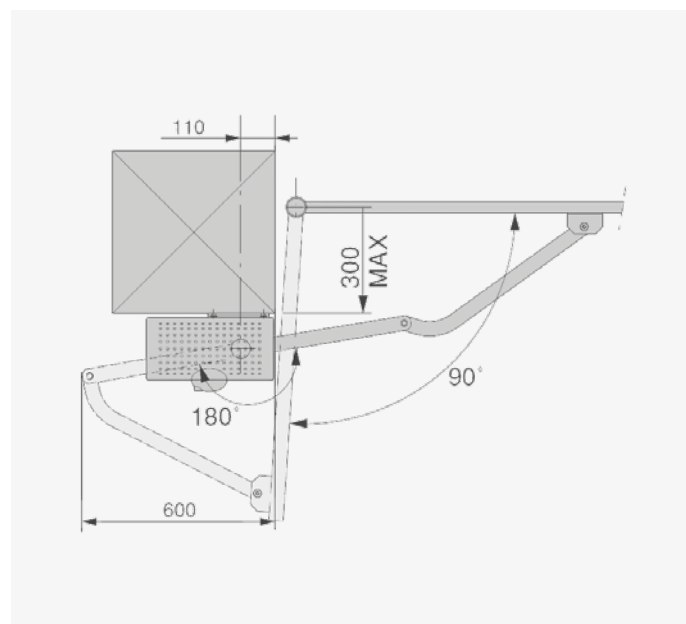


Range of irreversible electro-mechanical 24 v operators for swing gates up to 250 kg in weight and up to 2.5 m in length. Ideal for installation on large-size pillars thanks to its articulated levers that allow opening up to 125°.

Dimension (mm)



INSTALLATION DIMENSIONS



Technical features

	IGEA BT
Control unit	THALIA
Board power supply	230 V
Motor voltage	24 V
Power consumption	40 W
Max. width of door/gate wing	2,50 m
Max. weight of door/gate wing	250 kg
Maximum angle	125 °
Cycle time	15 s
Type of limit switch	Electromechanical
Slowdown	Yes
Locking	Mechanical
Release	Knob operated with personal key
Impact reaction	D-Track
Frequency of use	intensive
Protection rating	IP44
Environmental conditions	-15 ÷ 60 °C

Code	Name	Description	
P935070 00002	IGEA BT	Irreversible electromechanical operator 24 V for swing gates weighing up to 250 kg and 2.5 m long. Limit switch Electromechanical	U-Link
R935297 00002	IGEA BT KIT FRA THALIA	Complete kit 24 V for swing gates up to 250 kg in weight and 2.5 m in length. Limit switch Electromechanical	U-Link

THALIA: Control panel with display for one or two 24V electromechanical operators for swing gates



D113745 00002 - THALIA - Recommended



- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

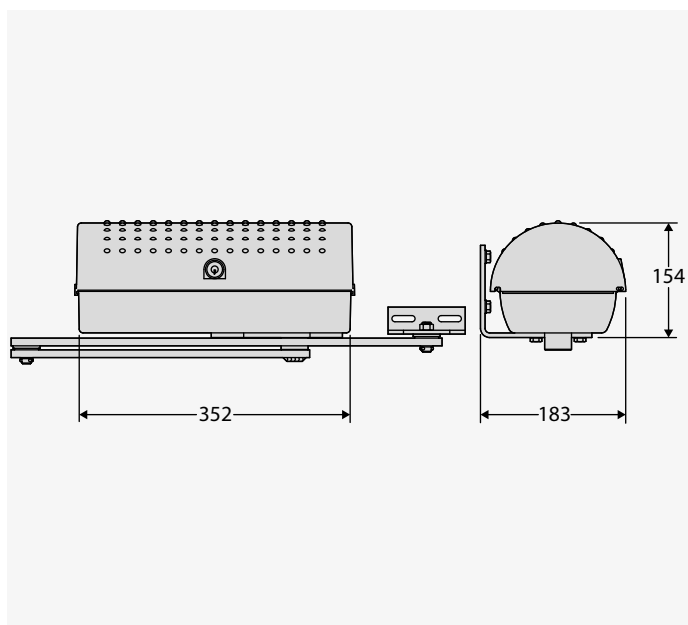
RECOMMENDED ACCESSORIES

	D113747 00002 - THALIA P			D114093 00003 - RADIUS LED BT A R1
	Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems			Flashing light with incorporated antenna for motors with power supply 24 V.
	D114168 00003 - RADIUS LED BT A R1 W			D114094 00003 - RADIUS LED BT A R0
	Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.			Flashing light without incorporated antenna for motors with power supply 24 V.
	N733421 - RCA			P111782 - COMPACTA A20-180
	Lever release with steel cable, length 3.5 m. Compatible with BOX.			Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc
	N733422 - RCAL			P135005 - LRV
	Lever release with steel cable, length 7 m. Compatible with BOX.			Short articulated arms for IGEA and IGEA BT
	N574039 - BOX			P125020 - BBT BAT
	Wall cabinet for release with steel cable and electric control; cable not included			Set of backup batteries for THALIA and THALIA P

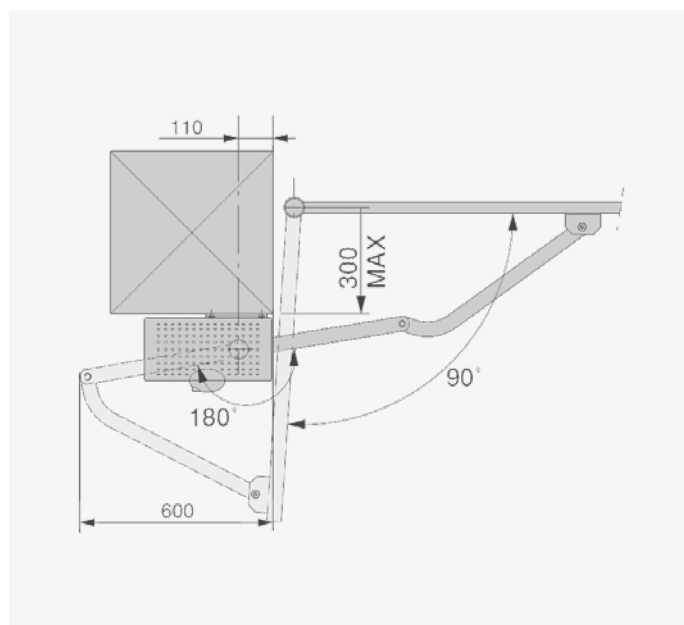


Range of electromechanical operators with articulated arm for residential use, for swing gate leaves of up to 2.5 metres and 250 kg. Ideal for installation on large-size pillars thanks to its articulated levers that allow opening up to 125°.

Dimension (mm)



INSTALLATION DIMENSIONS



Technical features

	IGEA
Control unit	RIGEL 6
Board power supply	230 V
Motor voltage	230 V
Power consumption	300 W
Max. width of door/gate wing	2,50 m
Max. weight of door/gate wing	250 kg
Maximum angle	125 °
Cycle time	15 s
Type of limit switch	Electromechanical
Slowdown	no
Locking	Mechanical
Release	Knob operated with personal key
Impact reaction	Electronic clutch
Frequency of use	intensive
Protection rating	IP44
Environmental conditions	-15 ÷ 60 °C

Code	Name	Description
P935065 00002	IGEA	Electromechanical operator 230 V for swing gates up to 250 kg in weight and 2.5 m in length. Limit switch Electromechanical
R935221 00002	IGEA KIT FRA	Complete kit 230 V for swing gates up to 250 kg in weight and 2.5 m in length. Limit switch Electromechanical

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

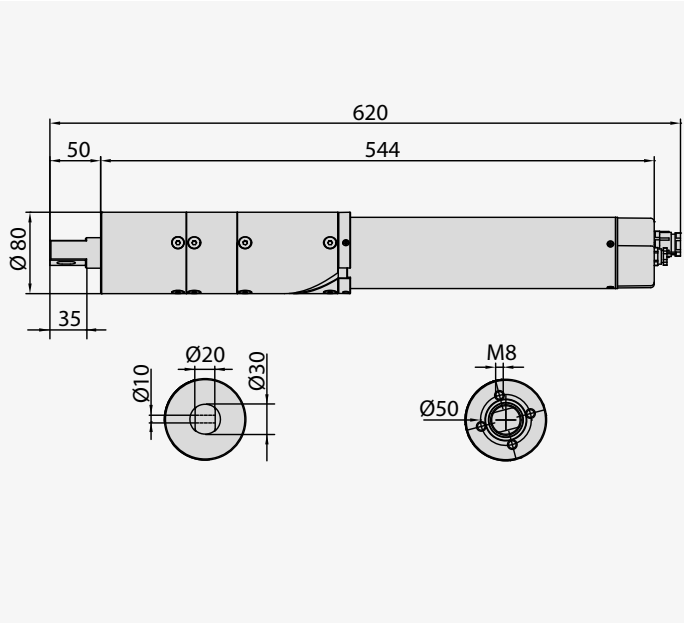
RECOMMENDED ACCESSORIES

 new D114093 00002 - RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with power supply 230 V.	 new D114094 00002 - RADIUS LED AC A R0 Flashing light without incorporated antenna for motors with power supply 230 V.
 new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc	 N733421 - RCA Lever release with steel cable, length 3.5 m. Compatible with BOX.
 N733422 - RCAL Lever release with steel cable, length 7 m. Compatible with BOX.	 P135005 - LRV Short articulated arms for IGEA and IGEA BT
 N574039 - BOX Wall cabinet for release with steel cable and electric control; cable not included	 D113811 00004 - ALENA SW2 Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors



Residential 24V operator for gates of up to 150 kg in weight, able to integrate completely within the jambs of swing gates. Disappearing completely, it enables keeping the look of the gates "clean" while remaining a fundamental element of operational performance. The Hide range includes an entire outfit of accessories needed to install the gate completely, such as the top and bottom hinges.

Dimension (mm)



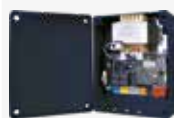
Technical features

	HIDE SW
Control unit	LIBRA CB HIDE
Board power supply	230 V
Motor voltage	24 V
Power consumption	40 W
Max. width of door/gate wing	2 m
Max. weight of door/gate wing	150 kg
Maximum angle	110 °
Cycle time	12 s
Type of limit switch	Absolute encoder
Slowdown	Yes
Locking	Electromechanical
Release	Steel cable
Impact reaction	D-Track
Frequency of use	intensive
Protection rating	IP45
Environmental conditions	-20 ÷ 60 °C

Code	Name	Description
P930124 00001	HIDE SW	Disappearing irreversible electromechanical operator 24 V for swing gates weighing up to 150 kg and 2 m long. Absolute encoder limit switch




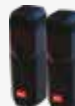



LIBRA CB HIDE: Control panel with display for 1 or 2 HIDE SW series operators

D113742 00002 - LIBRA CB HIDE - Recommended



- Control panel with display for 1 or 2 HIDE SW series operators
- Application: control panel for one or two HIDE SW operators
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 200W max each operator
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature, pulse blocking, separate opening/closing
- Main features: removable terminal blocks, programming with display and incorporated dual channel receiver, anti-crushing, slowdown during opening and closing and electronic self-learning, D-TRACK torque control system

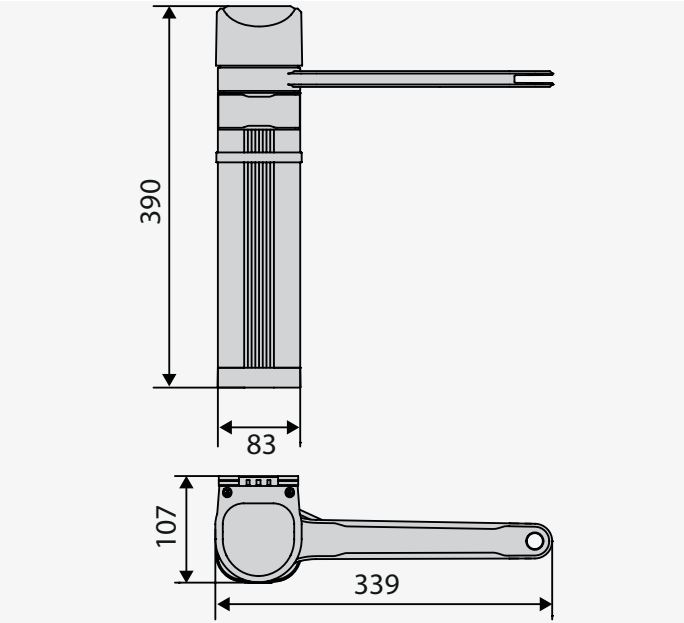
RECOMMENDED ACCESSORIES

 <p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>	 <p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>
 <p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>	 <p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>
 <p>N999526 - HIDE HINGE SUP</p> <p>Top hinge for the installation of HIDE SW series operator</p>	 <p>N999524 - HIDE HINGE INF</p> <p>Bottom fixed hinge for the installation of HIDE SW series operator</p>
 <p>N574039 - BOX</p> <p>Wall cabinet for release with steel cable and electric control; cable not included</p>	 <p>P125005 - BT BAT</p> <p>Set of backup batteries for LIBRA C MA, LIBRA C LX, HYDRA N, ARGO, VENERE BT A DIS</p>



24V reversible electromechanical operator for swing gate panels for pedestrian and vehicular access, for use in homes, apartment buildings and commercial areas. Its small size means it can be installed on small pillars and columns (minimum width required 8cm). The slide arm option means constraints such as walls and obstacles close to the operator can be overcome. The limit switch function is regulated by the absolute encoder. The safety of the operator is guaranteed thanks to the D-track system which precisely determines the position and force with which the gate moves, using the friction inside the operator and the new articulated and slide arms with anti-shear design.

Dimension (mm)



Technical features

	E5 BT A12	E5 BT A18
Control unit	THALIA	THALIA
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Max. weight of door/gate wing	80 kg	100 kg
Power consumption	40 W	40 W
Max. width of door/gate wing	1,20 m	1,80 m
Cycle time	6,50 s	14 s
Type of limit switch	Absolute encoder	Absolute encoder
Release	Reversible	Reversible
Impact reaction	D-Track	D-Track
Frequency of use	Residential	Semi intensive
Degree of protection (IP)	IP44	IP44
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C

Code	Name		Description	
P930027 00003	E5 BT A12		Reversible compact pedestrian electromechanical operator of small size that can be installed on pillars or columns only 80mm wide Application for pedestrian gates up to 1.2m wide and up to 80kg in weight Closes in 6.5s (ideal installation conditions)	U-Link
P930027 00001	E5 BT A18		Reversible compact vehicular electromechanical operator of small size that can be installed on pillars or columns only 80mm wide Application for pedestrian gates up to 1.8m wide and up to 100kg in weight	U-Link

THALIA: Control panel with display for one or two 24V electromechanical operators for swing gates



D113745 00002 - THALIA - Recommended



- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver; D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

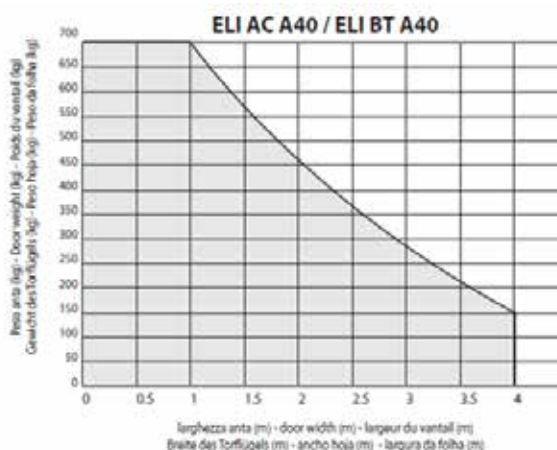
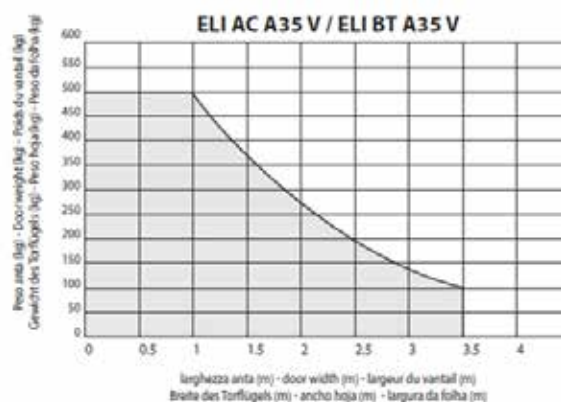
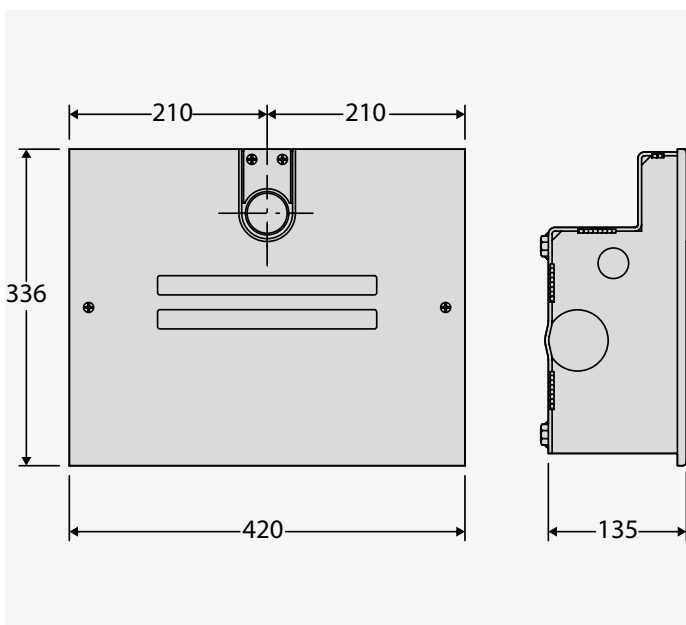
RECOMMENDED ACCESSORIES

	D113747 00002 - THALIA P		N734921 - LBA
	Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems		Lever for articulated arm, E5 BT A12, E5 BT A18
	N735057 - LS12		N735058 - LS18
	Short pedestrian slide lever for E5 BT A12		Long slide lever for E5 BT A18
	D114093 00003 - RADIUS LED BT A R1		D114168 00003 - RADIUS LED BT A R1 W
	Flashing light with incorporated antenna for motors with power supply 24 V.		Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.
	D114094 00003 - RADIUS LED BT A RO		P111782 - COMPACTA A20-180
	Flashing light without incorporated antenna for motors with power supply 24 V.		Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc



A complete range of in-ground non-reversible electromechanical operators for swing gates up to 4m long with 230V motors. The integrated mechanical stops for both opening and closing, allowing the option of a simple installation by reducing the need for physical stops. The magnetic limit switch system (optional) ensures the highest levels of accuracy and reliability over time in all weather conditions.

Dimension (mm)



Technical features

	ELI AC A35 VELOCE	ELI AC A40
Motor voltage	230 V	230 V
Compatible control unit	RIGEL6, ALENA SW2	RIGEL6, ALENA SW2
Max. width of door/gate wing	3,50 m	4 m
Max. length gate panel without electric lock	2 m	2,50 m
Max. motor torque	200 Nm	350 Nm
Max. opening cycles per hour	40	20
Maximum angle	120 °	120 °
Speed	2,50 Rpm	1,45 Rpm
Opening time to 90°	11" (no slowdown)	13" (no slowdown)
Limit switch standard	N/A	N/A
Limit switch optional	Magnetic	Magnetic
Mechanical stops	OP+CL	OP+CL
Release	Lever or lever with personalised key	Lever or lever with personalised key
Impact reaction	Electronic clutch (with control panel)	Electronic clutch (with control panel)
Protection rating	IP67	IP67
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name		Description
P930131 00002	ELI AC A35 VELOCE		230 V electromechanical in-ground operator for swing gates up to 3.5 m long. Magnetic limit switches - Optional
P930132 00002	ELI AC A40		Underground electromechanical operator 230 V for swing gates up to 4 m in length. Magnetic limit switches - Optional

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

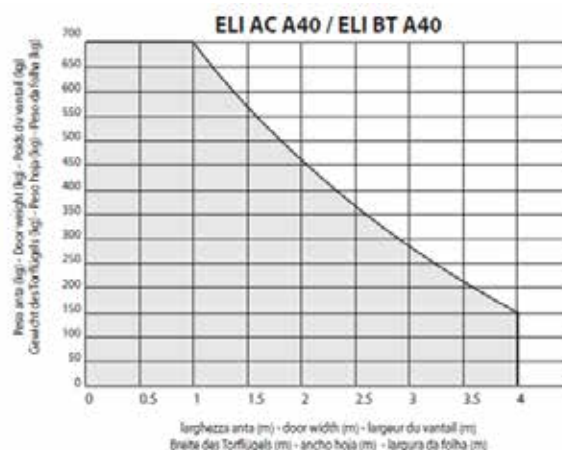
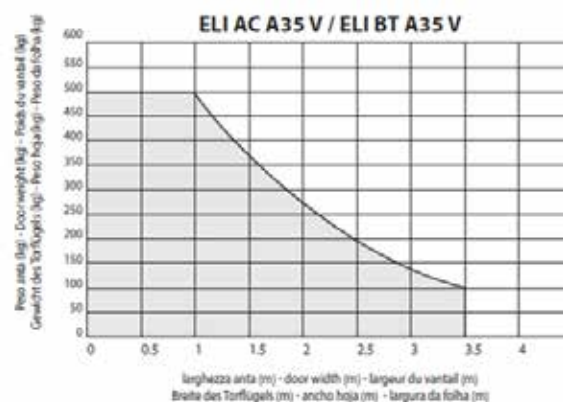
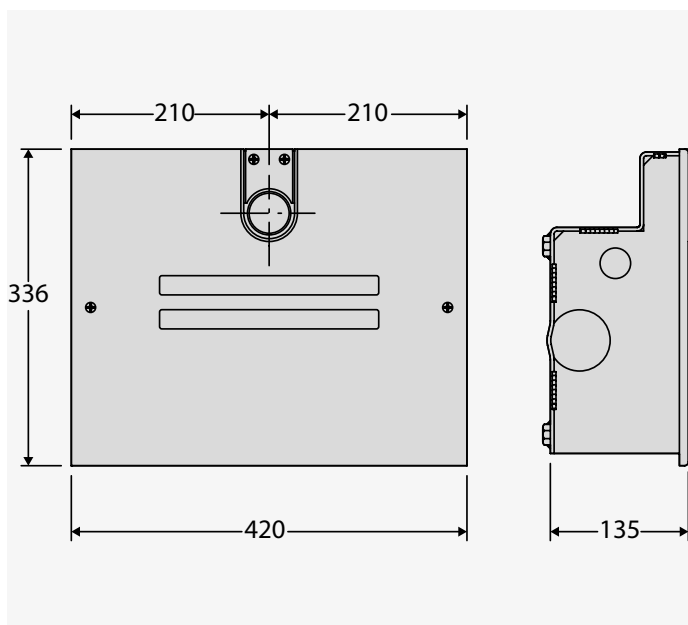
RECOMMENDED ACCESSORIES

<p>N733397 - BTCF 120 E</p> <p>Foundation box with levers for ELI AC A, ELI BT A. Release not supplied</p>	<p>N733398 - BTCF 120 E INOX</p> <p>Stainless steel foundation box with levers for ELI AC A, ELI BT A. Release not provided</p>
<p>N733392 - SCC</p> <p>Release for ELI AC A, ELI BT A and SUB BT with lever key.</p>	<p>N733502 - SCP</p> <p>Release for ELI AC A, ELI BT A and SUB BT with personalized key.</p>
<p>N733304 - E180</p> <p>Accessory for opening to 180 ° for ELI AC A, ELI BT A operator</p>	<p> N733951 - FCE</p> <p>Magnetic limit switches for BT and AC models.</p>
<p> P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.</p>	<p> R400009 - KIT COMPACTA - PHP</p> <p>Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 - 33Vac / 15 - 35Vdc</p>
<p> D114094 00002 - RADIUS LED AC A R0</p> <p>Flashing light without incorporated antenna for motors with 230 V power supply.</p>	<p> D114093 00002 - RADIUS LED AC A R1</p> <p>Flashing light with incorporated antenna for motors with 230 V power supply.</p>



A complete range of in-ground non-reversible electromechanical operators for swing gates up to 4m long with 24V technology. The integrated mechanical stops for both opening and closing, allowing the option of a simple installation by reducing the need for physical stops. The encoder-based limit switch system offers precision and quick installation.

Dimension (mm)



Technical features

	ELI BT A35 VELOCE	ELI BT A40
Motor voltage	24 V	24 V
Compatible control unit	THALIA, THALIA P	THALIA, THALIA P
Max. width of door/gate wing	3,50 m	4 m
Max. length gate panel without electric lock	2 m	2,50 m
Max. motor torque	250 Nm	350 Nm
Max. opening cycles per hour	50	Continuous
Maximum angle	120 °	120 °
Speed	2 Rpm	1,10 Rpm
Opening time to 90°	10" (with slowdown)	14" (with slowdown)
Limit switch standard	Relative encoder	Relative encoder
Limit switch optional	Magnetic	Magnetic
Mechanical stops	OP+CL	OP+CL
Release	Lever or lever with personalised key	Lever or lever with personalised key
Impact reaction	Electronic clutch (with control panel)	Electronic clutch (with control panel)
Protection rating	IP67	IP67
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name		Description
P930133 00002	ELI BT A35 VELOCE		Underground electromechanical operator 24 V for swing gates up to 3.5 m in length. Relative encoder limit switches
P930134 00002	ELI BT A40		Underground electromechanical operator 24 V for swing gates up to 4 m in length. Relative encoder limit switches

THALIA: Control panel with display for one or two 24V electromechanical operators for swing gates



D113745 00002 - THALIA - Recommended



- Application: control panel with display for one or two 24V electromechanical operators for swing gates
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 180W max each operator
- Main features: new standard colour removable terminal blocks, simplified scenario-based programming with display and integrated dual-channel receiver; D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning.
- Main functions: automatic re-closing, fast closing, partial opening, deadman feature
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

RECOMMENDED ACCESSORIES

	N733397 - BTCF 120 E		Foundation box with levers for ELI AC A, ELI BT A. Release not supplied
	N733398 - BTCF 120 E INOX		Stainless steel foundation box with levers for ELI AC A, ELI BT A. Release not provided
	N733392 - SCC		Release for ELI AC A, ELI BT A and SUB BT with lever key.
	N733502 - SCP		Release for ELI AC A, ELI BT A and SUB BT with personalized key.
	N733304 - E180		Accessory for opening to 180 ° for ELI AC A, ELI BT A operator
	N733951 - FCE		Magnetic limit switches for BT and AC models.
	P111782 - COMPACTA A20-180		Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.
	R400009 - KIT COMPACTA - PHP		Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 – 33Vac / 15 – 35Vdc
	D114094 00003 - RADIUS LED BT A R0		Flashing light without incorporated antenna for motors with 24 V power supply.
	D114168 00003 - RADIUS LED BT A R1 W		Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.
	D114093 00003 - RADIUS LED BT A R1		Flashing light with incorporated antenna for motors with 24 V power supply.

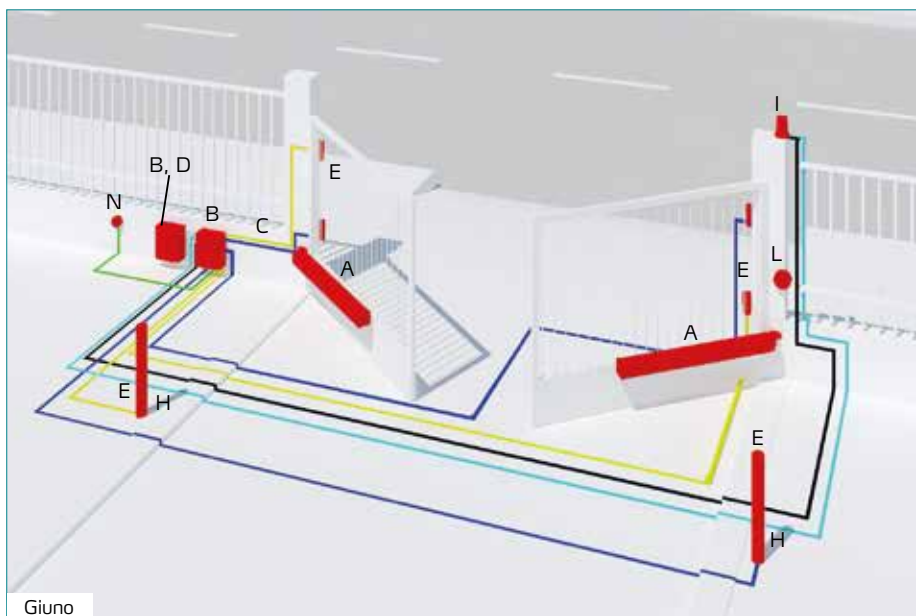


Hydraulic automation systems for swing gates

Guide to choosing

Max. width of door/ gate wing	Max. weight of door/ gate wing	Maximum angle	Motor voltage	Frequency of use	Kit	Operator	Plus	
electromechanically operated swing gates								
2 m	300 kg	110 °	24 V	very intensive	-	GIUNO ULTRA BT A20	Selectable locking Magnetic limit switches	
hydraulically operated swing gates								
1,80 m	180 kg	112 °	230 V	Semi intensive	-	ORO	Compact size	
					●	ORO KIT	Compact size	
					●	ORO KIT FRA	Compact size	
2,50 m	200 kg	-		ORO E	Compact size			
2 m	300 kg	101 °		very intensive	-	LUX R 2B SN2		
					-	LUX R 2B 25N UL/CSA	Locking on closure/opening	
		117 °			-	LUX FC 2B		
					-	LUX FC 2B UL/CSA	Locking on closure/opening	
					-	LUX	Reversible	
					-	LUX SA	Reversible	
					-	LUX WINTER	Extremely low temperatures	
					-	LUX B		
					-	LUX BA	Reversible	
					-	LUX 2B		
			-		LUX 2B WINTER	Extremely low temperatures		
			-		LUX 2B UL/CSA 120V	Locking on closure/opening		
			-		LUX R2B	Reversible		
			2,20 m		123 °	-	LUX R	Reversible
2,30 m	-	LUX RSN2	Reversible					
3,50 m	-	LUX MB	Locking on closure					
4 m	-	LUX MB KIT	Locking on closure					
	-	LUX GV	Reversible					
	-	LUX L	Reversible					
4,50 m	500 kg	-	LUX LR	Reversible				
		-	P4,5 UL/CSA	Closing slowdown				
		-	P4,5	Closing slowdown				
5 m	800 kg	-	P4,5 WINTER	Extremely low temperatures				
		-	GIUNO ULTRA BT A50	Selectable locking Magnetic limit switches				
		-	LUX G WINTER	Extremely low temperatures				
7 m	500 kg	110 °	24 V	-		LUX G	Reversible	
		123 °	230 V	-		P7 UL/CSA	Closing slowdown	
		130 °	230 V	-	P7	Closing slowdown		
		123 °	120 V	-	P7 WINTER	Extremely low temperatures		
swing gates with underground hydraulic operator								
1,80 m	800 kg	130 °	230 V	very intensive	-	SUB DX	very intensive	
					-	SUB SX	very intensive	
					-	SUB R DX	Slowdown	
					-	SUB R SX	Slowdown	
					-	SUB R WINTER DX	Extremely low temperatures	
					-	SUB R WINTER SX	Extremely low temperatures	
		-			SUB EG DX	very intensive		
		-			SUB EG SX	very intensive		
		-			SUB G DX	very intensive		
		-			SUB G SX	very intensive		
2,50 m		120 °			230 V	-	SUB BT	D-Track
						-	SUB E DX	very intensive
						-	SUB E SX	very intensive
-		SUB ER DX				Slowdown		
-		SUB ER SX	Slowdown					
3,50 m		130 °	120 V			-	SUB R UL/CSA DX	Slowdown
			230 V			-	SUB EL DX	very intensive
			-			SUB EL SX	very intensive	
			180 °			120 V	-	SUB G UL/CSA DX

Installation guide



Giuno

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Flashing Beacon
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
—	2x1.5
—	3x1.5
—	RG 58
—	5x1
—	2x1
—	Solar panel

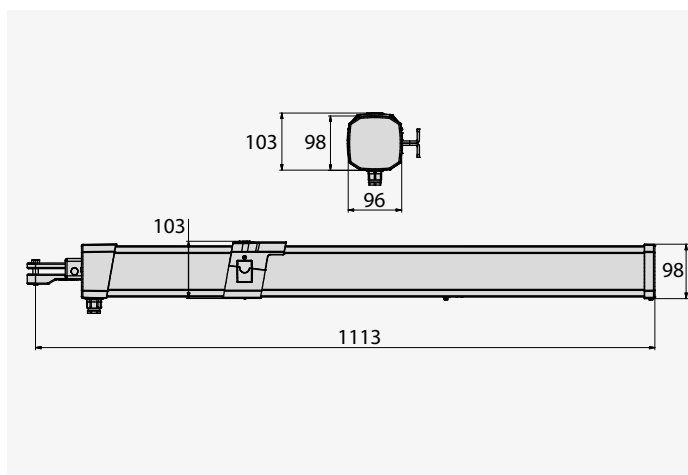


Complete range of low voltage hydraulic pistons for very intensive use, suitable for any type of residential, industrial or multi-residence application.

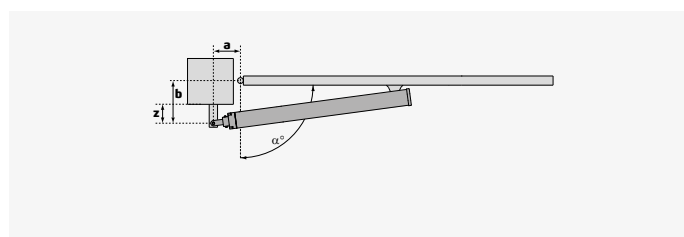
Compact and sturdy, capable of automating swing gate leaves up to 5 metres wide and weighing up to 800 kg.

Anti-crushing safety guaranteed thanks to the exclusive D-Track system

Dimension (mm)



INSTALLATION DIMENSIONS



GIUNO ULTRA BT A 20									
z > 45 (mm)	a (mm)								
	90	100	110	125	135	145	155	165	175
b (mm)	90				110	104	98	95	91
	100				105	99	95	91	88
	110			108	100	95	91	88	
	125			99	93	89	86		
	135		99	93	89				
	145	95	97	89					
	155	95	91						
	165	91	86						
175	91	85							α°

GIUNO ULTRA BT A 50									
z > 45 (mm)	a (mm)								
	115	135	155	175	195	215	235	255	275
b (mm)	115			110	110	108	101	96	92
	135		106	106	110	102	96	92	
	155	107	106	108	103	96	91	87	
	175	103	107	106	96	91	86		
	195	104	106	97	90	86			
	215	101	99	90	85				
	235	96	101	90	84				
	255	95	89	83					
275	88								α°

Technical features

	GIUNO ULTRA BT A20	GIUNO ULTRA BT A50
Control unit	THALIA P	THALIA P
Board power supply	230 V	230 V
Motor voltage	24 V	24 V
Power consumption	90 W	90 W
Max. width of door/gate wing	2 m	5 m
Max. weight of door/gate wing	300 kg	800 kg
Useful rod stroke	270 mm	392 mm
Maximum angle	110 °	110 °
Cycle time	14 s	20 s
Type of limit switch	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Selectable in opening/closing	Selectable in opening/closing
Release	Triangle key	Triangle key
Impact reaction	D-Track	D-Track
Frequency of use	very intensive	very intensive
Protection rating	IP55	IP55
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C

Code	Name	Description
P935105 00001	GIUNO ULTRA BT A20	Hydraulic operator with 24 V for hinged wings up to 2 m. 300 kg in weight and use very intensive. Manoeuvre time 14 s. Selectable locking Magnetic limit switches
P935106 00001	GIUNO ULTRA BT A50	Hydraulic operator with 24 V for hinged wings up to 5 m. 800 kg in weight and use very intensive. Manoeuvre time 20 s. Selectable locking Magnetic limit switches

THALIA P: Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems



D113747 00002 - THALIA P - Recommended



- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge BK2.
- Application: display panel for 1 or 2 24V operators
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

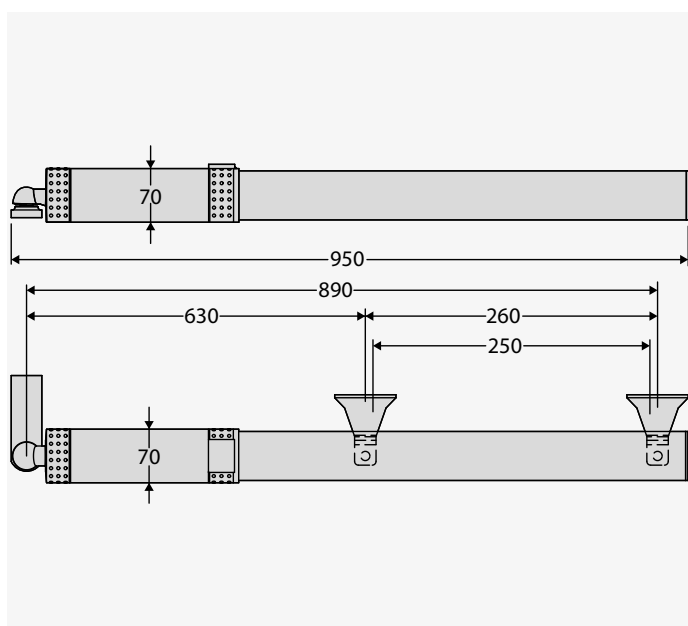
RECOMMENDED ACCESSORIES

D113745 00002 - THALIA Control panel with display for one or two 24V electromechanical operators for swing gates	N733426 - ARB LUX Adjustable front and rear bracket for LUX operator
N733474 - ARB LUX G Adjustable front and rear bracket for LUX G operator	N733474 00001 - ARB GIUNO Adjustable front mounting bracket
N735002 - SFR B Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)	N735003 - SFR-L B Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)
N735002 00001 - SFR B - COMPLETA Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket	N735003 00001 - SFR-L B - COMPLETA Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket
D610180 - CLS Triangular release key l=52 mm	N999443 - PL LX BT Anchor plate for welding the mountings to masonry pillars for LUX BT, GIUNO BT A
P125020 - BBT BAT Set of backup batteries for THALIA and THALIA P	N999417 - CABLE LX BT 1603 cable for LUX BT/GIUNO BT/IGEA - skein of 100 m
P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc	D114094 00003 - RADIUS LED BT A RO Flashing light without incorporated antenna for motors with power supply 24 V.
D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.	D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.

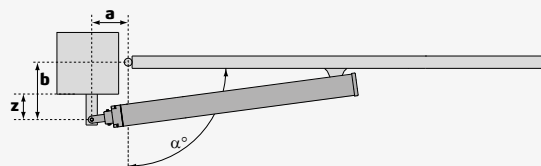


Extremely compact and sturdy hydraulic operators suitable for residential and small condominium use.
Capable of automating swing gate leaves up to 2.5 metres wide and weighing up to 200 kg.
Available in both reversible and irreversible versions. Maximum precision in force control guaranteed by by-pass valves.

Dimension (mm)



INSTALLATION DIMENSIONS



ORO - ORO E										
z > 40 (mm)	a (mm)									
	80	90	100	110	120	130	140	150	160	
80					112	104	99	94	91	
90					105	99	94	91	88	
100					100	94	91			
110					95	89	87			
120			103	95	90					
130		106	95	90	86					
140		96	89							
150	97	89	84							
160	88	83	80							α°

Technical features

	ORO	ORO E
Control unit	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V
Motor voltage	230 V	230 V
Power consumption	240 W	240 W
Max. width of door/gate wing	1,80 m	2,50 m
Max. weight of door/gate wing	180 kg	200 kg
Useful rod stroke	250 mm	250 mm
Maximum angle	112 °	112 °
Cycle time	20 s	27 s
Type of limit switch	work time	work time
Slowdown	no	no
Locking	Hydraulic closing	Solenoid Lock
Release	Triangle key	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP55	IP55
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C

Code	Name	Description
P935059 00001	ORO	Irreversible hydraulic operator for hinged leaves up to 1.8 m and 180 kg in weight, duty Semi intensive. Manoeuvre time 20 s. Compact size
P935058 00001	ORO E	Reversible hydraulic operator for hinged leaves up to 2.5 m and weight 200 kg, use Semi intensive. Manoeuvre time 27 s. Compact size
R935222 00002	ORO KIT	Kit for swing gates up to 1.8 m and 180 kg in weight with irreversible hydraulic operators for Semi intensive use. Cycle time 20 s. Compact size
R935210 00011	ORO KIT FRA	Kit for swing gates up to 1.8 m and 180 kg in weight with irreversible hydraulic operators for Semi intensive use. Cycle time 20 s. Compact size

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

RECOMMENDED ACCESSORIES

 new D114092 00002 - ALCOR AC A Control unit with on-board receiver - no display - Standard terminal block	 Ph Out N733424 - ARB ORO Adjustable front and rear brackets for ORO operator
new N733424 00001 - ARB ORO - LUX Adjustable front mounting bracket for ORO and LUX	 new N735002 - SFR B Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)
 new N735003 - SFR-L B Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)	 new N735002 00001 - SFR B - COMPLETA Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket
 new N735003 00001 - SFR-L B - COMPLETA Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket	D730178 - PLE Anchor plate for welding the mountings to masonry pillars for LUX, ORO, PHOBOS operators
 N999131 - NAT Adapter for 230V hydraulic operators for inserting the spiral cable protection sheath	 D111013 - ME Control board for 12Vac solenoid lock for 230V automation systems
 D610180 - CLS Triangular release key l=52 mm	 new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc
 new D114094 00002 - RADIUS LED AC A R0 Flashing light without incorporated antenna for motors with power supply 230 V.	 new D114093 00002 - RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with power supply 230 V.



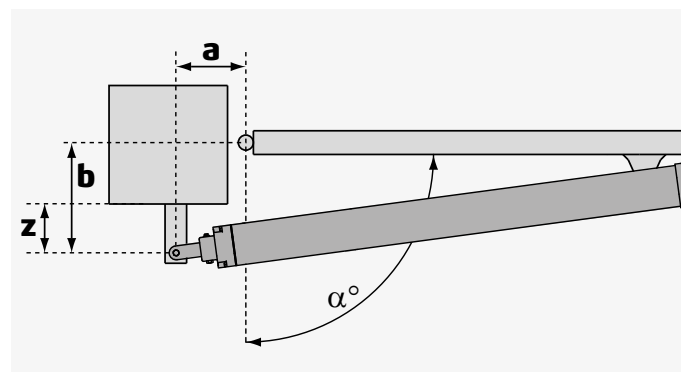
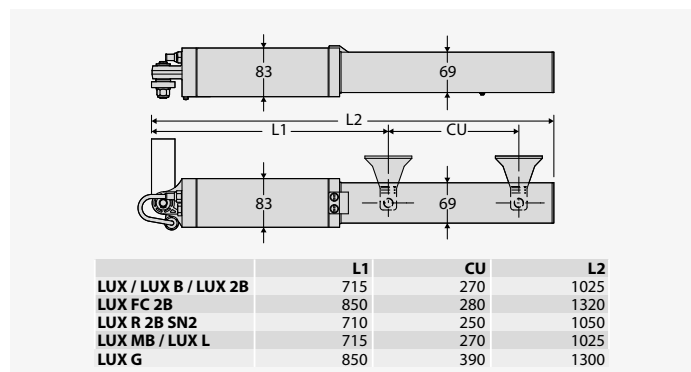
Complete range of low voltage hydraulic pistons for very intensive use, suitable for any type of residential, industrial or multi-residence application.

Compact and sturdy, capable of automating swing gate leaves up to 5 metres wide and weighing up to 800 kg.

Available in both reversible and irreversible versions, with maximum precision in torque control guaranteed by by-pass valves.

Dimension (mm)

INSTALLATION DIMENSIONS



LUX FC 2B					
z > 45 (mm)	a (mm)				
	110	120	130	140	150
b (mm)					
110			112	104	98
120		117	105	99	94
130		107	99	94	90
140	112	100	94	90	
150	102	94	90		
160	94	89			α°

LUX G										
z > 45 (mm)	a (mm)									
	95	115	135	155	175	195	215	235	255	276
b (mm)										
95						128	115	107	102	97
115						119	108	102	97	93
135					130	111	102	97	93	89
155					114	103	97	92	88	
175					104	96	91	87		
195				107	96	90				
215				96	89					
235			96	88						
255	105	96	87							
276	96	85								
295	94									α°

LUX - LUX B - LUX 2B - LUX MB - LUX L										
z > 45 (mm)	a (mm)									
	80	90	100	110	120	135	145	155	165	175
b (mm)										
90						116	108	102	98	94
100						110	103	98	94	91
110					123	104	99	94	91	
120					111	99	94	91		
135				111	100	90				
145				102	94					
155			104	95	90					
165			95	90						
175		95	88							
185	96	88								α°

LUX R 2B SN2						
z > 45 (mm)	a (mm)					
	105	115	125	135	145	155
b (mm)						
105			100	95	91	87
115		101	95	90		
125		95	90			
135	95	90				
145	89					
155	84					α°

Technical features

	LUX	LUX SA	LUX WINTER	LUX R	LUX RSN2	LUX B
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	2 m	2 m	2 m	2,20 m	2,20 m	2 m
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg	300 kg	300 kg
Useful rod stroke	270 mm	270 mm	270 mm	270 mm	270 mm	270 mm
Maximum angle	123 °	123 °	123 °	123 °	123 °	123 °
Cycle time	17 s	17 s	17 s	17 s	17 s	17 s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	no	no	no	no	no	no
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock	Hydraulic closing
Release	Reversible	Reversible	Reversible	Reversible	Reversible	Triangle key
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ °C	-10 ÷ °C	-30 ÷ °C	-10 ÷ °C	-10 ÷ °C	-10 ÷ °C

	LUX BA	LUX 2B	LUX 2B WINTER	LUX 2B UL/CSA 120V	LUX R2B	LUX R 2B SN2
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	2 m	2 m	2 m	2 m	2 m	2 m
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg	300 kg	300 kg
Useful rod stroke	270 mm	270 mm	270 mm	270 mm	270 mm	250 mm
Maximum angle	123 °	123 °	123 °	123 °	123 °	101 °
Cycle time	17 s	17 s	17 s	17 s	17 s	16+slowdown s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	no	no	no	no	no	Yes
Locking	Solenoid Lock	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Solenoid Lock	Open/close hydraulics
Release	Reversible	Triangle key	Triangle key	Triangle key	Reversible	Triangle key
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ °C	-10 ÷ °C	-30 ÷ °C	-10 ÷ °C	-10 ÷ °C	-10 ÷ °C

	LUX FC 2B	LUX R 2B 25N UL/CSA	LUX FC 2B UL/CSA	LUX MB	LUX GV	LUX L
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	280 W	250 W	280 W	250 W	250 W	250 W
Max. width of door/gate wing	2 m	2 m	2 m	2,30 m	3,50 m	4 m
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg	300 kg	500 kg
Useful rod stroke	280 mm	250 mm	280 mm	270 mm	270 mm	270 mm
Maximum angle	117 °	101 °	117 °	123 °	123 °	123 °
Cycle time	17 s	16+slowdown s	17 s	23 s	17 s	33 s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	no	Yes	no	no	no	no
Locking	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Hydraulic closing	Solenoid Lock	Solenoid Lock
Release	Triangle key	Triangle key	Triangle key	Triangle key	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ °C	-10 ÷ °C	-10 ÷ °C	-10 ÷ °C	-10 ÷ °C	-10 ÷ °C

	LUX LR	LUX G	LUX G WINTER
Control unit	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W
Max. width of door/gate wing	4 m	5 m	5 m
Max. weight of door/gate wing	500 kg	800 kg	800 kg
Useful rod stroke	270 mm	390 mm	270 mm
Maximum angle	123 °	130 °	123 °
Cycle time	33 s	48 s	17 s
Type of limit switch	work time	work time	work time
Slowdown	no	no	no
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP57
Environmental conditions	-10 ÷ °C	-10 ÷ °C	-10 ÷ °C



Code	Name	Description
P935009 00001	LUX	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935025 00001	LUX SA	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935009 00025	LUX WINTER	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Extremely low temperatures
P935044 00001	LUX R	Hydraulic operator 230 V for hinged leaves up to 2.2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935044 00002	LUX RSN2	Hydraulic operator 230 V for hinged leaves up to 2.2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935010 00001	LUX B	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Hydraulic closing
P935027 00001	LUX BA	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935011 00001	LUX 2B	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Open/close hydraulics
P935011 00028	LUX 2B WINTER	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Open/close hydraulics Extremely low temperatures
P935011 00013	LUX 2B UL/CSA 120V	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Open/close hydraulics Locking on closure/opening
P935046 00001	LUX R2B	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935046 00002	LUX R 2B SN2	230 V hydraulic operator for swing gate up to 2 m long and weighing 300 kg. Opening 250 mm, movement time 16+slowdown s and maximum opening angle 101 °. Locking system: Open/close hydraulics
P935039 00001	LUX FC 2B	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 280 mm, manoeuvre time 17 s and maximum opening angle 117 °. Locking system: Open/close hydraulics
P935046 00004	LUX R 2B 25N UL/CSA	230 V hydraulic operator for swing gate up to 2 m long and weighing 300 kg. Opening 250 mm, movement time 16+slowdown s and maximum opening angle 101 °. Locking system: Open/close hydraulics Locking on closure/opening
P935039 00002	LUX FC 2B UL/CSA	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 280 mm, manoeuvre time 17 s and maximum opening angle 117 °. Locking system: Open/close hydraulics Locking on closure/opening
P935035 00001	LUX MB	Hydraulic operator 230 V for hinged leaves up to 2.3 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 23 s and maximum opening angle 123 °. Locking system: Hydraulic closing Locking on closure
P935014 00001	LUX GV	Hydraulic operator 230 V for hinged leaves up to 3.5 m and 300 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935012 00001	LUX L	Hydraulic operator 230 V for hinged leaves up to 4 m and 500 kg in weight. Useful travel 270 mm, manoeuvre time 33 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935049 00001	LUX LR	Hydraulic operator 230 V for hinged leaves up to 4 m and 500 kg in weight. Useful travel 270 mm, manoeuvre time 33 s and maximum opening angle 123 °. Locking system: Solenoid Lock Reversible
P935013 00001	LUX G	Hydraulic operator 230 V for hinged leaves up to 5 m and 800 kg in weight. Useful travel 390 mm, manoeuvre time 48 s and maximum opening angle 130 °. Locking system: Solenoid Lock Reversible
P935013 00022	LUX G WINTER	Hydraulic operator 230 V for hinged leaves up to 5 m and 800 kg in weight. Useful travel 270 mm, manoeuvre time 17 s and maximum opening angle 123 °. Locking system: Solenoid Lock Extremely low temperatures
R935217 00002	LUX MB KIT	Kit for swing gates up to 2.3 m, 300 kg in weight. Hydraulic operators with useful travel 270 mm, max angle 123 °, locking Hydraulic closing and release Triangle key. Cycle time 23 s. Power input 250 W. Locking on closure

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

RECOMMENDED ACCESSORIES

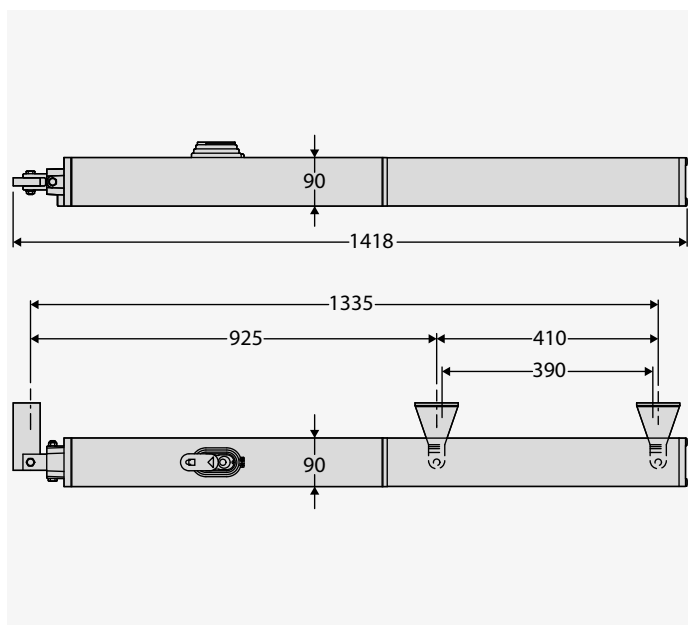
	new D114092 00002 - ALCOR AC A Control unit with on-board receiver - no display - Standard terminal block		Ph. Out N733426 - ARB LUX Adjustable front and rear bracket for LUX operator
	Ph. Out N733474 - ARB LUX G Adjustable front and rear bracket for LUX G operator		new N733424 00001 - ARB ORO - LUX Adjustable front mounting bracket for ORO and LUX
	new N735002 - SFR B Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7)		new N735003 - SFR-L B Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7)
	new N735002 00001 - SFR B - COMPLETA Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket		new N735003 00001 - SFR-L B - COMPLETA Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket
	D730178 - PLE Anchor plate for welding the mountings to masonry pillars for LUX, ORO, PHOBOS operators		N999131 - NAT Adapter for 230V hydraulic operators for inserting the spiral cable protection sheath
	D111013 - ME Control board for 12Vac solenoid lock for 230V automation systems		D610180 - CLS Triangular release key l=52 mm
	new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc		new D114094 00002 - RADIUS LED AC A R0 Flashing light without incorporated antenna for motors with power supply 230 V.
	new D114093 00002 - RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with power supply 230 V.		



Extremely sturdy and reliable hydraulic operators for industrial and condominium use. They can automate swing gate leaves up to 7m wide and weighing up to 500kg.

Smooth, silent gate movements are guaranteed by the extremely high-performance hydraulic system and the closing slowdown. Maximum precision in traction and thrust force control is guaranteed by the by-pass valve system.

Dimension (mm)



INSTALLATION DIMENSIONS

P4,5 - P7

		a (mm)											
z > 50 (mm)		120	135	150	165	180	195	210	225	240	255	270	
120						123	117	109	103	99	95	92	
135						114	111	104	99	95	92		
150					123	107	105	99	95	92			
165					109	100	95	91					
180					101	95	90						
195				118	103	95	90						
210				106	95	89							
225			95	88									
240			95	88									
255	95		88										
270	99												α°

Technical features

	P4,5	P4,5 WINTER	P4,5 UL/CSA	P7	P7 WINTER	P7 UL/CSA
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	V	V	230 V	230 V	230 V
Motor voltage	230 V	230 V	120 V	230 V	230 V	120 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	4,50 m	4,50 m	4,50 m	7 m	7 m	7 m
Max. weight of door/gate wing	500 kg	500 kg	500 kg	500 kg	500 kg	500 kg
Useful rod stroke	390 mm	390 mm	390 mm	390 mm	390 mm	390 mm
Maximum angle	123 °	123 °	123 °	123 °	123 °	123 °
Cycle time	28+slowdown s	28+slowdown s	28+slowdown s	42+slowdown s	42+slowdown s	42+slowdown s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	During closing	During closing	During closing	During closing	During closing	During closing
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP55	IP55	IP55	IP55	IP55	IP55
Environmental conditions	-10 ÷ 60 °C	-30 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-30 ÷ 60 °C	-10 ÷ 60 °C

Code	Name	Description
P935061 00001	P4,5	Reversible hydraulic operator for swing gates up to 4.5 m. 500 kg in weight. Cycle time 28+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown
P935061 00004	P4,5 WINTER	Reversible hydraulic operator for swing gates up to 4.5 m. 500 kg in weight. Cycle time 28+slowdown s. Useful travel 390 mm. max angle 123 °. Extremely low temperatures
P935061 00003	P4,5 UL/CSA	Reversible hydraulic operator for swing gates up to 4.5 m. 500 kg in weight. Cycle time 28+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown
P935060 00001	P7	Reversible hydraulic operator for swing gates up to 7 m. 500 kg in weight. Cycle time 42+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown
P935060 00004	P7 WINTER	Reversible hydraulic operator for swing gates up to 7 m. 500 kg in weight. Cycle time 42+slowdown s. Useful travel 390 mm. max angle 123 °. Extremely low temperatures
P935060 00003	P7 UL/CSA	Reversible hydraulic operator for swing gates up to 7 m. 500 kg in weight. Cycle time 42+slowdown s. Useful travel 390 mm. max angle 123 °. Closing slowdown

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

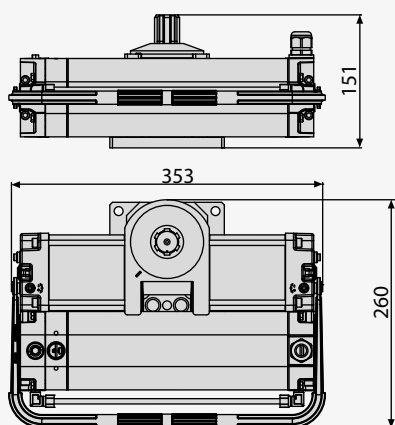
RECOMMENDED ACCESSORIES

	new D114092 00002 - ALCOR AC A	N999131 - NAT		
	Control unit with on-board receiver - no display - Standard terminal block	Adapter for 230V hydraulic operators for inserting the spiral cable protection sheath		
	D610180 - CLS	D111013 - ME		
	Triangular release key l=52 mm	Control board for 12Vac solenoid lock for 230V automation systems		
	new P111782 - COMPACTA A20-180	new D114094 00002 - RADIUS LED AC A R0		
	Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc	Flashing light without incorporated antenna for motors with power supply 230 V.		
	new D114093 00002 - RADIUS LED AC A R1			
	Flashing light with incorporated antenna for motors with power supply 230 V.			



Low voltage hydraulic operator for very intensive use, suitable for any type of residential, industrial or multi-residence application. Compact and sturdy, they can automate swing gate leaves up to 2.5m wide and weighing up to 800kg. Fitted with mechanical stops and virtual encoder, guaranteeing maximum anti-crushing safety thanks to the electronic slowdown and D-Track system

Dimension (mm)



Technical features

	SUB BT
Control unit	THALIA P
Board power supply	230 V
Motor voltage	24 V
Power consumption	300 W
Max. width of door/gate wing	2,50 m
Max. weight of door/gate wing	800 kg
Maximum angle	120 °
Cycle time	13 s
Slowdown	Yes
Locking	Open/close hydraulics
Release	Lever or lever with personalised key
Impact reaction	D-Track
Frequency of use	very intensive
Protection rating	IP67
Environmental conditions	-20 ÷ 60 °C

Code	Name	Description
P930123 00001	SUB BT	Low voltage, in-ground irreversible hydraulic operator for hinged leaves up to 2.5 m. weight 800 kg. D-Track

THALIA P: Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems



D113747 00002 - THALIA P - Recommended



- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge 8K2.
- Application: display panel for 1 or 2 24V operators
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

RECOMMENDED ACCESSORIES

	D113745 00002 - THALIA Control panel with display for one or two 24V electromechanical operators for swing gates	new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc
	new D114094 00003 - RADIUS LED BT A RO Flashing light without incorporated antenna for motors with power supply 24 V.	new D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.
	new D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.	N733480 00001 - FCS BT Foundation box for SUB BT series operators
	N733392 - SCC Release for ELI 250N and SUB BT with lever key.	N733502 - SCP Release for ELI 250 and SUB BT with personalized key.
	P125020 - BBT BAT Set of backup batteries for THALIA and THALIA P	

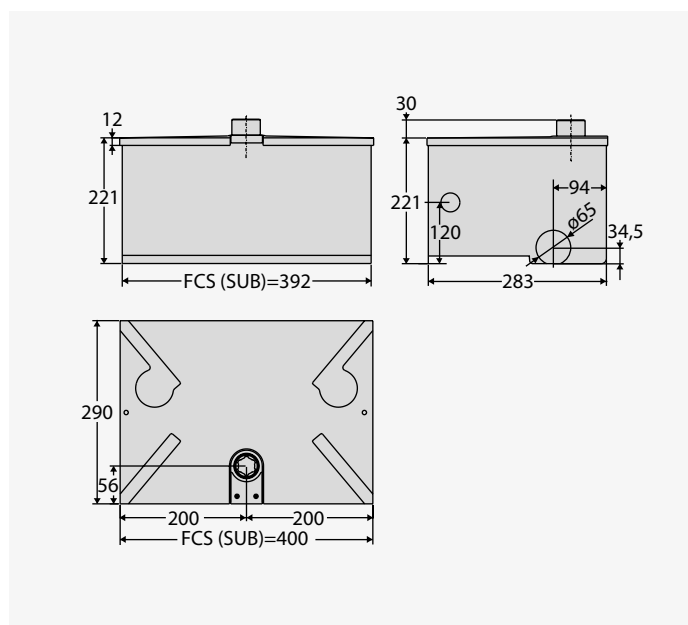


Complete range of underground hydraulic operators for very intensive use, suitable for any type of residential, industrial or multi-residence application.

Compact and sturdy, capable of automating swing gate leaves up to 3.5 metres wide and weighing up to 800 kg.

Available in reversible and non-reversible versions, with or without slowdown during opening and closing and with opening angles up to 180°.

Dimension (mm)



Technical features

	SUB DX	SUB SX	SUB R DX	SUB R SX	SUB R UL/CSA DX	SUB R WINTER DX
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V	120 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	1,80 m	1,80 m	1,80 m	1,80 m	3,50 m	1,80 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	130 °	130 °	130 °	130 °	130 °
Cycle time	24 s	24 s	14+slowdown s	14+slowdown s	14+slowdown s	14+slowdown s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	no	no	Yes	Yes	Yes	Yes
Locking	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics
Release	Triangle key	Triangle key	Triangle key	Triangle key	Non reversing	Non reversing
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-30 ÷ 60 °C

	SUB R WINTER SX	SUB E DX	SUB E SX	SUB ER DX	SUB ER SX	SUB EL DX
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	1,80 m	2,50 m	2,50 m	2,50 m	2,50 m	3,50 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	130 °	130 °	130 °	130 °	130 °
Cycle time	14+slowdown s	24 s	24 s	14+slowdown s	14+slowdown s	33 s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	Yes	no	no	Yes	Yes	no
Locking	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Non reversing	Non reversing	Non reversing	Reversible	Reversible	Reversible
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-30 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	SUB EL SX	SUB G DX	SUB G SX	SUB G UL/CSA DX	SUB EG DX	SUB EG SX
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Motor voltage	230 V	230 V	230 V	120 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	3,50 m	1,80 m	1,80 m	3,50 m	1,80 m	1,80 m
Max. weight of door/gate wing	800 kg	800 kg	800 kg	800 kg	800 kg	800 kg
Maximum angle	130 °	180 °	180 °	180 °	130 °	130 °
Cycle time	33 s	33 s	33 s	33 s	24 s	24 s
Type of limit switch	work time	work time	work time	work time	work time	work time
Slowdown	no	no	no	no	no	no
Locking	Solenoid Lock	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics
Release	Reversible	Triangle key	Triangle key	Non reversing	Non reversing	Non reversing
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

Code	Name	Description
P930026 00001	SUB DX	In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1.8 m. Manoeuvre time 24 s. Right operator. very intensive
P930026 00002	SUB SX	In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1.8 m. Manoeuvre time 24 s. Left operator. very intensive
P930012 00005	SUB R DX	In-ground 230 V irreversible hydraulic operator for swing gates up to 1.8 m with slowdown. Maneuver time 14+slowdown s. Right operator. Slowdown
P930012 00006	SUB R SX	In-ground 230 V irreversible hydraulic operator for swing gates up to 1.8 m with slowdown. Maneuver time 14+slowdown s. Left operator. Slowdown
P930012 00007	SUB R UL/CSA DX	In-ground 120 V irreversible hydraulic operator for swing gates up to 3.5 m with slowdown. Maneuver time 14+slowdown s. Right operator. Slowdown
P930012 00009	SUB R WINTER DX	In-ground 230 V irreversible hydraulic operator for swing gates up to 1.8 m with slowdown. Maneuver time 14+slowdown s. Right operator. Extremely low temperatures
P930012 00010	SUB R WINTER SX	In-ground 230 V irreversible hydraulic operator for swing gates up to 1.8 m with slowdown. Maneuver time 14+slowdown s. Left operator. Extremely low temperatures
P930009 00004	SUB E DX	In-ground 230 V hydraulic operator Non reversing for hinged leaves up to 2.5 m. Manoeuvre time 24 s. Right operator. very intensive
P930009 00005	SUB E SX	In-ground 230 V hydraulic operator Non reversing for hinged leaves up to 2.5 m. Manoeuvre time 24 s. Right operator. very intensive
P930013 00007	SUB ER DX	In-ground 230 V irreversible hydraulic operator for swing gates up to 2.5 m with slowdown. Maneuver time 14+slowdown s. Right operator. Slowdown
P930013 00008	SUB ER SX	In-ground 230 V irreversible hydraulic operator for swing gates up to 2.5 m with slowdown. Maneuver time 14+slowdown s. Left operator. Slowdown
P930014 00005	SUB EL DX	In-ground 230 V hydraulic operator Reversible for hinged leaves up to 3.5 m. Manoeuvre time 33 s. Right operator. very intensive
P930014 00006	SUB EL SX	In-ground 230 V hydraulic operator Reversible for hinged leaves up to 3.5 m. Manoeuvre time 33 s. Right operator. very intensive



Code	Name	Description
P930010 00005	SUB G DX	In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1.8 m. Manoeuvre time 33 s. Right operator. very intensive
P930010 00006	SUB G SX	In-ground 230 V hydraulic operator Triangle key for hinged leaves up to 1.8 m. Manoeuvre time 33 s. Right operator. very intensive
P930010 00007	SUB G UL/CSA DX	In-ground 120 V hydraulic operator Non reversing for hinged leaves up to 3.5 m. Manoeuvre time 33 s. Right operator. very intensive
P930011 00005	SUB EG DX	In-ground 230 V hydraulic operator Non reversing for hinged leaves up to 1.8 m. Manoeuvre time 24 s. Right operator. very intensive
P930011 00006	SUB EG SX	In-ground 230 V hydraulic operator Non reversing for hinged leaves up to 1.8 m. Manoeuvre time 24 s. Right operator. very intensive

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

RECOMMENDED ACCESSORIES

	<p>new D114092 00002 - ALCOR AC A</p> <p>Control unit with on-board receiver - no display - Standard terminal block</p>		<p>D610256 - CLS/82</p> <p>Triangular release key for SUB operators l=82 mm</p>
	<p>N733066 00003 - FCS DX</p> <p>Foundation box designed for fitting the SUB right-hand operator, allowing easy maintenance without ever having to disassemble the gate leaf</p>		<p>N733066 00004 - FCS SX</p> <p>Foundation box designed for fitting the SUB left-hand operator, allowing easy maintenance without ever having to disassemble the gate leaf</p>
	<p>N733066 00001 - CPS DX</p> <p>Foundation box designed for fitting the SUB right-hand operator</p>		<p>N733066 00002 - CPS SX</p> <p>Foundation box designed for fitting the SUB left-hand operator</p>
	<p>N733092 - CPS G</p> <p>Weight-bearing foundation box for preparation for assembly of SUB G right and left operator</p>		<p>N728002 - BSC</p> <p>Arm for installation of SUB out of the gate axis</p>
	<p>D111013 - ME</p> <p>Control board for 12Vac solenoid lock for 230V automation systems</p>		<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>
	<p>new D114094 00002 - RADIUS LED AC A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>		<p>new D114093 00002 - RADIUS LED AC A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>

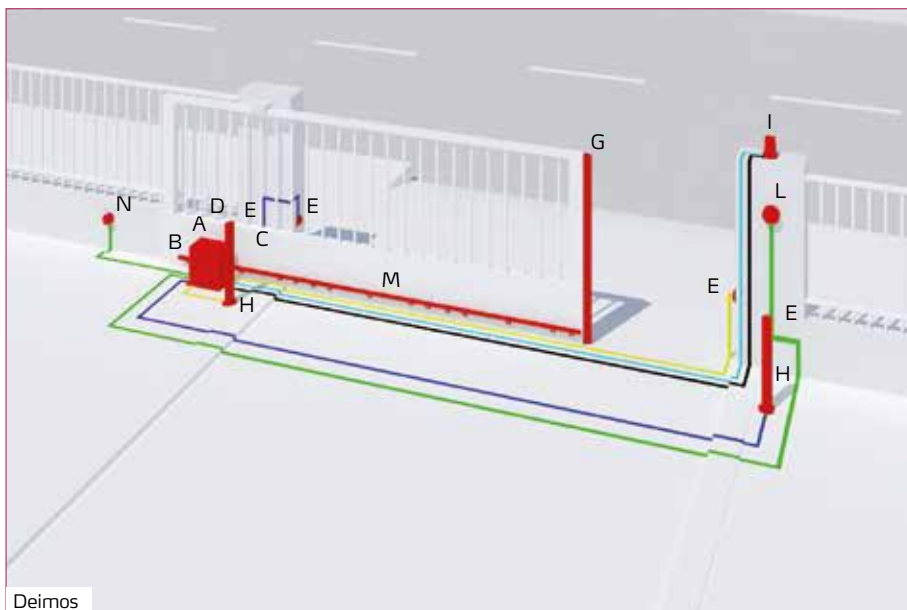


Sliding gate automation systems

Guide to choosing

Max. door/ gate weight	Supply voltage	Frequency of use	Kit	Operator	Plus
slide					
300 kg	24 V	intensive	-	DEIMOS BT A400 V	Limit switch Electromechanical
			-	DEIMOS BT A400 V SQ	Limit switch Electromechanical
			-	DEIMOS ULTRA BT A400 V	U-Link and Magnetic limit switch
360 kg	24 V		-	DEIMOS BT A400 V 120	Limit switch Electromechanical
			-	DEIMOS BT A600 V	Limit switch Electromechanical
			-	DEIMOS BT A600 V SQ	Limit switch Electromechanical
370 kg	120 V	Semi intensive	-	DEIMOS ULTRA BT A600 V	U-Link and Magnetic limit switch
			-	DEIMOS BT A600 V 120	Limit switch Electromechanical
			-	DEIMOS AC A600 120 V	Unit with removable standard terminals Frontal screws
400 kg	24 V		-	DEIMOS AC A600 V	Unit with removable standard terminals Frontal screws
			-	DEIMOS BT A400	Limit switch Electromechanical
			-	DEIMOS BT A400 SQ	Limit switch Electromechanical
400 kg	120 V	Semi intensive	●	DEIMOS BT KIT A400 FRA	Limit switch Electromechanical
			-	DEIMOS ULTRA BT A400	U-Link and Magnetic limit switch
			●	DEIMOS ULTRA BT KIT A400 FRA	U-Link and Magnetic limit switch
			-	DEIMOS BT A400 120	Limit switch Electromechanical
			-	DEIMOS AC A800 120 V	Brake and clutch electronically managed. Limit switch Electromechanical
			-	DEIMOS AC A800 120 V SL DN	Brake and clutch electronically managed. Limit switch Electromechanical
500 kg	24 V	intensive	-	DEIMOS AC A800 V SL DN	Brake and clutch electronically managed. Limit switch Electromechanical
			-	ARES VELOCE SMART BT A 500	
			●	ARES VELOCE SMART BT KIT A500 INT	
			-	ARES BT A1000 V	Limit switch Electromechanical
			-	DEIMOS BT A600	Limit switch Electromechanical
			-	DEIMOS BT A600 SQ	Limit switch Electromechanical
600 kg	120 V	Semi intensive	●	DEIMOS BT KIT A600 FRA	Limit switch Electromechanical
			-	DEIMOS ULTRA BT A600	U-Link and Magnetic limit switch
			●	DEIMOS ULTRA BT KIT A600 FRA	U-Link and Magnetic limit switch
			-	DEIMOS BT A600 120	Limit switch Electromechanical
			-	DEIMOS AC A600 120	Unit with removable standard terminals Frontal screws
			-	DEIMOS AC A600	Unit with removable standard terminals. Frontal screws.
750 kg	24 V	intensive	-	DEIMOS AC A600 SQ	Frontal screws
			●	DEIMOS AC KIT A600 FRA	Unit with removable standard terminals. Frontal screws.
			-	ARES BT A1500 V	Limit switch Electromechanical
			-	DEIMOS AC A800 120	Brake and clutch electronically managed. Limit switch Electromechanical
			-	DEIMOS AC A800 120 SL DN	Brake and clutch electronically managed. Limit switch Electromechanical
			-	DEIMOS AC A800 SL DN	Brake and clutch electronically managed. Limit switch Electromechanical
800 kg	230 V	Semi intensive	●	DEIMOS AC KIT A800 INT SL DN	Brake and clutch electronically managed. Limit switch Electromechanical
			-	ARES BT A1000	Limit switch Electromechanical
			-	ARES ULTRA BT A1000	U-Link and Magnetic limit switch
			-	ARES ULTRA BT A1000 120	U-Link and Magnetic limit switch
			-	ICARO SMART AC A2000 V 120	Control unit arranged for communication with U-link protocol and tamper-proof function. Operator with absolute encoder and torque management with D-track system.
			-	ICARO VELOCE SMART AC A1000	
1000 kg	230 V	very intensive	-	ICARO SMART AC A2000 V	Control unit for communication with U-Link protocol and with burglar-resistant function.
			-	ICARO SMART AC A2000 V SQ	Limit switch Electromechanical. Equipped with mechanical safety clutch.
			-	ARES BT A1500	Limit switch Electromechanical
			-	ARES ULTRA BT A1500	U-Link and Magnetic limit switch
			-	ARES ULTRA BT A1500 120	U-Link and Magnetic limit switch
			-	ICARO SMART AC A2000 120	Control unit arranged for communication with U-link protocol and tamper-proof function. Operator with absolute encoder and torque management with D-track system.
1500 kg	400 V	very intensive	-	ICARO SMART AC A2000	Control unit for communication with U-Link protocol and with tamper-proof function.
			-	ICARO SMART AC A2000 SQ	Limit switch Electromechanical. Equipped with mechanical safety clutch.
			-	ICARO ULTRA AC A2000	Control unit for communication with U-Link protocol and with tamper-proof function.
			-	SP3500 TRI 230	Control unit with display and U-Link communication protocol
			-	SP3500 TRI 400	Control unit with display and U-Link communication protocol
			-	SP3500 SF TRI 400	Control unit with display and U-Link communication protocol

Installation guide



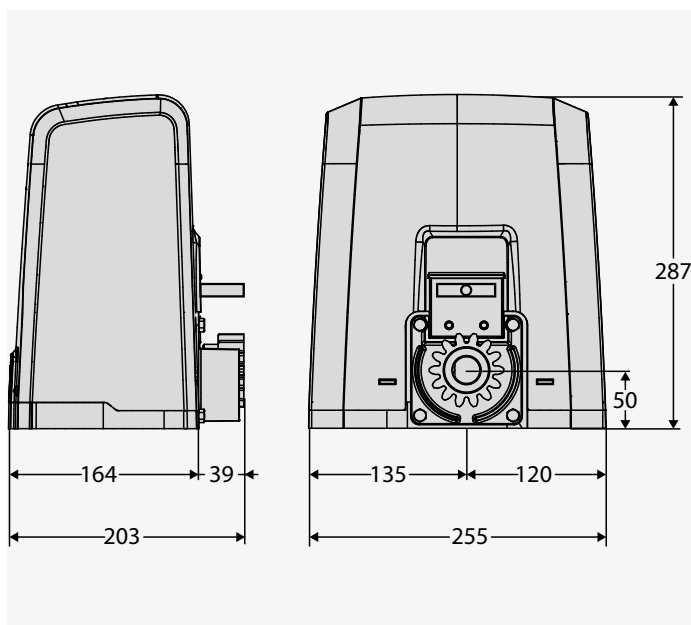
Deimos

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
F	Photocell safety edge
G	Sensitive edge
H	Post
I	Flashing Beacon
L	Control system (key selector switch, keypad, badge reader)
M	Rack
O	Solar panel
	2x1.5
	3x1.5
	RG 58
	5x1
	2x1
	9x0.5



Range of operators for sliding gates weighing up to 600 Kg.
Maximum leaf speed up to 16 m/min.
Residential use.
Power supply 24V.

Dimension (mm)



Technical features

	DEIMOS BT A400	DEIMOS BT A400 V	DEIMOS BT A400 SQ	DEIMOS BT A400 V SQ	DEIMOS BT A400 120	DEIMOS BT A400 V 120
Control unit	HAMAL	HAMAL	---	---	HAMAL	HAMAL
Board power supply	230 V	230 V	230 V	230 V	120 V	120 V
Supply voltage	24 V	24 V	24 V	24 V	120 V	120 V
Power consumption	50 W	50 W	50 W	50 W	50 W	50 W
Max. door/gate weight	400 kg	300 kg	400 kg	300 kg	400 kg	300 kg
Gate speed	12 m/min	16 m/min	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	DEIMOS BT A600	DEIMOS BT A600 V	DEIMOS BT A600 SQ	DEIMOS BT A600 V SQ	DEIMOS BT A600 120	DEIMOS BT A600 V 120
Control unit	HAMAL	HAMAL	---	---	HAMAL	HAMAL
Board power supply	230 V	230 V	230 V	230 V	120 V	120 V
Supply voltage	24 V	24 V	24 V	24 V	120 V	120 V
Power consumption	70 W	70 W	70 W	70 W	70 W	70 W
Max. door/gate weight	600 kg	360 kg	600 kg	360 kg	600 kg	360 kg
Gate speed	12 m/min	16 m/min	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description
P925222 00002	DEIMOS BT A400	Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P925222 00003	DEIMOS BT A400 V	Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical
P925222 00005	DEIMOS BT A400 SQ	Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P925222 00006	DEIMOS BT A400 V SQ	Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical
P925222 00001	DEIMOS BT A400 120	Operator 120 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P925222 00004	DEIMOS BT A400 V 120	Operator 120 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical
P925224 00002	DEIMOS BT A600	Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P925224 00003	DEIMOS BT A600 V	Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical
P925224 00005	DEIMOS BT A600 SQ	Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P925224 00006	DEIMOS BT A600 V SQ	Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical
P925224 00001	DEIMOS BT A600 120	Operator 120 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P925224 00004	DEIMOS BT A600 V 120	Operator 120 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical
R925267 00002	DEIMOS BT KIT A400 FRA	Complete kit 24 V for sliding gates weighing up to 400 kg. Leaf speed 12 m/min. Limit switch Electromechanical
R925271 00002	DEIMOS BT KIT A600 FRA	Complete kit 24 V for sliding gates weighing up to 600 kg. Leaf speed 12 m/min. Limit switch Electromechanical

HAMAL: Control panel with trimmer and dip switch for one operator, 230V - 70W

HAMAL - Built in



- Control panel with trimmer and dip switch for one operator, 230V - 70W
- Application: built-in control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main features: removable terminal blocks with new standard colour-coding, dip-switch programming and potentiometers, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Principal functions: automatic closing, pedestrian opening with remote control only, 8k2 obstruction sensor input, rapid closure




RECOMMENDED ACCESSORIES

	new D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.		new D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.
	new D114094 00003 - RADIUS LED BT A R0 Flashing light without incorporated antenna for motors with power supply 24 V.		new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc
	D221073 - CP plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots Max. load capacity 600 kg.		D571053 - CVZ steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw on supports Max. load capacity 1000 kg.
	N999320 - CVZ-S steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports Max. load capacity 800 kg.		N999151 - SFD Base plate for DEIMOS series (supplied with operator)
	P125035 - SL BAT2 Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.		



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

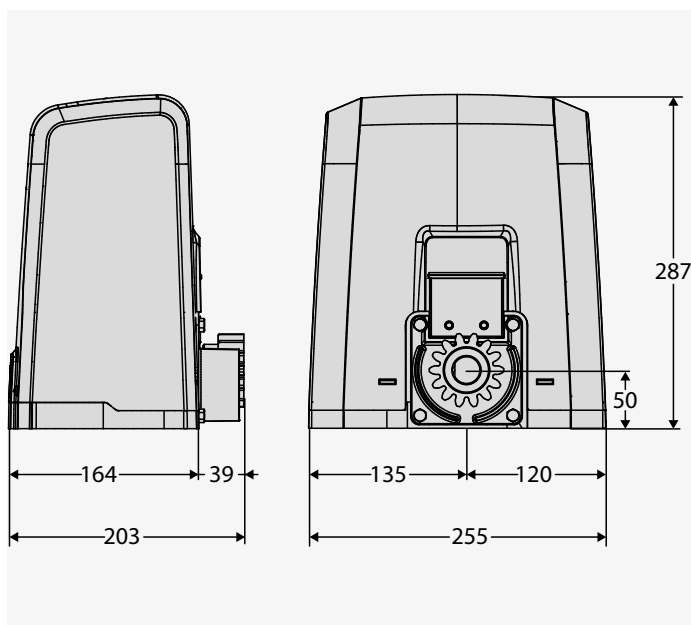
P. 278 signalling devices
P. 278 safety devices - photocells and accessories
P. 279 safety devices - sensitive edges
P. 280 rubber profiles
P. 280 solenoid locks
P. 281 release systems
P. 281

P. 283
P. 283
P. 285
P. 285
P. 286
P. 287



Range of operators for sliding gates weighing up to 600 Kg.
Maximum leaf speed up to 16 m/min.
Newly designed magnetic limit switch for quicker installation; precise and perfectly integrated with architecture of site.
Residential use.
Control unit designed for use with the Blue Entry system.

Dimension (mm)



Technical features

	DEIMOS ULTRA BT A400	DEIMOS ULTRA BT A400 V	DEIMOS ULTRA BT A600	DEIMOS ULTRA BT A600 V
Control unit	MERAK SL1	MERAK SL1	MERAK SL2	MERAK SL2
Board power supply	230 V	230 V	230 V	230 V
Supply voltage	24 V	24 V	24 V	24 V
Power consumption	50 W	50 W	70 W	70 W
Max. door/gate weight	400 kg	300 kg	600 kg	360 kg
Gate speed	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Magnetic	Magnetic	Magnetic	Magnetic
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP44	IP44	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description	
P925221 00002	DEIMOS ULTRA BT A400	Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. U-Link and Magnetic limit switch	U-Link
P925221 00003	DEIMOS ULTRA BT A400 V	Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. U-Link and Magnetic limit switch	U-Link
P925223 00002	DEIMOS ULTRA BT A600	Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. U-Link and Magnetic limit switch	U-Link
P925223 00003	DEIMOS ULTRA BT A600 V	Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. U-Link and Magnetic limit switch	U-Link
R925265 00002	DEIMOS ULTRA BT KIT A400 FRA	Complete kit 24 V for sliding gates weighing up to 400 kg. Leaf speed 12 m/min. U-Link and Magnetic limit switch	U-Link
R925269 00002	DEIMOS ULTRA BT KIT A600 FRA	Complete kit 24 V for sliding gates weighing up to 600 kg. Leaf speed 12 m/min. U-Link and Magnetic limit switch	U-Link

MERAK: Incorporated control unit for one 24V operator for sliding gates

MERAK - Built in



- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main functions: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Compatibility: HQSC-D, QSC-D MA
- Principal features: removable terminal boards with new colour standard, simplified scenario programming with display, integrated dual channel receiver, protection against crushing based on D-Track system, slowdown during opening and closing

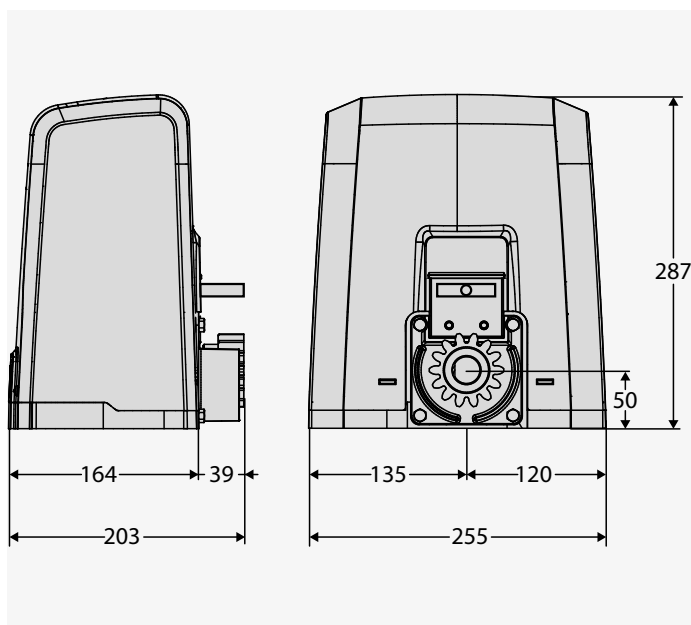
RECOMMENDED ACCESSORIES

<p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>	<p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>
<p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>	<p>D221073 - CP</p> <p>plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots Max. load capacity 600 kg.</p>
<p>D571053 - CVZ</p> <p>steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw on supports Max. load capacity 1000 kg.</p>	<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>
<p>N999320 - CVZ-S</p> <p>steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports Max. load capacity 800 kg.</p>	<p>N999151 - SFD</p> <p>Base plate for DEIMOS series (supplied with operator)</p>
<p>P111468 - B EBA RS 485 LINK</p> <p>Expansion board for connection of central units with serial controls management</p>	<p>P125035 - SL BAT2</p> <p>Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.</p>



Range of residential operators for sliding gates weighing up to 800 Kg.
Electromechanical limit switch, 230V supply power.

Dimension (mm)



Technical features

	DEIMOS AC A600	DEIMOS AC A600 SQ	DEIMOS AC A600 V	DEIMOS AC A600 120	DEIMOS AC A600 120 V	DEIMOS AC A800 SL DN
Control unit	SHYRA AC	Not present	SHYRA AC	SHYRA AC	SHYRA AC	SHYRA-F AC
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Supply voltage	230 V	230 V	230 V	120 V	120 V	230 V
Power consumption	400 W	400 W	400 W	400 W	400 W	300 W
Max. door/gate weight	600 kg	600 kg	370 kg	600 kg	370 kg	800 kg
Gate speed	9 m/min	9 m/min	11 m/min	9 m/min	11 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4	4	4
Slowdown	no	no	no	no	no	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Mechanical clutch	Mechanical clutch	Mechanical clutch	Mechanical clutch	Mechanical clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

	DEIMOS AC A800 SQ	DEIMOS AC A800 V SL DN	DEIMOS AC A800 120	DEIMOS AC A800 120 SL DN	DEIMOS AC A800 120 V	DEIMOS AC A800 120 V SL DN
Control unit	Not present	SHYRA-F AC	SHYRA-F AC	SHYRA-F AC	SHYRA-F AC	SHYRA-F AC
Board power supply	230 V	230 V	230 V	230 V	230 V	230 V
Supply voltage	230 V	230 V	120 V	120 V	120 V	120 V
Power consumption	400 W	300 W	300 W	300 W	300 W	300 W
Max. door/gate weight	800 kg	400 kg	800 kg	800 kg	400 kg	400 kg
Gate speed	9 m/min	11 m/min	9 m/min	9 m/min	11 m/min	11 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4	4	4
Slowdown	no	Yes	no	Yes	no	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Electronic clutch	Electronic clutch	Electronic clutch	Electronic clutch	Electronic clutch	Electronic clutch
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description
P925230 00002	DEIMOS AC A600	Operator 230 V for sliding gates up to 600 kg in weight. Leaf speed 9 m/min. Unit with removable standard terminals. Frontal screws.
P925230 00005	DEIMOS AC A600 SQ	Operator 230 V for sliding gates up to 600 kg in weight. Leaf speed 9 m/min. Frontal screws
P925230 00003	DEIMOS AC A600 V	Operator 230 V for sliding gates up to 370 kg in weight. Leaf speed 11 m/min. Unit with removable standard terminals Frontal screws
P925230 00001	DEIMOS AC A600 120	Operator 120 V for sliding gates up to 600 kg in weight. Leaf speed 9 m/min. Unit with removable standard terminals Frontal screws
P925230 00004	DEIMOS AC A600 120 V	Operator 120 V for sliding gates up to 370 kg in weight. Leaf speed 11 m/min. Unit with removable standard terminals Frontal screws
P925253 00002	DEIMOS AC A800 SL DN	Operator 230 V for sliding gates up to 800 kg in weight. Leaf speed 9 m/min. Brake and clutch electronically managed. Limit switch Electromechanical
P925231 00005	DEIMOS AC A800 SQ	Operator 230 V for sliding gates up to 800 kg in weight. Leaf speed 9 m/min. Brake and clutch electronically managed. Limit switch Electromechanical
P925253 00003	DEIMOS AC A800 V SL DN	Operator 230 V for sliding gates up to 400 kg in weight. Leaf speed 11 m/min. Brake and clutch electronically managed. Limit switch Electromechanical
P925231 00001	DEIMOS AC A800 120	Operator 120 V for sliding gates up to 800 kg in weight. Leaf speed 9 m/min. Brake and clutch electronically managed. Limit switch Electromechanical
P925253 00001	DEIMOS AC A800 120 SL DN	Operator 120 V for sliding gates up to 800 kg in weight. Leaf speed 9 m/min. Brake and clutch electronically managed. Limit switch Electromechanical
P925231 00004	DEIMOS AC A800 120 V	Operator 120 V for sliding gates up to 400 kg in weight. Leaf speed 11 m/min. Brake and clutch electronically managed. Limit switch Electromechanical
P925253 00004	DEIMOS AC A800 120 V SL DN	Operator 120 V for sliding gates up to 400 kg in weight. Leaf speed 11 m/min. Brake and clutch electronically managed. Limit switch Electromechanical
R925281 00002	DEIMOS AC KIT A600 FRA	Complete kit 230 V for sliding gates weighing up to 600 kg. Leaf speed 9 m/min. Unit with removable standard terminals Frontal screws
R925332 00002	DEIMOS AC KIT A800 INT SL DN	Complete kit 230 V for sliding gates weighing up to 800 kg. Leaf speed 9 m/min. Brake and clutch electronically managed. Limit switch Electromechanical

SHYRA AC: SHYRA AC control panel

SHYRA AC - Built in



- Main features: removable terminal blocks, settings controlled by potentiometers, LED-based fault reporting and incorporated dual channel receiver, two safety verified inputs, one of wich dedicated to 8k2 safety edge.
- Control panel for DEIMOS AC A600 range of sliding operators
- Card power supply: 230V single-phase
- Operator power supply: 230 V single-phase, max. 500 W
- Main functions: pedestrian opening (only by remote control), quick closing, pulse blocking

SHYRA-F AC: control board SHYRA-F AC

SHYRA-F AC - Built in



- Control panel for DEIMOS AC A800 sliding gate operator range.
- Main features: removable terminal blocks, settings controlled by potentiometers, LED-based fault reporting and incorporated dual channel receiver, electronic clutch management via trimmer, two verified safety inputs, one of wich dedicated to 8k2 safety edge.
- Card power supply: 230V single-phase
- Operator power supply: 230 V single-phase, max. 500 W
- Main functions: pedestrian opening (only by remote control), quick closing, pulse blocking

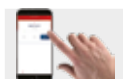


RECOMMENDED ACCESSORIES

	<p>D221073 - CP</p> <p>plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots Max. load capacity 600 kg.</p>		<p>N999151 - SFD</p> <p>Base plate for DEIMOS series (supplied with operator)</p>
	<p>N999320 - CVZ-S</p> <p>steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports Max. load capacity 800 kg.</p>		<p>new D114093 00002 - RADIUS LED AC A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>
	<p>new D114094 00002 - RADIUS LED AC A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>		<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>
	<p>D571053 - CVZ</p> <p>steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw on supports Max. load capacity 1000 kg.</p>		



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278 signalling devices
P. 278 safety devices - photocells and accessories
P. 279 safety devices - sensitive edges
P. 280 rubber profiles
P. 280 solenoid locks
P. 281 release systems
P. 281

P. 283
P. 283
P. 285
P. 285
P. 286
P. 287

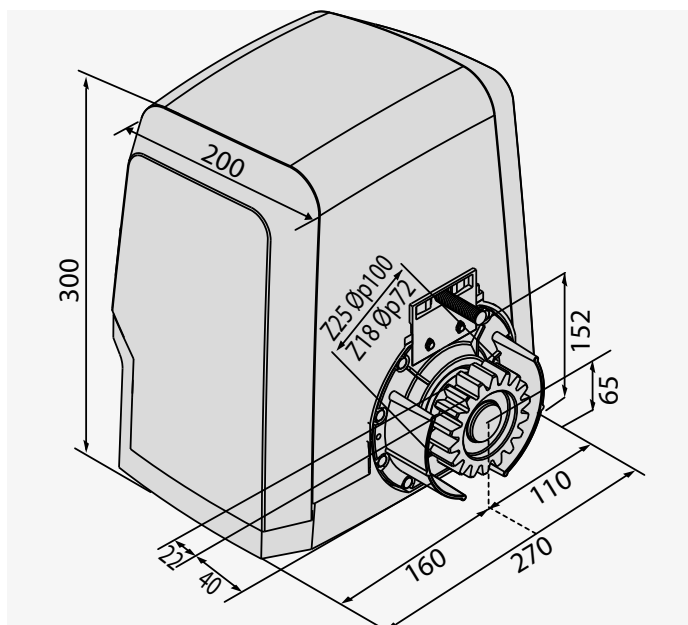


- 24 V
- er ready
- d-track
- ee link
- U-Link



Fast-action 24V operator for intensive use for sliding gates up to 500kg. Speed without load 25 m/min. Torque control thanks to D-Track technology. Control unit for communication with U-Link protocol. Operator with electromagnetic limit switch. The ideal solution for situations which require fast operating speeds, reduced waiting times and high levels of security.

Dimension (mm)



Technical features

	ARES VELOCE SMART BT A 500
Control unit	MERAK SV
Frequency of use	intensive
Board power supply	230 V
Protection rating	IP24
Supply voltage	24 V
Environmental conditions	-20 ÷ 55 °C
Power consumption	400 W
Pinion module	4 mm (25 teeth)
Speed without load	25 m/min
Speed with resistance force of 80N	22 m/min
Max. door/gate weight	500 kg
Max torque	20 nm
Impact reaction	BK2 safety edge (not supplied)
Locking	Mechanical
Manual cycle	Mechanical release with lever

Code	Name		Description	
P926198 00002	ARES VELOCE SMART BT A 500	new	24 V operator for sliding gates weighing up to 500 kg. Speed without load 25 m/min.	 U-Link
R925342 00001	ARES VELOCE SMART BT KIT A500 INT	new	Complete kit 24 V for sliding gates weighing up to 500 kg. Leaf speed 25 m/min.	

MERAK SV: Specific integrated control unit for ARES SMART BT A500 for a 24V operator.

MERAK SV - Built in



- Specific integrated control unit for ARES SMART BT A500 for a 24V operator.
- Main functions: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Key properties: removable terminal block, colour-coded, simplified programming of scenarios with display, integrated two-channel receiver, slowdown during opening and closing.

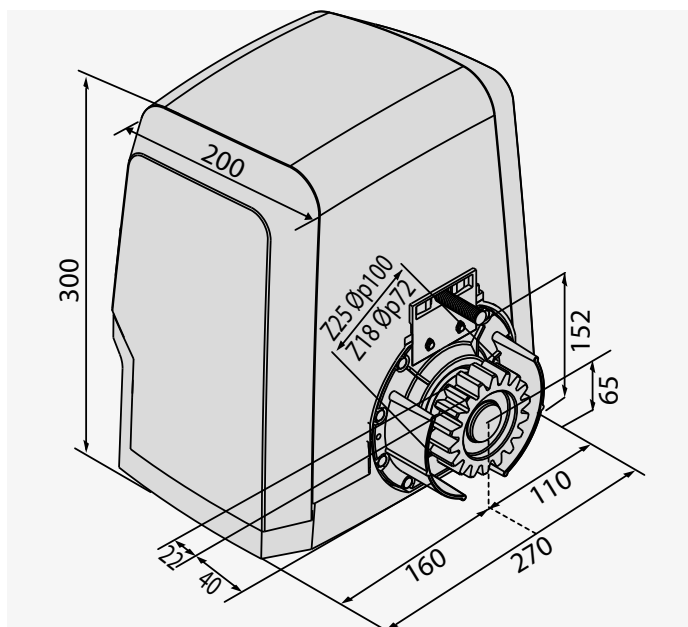
RECOMMENDED ACCESSORIES

D571054 - CFZ galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding Max. load capacity 2000 kg.	N999156 - SFI Base plate for ARES and ICARO (supplied with operator)
P125018 - THEKE B PRA 01 Metal protection box for ARES and ICARO series sliding operators	P111468 - B EBA RS 485 LINK Expansion board for connection of central units with serial controls management
P125035 - SL BAT2 Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.	new R920110 - CSR99 20 Kit for 8k2 resistive safety edges, length 2 metres, with 99 mm-high EPDM rubber strip, aluminium section, 2 contact terminals, 2 caps, 1 x 8.2 kOhm resistance connector and connection cable.
new R920111 - TRWB Wireless transmission system for resistive safety edges comprising transmitter and receiver.	new P125050 - TWB Wireless transmitter for resistive safety edges.
new D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.	new D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.
new D114094 00003 - RADIUS LED BT A R0 Flashing light without incorporated antenna for motors with power supply 24 V.	new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc



Range of 24V sliding gate operators for intensive use with leaves up to 1500 kg, maximum leaf speed 12 m/min

Dimension (mm)



Technical features

	ARES BT A1000 V	ARES BT A1500 V	ARES BT A1000	ARES BT A1500
Control unit	HAMAL	HAMAL	HAMAL	HAMAL
Board power supply	230 V	230 V	230 V	230 V
Supply voltage	24 V	24 V	24 V	24 V
Power consumption	240 W	400 W	240 W	400 W
Max. door/gate weight	500 kg	750 kg	1000 kg	1500 kg
Gate speed	12 m/min	12 m/min	9 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Knob operated with personal key	Knob operated with personal key	Knob operated with personal key	Knob operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description
P926190 00002	ARES BT A1000 V	Operator 24 V for sliding gates up to 500 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P926188 00002	ARES BT A1500 V	Operator 24 V for sliding gates up to 750 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical
P926189 00002	ARES BT A1000	Operator 24 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical
P926187 00002	ARES BT A1500	Operator 24 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical

HAMAL: Control panel with trimmer and dip switch for one operator, 230V - 70W

HAMAL - Built in



- Control panel with trimmer and dip switch for one operator, 230V - 70W
- Application: built-in control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main features: removable terminal blocks with new standard colour-coding, dip-switch programming and potentiometers, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Principal functions: automatic closing, pedestrian opening with remote control only, 8k2 obstruction sensor input, rapid closure

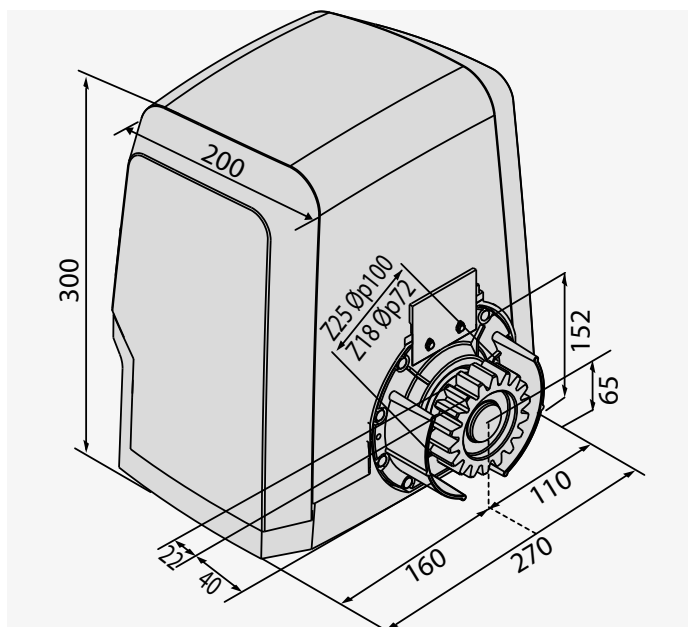
RECOMMENDED ACCESSORIES

	D221073 - CP plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots Max. load capacity 600 kg.		N999320 - CVZ-S steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports Max. load capacity 800 kg.
	D571053 - CVZ steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw on supports Max. load capacity 1000 kg.		D571054 - CFZ galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding Max. load capacity 2000 kg.
	N999156 - SFI Base plate for ARES and ICARO (supplied with operator)		P125035 - SL BAT2 Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.
	P125018 - THEKE B PRA 01 Metal protection box for ARES and ICARO series sliding operators		new D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.
	new D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.		new D114094 00003 - RADIUS LED BT A R0 Flashing light without incorporated antenna for motors with power supply 24 V.
	new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc		



24 V sliding gates operator for intensive use, up to 1500 Kg in weight. Leaf speed up to 9 m/min. Magnetic limit switch and control board with U-link protocol embedded

Dimension (mm)



Technical features

	ARES ULTRA BT A1000	ARES ULTRA BT A1000 120	ARES ULTRA BT A1500	ARES ULTRA BT A1500 120
Control unit	MERAK	MERAK	MERAK	MERAK
Board power supply	230 V	120 V	230 V	120 V
Supply voltage	24 V	120 V	24 V	120 V
Power consumption	240 W	240 W	400 W	400 W
Max. door/gate weight	1000 kg	1000 kg	1500 kg	1500 kg
Gate speed	9 m/min	9 m/min	9 m/min	9 m/min
Type of limit switch	Magnetic	Magnetic	Magnetic	Magnetic
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP44	IP44	IP44	IP44
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description	
P926193 00002	ARES ULTRA BT A1000	Operator 24 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. U-Link and Magnetic limit switch	U-Link
P926193 00001	ARES ULTRA BT A1000 120	Operator 120 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. U-Link and Magnetic limit switch	U-Link
P926191 00002	ARES ULTRA BT A1500	Operator 24 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. U-Link and Magnetic limit switch	U-Link
P926191 00001	ARES ULTRA BT A1500 120	Operator 120 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. U-Link and Magnetic limit switch	U-Link

MERAK: Incorporated control unit for one 24V operator for sliding gates

MERAK - Built in



- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 24V 80W
- Main functions: automatic closing, quick closing, pedestrian passage, people-present operation, maintenance warnings.
- Compatibility: HQSC-D, QSC-D MA
- Principal features: removable terminal boards with new colour standard, simplified scenario programming with display, integrated dual channel receiver, protection against crushing based on D-Track system, slowdown during opening and closing

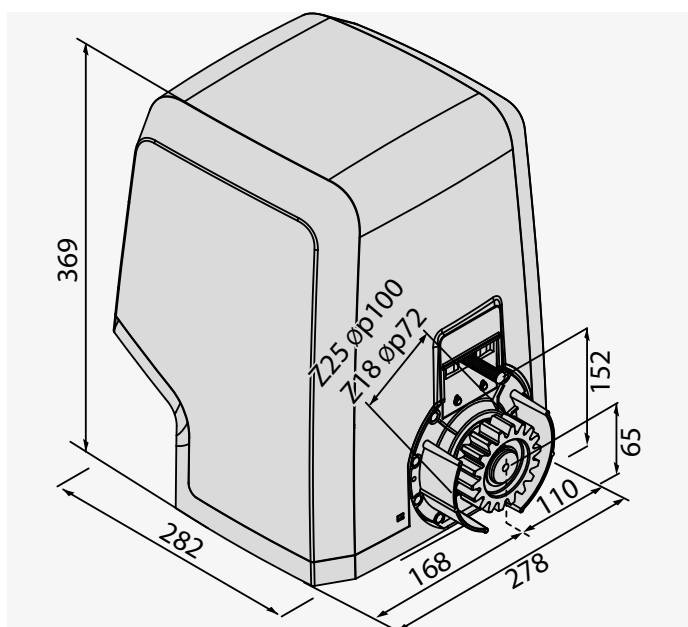
RECOMMENDED ACCESSORIES

	D221073 - CP plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots Max. load capacity 600 kg.		N999320 - CVZ-S steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports Max. load capacity 800 kg.
	D571053 - CVZ steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw on supports Max. load capacity 1000 kg.		D571054 - CFZ galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding Max. load capacity 2000 kg.
	new D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.		new D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.
	new D114094 00003 - RADIUS LED BT A R0 Flashing light without incorporated antenna for motors with power supply 24 V.		new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc
	P111468 - B EBA RS 485 LINK Expansion board for connection of central units with serial controls management		P125035 - SL BAT2 Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.
	P125018 - THEKE B PRA 01 Metal protection box for ARES and ICARO series sliding operators		N999156 - SFI Base plate for ARES and ICARO (supplied with operator)



230 V operators for sliding gates for very intensive use, extremely sturdy and high-performance thanks to oil bath transmission. Speed without load 25 m/min. Control of torque via D-track technology and absolute encoder for maximum precision of movement. Control unit provided for communication with U-link protocol and with tamper-proof function. Operator with electromechanical limit switch. The control unit ensures complete safety thanks to the exclusive torque control system that makes these operators comply fully with the current European standards.

Dimension (mm)



Technical features

	ICARO VELOCE SMART AC A1000
Control unit	LEO B CBB SV
Board power supply	230 V
Supply voltage	230 V
Power consumption	750 W
Pinion module	4 mm (25 teeth)
Gate speed	25 m/min
Max. door/gate weight	1000 kg
Max torque	40 nm
Impact reaction	8K2 safety edge (not supplied)
Locking	Mechanical
Manual cycle	Mechanical release with lever
Frequency of use	very intensive
Protection rating	IP24
Environmental conditions	-15 ÷ 55 °C

Code	Name		Description	
P925256 00002	ICARO VELOCE SMART AC A1000		230V operator for sliding gates weighing up to 1,000kg with absolute encoder. Gate panel speed 25 m/min. Electromechanical limit switch. With mechanical safety clutch, manages torque using D-Track technology and oil bath gearbox. Control unit for communication with U-Link protocol and with tamper-proof function.	

LEO B CBB SV: Incorporated control unit for one 230V operator for sliding gates

LEO B CBB SV - Built in



- Incorporated control unit for one 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

RECOMMENDED ACCESSORIES

	D571054 - CFZ		N999156 - SFI
	galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding Max. load capacity 2000 kg.		Base plate for ARES and ICARO (supplied with operator)
	P125018 - THEKE B PRA 01		P111468 - B EBA RS 485 LINK
	Metal protection box for ARES and ICARO series sliding operators		Expansion board for connection of central units with serial controls management
	P125035 - SL BAT2		R920110 - CSR99 20
	Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.		Kit for 8k2 resistive safety edges, length 2 metres, with 99 mm-high EPDM rubber strip, aluminium section, 2 contact terminals, 2 caps, 1 x 8.2 kOhm resistance connector and connection cable.
	R920111 - TRWB		P125050 - TWB
	Wireless transmission system for resistive safety edges comprising transmitter and receiver.		Wireless transmitter for resistive safety edges.
	D114093 00002 - RADIUS LED AC A R1		D114094 00002 - RADIUS LED AC A R0
	Flashing light with incorporated antenna for motors with power supply 230 V.		Flashing light without incorporated antenna for motors with power supply 230 V.
	P111782 - COMPACTA A20-180		
	Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc		

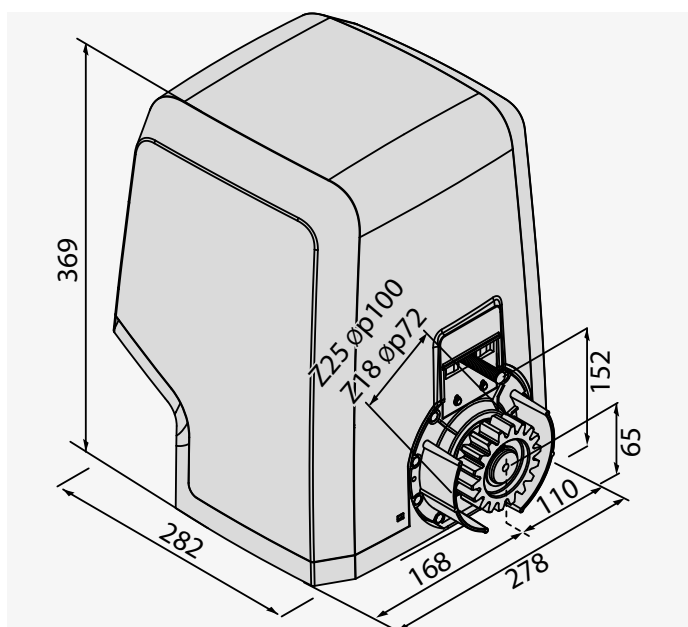


- Encoder
- Oil Gear
- U-Link
- rolling code
- d-track
- er ready
- ee link



230 V operators for sliding gates for very intensive use, extremely sturdy and high-performance thanks to oil bath transmission. Control of torque via D-track technology and absolute encoder for maximum precision of movement. Control unit provided for communication with U-link protocol and with tamper-proof function. Operator with electromechanical limit switch. The control unit ensures complete safety thanks to the exclusive torque control system that makes these operators comply fully with the current European standards.

Dimension (mm)



Technical features

	ICARO SMART AC A2000 V	ICARO SMART AC A2000 V SQ	ICARO SMART AC A2000	ICARO SMART AC A2000 SQ	ICARO SMART AC A2000 V 120	ICARO SMART AC A2000 120
Control unit	LEO B CBB L02	-	LEO B CBB L02	-	LEO B CBB L02	LEO B CBB L02
Board power supply	230 V	- V	230 V	- V	230 V	230 V
Supply voltage	230 V	230 V	230 V	230 V	120 V	120 V
Power consumption	750 W	750 W	750 W	750 W	750 W	750 W
Max. door/gate weight	1000 kg	1000 kg	2000 kg	2000 kg	1000 kg	2000 kg
Gate speed	12 m/min	12 m/min	9 m/min	9 m/min	12 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key	Lever-operated with personal key
Impact reaction	Mechanical clutch + encoder	Mechanical clutch + encoder	Mechanical clutch + encoder	Mechanical clutch + encoder	Mechanical clutch + encoder	Mechanical clutch + encoder
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 60 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description	
P925237 00002	ICARO SMART AC A2000 V	Operator 230 V for sliding gates up to 1000 kg with absolute encoder. Leaf speed 12 m/min. Limit switch Electromechanical. Equipped with mechanical safety clutch, torque management via D-track technology and gear unit in oil bath. Control unit for communication with U-Link protocol and with burglar-resistant function.	U-Link
P925237 00003	ICARO SMART AC A2000 V SQ	Operator 230 V for sliding gates up to 1000 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Equipped with mechanical safety clutch.	U-Link
P925236 00002	ICARO SMART AC A2000	Operator 230 V for sliding gates up to 2000 kg with absolute encoder. Leaf speed 9 m/min. Limit switch Electromechanical. Equipped with mechanical safety clutch, torque management via D-track technology and gear unit in oil bath. Control unit for communication with U-Link protocol and with tamper-proof function.	U-Link
P925236 00003	ICARO SMART AC A2000 SQ	Operator 230 V for sliding gates up to 2000 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Equipped with mechanical safety clutch.	
P925237 00001	ICARO SMART AC A2000 V 120	Operator 120 V for sliding gates up to 1000 kg with absolute encoder. Leaf speed 12 m/min. Limit switch Electromechanical. Equipped with mechanical safety clutch, torque management via D-track technology and gear unit in oil bath. Control unit arranged for communication with U-link protocol and tamper-proof function. Operator with absolute encoder and torque management with D-track system.	U-Link
P925236 00001	ICARO SMART AC A2000 120	Operator 120 V for sliding gates up to 2000 kg with absolute encoder. Leaf speed 9 m/min. Limit switch Electromechanical. Equipped with mechanical safety clutch, torque management via D-track technology and gear unit in oil bath. Control unit arranged for communication with U-link protocol and tamper-proof function. Operator with absolute encoder and torque management with D-track system.	U-Link

LEO B CBB L02: Incorporated control unit for one 230V operator for sliding gates

LEO B CBB L02 - Built in



- Incorporated control unit for one 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

RECOMMENDED ACCESSORIES

	D221073 - CP plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots Max. load capacity 600 kg.		N999320 - CVZ-S steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports Max. load capacity 800 kg.
	D571053 - CVZ steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw on supports Max. load capacity 1000 kg.		D571054 - CFZ galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding Max. load capacity 2000 kg.
	D114093 00002 - RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with power supply 230 V.		D114094 00002 - RADIUS LED AC A R0 Flashing light without incorporated antenna for motors with power supply 230 V.
	P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc		N999156 - SFI Base plate for ARES and ICARO (supplied with operator)
	P125018 - THEKE B PRA 01 Metal protection box for ARES and ICARO series sliding operators		P111468 - B EBA RS 485 LINK Expansion board for connection of central units with serial controls management

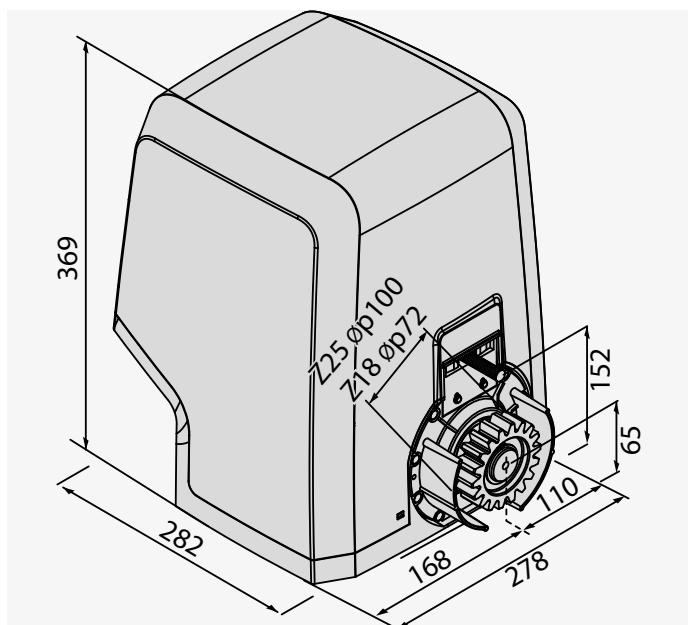


- er ready
- d-track
- rolling code
- U-Link
- ee link
- Encoder
- Oil Gear



230V sliding gate operators for very intensive use, extremely sturdy and high-performance thanks to oil bath transmission. Control of torque via D-track technology and absolute encoder for maximum precision of movement. Control unit arranged for communication with U-link protocol and with tamper-proof function. The control unit ensures complete safety thanks to the exclusive torque control system that makes these operators comply fully with the current European standards.

Dimension (mm)



Technical features

	ICARO ULTRA AC A2000
Control unit	LEO B CBB L02
Board power supply	230 V
Supply voltage	230 V
Power consumption	750 W
Max. door/gate weight	2000 kg
Gate speed	9 m/min
Type of limit switch	Magnetic
Pinion module	4
Slowdown	Yes
Locking	Mechanical
Release	Lever-operated with personal key
Impact reaction	Mechanical clutch + encoder
Frequency of use	very intensive
Protection rating	IP55
Environmental conditions	-20 ÷ 55 °C

Code	Name	Description	
P925238 00002	ICARO ULTRA AC A2000	Operator 230 V for sliding gates up to 2000 kg with absolute encoder. Leaf speed 9 m/min. Limit switch Magnetic. Equipped with mechanical safety clutch, torque management via D-track technology and gear unit in oil bath. Control unit for communication with U-Link protocol and with tamper-proof function.	

LEO B CBB L02: Incorporated control unit for one 230V operator for sliding gates

LEO B CBB L02 - Built in



- Incorporated control unit for one 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

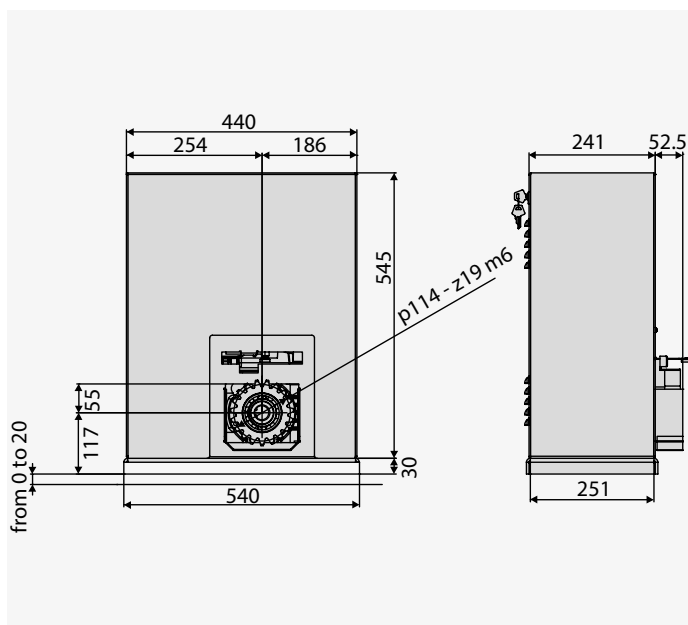
RECOMMENDED ACCESSORIES

	D221073 - CP plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots Max. load capacity 600 kg.		new D114093 00002 - RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with power supply 230 V.
	new D114094 00002 - RADIUS LED AC A R0 Flashing light without incorporated antenna for motors with power supply 230 V.		new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc
	N999320 - CVZ-S steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports Max. load capacity 800 kg.		D571054 - CFZ galvanized steel rack, 4-module, cross-section 22 x 22 mm, length 2 m, welding Max. load capacity 2000 kg.
	D571053 - CVZ steel rack, 4-module, cross-section 30 x 12 mm, length 1 m, screw on supports Max. load capacity 1000 kg.		N999156 - SFI Base plate for ARES and ICARO (supplied with operator)
	P125018 - THEKE B PRA 01 Metal protection box for ARES and ICARO series sliding operators		P111468 - B EBA RS 485 LINK Expansion board for connection of central units with serial controls management



Powerful, robust operators with 400V three-phase power supply designed specifically for large, heavy gates. The heavy structure of the gear motor, the painted galvanised steel casing and the on-board control unit make it the ideal solution for all industrial situations where reliability and power are essential.

Dimension (mm)



Technical features

	SP3500 TRI 230	SP3500 TRI 400	SP3500 SF TRI 400
Control unit	SIRIO CBB	SIRIO CBB	SIRIO CBB
Board power supply	230 V	400 V	400 V
Supply voltage	230 V	400 V	400 V
Power consumption	550 W	550 W	550 W
Max. door/gate weight	3500 kg	3500 kg	3500 kg
Gate speed	10,50 m/min	10 m/min	10 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical
Pinion module	6	6	6
Slowdown	no	no	no
Locking	Mechanical	Mechanical	Mechanical
Release	Hexagonal key	Hexagonal key	Hexagonal key
Impact reaction	Sensitive edge	Sensitive edge	Sensitive edge
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP54	IP54	IP54
Environmental conditions	-15 ÷ 50 °C	-15 ÷ 50 °C	-15 ÷ 50 °C

Code	Name	Description	
P925207 00002	SP3500 TRI 230	Operator 230 V for sliding gates weighing up to 3500 kg. Leaf speed 10.5 m/min. U-link and limit switch Electromechanical. Three-phase power supply 230 V. Fixing base included. Control unit with display and U-Link communication protocol	U-Link
P925207 00001	SP3500 TRI 400	Operator 400 V for sliding gates up to 3500 kg in weight. Gate speed 10 m/min. U-link and limit switch Electromechanical. Three-phase 400 V power supply. Anchorage base included. Operator with mechanical brake Control unit with display and U-Link communication protocol	U-Link
P925244 00003	SP3500 SF TRI 400	Operator 400 V for sliding gates weighing up to 3500 kg. Leaf speed 10 m/min. U-link and limit switch Electromechanical. Three-phase power supply 400 V. Fixing base included. Control unit with display and U-Link communication protocol	

SIRIO CBB 400V: 400V single operator control unit for sliding gates

SIRIO CBB 400V - Built in



- Main features: Removable terminal blocks with standard colour-coding, programming and diagnostics with display and U-Link communication protocol.
- Main functions: automatic re-closing, separate opening and closing
- Radio receiver not included
- Application: built-in 400V single operator control unit for sliding gates
- Board power supply: 400V three-phase

RECOMMENDED ACCESSORIES

	P111468 - B EBA RS 485 LINK			new D114093 00002 - RADIUS LED AC A R1
	Expansion board for connection of central units with serial controls management			Flashing light with incorporated antenna for motors with power supply 230 V.
	new D114094 00002 - RADIUS LED AC A R0			new P111782 - COMPACTA A20-180
	Flashing light without incorporated antenna for motors with power supply 230 V.			Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc
	D571491 - CFZ6			P125015 - SFSP
	galvanized steel rack, 6-module, cross-section 30 x 30 mm, length 2 m, welding Max. load capacity 4000 kg.			Adjustable anchor base for SP3500, supplied separately
	P125016 - SP3500 SAFETY			D111662 - CLONIX 2
	Safety microswitch for SP3500			Two-channel receiver with plug 433 MHz rolling code. 128 position memory. 24 Vac power supply.
	D111664 - CLONIX 2 2048			
	Dual channel 433 MHz rolling code plug-in receiver. 2048-position memory 24 Vdc Vac power supply.			

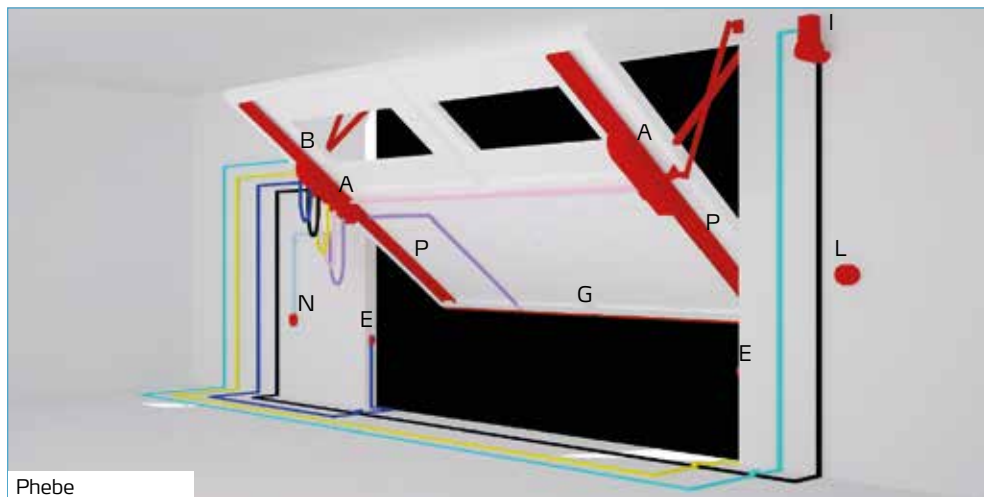


Automation systems for garage doors

Guide to choosing

Door surface area	Nominal voltage	Frequency of use	Kit	Operator	Plus
Sectional garage doors					
10 m ²	24 V	Semi intensive	-	TIZIANO B GDA 260 501	D-Track
			●	TIZIANO 3.5 CHAIN KIT	D-Track
13 m ²		intensive	-	BOTTICELLI BT A 650	D-Track
16 m ²			-	BOTTICELLI SMART BT A 850	D-Track Exclusive anti-intruder function.
20 m ²		very intensive	-	BOTTICELLI SMART BT A 1250	D-Track Exclusive anti-intruder function.
35 m ²			-	ARGO BT A 20	Built-in courtesy light
		-	ARGO BT A 35		
Overhead garage doors					
8 m ²	24 V	Semi intensive	-	PHEBE BT A U	Built-in control unit with D-Track
			-	PHEBE BT A SQ	Limit switch on-board the motor Limit switch Electromechanical
			-	PHEBE BT A U C	Built-in control unit with D-Track
			-	PHEBE BT A C SQ	Limit switch on-board the motor Limit switch Electromechanical
			-	PHEBE BT A U IP44	IP44
			-	PHEBE BT A SQ IP44	IP44 Limit switch Electromechanical
			-	PHEBE ULTRA BT A	Limit switch with IMU sensor
			-	PHEBE ULTRA BT A SQ	Limit switch with IMU sensor
		●	PHEBE BT A U KIT ITA	Built-in control unit with D-Track	
9 m ²	230 V	very intensive	-	BERMA	knob release
			-	BERMA SEB	lever for steel cable release
			-	BERMA R	knob release and hydraulic slowdown
			-	BERMA SEB R	lever for steel cable release and hydraulic slowdown
			-	BERMA SA R	automatic release and hydraulic slowdown

Installation guide



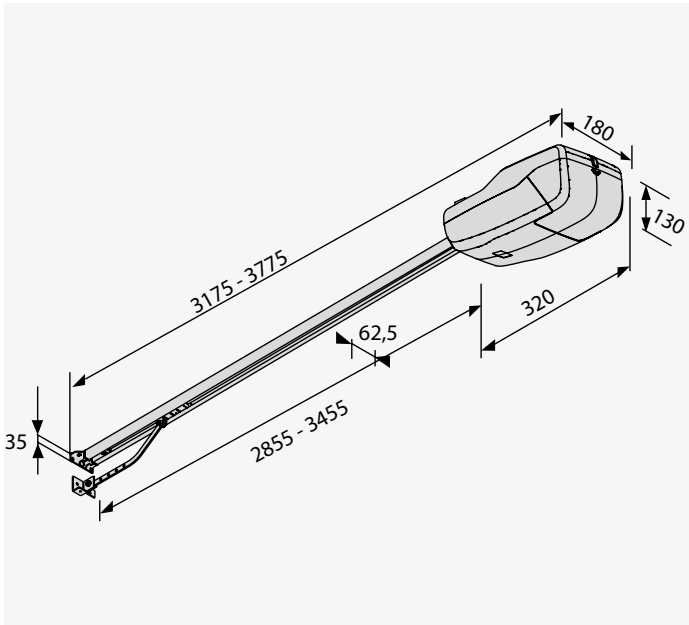
Phebe

A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
G	Sensitive edge
H	Post
I	Flashing Beacon
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
P	Fitting system
<hr/>	
	2x1.5
	3x1.5
	5x1.5
	RG 58
	3x1
	5x1
	2x1
	9x0.5
	4x2.5



Just 13 cm thick, the TIZIANO is one of the most compact operators on the market and can be installed in any architectural context. Thanks to the control unit's built-in radio receiver, TIZIANO can memorize the codes of 10 MITTO or KLEIO remote controls and/or wireless control systems such as RB, MIMEPAD or T-BOX.

Dimension (mm)



Technical features

	TIZIANO B GDA 260 501
Control unit	VENERE B GDA
Nominal voltage	24 V
Power consumption	100 W
Max. door/gate weight	60 kg
Door surface area	10 m ²
Gate speed	6,60 m/min
Type of limit switch	Encoder
Slowdown	Yes
Locking	Mechanical
Release	Steel cord or cable
Impact reaction	D-Track
Frequency of use	Semi intensive
Protection rating	IPX0
Environmental conditions	-20 ÷ 60 °C

Code	Name	Description
P915199 00002	TIZIANO B GDA 260 S01	Operator for sectional garage doors with tractive force 60 kg and Semi intensive use. Door surface area 10 m ² . Opening speed 6.6 m/min. D-Track
R935024 70001	TIZIANO 3.5 CHAIN KIT	Kit for non-reversible sectional garage doors with Semi intensive usage. Door surface area 10 m ² . Opening speed 10 m ² . D-Track

VENERE M B GDA: Control panel for one 24 V operator for garage doors

VENERE M B GDA - Built in



- Control panel for one 24 V operator for garage doors
- Application: control unit for 1 x 24 V garage door operator
- Card power supply: 230 V single-phase
- Operator power supply: 24V 100W
- Main features: dip-switch programming and potentiometers, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, automatic torque control

RECOMMENDED ACCESSORIES

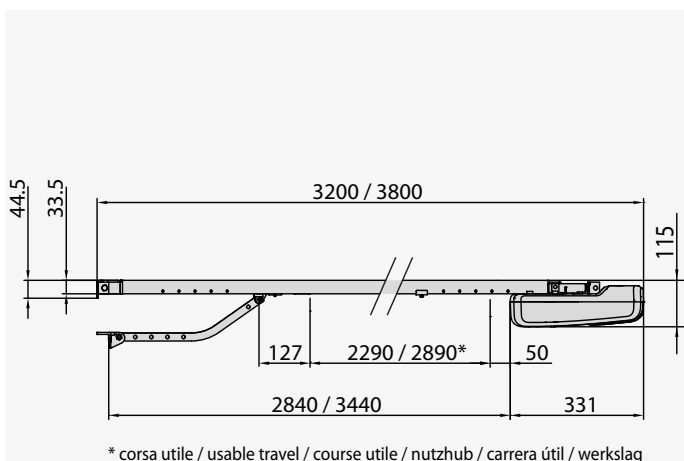
<p>P115015 00001 - BIN B GDA 3020 CAT</p> <p>Chain rail for TIZIANO B GDA, length 3020 mm, useful travel 2560 mm</p>	<p>P115015 00002 - BIN B GDA 3620 CAT</p> <p>Chain rail for TIZIANO B GDA, length 3620 mm, useful travel 3160 mm</p>
<p>P115015 00003 - BIN B GDA 2x1510 Cat</p> <p>Chain track divided into two halves for TIZIANO B GDA, length 3020 mm, useful travel 2560 mm</p>	<p>P115015 00004 - BIN B GDA 2x1810 Cat</p> <p>Chain track divided into two halves for TIZIANO B GDA, length 3620 mm, useful travel 3160 mm</p>
<p>P115026 00001 - BIN B GDA 3020 BELT</p> <p>Monoblock belt rail, length 3020 mm, useful length 2560 mm</p>	<p>P115026 00002 - BIN B GDA 3620 BELT</p> <p>Monoblock belt rail, length 3620 mm, useful length 3160 mm</p>
<p>P115026 00003 - BIN B GDA 2x1510 BELT</p> <p>Two-piece monoblock belt rail, length 3020 mm, useful length 2560 mm</p>	<p>P115026 00004 - BIN B GDA 2x1810 BELT</p> <p>Two-piece monoblock belt rail, length 3620 mm, useful length 3160 mm</p>
<p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>	<p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>
<p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>	<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>
<p>N999620 - SAS1 KIT B GDA 260 B01</p> <p>Brackets for ceiling mounting TIZIANO B GDA up to max 30 cm</p>	<p>N999621 - SAS2 KIT B GDA 260 B01</p> <p>Brackets for ceiling mounting TIZIANO B GDA up to max 50 cm</p>
<p>P115005 - SM1</p> <p>External manual release for overhead garage door (1 operator)</p>	<p>N733069 - SET/S</p> <p>External release for insulated sectional and overhead doors of thickness up to 50 mm.</p>



Electromechanical operators for intensive/very intensive use, designed for the automation of sectional garage doors. Features a very compact design, suitable for installation in any situation, thanks to the wide range of chain rails available in various lengths.

The control unit and limit switch with encoder with mechanical stop are incorporated in the operator and rail respectively. The intensity of use makes them suitable for any type of installation, both residential and municipal. The quick Set-Up function from the ground makes installation fast and easy. The high opening speed minimises waiting times and maximises comfort for the end user. The exclusive anti-intruder function (SMART models) secures the garage from unwanted accesses.

Dimension (mm)



Technical features

	BOTTICELLI BT A 650	BOTTICELLI SMART BT A 850	BOTTICELLI SMART BT A 1250
Control unit	VENERE BT A ETD	VENERE BT A DIS	VENERE BT A DIS
Nominal voltage	24 V	24 V	24 V
Power consumption	200 W	200 W	236 W
Tractive force and thrust	650 N	850 N	1250 N
Number of daily movements at 60°	50	50	100
Door surface area	10 m ²	13 m ²	16 m ²
Max opening speed (chain rail)	210 mm/sec	210 mm/sec	190 mm/sec
Max opening speed (belt rail)	240 mm/sec	240 mm/sec	---
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Steel cord or cable	Steel cord or cable	Steel cord or cable
Impact reaction	D-Track	D-Track	D-Track
Protection rating	IP20	IP20	IP20
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C

Code	Name		Description	
P915211 00002	BOTTICELLI BT A 650		24 V operator for sectional garage doors with tractive force 60 kg and intensive use. Max door surface area 10 m ² . Opening speed 210 mm/sec. D-Track	
P915212 00002	BOTTICELLI SMART BT A 850		24 V operator for sectional garage doors with tractive force 80 kg and intensive use. Max door surface area 13 m ² . Opening speed 210 mm/sec. D-Track Exclusive anti-intruder function.	
P915213 00002	BOTTICELLI SMART BT A 1250		24 V operator for sectional garage doors with tractive force 120 kg and very intensive use. Max door surface area 16 m ² . Opening speed 190 mm/sec. D-Track Exclusive anti-intruder function.	

VENERE BT A ETD: Control unit with electronic trimmer-dip switch for 1 x 24 V operator for garage doors

VENERE BT A ETD - Built in



- Control unit with electronic trimmer-dip switch for 1 x 24 V operator for garage doors
- Board power supply: 230V single-phase
- Power supply to motor and accessories: 24 V
- Main features: integrated two-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with electronic trimmer-dip switch (shown on display)

VENERE BT A DIS: Control unit with display for 1 x 24 V operator for garage doors

VENERE BT A DIS - Built in



- Control unit with display for 1 x 24 V operator for garage doors
- Card power supply: 230V single-phase
- Power supply to motor and accessories: 24 V
- Main features: built-in dual-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with display
- U-Link protocol
- Exclusive anti-intruder function.

RECOMMENDED ACCESSORIES

 P115036 00001 - BIN 650-850 CATENA 2900 Chain rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, effective travel 2400 mm	 P115036 00002 - BIN 650-850 CATENA 3500 Chain rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, effective travel 3000 mm
 P115036 00004 - BIN 650-850 CATENA 2X1450 Chain rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, travel 2400 mm	 P115036 00005 - BIN 650-850 CATENA 2X1750 Chain rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, travel 3000 mm
 P115037 00001 - BIN 650-850 CINGHIA 2900 Belt rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, effective travel 2400 mm	 P115037 00002 - BIN 650-850 CINGHIA 3500 Belt rail for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, effective travel 3000 mm
 P115037 00003 - BIN 650-850 CINGHIA 2X1450 Belt rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 2900 mm, travel 2400 mm	 P115037 00004 - BIN 650-850 CINGHIA 2X1750 Belt rail divided into two halves for Botticelli BT A 650-850 compatible with Botticelli 600-800, length 3500 mm, travel 3000 mm
 P115035 00001 - BIN 1250-2900 CATENA Chain rail for Botticelli Smart BT A 1250 compatible with EOS 120, length 2900 mm, effective travel 2400 mm	 P115035 00002 - BIN 1250-3500 CATENA Chain rail for Botticelli Smart BT A 1250 compatible with EOS 120, length 3500 mm, effective travel 3000 mm



RECOMMENDED ACCESSORIES

	new P115035 00003 - BIN 1250 2x1450 CATENA		new P115035 00004 - BIN 1250 2x1750 CATENA
	N733391 - PBE		new N999060 00001 - APT 5
	N999060 - APT		N999370 - TA BIN
	P115005 - SM1		N733069 - SET/S
	P115003 - ST		P115029 - BRTS
	P125005 - BT BAT		new D114093 00003 - RADIUS LED BT A R1
	new D114094 00003 - RADIUS LED BT A R0		new D114168 00003 - RADIUS LED BT A R1 W
	new P111782 - COMPACTA A20-180		




 U-Link


 Quick Delivery

 New

 Phase-out



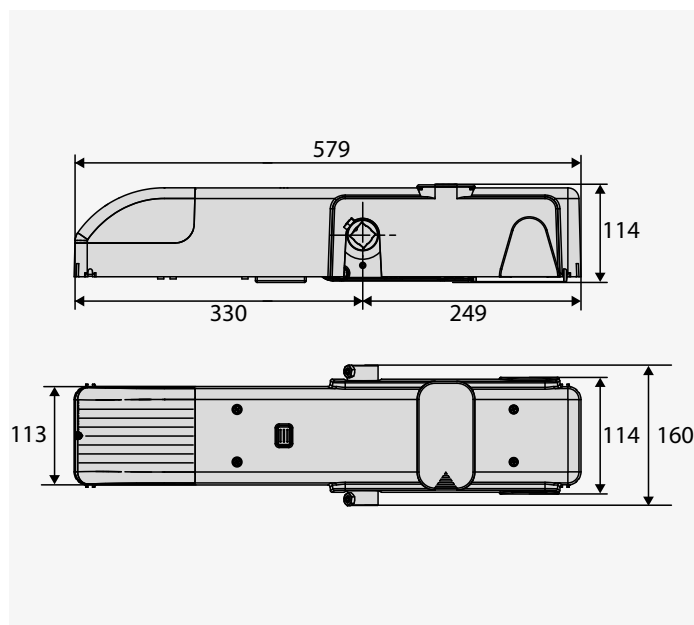
U-Control app
p. 17

	accessories for control units set of batteries for control units expansion boards software receivers transmitters control devices	P. 278 signalling devices P. 278 safety devices - photocells and accessories P. 279 safety devices - sensitive edges P. 280 rubber profiles P. 280 solenoid locks P. 281 release systems P. 281	P. 283 P. 283 P. 285 P. 285 P. 286 P. 286 P. 287
Accessories p. 278			



Electromechanical operators for residential use for the automation of overhead garage doors. The built-in control unit manages the second operator for installation on large-size doors or doors with integrated pedestrian doors. The microprocessor technology also manages the torque of the motors with maximum precision and in total safety.

Dimension (mm)



Technical features

	PHEBE BT A U	PHEBE BT A SQ	PHEBE BT A U C	PHEBE BT A C SQ	PHEBE BT A U IP44	PHEBE BT A SQ IP44
Control unit	VEGA	VEGA	VEGA	VEGA	VEGA	VEGA
Nominal voltage	24 V	24 V	24 V	24 V	24 V	24 V
Power consumption	40 W	40 W	40 W	40 W	40 W	40 W
Cycle time	17-20 s	17-20 s	17-20 s	17-20 s	17-20 s	17-20 s
Door surface area	8 m ²	8 m ²	8 m ²	8 m ²	8 m ²	8 m ²
Type of limit switch	Electromechanical					
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	knob	knob	knob	knob	knob	knob
Impact reaction	D-Track	D-Track	D-Track	D-Track	D-Track	D-Track
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP20	IP20	IP20	IP20	IP44	IP44
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C

	PHEBE ULTRA BT A	PHEBE ULTRA BT A SQ
Control unit	VEGA ULTRA	VEGA ULTRA
Nominal voltage	24 V	24 V
Power consumption	40 W	40 W
Cycle time	17-20 s	17-20 s
Door surface area	8 m ²	8 m ²
Type of limit switch	Mems tecnology	Mems tecnology
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	knob	knob
Impact reaction	D-Track	D-Track
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP44	IP44
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C

Code	Name	Description	
P915136 00002	PHEBE BT A U	Electromechanical operator with built-in control panel for overhead garage doors of maximum surface area 8 m ² and Semi intensive use with slowdown. Cycle time 17-20 s, IP20 Limit switch Electromechanical Built-in control unit with D-Track	U-Link
P915136 00003	PHEBE BT A SQ	Operator for overhead garage doors of maximum surface area 8 m ² and Semi intensive use. Cycle time 17-20 s, IP20 Limit switch on-board the motor Limit switch Electromechanical	
P915139 00002	PHEBE BT A U C	Electromechanical operator with built-in control panel for overhead garage doors of maximum surface area 8 m ² and Semi intensive use with slowdown. Cycle time 17-20 s, IP20 Limit switch Electromechanical Built-in control unit with D-Track	U-Link
P915139 00003	PHEBE BT A C SQ	Operator for overhead garage doors of maximum surface area 8 m ² and Semi intensive use. Cycle time 17-20 s, IP20 Limit switch on-board the motor Limit switch Electromechanical	
P915137 00002	PHEBE BT A U IP44	Electromechanical operator with built-in control panel for overhead garage doors of maximum surface area 8 m ² and Semi intensive use with slowdown. Cycle time 17-20 s, IP44 Limit switch Electromechanical IP44	U-Link
P915137 00003	PHEBE BT A SQ IP44	Operator for overhead garage doors of maximum surface area 8 m ² and Semi intensive use. Cycle time 17-20 s, IP44 IP44 Limit switch Electromechanical	
P915138 00002	PHEBE ULTRA BT A	Electromechanical operator with built-in control panel for overhead garage doors of maximum surface area 8 m ² and Semi intensive use with slowdown. Cycle time 17-20 s, IP44 Limit switch Mems tecnology Limit switch with IMU sensor	U-Link
P915138 00003	PHEBE ULTRA BT A SQ	Operator for overhead garage doors of maximum surface area 8 m ² and Semi intensive use. Cycle time 17-20 s, IP44 Limit switch Mems tecnology Limit switch with IMU sensor	
R915150 00002	PHEBE BT A U KIT ITA	Kit for up&over garage doors of maximum surface area 8 m ² . Operator with incorporated panel, slowdown and duty Semi intensive. Manoeuvre time 17-20 s, IP20 Built-in control unit with D-Track Limit switch Electromechanical	U-Link

VEGA: Display control card for 1 or 2 operators for up-and-over garage doors

VEGA - Built in



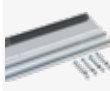




















- Application: control panel for one or two overhead garage door operators
- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 168W max each operator
- U-Link technology
- Main characteristics: removable terminal blocks, programming with display and incorporated dual channel receiver, anti-crushing, slowdown during opening and closing and electronic self-learning
- Main functions: automatic re-closing, fast closing, pulse blocking, blocking hold
- Compatibility: HYDRA, HYDRA R

RECOMMENDED ACCESSORIES

	D113836 00002 - VEGA QUADRO QSG		P125007 - BT BAT1
	Vega control board in CPEL panel Application: control panel for one or two overhead garage door operators		Emergency battery kit for HYDRA N CPEL, only for external board not compatible with board on motor
	P125042 - KABP		P125020 - BBT BAT
	Battery adapter wiring kit necessary for PHEBE BT A with built-in control unit and for BBT BAT		Set of backup batteries for THALIA and THALIA P



RECOMMENDED ACCESSORIES

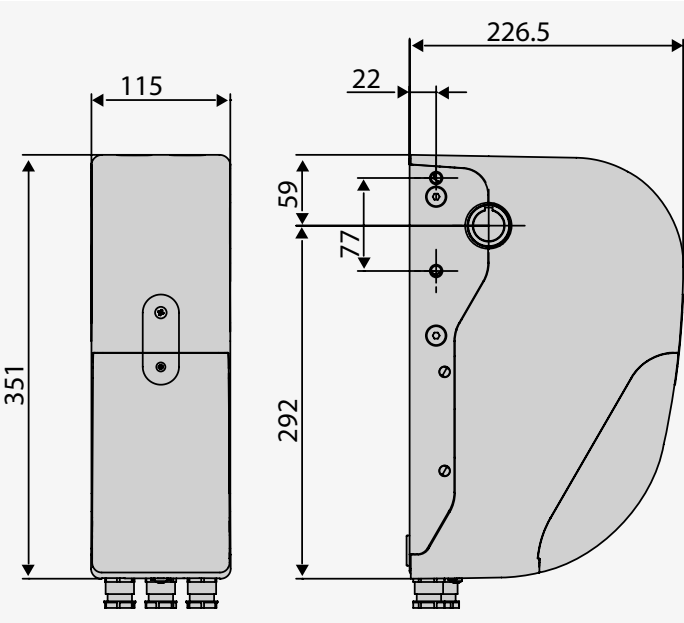
	N733299 - CTBP Pack of 1800 mm drive tubes and fixing bases for completing the PHEBE N KIT		D412377 - BCP Short welding base for PHEBE series operators (L 578 mm)
	N733288 - BLP Long welding base for PHEBE series operators (L 1600 mm)		N733120 - CTA 2 square drive tubes of cross section 20x20 mm and length 1800 mm for PHEBE N series operators
	N733129 - CTA2 2 square drive tubes of cross section 20x20 mm and length 200 mm for PHEBE N series operators		N733112 - CBA Straight telescopic arms for the installation of PHEBE series operators on overhead door
	N733119 - CBAS Straight telescopic arms for the installation of PHEBE series operators on overhead door of length 1000 mm		N733113 - CBASL Straight telescopic arms for the installation of PHEBE series operators on overhead door of length 1500 mm
	 N733114 - CBAC Curved telescopic arms for the installation of PHEBE series operators on overhead door		N733221 - CBAC-G Curved telescopic arms for installation of PHEBE BT A series operators on up-and-over doors
	P115005 - SM1 External manual release for overhead garage door (1 operator)		P115001 - SM2 External manual release for overhead garage door (2 operators)
	 D114093 00003 - RADIUS LED BT A R1 Flashing light with incorporated antenna for motors with power supply 24 V.		 D114094 00003 - RADIUS LED BT A R0 Flashing light without incorporated antenna for motors with power supply 24 V.
	 D114168 00003 - RADIUS LED BT A R1 W Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.		 P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc





24V electromechanical operator for sectional garage doors installable in residential, industrial and commercial environments. The sturdy mechanical structure and microprocessor technology of the control unit make it possible to use the operator intensively whilst ensuring maximum reliability over time. In addition, the D-Track torque control system and absolute encoder offer extremely precise control of leaf movement and detection of obstacles. Exclusive quick programming function of the limit switches from the ground, via remote control.

Dimension (mm)



Technical features

	ARGO BT A 20	ARGO BT A 35
Control unit	VENERE BT A DIS ARGO	VENERE BT A DIS ARGO G
Nominal voltage	24 V	24 V
Power consumption	240 W	240 W
Type of limit switch	Absolute encoder	Absolute encoder
Door surface area	20 m ²	35 m ²
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Steel cord or cable	Steel cable
Impact reaction	D-Track	D-Track
Frequency of use	very intensive	very intensive
Protection rating	IP24	IP24
Environmental conditions	-15 ÷ 55 °C	-15 ÷ 55 °C

Code	Name		Description	
P925258 00002	ARGO BT A 20		Operator for sectional doors with a surface area of up to 20 m ² and subject to very intensive use. Built-in courtesy light	U-Link
P925260 00002	ARGO BT A 35		Operator for sectional doors with a surface area of up to 35 m ² and for very intensive use. Built-in courtesy light.	U-Link

VENERE BT A DIS: Control unit with display for 1 x 24 V operator for garage doors



VENERE BT A DIS - Built in



- Control unit with display for 1 x 24 V operator for garage doors
- Card power supply: 230V single-phase
- Power supply to motor and accessories: 24 V
- Main features: built-in dual-channel receiver, D-Track anti-crushing system, soft opening and closing
- Main functions: automatic re-closing, automatic torque control
- Programming with display
- U-Link protocol
- Exclusive anti-intruder function.

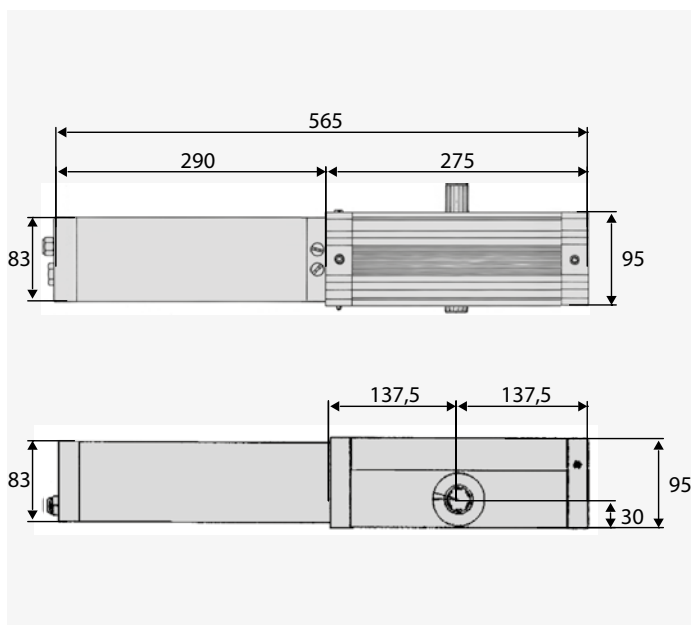
RECOMMENDED ACCESSORIES

	N999592 - CKK		
	Pack of mounting tabs for ARGO and ARGO G		N733955 - SAFM
	N733956 - SAFM L		
	Cable release for ARGO, length 7 m.		D114093 00003 - RADIUS LED BT A R1
	D114094 00003 - RADIUS LED BT A R0		
	Flashing light without incorporated antenna for motors with power supply 24 V.		D114168 00003 - RADIUS LED BT A R1 W
	P111782 - COMPACTA A20-180		
	Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc		N733148 - COR 30
	N733149 - COR 40		
	Z40 gear kit with accessories for industrial sectional doors, for 1" (25.4 mm) shafts		N733338 - PIG 12/ULISSE 5
	N733336 - PIG 14/ULISSE 5		
	Z14 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts		N733339 - PIG 18/ULISSE 5
	N733337 - PIG 30/ULISSE 5		
	Z30 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts		N733421 - RCA
	N733422 - RCAL		
	Lever release with steel cable, length 7 m. Compatible with BOX.		N574039 - BOX
	P125005 - BT BAT		
	Set of backup batteries for LIBRA C MA, LIBRA C LX, HYDRA N, ARGO, VENERE BT A DIS		P111407 - FALCON
			Industrial presence sensor installable up to 7 m.



Hydraulic operator for very intensive use for overhead garage doors.
Designed for the toughest conditions of use, it combines strength and the typical reliability of hydraulic operators.

Dimension (mm)



Technical features

	BERMA	BERMA SEB	BERMA R	BERMA SEB R	BERMA SA R
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Nominal voltage	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W
Slowdown	no	no	Hydraulic	Hydraulic	Hydraulic
Door surface area	9 m ²	9 m ²	9 m ²	9 m ²	9 m ²
Locking	Hydraulic	Hydraulic	Hydraulic	Hydraulic	Hydraulic
Release	knob	lever for steel cable	knob	lever for steel cable	automatic
Impact reaction	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch	Hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IPX5	IPX5	IPX5	IPX5	IPX5
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C

Code	Name	Description
P915006 00001	BERMA	Hydraulic operator for overhead garage doors of maximum surface area 9 m ² and very intensive use. knob release
P915103 00001	BERMA SEB	Hydraulic operator for overhead garage doors of maximum surface area 9 m ² and very intensive use. lever for steel cable release
P915007 00001	BERMA R	Hydraulic operator for overhead garage doors of maximum surface area 9 m ² and very intensive use. knob release and hydraulic slowdown
P915105 00001	BERMA SEB R	Hydraulic operator for overhead garage doors of maximum surface area 9 m ² and very intensive use. lever for steel cable release and hydraulic slowdown
P915009 00001	BERMA SA R	Hydraulic operator for overhead garage doors of maximum surface area 9 m ² and very intensive use. automatic release and hydraulic slowdown

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

RECOMMENDED ACCESSORIES

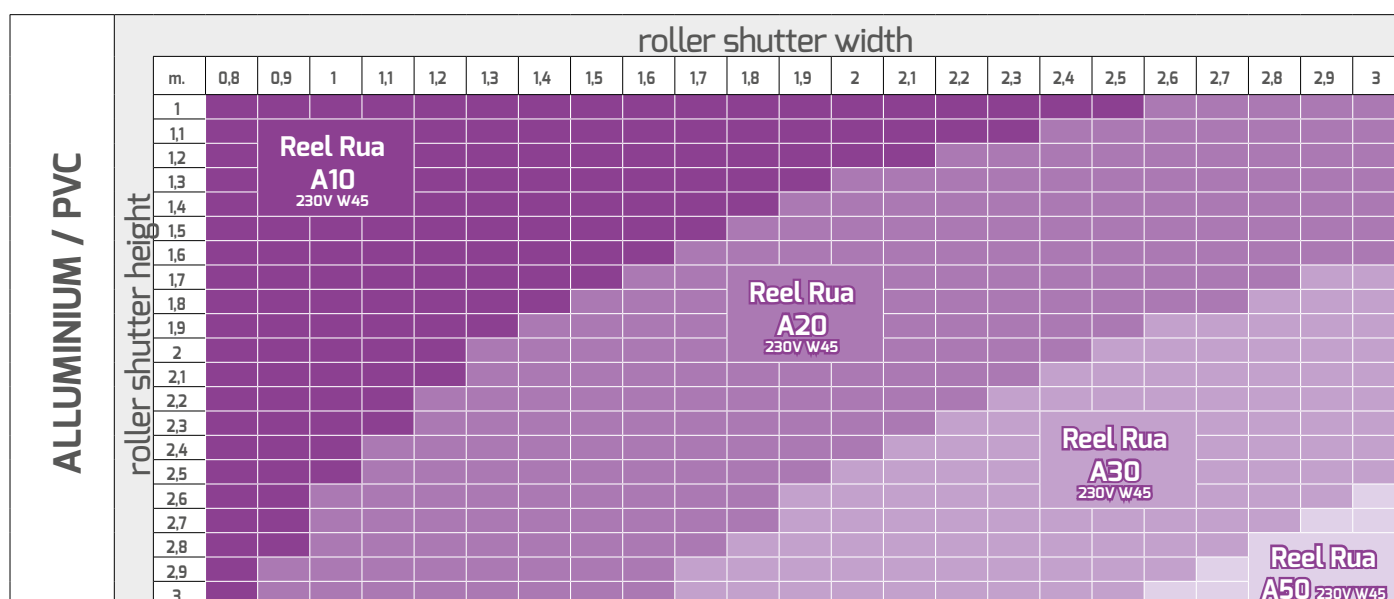
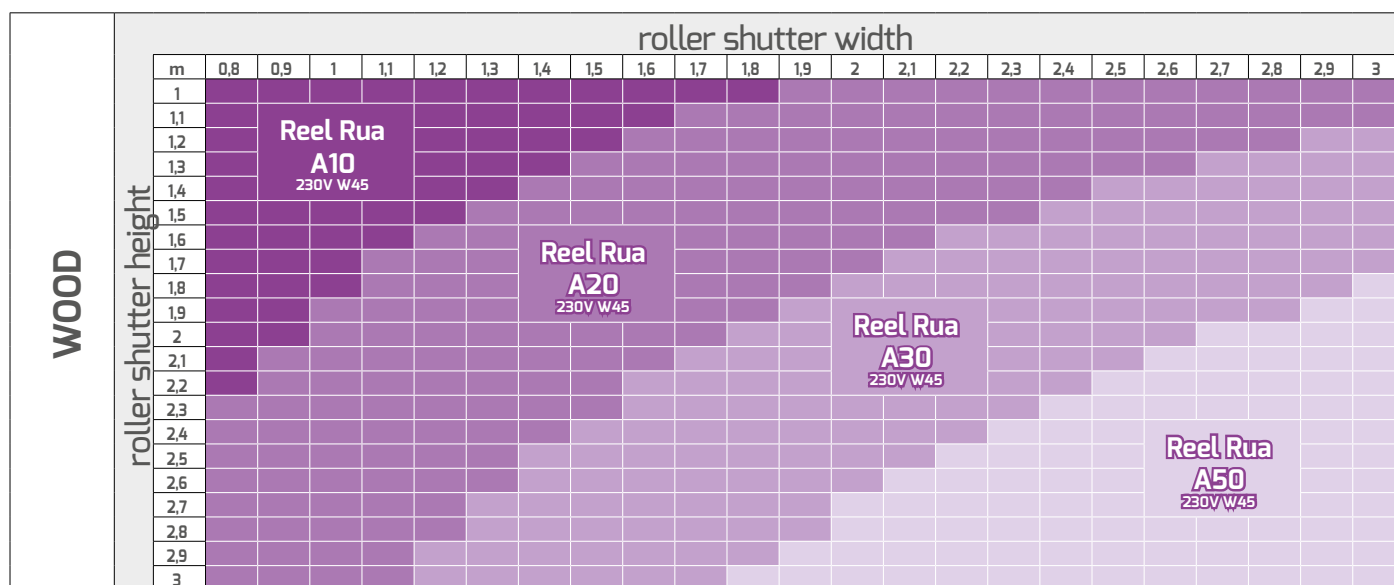
 new D114092 00002 - ALCOR AC A Control unit with on-board receiver - no display - Standard terminal block	 N733038 - CA1 Straight arm accessories for installation of one BERMA series operator on overhead door of 4 m max width
 N733040 - CA2 Straight arm accessories for installation of two BERMA series operators on overhead door	 N733041 - CA2C Accessories for the installation of two BERMA series operators on overhead door (curved arms)
 N733042 - CAS1 Straight arm accessories for installation of one Berma operator L = 1000 mm Spain version	 N733074 - CAS1L Straight arm accessories for installation of one Berma operator L = 1500 mm Spain version
 N733048 - CAS2 Straight arm accessories for installation of two Berma operators L = 1000 mm Spain version	 N733075 - CAS2L Straight arm accessories for installation of two Berma operators L = 1500 mm Spain version
 N733020 - SEB External key release for BERMA, FORB, IGEA LB and IGEA LB BT	 new D114093 00002 - RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with power supply 230 V.
 new D114094 00002 - RADIUS LED AC A RO Flashing light without incorporated antenna for motors with power supply 230 V.	 new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc



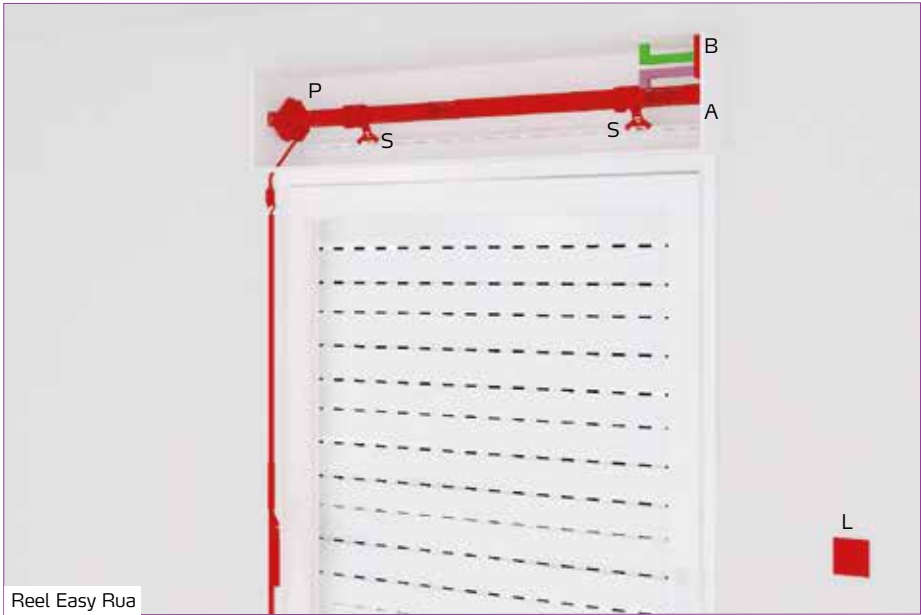
Roller shutters automation systems

Guide to choosing

Motor power supply	Outer diameter	Actuator weight	Frequency of use	Kit	Operator	Plus
ROLL-UP						
230 V	60 mm	2,10 kg	Residential	-	REEL EASY B10 230V W45	
		2,20 kg		-	REEL EASY B20 230V W45	
		2,75 kg		-	REEL EASY B30 230V W45	
		2,80 kg		-	REEL EASY B50 230V W45	



Installation guide



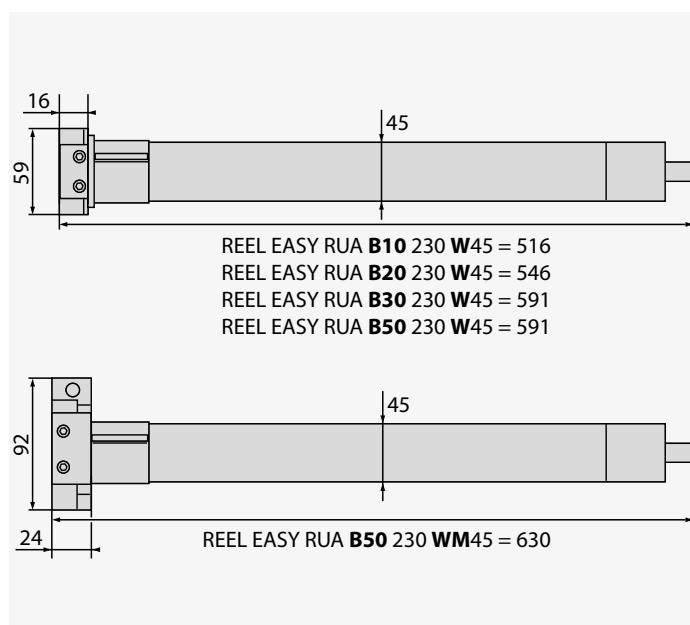
Reel Easy Rua

A	Operator
B	Control unit
L	Control system (key selector switch, keypad, badge reader)
S	Anti-break-in blocks
3x1.5	
13x1	



The Reel range consists of a complete offer of wire tubular motors, with electromechanical limit switches.

Dimension (mm)



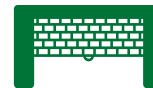
Technical features

	REEL EASY B10 230V W45	REEL EASY B20 230V W45	REEL EASY B30 230V W45	REEL EASY B50 230V W45
Control unit	ELBA	ELBA	ELBA	ELBA
Motor power supply	230 V	230 V	230 V	230 V
Power consumption	125 W	180 W	235 W	285 W
Outer diameter	60 mm	60 mm	60 mm	60 mm
N° limit switch revolutions	28	28	28	28
Type of end switch	Mechanical	Mechanical	Mechanical	Mechanical
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	---	---	---	---
Frequency of use	Residential	Residential	Residential	Residential
Protection rating	IP44	IP44	IP44	IP44
Environmental conditions	-10 ÷ 40 °C	-10 ÷ 40 °C	-10 ÷ 40 °C	-10 ÷ 40 °C

Code	Name		Description
P910052 00001	REEL EASY B10 230V W45		Wired operator for roller shutters. Max shutter weight 18 kg. max torque 10 nm and power input 125 W. Shaft rotation speed 16 Rpm
P910052 00002	REEL EASY B20 230V W45		Wired operator for roller shutters. Max shutter weight 35 kg. max torque 20 nm and power input 180 W. Shaft rotation speed 16 Rpm
P910052 00003	REEL EASY B30 230V W45		Wired operator for roller shutters. Max shutter weight 55 kg. max torque 30 nm and power input 235 W. Shaft rotation speed 16 Rpm
P910052 00004	REEL EASY B50 230V W45		Wired operator for roller shutters. Max shutter weight 88 kg. max torque 50 nm and power input 285 W. Shaft rotation speed 12 Rpm

RECOMMENDED ACCESSORIES

	P111515 - SHEDIR B CBC 02 L01 Control unit for wired centralisation. For 2 operators (or 2 groups of operators)		P121028 - MIME PAD 4-channel wall-mounted radio control with rolling code
	D113831 - MIME TX Two-channel miniaturized 433 Mhz transmitter		D113716 00002 - ELBA ELBA control panel
	P111376 - SCS 1 Expansion card		P111183 - CREP Twilight sensor
	P111182 - ANEM Anemometric sensor with encoder for wind		P130015 - SM504 Support with bearing for octagonal roller - screw type
	P130014 - SM505 Support for octagonal roller - cementing type		N999325 - SM5014 Wall support for operators with square snap pin and split pin for direct coupling, suitable for all operators (from 10Nm to 50Nm).
	P130004 - CAL 60/30 Octagonal cover for RUL 60.		P130002 - CAL 60/100 Adjustable telescopic octagonal cover for RUL 60.
	P130012 - RUL 60/3 Octagonal shutter winding roller Ø60 mm x 3 m.		P130008 - RUL 60/6 Octagonal shutter winding roller Ø60 mm x 6 m.
	P130001 - BLOCCANTI 40 Anti-break-in block for shutters with slats of height 40 mm.		P130013 - BLOCCANTI 50 Anti-break-in block for shutters with slats of height 50 mm.
	P130024 - Timer Weekly programmer for REEL RADIO or external ER-1 receiver		D113824 - MIME AC 433 MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control
	D111947 - MITTO B RCB04 R1 CLEAR ICE Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo.		D111906 - MITTO B RCB04 R1 Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A
	D111904 - MITTO B RCB02 R1 Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A		D113717 00002 - ELBA BU Control panel, max 230V, for roller shutters or roll-up doors

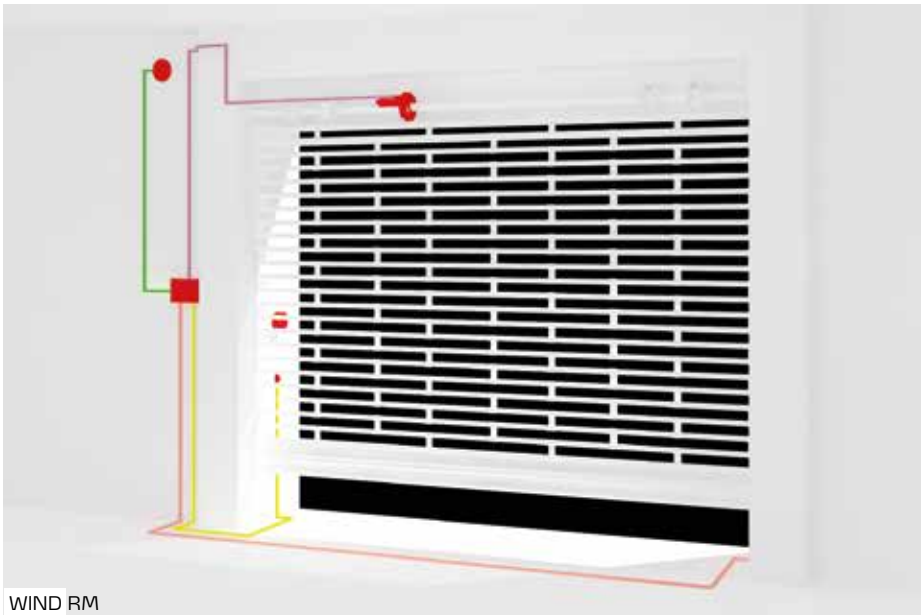


Automation systems for rolling shutters

Guide to choosing

Shaft diameter	Spring holder diameter	Maximum torque	Power supply	Kit	Operator	Plus
ROLLER SHUTTER						
60 mm	200 mm	130 nm	230 V	-	WIND RMB 130B 200-230	Adapters for spring holders and shaft included in pack
		170 nm		-	WIND RMB 130B 200-230 EF	Adapters for spring holders and shaft included in the package.
				-	WIND RMB 170B 200-230	Adapters for spring holders and shaft included in pack
				-	WIND RMB 170B 200-230 EF	Adapters for spring holders and shaft included in pack
101 mm	240 mm	357 nm		-	WIND RMB 350B 200-230 EF	Adapters for spring holders and shaft included in the package.
		235 nm		-	WIND RMC 235B 240-230	Adapters for spring holders and shaft included in pack
				-	WIND RMC 235B 240-230 EF	Adapters for spring holders and shaft included in pack
				445 nm	-	WIND RMC 445B 240-230 EF

Installation guide



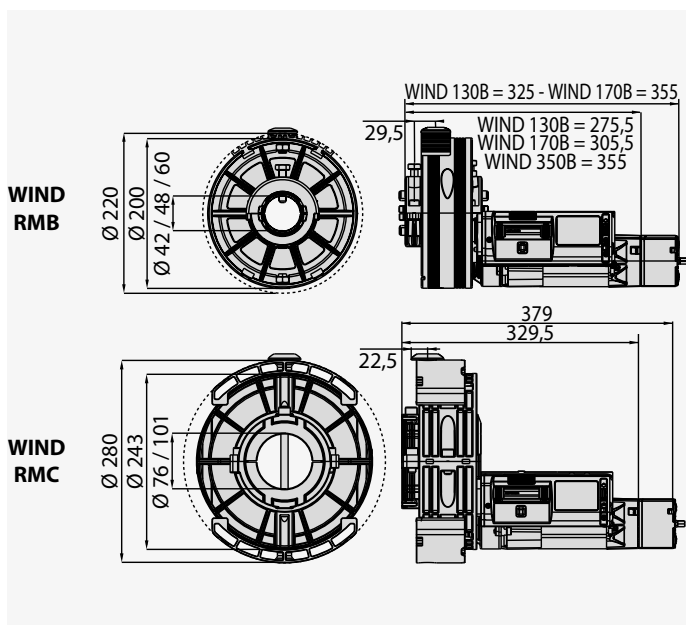
WIND RM

A	Operator
B	Control unit
D	Receiver
E	Photocell
L	Control devices
N	Junction box
3x1.5	
2x1	
9x0.5	
14x0.5	

230V operators for roller shutters with maximum torque up to 445 Nm. Suitable for mounting on shutters with pulley diameter of 200, 220, 240 and 280mm shaft diameter 42, 48, 60, 76 and 101mm. Available in versions with or without electric brake.



Dimension (mm)



Technical features

	WIND RMB 130B 200-230	WIND RMB 130B 200-230 EF	WIND RMB 170B 200-230	WIND RMB 170B 200-230 EF	WIND RMB 350B 200-230 EF	WIND RMC 235B 240-230
Control unit	ELBA/ELBA BU	ELBA/ELBA BU	ELBA/ELBA BU	ELBA/ELBA BU	ELBA/ELBA BU	ELBA/ELBA BU
Power supply	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	400 W	400 W	600 W	600 W	1200 W	600 W
Shaft diameter	60 mm	60 mm	60 mm	60 mm	60 mm	101 mm
Spring holder diameter	200 mm	200 mm	200 mm	200 mm	200 mm	240 mm
Maximum torque	130 nm	130 nm	170 nm	170 nm	357 nm	235 nm
Rotation speed	10 Rpm	10 Rpm	10 Rpm	10 Rpm	10 Rpm	8 Rpm
Type of end switch						
Locking		Electric brake		Electric brake	Electric brake	
Impact reaction	no	no	no	no	no	no
Protection rating	IP20	IP20	IP20	IP20	IP20	IP20
Environmental conditions	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C

	WIND RMC 235B 240-230 EF	WIND RMC 445B 240-230 EF
Control unit	ELBA/ELBA BU	ELBA/ELBA BU
Power supply	230 V	230 V
Power consumption	600 W	1200 W
Shaft diameter	101 mm	101 mm
Spring holder diameter	240 mm	240 mm
Maximum torque	235 nm	445 nm
Rotation speed	8 Rpm	8 Rpm
Type of end switch		
Locking	Electric brake	Electric brake
Impact reaction	no	no
Protection rating	IP20	IP20
Environmental conditions	-10 ÷ 50 °C	-10 ÷ 50 °C

Code	Name	Description
P910041 00002	WIND RMB 130B 200-230	Operator for shutters with spring holder pulley diam. 60 mm. Max. torque 130 nm and absorbed power 400 W. Reversible. Adapters for spring holders and shaft included in pack
P910042 00002	WIND RMB 130B 200-230 EF	Operator for shutters with spring holder pulley diam. 60 mm. Max. torque 130 nm and absorbed power 400 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in the package.
P910043 00002	WIND RMB 170B 200-230	Operator for shutters with spring holder pulley diam. 60 mm. Max. torque 170 nm and absorbed power 600 W. Reversible. Adapters for spring holders and shaft included in pack
P910044 00002	WIND RMB 170B 200-230 EF	Operator for shutters with spring holder pulley diam. 60 mm. Max. torque 170 nm and absorbed power 600 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in pack
P910046 00002	WIND RMB 350B 200-230 EF	Operator for shutters with spring holder pulley diam. 60 mm. Max. torque 357 nm and absorbed power 1200 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in the package.
P910038 00002	WIND RMC 235B 240-230	Operator for shutters with spring holder pulley diam. 101 mm. Max. torque 235 nm and absorbed power 600 W. Reversible. Adapters for spring holders and shaft included in pack
P910039 00002	WIND RMC 235B 240-230 EF	Operator for shutters with spring holder pulley diam. 101 mm. Max. torque 235 nm and absorbed power 600 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in pack
P910040 00002	WIND RMC 445B 240-230 EF	Operator for shutters with spring holder pulley diam. 101 mm. Max. torque 445 nm and absorbed power 1200 W. Release with steel cable and knob for electric brake. Adapters for spring holders and shaft included in pack

ELBA BU: Control panel, max 230V, for roller shutters or roll-up doors

D113717 00002 - ELBA BU - Recommended



- Control panel, max 230V, for roller shutters or roll-up doors
- Application: control panel for one roll-up door operator
- Card power supply: 230 V single-phase
- Operator power supply: 230V monophase
- Main features: Extremely compact size for installation in shutter case, programming with potentiometers and dip switches, built-in receiver, control button on case
- Main functions: separate open/close, photocells input, possibility of centralised controls, anemometer and twilight sensor management
- Compatibility: CAPRI, CAPRI RIC, CAPRI TCA

RECOMMENDED ACCESSORIES

P111515 - SHEDIR B CBC 02 L01		D113716 00002 - ELBA
	Control unit for wired centralisation. For 2 operators (or 2 groups of operators)	ELBA control panel
new P111782 - COMPACTA A20-180	Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc	N574039 - BOX
N999510 - X EF1	Electric brake for Wind Rmc and Rmb 230V	

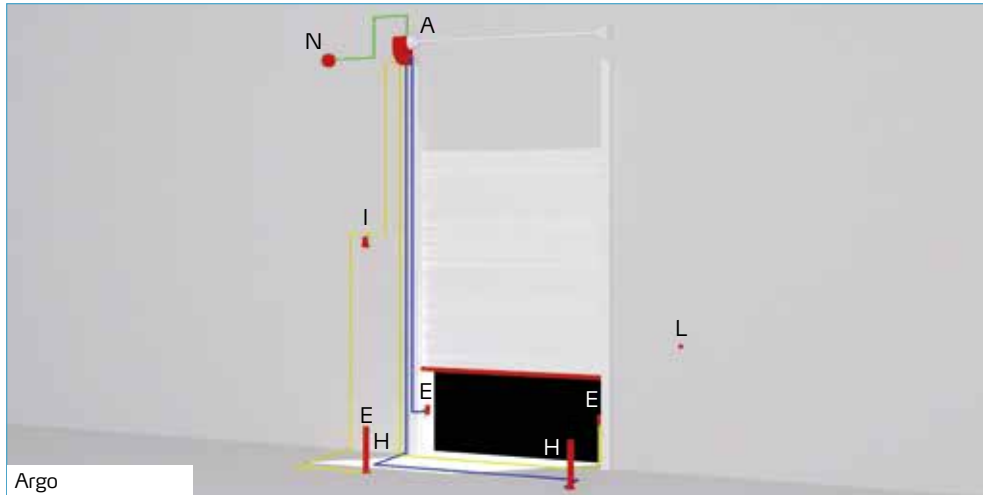


Automation systems for industrial sectional doors and folding doors

Guide to choosing

Nominal voltage	Frequency of use	Kit	Operator	Plus
industrial sectional doors				
230 V	Semi intensive	-	PEGASO BCJA620L01	
		-	PEGASO BCJA625L01	
		-	PEGASO BCJA625L02	
		-	PEGASO BCJA620L11	
		-	PEGASO BCJA625L11	
		-	PEGASO BCJA625L12	
400 V	intensive	-	PEGASO BCJA645W01	
		-	PEGASO BCJA645W02	
		-	PEGASO BCJA645W11	
industrial folding doors				
24 V	Semi intensive	-	IGEA LB BT	D-Track
230 V	very intensive	-	FORB	Hydraulic protection against crushing
		-	FORB R	Hydraulic slowdown
		-	FORB ERSA	Hydraulic slowdown
	Semi intensive	-	IGEA LB	Electric clutch

Installation guide



Argo

A	Operator
B	Control unit
D	Receiver
E	Photocell
G	Sensitive edge
H	Post
I	Flashing Beacon
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
2x1.5	
6x1	
3x1.5	
RG 58	
5x1	
2x1	
4x2.5	

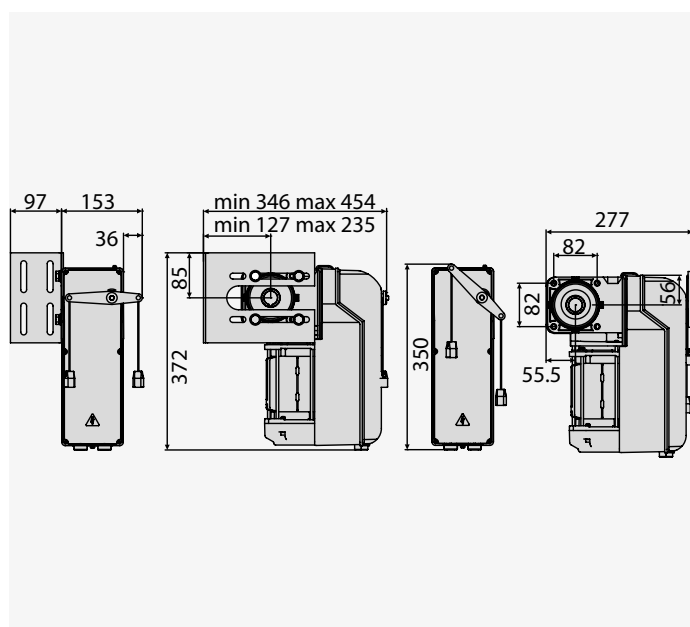


24V electromechanical operator for semi-intensive use, for automation of industrial sectional doors up to 25 m² (Pegaso B Cja 625) or up to 45 m².

Limit switches with absolute encoder, with the possibility of rapid adjustment from floor.

Max. opening speed 24rpm and max. torque 70Nm (Pegaso B Cja625); max. opening speed 24rpm and max. torque 100Nm (Pegaso B Cja 645).

Dimension (mm)



Technical features

	PEGASO BCJA620L01	PEGASO BCJA625L01	PEGASO BCJA625L02	PEGASO BCJA645W01	PEGASO BCJA645W02
Control unit	LEO B CBB L01	LEO B CBB L01	LEO B CBB L01	LEO B CBB W01	LEO B CBB W01
Nominal voltage	230 V	230 V	230 V	400 V	400 V
Power consumption	750 W	750 W	750 W	980 W	980 W
Max surface area	20 m ²	25 m ²	25 m ²	45 m ²	45 m ²
Shaft diameter	25,40 mm	25,40 mm	25,40 mm	25,40 mm	25,40 mm
Door surface area	20 m ²	25 m ²	25 m ²	45 m ²	45 m ²
Travel	18	18	18	18	18
Type of limit switch	Absolute encoder	Absolute encoder	Absolute encoder	Absolute encoder	Absolute encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Chain release	Chain release	Double cable release	Chain release	Double cable release
Frequency of use	Semi intensive	Semi intensive	Semi intensive	intensive	intensive
Protection rating	IP54	IP54	IP55	IP54	IP55
Environmental conditions	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C

Code	Name	Description
P925205 00003	PEGASO BCJA620L01	Automatic electromechanical operator for industrial sectional doors with max surface area 20 m ² and use Semi intensive. Power supply 230 V. max speed 33 Rpm. max torque 50 nm. Chain release. IP54
P925203 00004	PEGASO BCJA625L01	Automatic electromechanical operator for industrial sectional doors with max surface area 25 m ² and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 nm. Chain release. IP54
P925204 00004	PEGASO BCJA625L02	Automatic electromechanical operator for industrial sectional doors with max surface area 25 m ² and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 nm. Double cable release. IP55
P925203 00005	PEGASO BCJA645W01	Automatic electromechanical operator for industrial sectional doors with max surface area 45 m ² and use intensive. Power supply 400 V. max speed 24 Rpm. max torque 100 nm. Chain release. IP54
P925204 00005	PEGASO BCJA645W02	Automatic electromechanical operator for industrial sectional doors with max surface area 45 m ² and use intensive. Power supply 400 V. max speed 24 Rpm. max torque 100 nm. Double cable release. IP55

LEO B CBB L01: U-Link control board for Pegaso B Cja single-phase operators

D113767 00002 - LEO B CBB L01 - Recommended



- U-Link control board for Pegaso B Cja single-phase operators
- Application: control panel for one operator PEGASO B CJA monophase series
- Card power supply: 230 V single-phase
- Operator power supply: 230V monophase

LEO B CBB W01: Control board for PEGASO CJA three-phase operators

D113768 00002 - LEO B CBB W01 - Recommended










- Application: control unit for 1 Pegaso B Cja series three-phase operator Board power supply: 400V three-phase Operator power supply: 400V three-phase
- Application: control unit for PEGASO B CJA three-phase operators
- Board power supply: 400V three-phase
- Operator power supply: 400V three-phase

RECOMMENDED ACCESSORIES

	new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc		D121631 - PEGASO CABLE MONO Pre-wired power supply cable for PEGASO single phase operators. Length 1 m
	D121632 - PEGASO CABLE TRI Pre-wired power supply cable for PEGASO three-phase operators. Length 1 m		D121674 - PEGASO CABLE ENC 5 Pre-wired connection cable between operator and external control unit for the management of encoder. Length 5 m
	D121675 - PEGASO CABLE ENC 10 Pre-wired connection cable between operator and external control unit for the management of encoder. Length 10 m		D121679 - PEGASO CABLE AUTO 5N Pre-wired connection cable between PEG INT and external control unit electric power supply. Length 5 m
	D121680 - PEGASO CABLE AUTO 10N Pre-wired connection cable between PEG INT and external control unit electric power supply. Length 10 m		N999468 - PEG CCP Extension for PEGASO C operators release chain. Length 4 m
	N733338 - PIG 12/ULISSE 5 Z12 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts		N733336 - PIG 14/ULISSE 5 Z14 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts




RECOMMENDED ACCESSORIES

	N733339 - PIG 18/ULISSE S Z18 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts		N733337 - PIG 30/ULISSE S Z30 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts
	N733148 - COR 30 Z30 gear kit with accessories for industrial sectional doors, for 1" (25.4 mm) shafts		N733149 - COR 40 Z40 gear kit with accessories for industrial sectional doors, for 1" (25.4 mm) shafts
	N733121 - SFZ Additional fixing bracket kit. To be used on chain drive installations.		N733449 - PEGASO ADA PEGASO ADA adapter for installation on doors with 1 1/4" shaft
	P111407 - FALCON Industrial presence sensor installable up to 7 m.		



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



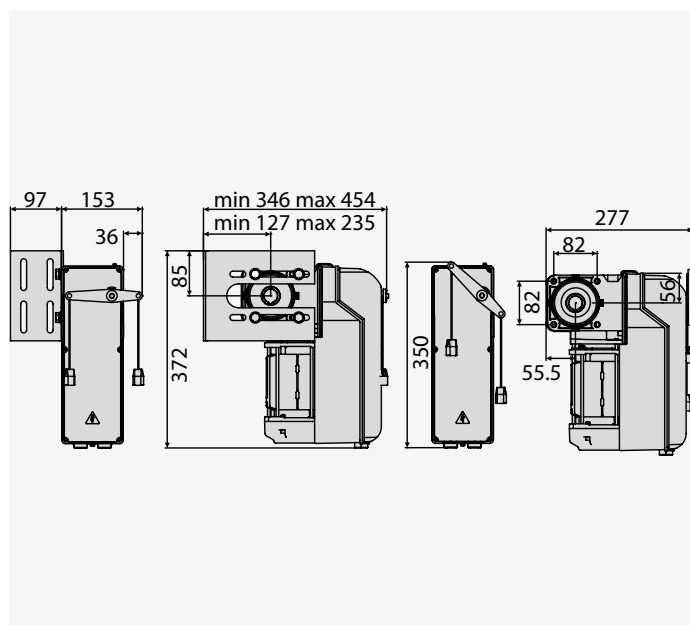
24V electromechanical operator for semi-intensive use, for automation of industrial sectional doors up to 25 m² (Pegaso B Cja 625) or up to 45 m².

Limit switches with absolute encoder, with the possibility of rapid adjustment from floor.

Max. opening speed 24rpm and max. torque 70Nm (Pegaso B Cja625);

max. opening speed 24rpm and max. torque 100Nm (Pegaso B Cja 645).
Dead man switch

Dimension (mm)



Technical features

	PEGASO BCJA620L11	PEGASO BCJA625L11	PEGASO BCJA625L12	PEGASO BCJA645W11
Nominal voltage	230 V	230 V	230 V	400 V
Power consumption	750 W	750 W	750 W	980 W
Max surface area	20 m ²	25 m ²	25 m ²	45 m ²
Shaft diameter	25,40 mm	25,40 mm	25,40 mm	25,40 mm
Door surface area	20 m ²	25 m ²	25 m ²	45 m ²
Travel	18	18	18	18
Type of limit switch	Absolute encoder	Absolute encoder	Absolute encoder	Absolute encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Chain release	Chain release	Double cable release	Chain release
Frequency of use	Semi intensive	Semi intensive	Semi intensive	intensive
Protection rating	IP54	IP54	IP55	IP54
Environmental conditions	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C	-10 ÷ 50 °C

Code	Name	Description
P925205 00004	PEGASO BCJA620L11	Electromechanical operator, deadman, for industrial sectional doors with max surface area 20 m ² and use Semi intensive. Power supply 230 V. max speed 33 Rpm. max torque 50 nm. Chain release. IP54
P925203 00006	PEGASO BCJA625L11	Electromechanical operator, deadman, for industrial sectional doors with max surface area 25 m ² and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 nm. Chain release. IP54
P925204 00006	PEGASO BCJA625L12	Electromechanical operator, deadman, for industrial sectional doors with max surface area 25 m ² and use Semi intensive. Power supply 230 V. max speed 24 Rpm. max torque 70 nm. Double cable release. IP55
P925203 00007	PEGASO BCJA645W11	Electromechanical operator, deadman, for industrial sectional doors with max surface area 45 m ² and use intensive. Power supply 400 V. max speed 24 Rpm. max torque 100 nm. Chain release. IP54

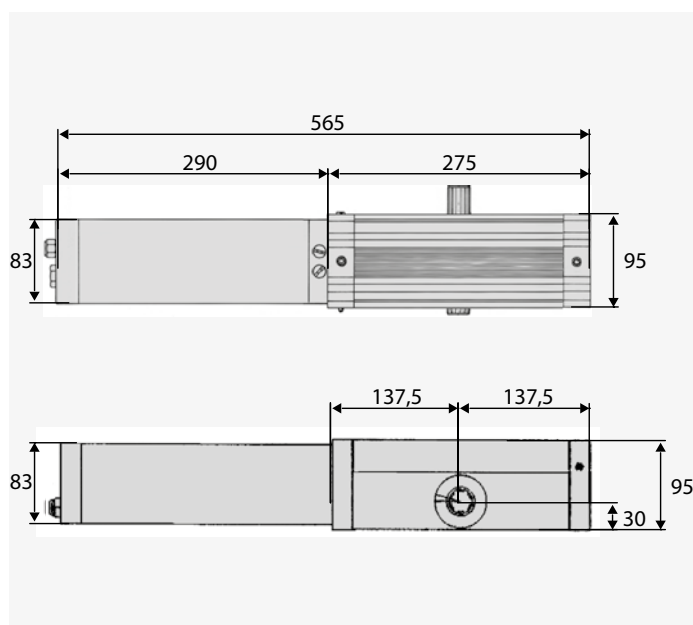
RECOMMENDED ACCESSORIES

<p>D121631 - PEGASO CABLE MONO</p> <p>Pre-wired power supply cable for PEGASO single phase operators. Length 1 m</p>	<p>P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>
<p>D121632 - PEGASO CABLE TRI</p> <p>Pre-wired power supply cable for PEGASO three-phase operators. Length 1 m</p>	<p>D121624 - PEGASO UP CONTROL 5</p> <p>Cable with pre-wired OPEN - STOP - CLOSE keypad for PEGASO UP operators. For adjusting motor limit switches from floor level. Length 5 m</p>
<p>D121625 - PEGASO UP CONTROL 10</p> <p>Cable with pre-wired OPEN - STOP - CLOSE keypad for PEGASO UP operators. For adjusting motor limit switches from floor level. Length 10 m</p>	<p>N999468 - PEG CCP</p> <p>Extension for PEGASO C operators release chain. Length 4 m</p>
<p>N733338 - FIG 12/ULISSE S</p> <p>Z12 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts</p>	<p>N733336 - FIG 14/ULISSE S</p> <p>Z14 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts</p>
<p>N733339 - FIG 18/ULISSE S</p> <p>Z18 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts</p>	<p>N733337 - FIG 30/ULISSE S</p> <p>Z30 pinion gear for reduction on industrial sectional doors, for 1" (25.4 mm) shafts</p>
<p>N733148 - COR 30</p> <p>Z30 gear kit with accessories for industrial sectional doors, for 1" (25.4 mm) shafts</p>	<p>N733149 - COR 40</p> <p>Z40 gear kit with accessories for industrial sectional doors, for 1" (25.4 mm) shafts</p>
<p>N733121 - SFZ</p> <p>Additional fixing bracket kit. To be used on chain drive installations.</p>	<p>N733449 - PEGASO ADA</p> <p>PEGASO ADA adapter for installation on doors with 1"1/4 shaft</p>



Hydraulic operator for very intensive use for industrial folding doors, maximum two panels per leaf.
Designed for the toughest conditions of use, it combines strength and the typical reliability of hydraulic operators.

Dimension (mm)



Technical features

	FORB	FORB R	FORB ERSA
Control unit	RIGEL 6	RIGEL 6	RIGEL 6
Nominal voltage	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W
Max surface area	6 m ²	2,40 m ²	2,40 m ²
Door surface area	6 m ²	2,40 m ²	2,40 m ²
Opening or closing time	25	Language	Language
Slowdown	no	Yes	Yes
Locking	Hydraulic	Hydraulic	absent
Release	Lever or steel cable	Lever or steel cable	Lever or steel cable
Impact reaction	Sure-safe anti-crushing system with 2 bypass valves	Sure-safe anti-crushing system with 2 bypass valves	Sure-safe anti-crushing system with 2 bypass valves
Frequency of use	very intensive	very intensive	very intensive
Protection rating	IP57	IP57	IP20
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C	-15 ÷ 60 °C

Code	Name	Description
P935017 00001	FORB	Hydraulic operator for industrial folding doors (maximum two panels) of maximum surface area 6 m ² and very intensive use. Hydraulic protection against crushing
P935019 00001	FORB R	Hydraulic operator for industrial folding doors (maximum two panels) of maximum surface area 2.4 m ² and very intensive use. Hydraulic slowdown
P935038 00001	FORB ERSA	Hydraulic operator for industrial folding doors (maximum two panels) of maximum surface area 2.4 m ² and very intensive use. With slowdown of movements and automatic release. Hydraulic slowdown

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

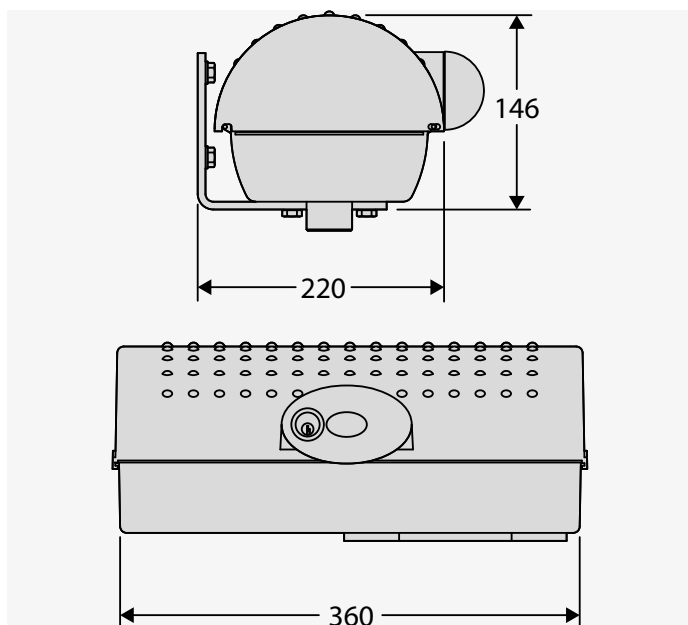
RECOMMENDED ACCESSORIES

	new P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc		N733020 - SEB External key release for BERMA, FORB, IGEA LB and IGEA LB BT		
	P111407 - FALCON Industrial presence sensor installable up to 7 m.				



Range of 230V electromechanical operators for industrial folding doors, up to 2 panels per gate.
Available also in 24V version to guarantee maximum anti-crushing safety and precision in movement and slowdown.

Dimension (mm)



Technical features

	IGEA LB BT	IGEA LB
Control unit	THALIA P	RIGEL 6
Nominal voltage	24 V	230 V
Power consumption	40 W	300 W
Max. door/gate weight	250 kg	250 kg
Panel length	2 m	2 m
Type of limit switch	Electromechanical	Electromechanical
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	External accessory with personal key	External accessory with personal key
Impact reaction	D-Track	Electronic clutch
Frequency of use	Semi intensive	Semi intensive
Protection rating	IP4X	IP4X
Environmental conditions	-15 ÷ 60 °C	-15 ÷ 60 °C

Code	Name	Description
P935072 00002	IGEA LB BT	Electromechanical operator for industrial folding doors (max. two panels) with panel length 2 m. door weight 250 kg and use Semi intensive. D-Track
P935077 00001	IGEA LB	Electromechanical operator for industrial folding doors (max. two panels) with panel length 2 m. door weight 250 kg and use Semi intensive. Electric clutch

THALIA P: Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems



D113747 00002 - THALIA P - Recommended



- Card power supply: 230 V single-phase
- Operators power supply: 24Vdc 240W max each operator
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display and incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing and electronic self-learning
- Main features: automatic closing, rapid closing, partial opening, operation with deadman feature, direct connection powered solenoid lock and electromagnet, direct connection edge BK2.
- Application: display panel for 1 or 2 24V operators
- Compatibility: LIBRA C MA, LIBRA, LIBRA R, LIBRA MA R

RIGEL 6 220-230V 50/60HZ: Universal control panel with display for one or two 230V - 650+650W operators



D113833 00002 - RIGEL 6 220-230V 50/60HZ - Recommended



- Universal control panel with display for one or two 230V - 650+650W operators
- Application: universal control panel for one or two operators
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 600+600W
- Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.
- Main functions: automatic re-closing, separate motor working times, stays locked when closed, water hammer, 2/3/4 step logic, partial opening, fast closing, separate opening and closing
- Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

RECOMMENDED ACCESSORIES

	D113811 00004 - ALENA SW2 Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors		P111782 - COMPACTA A20-180 Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc
	D113745 00002 - THALIA Control panel with display for one or two 24V electromechanical operators for swing gates		N733020 - SEB External key release for BERMA, FORB, IGEA LB and IGEA LB BT

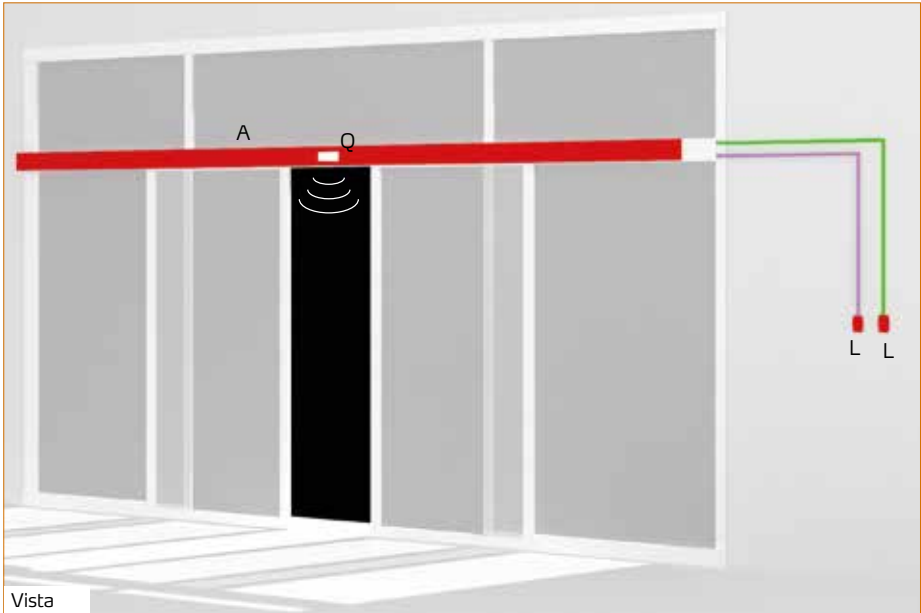


Automation systems for automatic pedestrian doors

Guide to choosing

Number of doors	Door weight	Supply voltage	Clear opening	Kit	Operator	Plus
Sliding						
1	NoSet	24 V	750÷2550 mm	-	VISTA SL E-107 230V	
	150 kg		750 mm	-	VISTA SL-107	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 750 mm and crosspiece width 1600 mm.
2	NoSet		800÷2900 mm	-	VISTA SL E-208 230V	
	2x120 kg		800 ÷ 3300 mm	-	VISTA TL2-207	Maximum useful passage
	120+120 kg		800 mm	-	VISTA SL-208	For very heavy gate leaves
4	4x80 kg		1600 ÷ 4400 mm	-	VISTA TL4-416	Maximum useful passage
TypeNoSet						
NoSet	NoSet	NoSet	NoSet	-	VISTA SLE	
Swing						
1	260 kg	24 V	600 ÷ 1400 mm	-	VISTA SW 260 MXL	Ideal for “fail safe” installations (management with batteries)
	350 kg			-	VISTA SW 260 SXL	Ideal for “fail safe” installations (battery management)
				-	VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA	Ideal for “fail safe” installations (management with batteries)
				-	VISTA SW 350 SXL PORTA BATTENTE CON MOLLA	Ideal for “low energy” installations (spring closure) and on fire doors

Installation guide



A	Operator
L	Control system (key selector switch, keypad, badge reader)
Q	Radar
—	6x1
—	3x1.5

Code	Name	Anodised casing	Description	
P960502 00006	VISTA SL-107	P111411 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 750 mm and crosspiece width 1600 mm.	U-Link
P960503 00006	VISTA SL-108	P111412 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 850 mm and crosspiece width 1800 mm.	U-Link
P960504 00006	VISTA SL-109	P111414 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 950 mm and crosspiece width 2000 mm.	U-Link
P960505 00006	VISTA SL-110	P111473 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1050 mm and crosspiece width 2200 mm.	U-Link
P960506 00006	VISTA SL-111	P111416 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1150 mm and crosspiece width 2400 mm.	U-Link
P960507 00006	VISTA SL-112	P111417 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1250 mm and crosspiece width 2600 mm.	U-Link
P960508 00006	VISTA SL-113	P111418 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1350 mm and crosspiece width 2800 mm.	U-Link
P960509 00006	VISTA SL-114	P111419 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1450 mm and crosspiece width 3000 mm.	U-Link
P960510 00006	VISTA SL-115	P111420 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1550 mm and crosspiece width 3200 mm.	U-Link
P960511 00006	VISTA SL-116	P111421 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1650 mm and crosspiece width 3400 mm.	U-Link
P960512 00006	VISTA SL-117	P111422 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1750 mm and crosspiece width 3600 mm.	U-Link
P960513 00006	VISTA SL-119	P111423 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 1950 mm and crosspiece width 4000 mm.	U-Link
P960514 00006	VISTA SL-121	P111424 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 2150 mm and crosspiece width 4400 mm.	U-Link
P960515 00006	VISTA SL-123	P111425 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 2350 mm and crosspiece width 4800 mm.	U-Link
P960516 00006	VISTA SL-125	P111426 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 150 kg. useful passage 2550 mm and crosspiece width 5200 mm.	U-Link
P960517 00002	VISTA SL-208	P111413 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 800 mm and crosspiece width 1900 mm. For very heavy gate leaves	U-Link
P960518 00002	VISTA SL-209	P111414 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 900 mm and crosspiece width 2000 mm. For very heavy gate leaves	U-Link
P960519 00002	VISTA SL-210	P111473 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1000 mm and crosspiece width 2200 mm. For very heavy gate leaves	U-Link
P960520 00002	VISTA SL-211	P111416 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1100 mm and crosspiece width 2400 mm. For very heavy gate leaves	U-Link
P960521 00002	VISTA SL-212	P111417 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1200 mm and crosspiece width 2600 mm. For very heavy gate leaves	U-Link
P960522 00002	VISTA SL-213	P111418 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1300 mm and crosspiece width 2800 mm. For very heavy gate leaves	U-Link
P960501 00002	VISTA SL-214	P111419 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1400 mm and crosspiece width 3000 mm. For very heavy gate leaves	U-Link
P960523 00002	VISTA SL-215	P111420 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1500 mm and crosspiece width 3200 mm. For very heavy gate leaves	U-Link
P960524 00002	VISTA SL-216	P111421 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1600 mm and crosspiece width 3400 mm. For very heavy gate leaves	U-Link



Code	Name	Anodised casing	Description	
P960525 00002	VISTA SL-217	P111422 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1700 mm and crosspiece width 3600 mm. For very heavy gate leaves	U-Link
P960526 00002	VISTA SL-219	P111423 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 1900 mm and crosspiece width 4000 mm. For very heavy gate leaves	U-Link
P960527 00002	VISTA SL-221	P111424 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 2100 mm and crosspiece width 4400 mm. For very heavy gate leaves	U-Link
P960528 00002	VISTA SL-223	P111425 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 2300 mm and crosspiece width 4800 mm. For very heavy gate leaves	U-Link
P960529 00002	VISTA SL-225	P111426 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 2500 mm and crosspiece width 5200 mm. For very heavy gate leaves	U-Link
P960530 00002	VISTA SL-227	P111427 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 2700 mm and crosspiece width 5600 mm. For very heavy gate leaves	U-Link
P960531 00002	VISTA SL-229	P111428 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 120+120 kg. useful passage 2900 mm and crosspiece width 6000 mm. For very heavy gate leaves	U-Link

ARIA EVO: Control unit for pedestrian doors

ARIA EVO - Built in







- Control unit for pedestrian doors
- Application: control unit for pedestrian doors
- Card power supply: 230 V single-phase
- Operator power supply: 24 V
- Main features: programming with display, incorporated dual channel receiver, anti-crushing, slowdown during opening and closing
- Main functions: automatic re-closing, alarms management, anti-break-in logics

VISTA SL

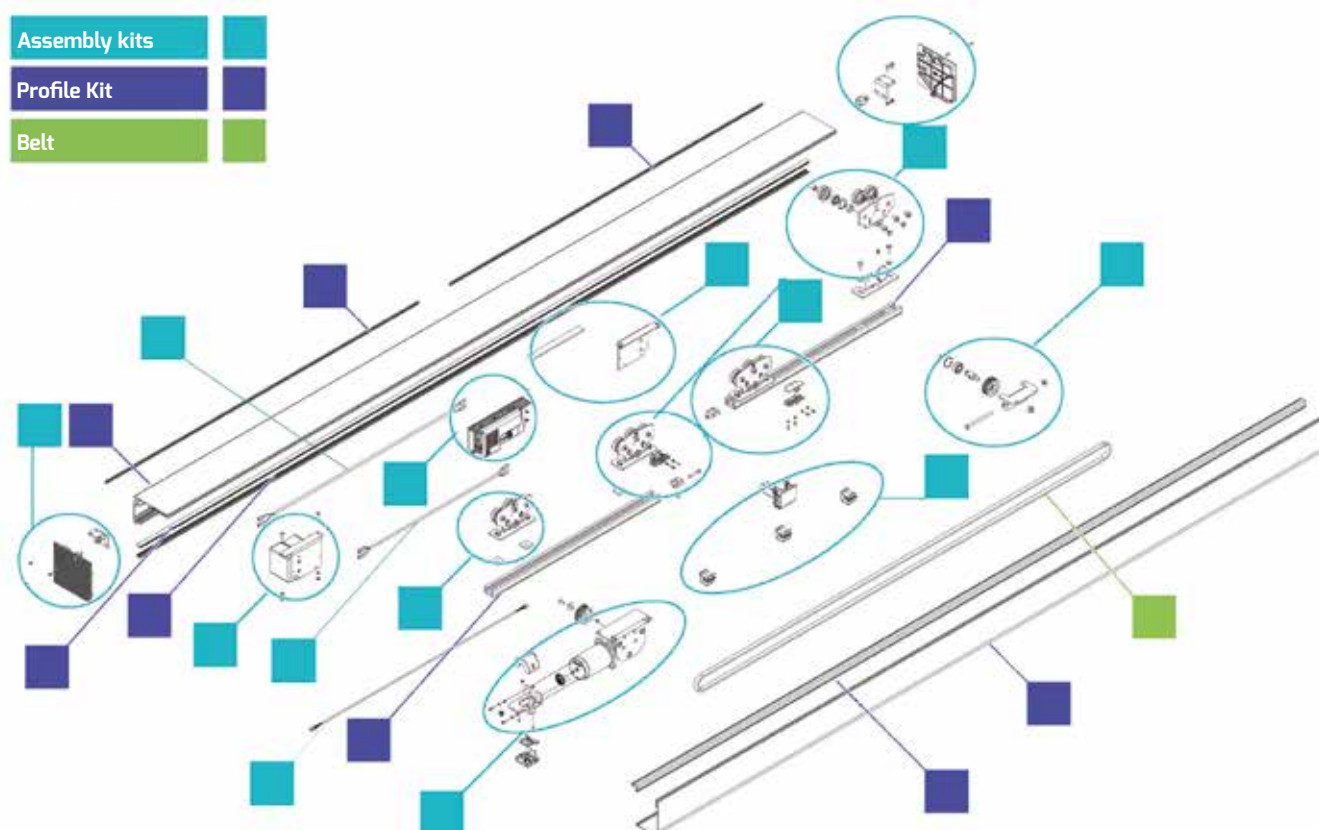
	D113722 - VISTA SEL Function selector for pedestrian door series VISTA SL, SL C, TL		P111768 - BBV BATT MODULO VISTA SL Set of backup batteries for VISTA SL
	P111445 - SBV Anodised aluminium supporting crosspiece for VISTA SL		P111681 - PRV AA SL Leaf attachment profile for Vista SL. L = 2600 mm
	P111680 - WMP SL SLC Contains 2 crossbeam support profiles of length L = 1 m each		N733408 - ERV Solenoid lock assembly for VISTA SL/SL C, (use with BBV recommended) ERV
	P111156 - PPR Door guide slide for automatic doors with aluminium frame		P111158 - PGI Bottom door guide for automatic doors with aluminium frame
P111720 00002 - SASA 1AM SIST SFOND.1 ANTA MOBILE Breakthrough system kit for 1 movable leaf		P111721 00002 - SASA 1AMF SIST SFOND.ANTE 1 MOB + 1 FX Breakthrough system kit for 1 fixed leaf and 1 movable leaf	
P111722 00002 - SASA 2AM SIST SFOND...2 ANTE MOB Breakthrough system kit for 2 movable leaves		P111723 00002 - SASA 2AMF SIST SFOND.ANTE 2 MOB + 2 FX Breakthrough system kit for 2 fixed leaves and 2 movable leaves	

VISTA SL

	P111724 00002 - SASA BRACKETS FOR LEAF BREAKAGE DETECTION PHOTOC.		P111725 00002 - SASA PRA 2,5 PROF.PROT.ANTA FX/MOB 2.5M
	Bracket kit for mounting FPA1 photocells for leaf breakage detection		Protection profile for fixed/movable leaf. Length L = 2.5 m
	P111726 00002 - SASA PRA 5 PROF. PROTEZ.ANTA FX/MOB, 5M		P111607 00002 - PRV 40.080 CORNICE ABBATTIMENTO L=6.82
	Protection profile for fixed/movable leaf. Length L = 5 m		Break-open frame for fixed leaf joint. Length L = 6.82 m
	P111610 00002 - PRV 40.120 MONTANTE ABBATTIMENTO L=5.1		N733589 - PRV 40.A53 CERNIERE PER SASA DX
	Break-open upright for fixed leaf joint. Length L = 5.1 m		Right hinge for joint on fixed leaf
	N733590 - PRV 40.A54 CERNIERE PER SASA SX		P111753 - OA-AXIS T
	Left hinge for joint on fixed leaf		Active infrared sensor for activation and security with safety test
	P111751 - OA-AXIS II		P111754 - OA-203C
	Active infrared sensor for activation and security		Active infrared sensor for activation and presence
	P111755 - OA-PRESENCE TN		P111759 - OT 3
	Active infrared sensor for security		Elbow-operated pushbutton, silver
	P111653 - VIO-DT2		P111654 - VIO-DT1
	Safety and bi-directional activation sensor, dual technology, monitored		Safety and mono-directional activation sensor, dual technology, monitored
	P111655 - IXIO-DT1		P111656 - VIO-ST
	Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.		Infrared safety sensor, monitored
	P111662 - VIO-M		P111676 - MAGIC SWITCH
	Compact mono-directional activation sensor		Activation touch button
	P111677 - PUSH PLATE		P111678 - SPAC
	Activation button		Pair of locks (2) for glass leaf
	P111687 - KIT FPA MA-I2		P111685 - KIT FPA2
	FPA MA 12 kit with two pairs photocells and brackets for Vista		FPA kit with two pairs photocells and brackets for Vista
	P111683 - KIT FPA1		
	FPA kit with pair of photocells and brackets for Vista		



Assembly kits



VISTA SL

Code	Name		
P960621 00002	MOUNTING KIT MODULO VISTA SL1 LEAF EVO 230V new		Installation kit for VISTA SL for single-leaf automatic swing doors. Fitted with Vista module.
P111749	EXPANSION KIT MODULO VISTA FOR 2 LEAVES		Expansion kit, second gate for Vista Module SL/SLE 1-gate kit.
P960614 00001	KIT PROFILI VISTA SL 3M UTILE N		
P960614 00002	KIT PROFILI VISTA SL 3M UTILE O		
P960615 00001	KIT PROFILI VISTA SL 4.4M UTILE N		
P960615 00002	KIT PROFILI VISTA SL 4.4M UTILE O		Kit profila VISTA SL 4.4m
P960616 00001	KIT PROFILI VISTA SL 6M UTILE N		
P960616 00002	KIT PROFILI VISTA SL 6M UTILE O		Kit profila VISTA SL 6m
D191099	CINGHIA DENTATA GOMMA RPP8-15 ANTIS. 30M		Remen za automatska vrata VISTA SL L=30m.

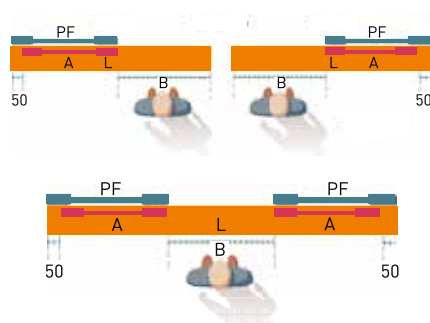








Complete range of automation devices for sliding pedestrian doors with maximum leaf weight of 100 kg and speeds of up to 70cm/s per leaf.

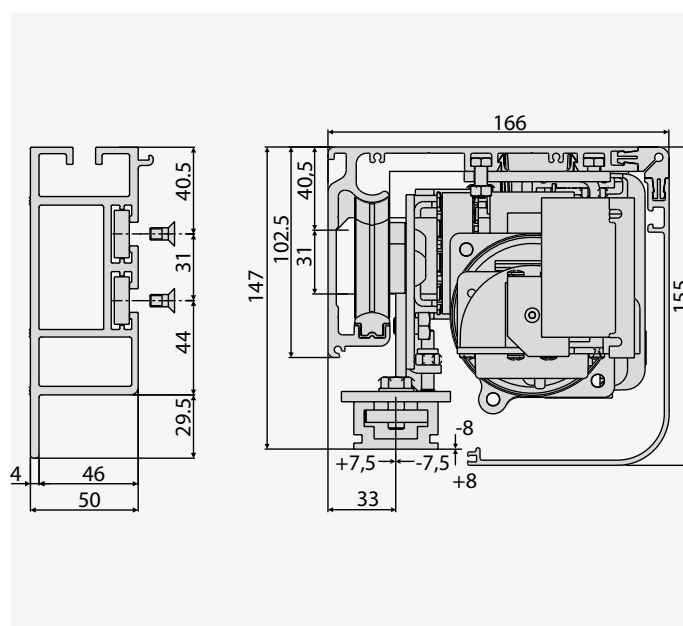
The control unit, with a programming display and microprocessor technology, makes it possible to control all the main functions automatically.

Shock-absorbing track and specially shaped wheels ensure that movement is absolutely silent. U-Link interconnectivity protocol



	Case length (L)
	Opening (B)
	Leaf length (A)
	Fixed part (PF) A+50

Dimension (mm)



Technical features

	VISTA SL E-1	VISTA SL E-2
Control unit	ARIA EVO	ARIA EVO
Supply voltage	24 V	24 V
Nominal power consumption	120 W	120 W
Leaf type	Sliding	Sliding
Number of doors	1	2
Door weight	100 kg	80+80 kg
Manual cycle	Reversible	Reversible
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Clear opening	750÷2550 mm	800÷2900 mm
Opening speed	70	140
Closing speed	70	140
Approach speed	5 ÷ 10	5 ÷ 10
Locking	Mechanical	Mechanical
Release	Release lever	Release lever
Impact reaction	Electronic torque limiter	Electronic torque limiter
Use cycle	Continuous	Continuous
Protection rating	IPX0	IPX0
Environmental conditions	50 °C	50 °C

Code	Name		Anodised casing	Description
P960634 00002	VISTA SL E-107 230V		P111411 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 750 mm and crosspiece width 1600 mm.
P960635 00002	VISTA SL E-108 230V		P111412 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 850 mm and crosspiece width 1800 mm.
P960636 00002	VISTA SL E-109 230V		P111414 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 950 mm and crosspiece width 2000 mm.
P960637 00002	VISTA SL E-110 230V		P111473 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1050 mm and crosspiece width 2200 mm.
P960638 00002	VISTA SL E-111 230V		P111416 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1150 mm and crosspiece width 2400 mm.
P960639 00002	VISTA SL E-112 230V		P111417 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1250 mm and crosspiece width 2600 mm.
P960640 00002	VISTA SL E-113 230V		P111418 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1350 mm and crosspiece width 2800 mm.
P960641 00002	VISTA SL E-114 230V		P111419 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1450 mm and crosspiece width 3000 mm.
P960642 00002	VISTA SL E-115 230V		P111420 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1550 mm and crosspiece width 3200 mm.
P960643 00002	VISTA SL E-116 230V		P111421 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1650 mm and crosspiece width 3400 mm.
P960644 00002	VISTA SL E-117 230V		P111422 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1750 mm and crosspiece width 3600 mm.
P960645 00002	VISTA SL E-119 230V		P111423 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 1950 mm and crosspiece width 4000 mm.
P960646 00002	VISTA SL E-121 230V		P111424 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 2150 mm and crosspiece width 4400 mm.
P960647 00002	VISTA SL E-123 230V		P111425 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 2350 mm and crosspiece width 4800 mm.
P960648 00002	VISTA SL E-125 230V		P111426 00002	Operator for pedestrian sliding doors with 1 leaf with max weight 100 kg. useful passage 2550 mm and crosspiece width 5200 mm.
P960649 00002	VISTA SL E-208 230V		P111413 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 800 mm and crosspiece width 1900 mm.
P960650 00002	VISTA SL E-209 230V		P111414 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 900 mm and crosspiece width 2000 mm.
P960651 00002	VISTA SL E-210 230V		P111473 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1000 mm and crosspiece width 2200 mm.
P960652 00002	VISTA SL E-211 230V		P111416 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1100 mm and crosspiece width 2400 mm.
P960653 00002	VISTA SL E-212 230V		P111417 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1200 mm and crosspiece width 2600 mm.
P960654 00002	VISTA SL E-213 230V		P111418 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1300 mm and crosspiece width 2800 mm.
P960655 00002	VISTA SL E-214 230V		P111419 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1400 mm and crosspiece width 3000 mm.
P960656 00002	VISTA SL E-215 230V		P111420 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1500 mm and crosspiece width 3200 mm.
P960657 00002	VISTA SL E-216 230V		P111421 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1600 mm and crosspiece width 3400 mm.
P960658 00002	VISTA SL E-217 230V		P111422 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1700 mm and crosspiece width 3600 mm.
P960659 00002	VISTA SL E-219 230V		P111423 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 1900 mm and crosspiece width 4000 mm.
P960660 00002	VISTA SL E-221 230V		P111424 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 2100 mm and crosspiece width 4400 mm.
P960661 00002	VISTA SL E-223 230V		P111425 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 2300 mm and crosspiece width 4800 mm.
P960662 00002	VISTA SL E-225 230V		P111426 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 2500 mm and crosspiece width 5200 mm.
P960663 00002	VISTA SL E-227 230V		P111427 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 2700 mm and crosspiece width 5600 mm.
P960664 00002	VISTA SL E-229 230V		P111428 00002	Operator for pedestrian sliding doors with 2 leaf with max weight 80+80 kg. useful passage 2900 mm and crosspiece width 6000 mm.



ARIA EVO: Control unit for pedestrian doors

ARIA EVO - Built in












- Control unit for pedestrian doors
- Application: control unit for pedestrian doors
- Card power supply: 230 V single-phase
- Operator power supply: 24 V
- Main features: programming with display, incorporated dual channel receiver, anti-crushing, slowdown during opening and closing
- Main functions: automatic re-closing, alarms management, anti-break-in logics

VISTA SL E

	D113722 - VISTA SEL Function selector for pedestrian door series VISTA SL, SL C, TL		P111768 - BBV BATT MODULO VISTA SL Set of backup batteries for VISTA SL
	P111445 - SBV Anodised aluminium supporting crosspiece for VISTA SL		P111681 - PRV AA SL Leaf attachment profile for Vista SL. L = 2600 mm
	P111680 - WMP SL SLC Contains 2 crossbeam support profiles of length L = 1 m each		N733408 - ERV Solenoid lock assembly for VISTA SL/SL C, (use with BBV recommended) ERV
	P111156 - PPR Door guide slide for automatic doors with aluminium frame		P111158 - PGI Bottom door guide for automatic doors with aluminium frame
	P111720 00002 - SASA 1AM SIST SFOND.1 ANTA MOBILE Breakthrough system kit for 1 movable leaf		P111721 00002 - SASA 1AMF SIST SFOND.ANTE 1 MOB + 1 FX Breakthrough system kit for 1 fixed leaf and 1 movable leaf
	P111722 00002 - SASA 2AM SIST SFOND...2 ANTE MOB Breakthrough system kit for 2 movable leaves		P111723 00002 - SASA 2AMF SIST SFOND.ANTE 2 MOB + 2 FX Breakthrough system kit for 2 fixed leaves and 2 movable leaves
	P111724 00002 - SASA BRACKETS FOR LEAF BREAKAGE DETECTION PHOTOC. Bracket kit for mounting FPA1 photocells for leaf breakage detection		P111725 00002 - SASA PRA 2,5 PROF.PROT.ANTE FX/MOB 2.5M Protection profile for fixed/movable leaf. Length L = 2.5 m
	P111726 00002 - SASA PRA 5 PROF. PROTEZ.ANTE FX/MOB, 5M Protection profile for fixed/movable leaf. Length L = 5 m		P111607 00002 - PRV 40.080 CORNICE ABBATTIMENTO L=6.82 Break-open frame for fixed leaf joint. Length L = 6.82 m
	P111610 00002 - PRV 40.120 MONTANTE ABBATTIMENTO L=5.1 Break-open upright for fixed leaf joint. Length L = 5.1 m		N733589 - PRV 40.A53 CERNIERE PER SASA DX Right hinge for joint on fixed leaf
	N733590 - PRV 40.A54 CERNIERE PER SASA SX Left hinge for joint on fixed leaf		P111753 - OA-AXIS T Active infrared sensor for activation and security with safety test

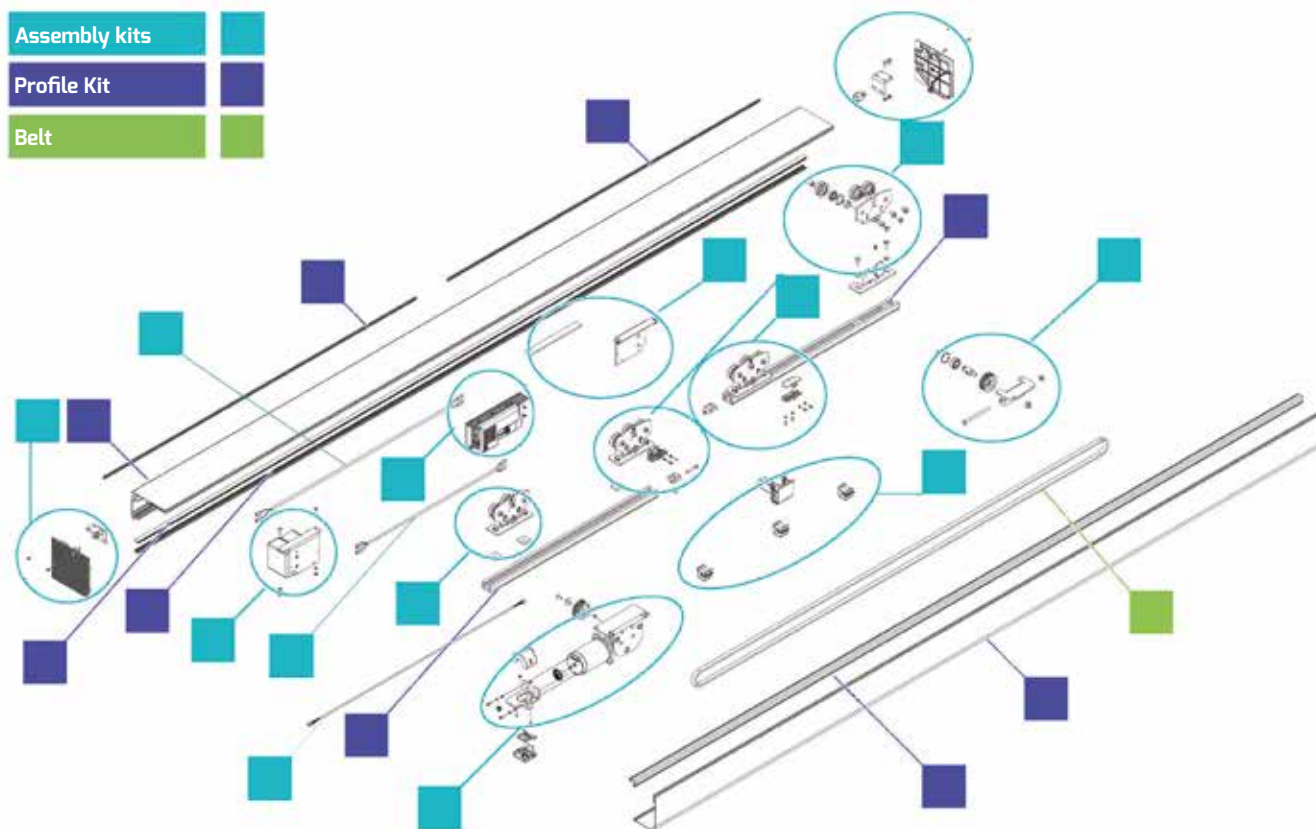
VISTA SL E

	P111751 - OA-AXIS II		P111754 - OA-203C
	Active infrared sensor for activation and security		Active infrared sensor for activation and presence
	P111755 - OA-PRESENCE TN		P111759 - OT 3
	Active infrared sensor for security		Elbow-operated pushbutton, silver
	P111653 - VIO-DT2		P111654 - VIO-DT1
	Safety and bi-directional activation sensor, dual technology, monitored		Safety and mono-directional activation sensor, dual technology, monitored
	P111655 - IXIO-DT1		P111656 - VIO-ST
	Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.		Infrared safety sensor, monitored
	P111662 - VIO-M		P111676 - MAGIC SWITCH
	Compact mono-directional activation sensor		Activation touch button
	P111677 - PUSH PLATE		P111678 - SPAC
	Activation button		Pair of locks (2) for glass leaf
	P111687 - KIT FPA MA-I2		P111685 - KIT FPA2
	FPA MA 12 kit with two pairs photocells and brackets for Vista		FPA kit with two pairs photocells and brackets for Vista
	P111683 - KIT FPA1		
	FPA kit with pair of photocells and brackets for Vista		



Assembly kits

Assembly kits	
Profile Kit	
Belt	



VISTA SLE

Code	Name	
P960633 00002	MOUNTING KIT MODULO VISTA SLE1 new	Installation kit for VISTA SL for single-leaf automatic swing doors. Fitted with Vista module.
P111749	EXPANSION KIT MODULO VISTA FOR 2 LEAVES	Expansion kit, second gate for Vista Module SL/SLE 1-gate kit.
P960614 00001	KIT PROFILI VISTA SL 3M UTILE N	
P960614 00002	KIT PROFILI VISTA SL 3M UTILE O	
P960615 00001	KIT PROFILI VISTA SL 4.4M UTILE N	
P960615 00002	KIT PROFILI VISTA SL 4.4M UTILE O	Kit profila VISTA SL 4.4m
P960616 00001	KIT PROFILI VISTA SL 6M UTILE N	
P960616 00002	KIT PROFILI VISTA SL 6M UTILE O	Kit profila VISTA SL 6m
D191099	CINGHIA DENTATA GOMMA RPP8-15 ANTIS. 30M	Remen za automatska vrata VISTA SL L=30m.



	U-Link
	Quick Delivery
	New
	Phase-out

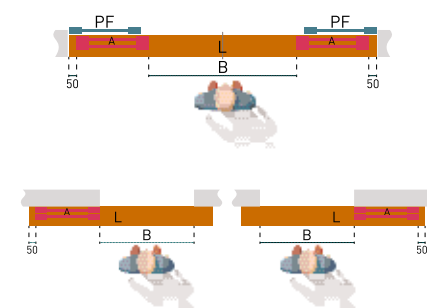
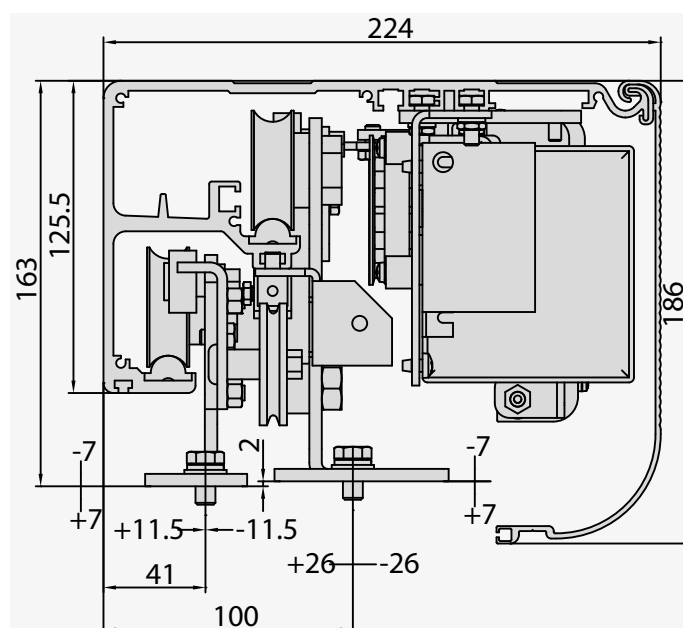
	U-Control app
	p. 17





	Accessories	
	p. 278	
	accessories for control units	P. 278 signalling devices
	set of batteries for control units	P. 278 safety devices - photocells and accessories
	expansion boards	P. 279 safety devices - sensitive edges
	software	P. 280 rubber profiles
	receivers	P. 280 solenoid locks
	transmitters	P. 281 release systems
	control devices	P. 281
		P. 283
		P. 283
		P. 285
		P. 285
		P. 286
		P. 287



Automation for telescopic sliding doors for leaf weights up to 2x120Kg and 4x80Kg. Ideal for obtaining maximum useful passage in a limited space, the control unit with programming display allows local automatic adjustment of all the main functions and remote management via U-Link interconnectivity protocol

Dimension (mm)



	Sum of length of two movable leaves (A)
	Case length (L)
	Opening (B)
	Fixed part (PF) A+50

Technical features

	VISTA TL2-2	VISTA TL4-4
Control unit	ARIA EVO	ARIA EVO
Supply voltage	24 V	24 V
Nominal power consumption	230 W	230 W
Leaf type	Sliding	Sliding
Number of doors	2	4
Door weight	2x120 kg	4x80 kg
Manual cycle	Reversible	Reversible
Type of limit switch	Encoder + mechanical stop for opening	Encoder + mechanical stop for opening
Clear opening	800 ÷ 3300 mm	1600 ÷ 4400 mm
Opening speed	up to 100	up to 200
Closing speed	up to 100	up to 200
Locking	Mechanical	Mechanical
Release	Release lever	Release lever
Impact reaction	Electronic torque limiter	Electronic torque limiter
Use cycle	Continuous	Continuous
Protection rating	IPX0	IPX14
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

Code	Name	Description	
P960580 00002	VISTA TL2-207	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 750 mm and transom width 1350 mm. Maximum useful passage	U-Link
P960581 00002	VISTA TL2-208	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 850 mm and transom width 1500 mm. Maximum useful passage	U-Link
P960582 00002	VISTA TL2-209	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 950 mm and transom width 1650 mm. Maximum useful passage	U-Link
P960583 00002	VISTA TL2-210	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 1050 mm and transom width 1800 mm. Maximum useful passage	U-Link
P960584 00002	VISTA TL2-212	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 1250 mm and transom width 2100 mm. Maximum useful passage	U-Link
P960585 00002	VISTA TL2-214	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 1450 mm and transom width 2400 mm. Maximum useful passage	U-Link
P960586 00002	VISTA TL2-216	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 1650 mm and transom width 2700 mm. Maximum useful passage	U-Link
P960587 00002	VISTA TL2-218	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 1850 mm and transom width 3000 mm. Maximum useful passage	U-Link
P960588 00002	VISTA TL2-220	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 2050 mm and transom width 3300 mm. Maximum useful passage	U-Link
P960589 00002	VISTA TL2-222	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 2250 mm and transom width 3600 mm. Maximum useful passage	U-Link
P960590 00002	VISTA TL2-224	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 2450 mm and transom width 3900 mm. Maximum useful passage	U-Link
P960591 00002	VISTA TL2-226	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 2650 mm and transom width 4200 mm. Maximum useful passage	U-Link
P960592 00002	VISTA TL2-228	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 2850 mm and transom width 4500 mm. Maximum useful passage	U-Link
P960593 00002	VISTA TL2-230	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 3050 mm and transom width 4800 mm. Maximum useful passage	U-Link
P960594 00002	VISTA TL2-232	Operator for telescopic sliding pedestrian doors with 2 leaves and max. weight 2x120 kg. useful passage 3250 mm and transom width 5100 mm. Maximum useful passage	U-Link
P960595 00002	VISTA TL4-416	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 1600 mm and transom width 2600 mm. Maximum useful passage	U-Link
P960596 00002	VISTA TL4-418	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 1800 mm and transom width 2900 mm. Maximum useful passage	U-Link
P960597 00002	VISTA TL4-420	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 2000 mm and transom width 3200 mm. Maximum useful passage	U-Link
P960598 00002	VISTA TL4-422	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 2200 mm and transom width 3500 mm. Maximum useful passage	U-Link
P960599 00002	VISTA TL4-424	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 2400 mm and transom width 3800 mm. Maximum useful passage	U-Link
P960600 00002	VISTA TL4-426	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 2600 mm and transom width 4100 mm. Maximum useful passage	U-Link
P960601 00002	VISTA TL4-428	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 2800 mm and transom width 4400 mm. Maximum useful passage	U-Link
P960602 00002	VISTA TL4-430	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 3000 mm and transom width 4700 mm. Maximum useful passage	U-Link
P960603 00002	VISTA TL4-432	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 3200 mm and transom width 5000 mm. Maximum useful passage	U-Link
P960604 00002	VISTA TL4-434	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 3400 mm and transom width 5300 mm. Maximum useful passage	U-Link



Code	Name	Description	
P960605 00002	VISTA TL4-436	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 3600 mm and transom width 5600 mm. Maximum useful passage	U-Link
P960606 00002	VISTA TL4-438	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 3800 mm and transom width 5900 mm. Maximum useful passage	U-Link
P960607 00002	VISTA TL4-440	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 4000 mm and transom width 6200 mm. Maximum useful passage	U-Link
P960608 00002	VISTA TL4-442	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 4200 mm and transom width 6500 mm. Maximum useful passage	U-Link
P960609 00002	VISTA TL4-444	Operator for telescopic sliding pedestrian doors with 4 leaves and max. weight 4x80 kg. useful passage 4400 mm and transom width 6800 mm. Maximum useful passage	U-Link

ARIA EVO: Control unit for pedestrian doors

ARIA EVO - Built in














- Control unit for pedestrian doors
- Application: control unit for pedestrian doors
- Card power supply: 230 V single-phase
- Operator power supply: 24 V
- Main features: programming with display, incorporated dual channel receiver, anti-crushing, slowdown during opening and closing
- Main functions: automatic re-closing, alarms management, anti-break-in logics

VISTA TL

	D113722 - VISTA SEL Function selector for pedestrian door series VISTA SL, SL C, TL		P111158 - PGI Bottom door guide for automatic doors with aluminium frame
	P111618 00001 - PRV BR.48 Finishing brush 20 mm, length 2.5 m		P111618 00002 - PRV BR.49 Finishing brush 27 mm, length 2.5 m
	P111688 - PPA TL FX Vista TL glass leaf fixing clamp		P111689 - PPA TL GD Floor guides for Vista TL glass leaves
	P111717 - PRV AA TL Wing attachment profile for Vista TL, 5100 mm long		P111156 - PPR Door guide slide for automatic doors with aluminium frame
	P111661 - SPRV TL T Profile closing brackets, 5pcs		P111660 - PRV TL T Vista tl anodised closing profile, length 6.8 m
	N733565 - SLV SBV TL2 SBV TL side fixing brackets		N733408 - ERV Solenoid lock assembly for VISTA SL/SL C, (use with BBV recommended) ERV
	P111503 - BBV SLC TL Battery powered anti-panic device for VISTA SL C, TL		P111678 - SPAC Pair of locks (2) for glass leaf
	P111664 00002 - PPA TL 3200 O Clamps for glass leaf, 3200 mm, anodised		P111664 00001 - PPA TL 3200 N Clamps for glass leaf, 3200 mm, natural

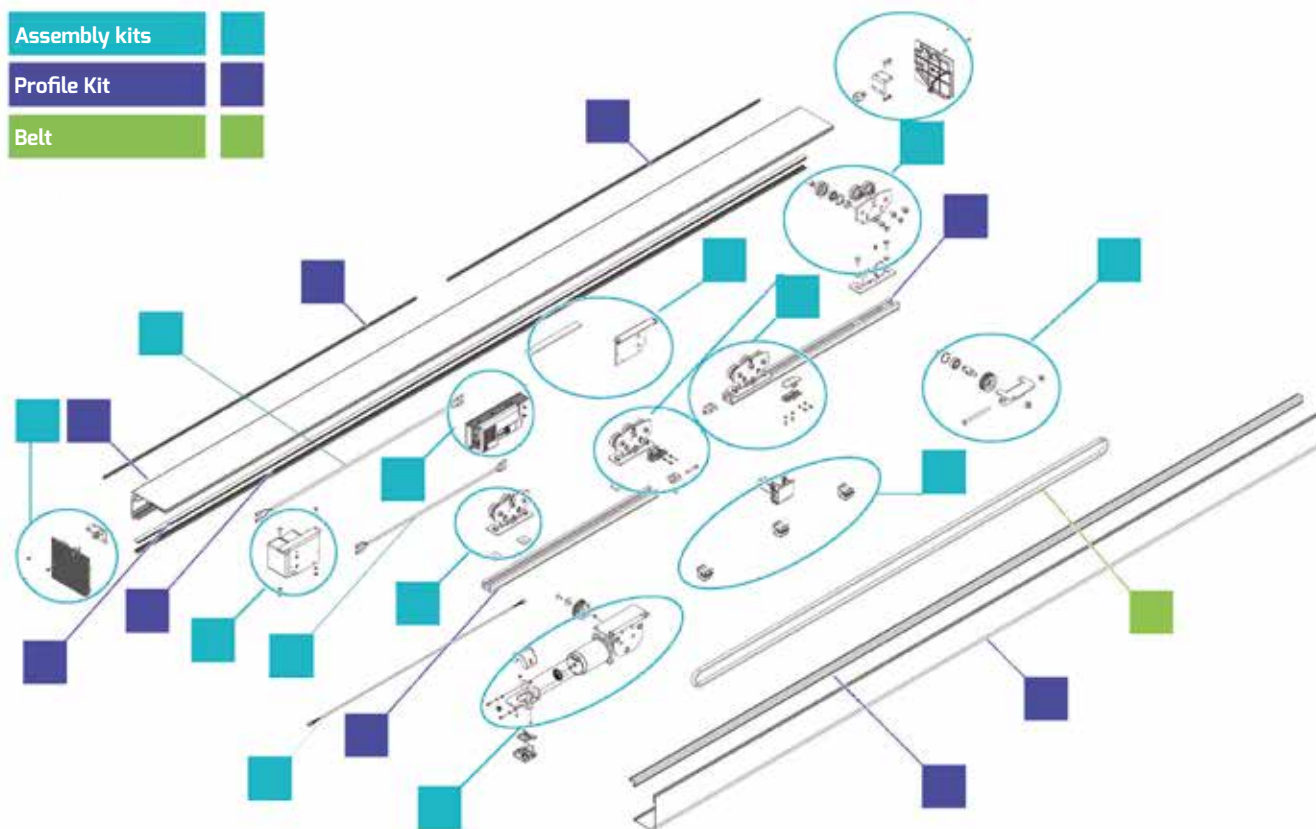
VISTA TL

	P111663 00002 - PPA TL 1600 O Clamps for glass leaf, 1600 mm, anodised		P111663 00001 - PPA TL 1600 N Clamps for glass leaf, 1600 mm, natural
	P111640 00001 - SBV TL Vista TL support beam, length 6.82 m		N733564 - SLV SBV TL1 SBV TL ceiling fixing brackets
	P111751 - OA-AXIS II Active infrared sensor for activation and security		P111753 - OA-AXIS T Active infrared sensor for activation and security with safety test
	P111755 - OA-PRESENCE TN Active infrared sensor for security		P111754 - OA-203C Active infrared sensor for activation and presence
	P111653 - VIO-DT2 Safety and bi-directional activation sensor, dual technology, monitored		P111654 - VIO-DT1 Safety and mono-directional activation sensor, dual technology, monitored
	P111655 - IXIO-DT1 Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.		P111656 - VIO-ST Infrared safety sensor, monitored
	P111662 - VIO-M Compact mono-directional activation sensor		P111676 - MAGIC SWITCH Activation touch button
	P111759 - OT 3 Elbow-operated pushbutton, silver		P111677 - PUSH PLATE Activation button



Assembly kits

Assembly kits	
Profile Kit	
Belt	



VISTA TL

Code	Name	
P960610 00002	KIT MONTAGGIO VISTA TL 2 ANTE	Komplet za sastavljanje dvokrilnih automatskih vrata VISTA TL.
P960611 00002	KIT MONTAGGIO VISTA TL 4 ANTE	Komplet za sastavljanje četverokrilnih automatskih vrata VISTA TL.
P960613 00001	KIT PROFILI VISTA TL 4,7M N	
P960613 00002	KIT PROFILI VISTA TL 4,7M O	Kit profila VISTA TL 4.7m
P960612 00001	KIT PROFILI VISTA TL 6,8M N	
P960612 00002	KIT PROFILI VISTA TL 6,8M O	Kit profila VISTA TL 6.8m



	U-Link
	Quick Delivery
	New
	Phase-out

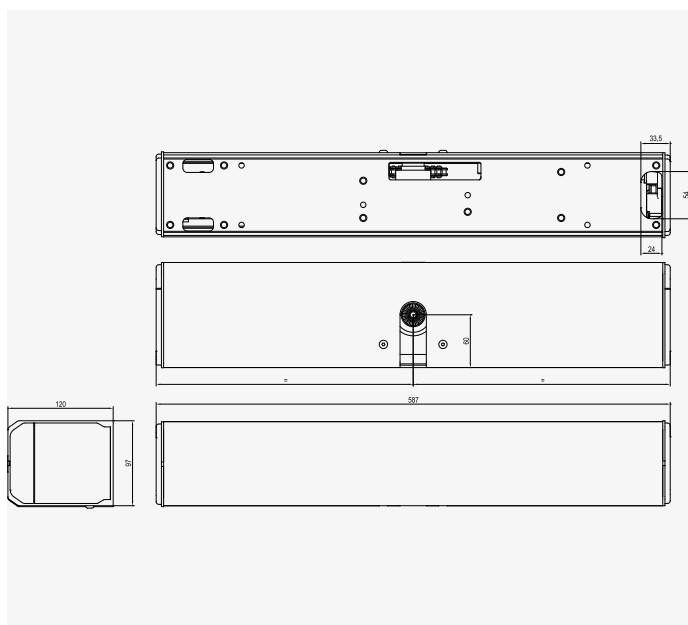
	U-Control app
	p. 17

	Accessories	
	p. 278	
	accessories for control units	P. 278 signalling devices
	set of batteries for control units	P. 278 safety devices - photocells and accessories
	expansion boards	P. 279 safety devices - sensitive edges
	software	P. 280 rubber profiles
	receivers	P. 280 solenoid locks
	transmitters	P. 281 release systems
	control devices	P. 281
		P. 283
		P. 283
		P. 285
		P. 285
		P. 286
		P. 287



A range of automated operators for pedestrian swing doors, which can also be used to automate existing accesses and is ideal for intensive use, heavy and large doors with a weight up to 260 kg. Available both with motorized control of opening and closing that with management of closure spring

Dimension (mm)



Technical features

	VISTA SW 260 MXL	VISTA SW 260 SXL
Control unit	Digital display and dip switch	Digital display and dip switch
Supply voltage	24 V	24 V
Nominal power consumption	85 W	85 W
Leaf type	Swing	Swing
Door weight	260 kg	260 kg
Maximum opening angle	110 °	110 °
Manual cycle	Reversible	Reversible
Motor type	Dunker motor	Dunker motor
Type of limit switch	Encoder	Encoder
Shaft max output torque	35 nm	35 nm
Closing	With motor	Return spring
Clear opening	600 ÷ 1400 mm	600 ÷ 1400 mm
Opening speed	up to 70	up to 70
Closing speed	up to 40	up to 40
Locking	Solenoid Lock	Solenoid Lock
Impact reaction	Electronic torque limiter	Electronic torque limiter
Use cycle	Continuous	Continuous

		VISTA SW 260 MXL	VISTA SW 260 SXL
Protection rating		IP40	IP40
Code	Name	Description	
P960666 00002	VISTA SW 260 MXL	Operator for swing doors with motor opening and closing. Gate panel with maximum weight 260 kg. Maximum width 587 mm. Ideal for "fail safe" installations (battery management) Ideal for "fail safe" installations (management with batteries)	
P960667 00002	VISTA SW 260 SXL	Operator for swing doors with motor and spring closure. Gate panel with maximum weight 260 kg. maximum width 587 mm. Ideal for "fail safe" installations (battery management). Ideal for "fail safe" installations (battery management)	

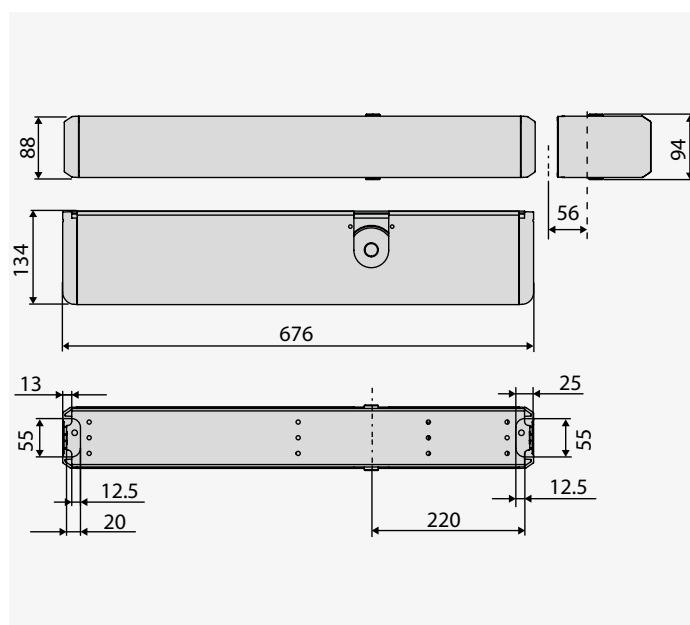
VISTA SW 260

	D113789 - VISTA SEL SW		P111657 00003 - 4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/900
	Function selector Vista SW		Monitored IR safety sensor for side-hung leaves, 2 modules, 900 mm
	P111657 00002 - 4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/700		P111657 00001 - 4SAFE IR SAFETY SENSOR MONIT. SW/1MOD/700
	Monitored IR safety sensor for side-hung leaves, 2 modules, 700 mm		Monitored IR safety sensor for side-hung leaves, 1 module, 700 mm
	P111656 - VIO-ST		P111662 - VIO-M
	Infrared safety sensor, monitored		Compact mono-directional activation sensor
	P111756 - OA-EDGE T 340 1M		P111757 - OA-EDGE T 700 1M
	Active infrared sensor for security L 340 mm with 1 module with safety test		Active infrared sensor for security L 700 mm with 1 module with safety test
	P111758 - OA-EDGE T 1200 2M		P111759 - OT 3
	Active infrared sensor for security L 1200 mm with 2 modules with safety test		Elbow-operated pushbutton, silver
	P111790 - ASW 260 XL RIG		P111791 - ASW 260 XL ART
	Rigid pull arm Vista SW 260 XL.		Articulated push arm Vista SW 260 XL.
	P111792 - EXT ASW 260 XL+20		P111796 - EXT ASW 260 XL 70
	Arm connection L=30 mm Vista SW XL, spacer		Arm connection L=70 Vista SW XL, spacer
	P111797 - EXT ASW 260 XL 90		P111795 - BBV SW 260
	Arm connection L=90 Vista SW XL, spacer		Emergency battery kit VISTA SW 260.
	P111794 - ASW 260 XL ARTL BRAC.ARTIC.SPINGERE LUNGO SW 260		P111793 - TSWP XL 260 PROFILI VISTA SW 260 DOPPIO
	Articulated push arm Vista SW 260 XL.		Profiles Vista SW double, 1.5 m.



Range of automated operators for pedestrian swing doors, which can also be used to make existing accesses automatic and ideal for intensive use, heavy and large doors with a weight up to 350 Kg.
Available both with motorized control of opening and closing that with management of closure spring

Dimension (mm)



Technical features

	VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA	VISTA SW 350 SXL PORTA BATTENTE CON MOLLA
Control unit	Digital display and dip switch	Digital display and dip switch
Supply voltage	24 V	24 V
Nominal power consumption	400 W	400 W
Leaf type	Swing	Swing
Door weight	350 kg	350 kg
Maximum opening angle	110 °	110 °
Manual cycle	Reversible	Reversible
Motor type	Dunker motor	Dunker motor
Type of limit switch	Encoder	Encoder
Shaft max output torque	85 nm	85 nm
Closing	With motor	Return spring
Clear opening	600 ÷ 1400 mm	600 ÷ 1400 mm
Opening speed	up to 70	up to 70
Closing speed	up to 40	up to 40
Closing force (according to EN 1154)	---	EN4-EN6
Emergency operation	Backup Batteries	Spring closing/manual manoeuvre

	VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA	VISTA SW 350 SXL PORTA BATTENTE CON MOLLA
Locking	Solenoid Lock	Solenoid Lock
Impact reaction	Electronic torque limiter	Electronic torque limiter
Use cycle	Continuous	Continuous
Protection rating	IP40	IP40
Environmental conditions	-10 ÷ 50 °C	-10 ÷ 50 °C
Certification	---	fire rated UNI EN 1154


Code	Name	Description
P960578 00002	VISTA SW 350 MXL PORTA BATTENTE SENZA MOLLA	Operator for swing doors with motor opening and closing. Gate panel with maximum weight 350 kg. Maximum width 587 mm. Ideal for "fail safe" installations (battery management) Ideal for "fail safe" installations (management with batteries)
P960577 00002	VISTA SW 350 SXL PORTA BATTENTE CON MOLLA	Operator for swing doors with motor and return spring. Door panel with maximum weight of 350 kg, max. width 684 mm. Ideal for "low energy" installations (spring closure) and on fire doors. Ideal for "low energy" installations (spring closure) and on fire doors

VISTA SW 350

	D113789 - VISTA SEL SW		P111657 00003 - 4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/900
	Function selector Vista SW		Monitored IR safety sensor for side-hung leaves, 2 modules, 900 mm
	P111657 00002 - 4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/700		P111657 00001 - 4SAFE IR SAFETY SENSOR MONIT. SW/1MOD/700
	Monitored IR safety sensor for side-hung leaves, 2 modules, 700 mm		Monitored IR safety sensor for side-hung leaves, 1 module, 700 mm
	P111656 - VIO-ST		P111756 - OA-EDGE T 340 1M
	Infrared safety sensor, monitored		Active infrared sensor for security L 340 mm with 1 module with safety test
	P111757 - OA-EDGE T 700 1M		P111758 - OA-EDGE T 1200 2M
	Active infrared sensor for security L 700 mm with 1 module with safety test		Active infrared sensor for security L 1200 mm with 2 modules with safety test
	P111759 - OT 3		P111563 00001 - EXT ASW 350 XL 30
	Elbow-operated pushbutton, silver		Vista SW 260 XL arm connection, spacer
	P111563 00002 - EXT ASW 350 XL 50		P111563 00003 - EXT ASW 350 XL 70
	Arm connection L=50 mm Vista SW XL, spacer		Arm connection L=70 mm Vista SW XL, spacer
	P111563 00004 - EXT ASW 350 XL 90		P111564 - BBV SW 350 MXL
	Arm connection L=90 mm Vista SW XL, spacer		Emergency battery kit for Vista SW MXL, compatible with SXL with external installation
	P111565 - ASW 350 XL RIG		P111566 - ASW 350 XL ART
	Vista SW XL rigid pull arm. Jamb max dims.: 100 mm		Vista SW XL articulated push arm. Max jamb dims.: 150 mm



VISTA SW 350

	P111567 - ASW 350 XL ARTL	P111568 - TSWP 350 XL
	Vista SW XL long articulated push arm. Jamb dimens. 150 mm	Profiles Vista SW double, 1.5 m.

20mm thick profiles for fixed and movable wings


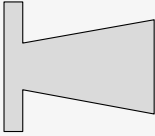
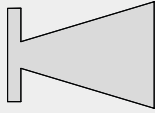

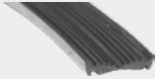

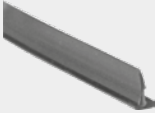


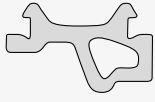
	Code	Name	Description
	P111630 00002	PRV 20.010	Upright L= 5.10m, 4pcs, 7.4Kg, Anodised.
	P111631 00002	PRV 20.020	Low upright L= 5.10m, 8pcs, 12Kg, Anodised.
	P111632 00002	PRV 20.030	Strip L= 5.10m, 5pcs, 20.4Kg, Anodised.
	P111633 00002	PRV 20.040	Crosspiece L= 5.10m, 4pcs, 19.3Kg, Anodised.
	P111635 00002	PRV 20.060	Fixed adapter L= 5.10m, 6pcs, 9.7Kg
	P111636 00002	PRV 20.070	"L" fixed L= 5.10m, 12pcs, 15.2Kg, Anodised.
	P111637 00002	PRV 20.080	Photocell holder L= 5.10m, 6pcs, 18Kg, Anodised.
	P111638 00002	PRV 20.090	Labyrinth L= 5.10m, 8pcs, 14.9Kg, Anodised.
	P111639 00002	PRV 20.100	Guide rail L= 5.10m, 6pcs, 8.9Kg, Anodised.

20mm thick profiles for fixed and movable wings

	P111690 00002	PRV 20.110		Strip L= 6.82m, 2pcs, 36.2Kg, Anodised.
	P111645	PRV 20.A16		Fixed wing accessories kit, 20pcs
	P111646	PRV 20.A17		Sliding wing accessories kit, 20pcs
	P111647	PRV 20.A18		Floor guide, 1pc
	P111648	PRV 20GD.19		Telescopic floor guide, 1pc
	P111649	PRV 20GD.20		Glass separation strip accessories kit, 20pcs
	P111650	PRV 20.A21		Plate for fixing strip in corridor, 1pc
	P111651	PRV 20.A22		Plate for fixing strip to wall, 1pc
	P111710	PRV 20.A23		Hex socket screw M5X16 8.8 500PCS, 500pcs
	P111711	PRV 20.A24		Hex socket countersunk flathead cap screw M5X12 10.9 100PCS, 100pcs



20mm thick profiles for fixed and movable wings

	P111642	PRV BR.13		Small brush 10mm, 20pcs
	P111620	PRV BR.26		Narrow soft brush, 175 m
	P111621	PRV BR.27		Wide soft brush, 450 m
	P111618	PRV BR.47		Small brush 14mm. L= 2.5m, 20 pcs
	P111623	PRV GK.02		Type 2 glass stop seal, 400 m
	P111624	PRV GK.03		Type 3 glass stop seal, 150 m
	P111625	PRV GK.06		Type 6 glass stop seal, 250 m
	P111626	PRV GK.07		Type 7 glass stop seal, 250 m
	P111712	PRV GK.09		Type 9 glass stop seal, 180m
	P111641	PRV GK.12		Profile rabbit seal, 75m

20mm thick profiles for fixed and movable wings

	P111643	PRV GK.14	Stopping seal, 100m
	P111644	PRV GK.15	Type A glass stop sea, 90m
	P111619	PRV GK.24	Semifixed wing rabbet seal, 250 m
	P111622	PRV GK.28	Sliding wing rabbet seal, 50 m

40mm thick profiles for fixed and movable wings

	Code	Name	Description
	P111600 00002	PRV 40.010	Sliding wing upright L= 5.1 m, 2pcs, 8.6Kg, Anodised.
	P111602 00002	PRV 40.030	Automation adapter L= 5.1 m, 4pcs, 13.5Kg
	P111603 00002	PRV 40.040	Fake upright on wall L= 5.1 m, 4pcs, 7.8Kg, Anodised.
	P111601 00002	PRV 40.020	Sliding wing bottom crosspiece L= 5.1, 4pcs, 26Kg, Anodised.
	P111604 00002	PRV 40.050	Airtight labyrinth L= 5.1 m, 4pcs, 12.7Kg, Anodised.



40mm thick profiles for fixed and movable wings




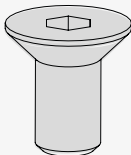
	P111605 00002	PRV 40.060		Fanlight closing piece L= 5.1 m, 8pcs, 15.7Kg, Anodised.
	P111606 00002	PRV 40.070		Cap for uprights. L= 5.1 m, 20pcs, 13.1Kg, Anodised.
	P111608 00002	PRV 40.090		Standard trim. L= 6.82 m, 4pcs, 23.1Kg, Anodised.
	P111609 00002	PRV 40.110		Sliding wing guide. L= 5.1 m, 12pcs, 19.3Kg
	P111611 00002	PRV 40.130		Profile for fanlight. L= 6.82, 2pcs, 30.6Kg, Anodised.
	P111691 00002	PRV 40.170		"U" profile 30x45x30x2, 4pcs, 14.7Kg, Anodised.
	P111612 00002	PRV 40.140		Small vert glass stop L= 6.5 m, 8pcs, 14.2Kg, Anodised.
	P111613 00002	PRV 40.150		Med vert glass stop L= 6.5 m, 8pcs, 13.8Kg, Anodised.
	P111614 00002	PRV 40.160		Large vert glass stop L= 6.5 m, 8pcs, 14.8Kg, Anodised.
	P111615 00002	PRV 40.310		Small horiz glass stop L= 6.5 m, 8pcs, 14.2Kg, Anodised.

40mm thick profiles for fixed and movable wings

	P111616 00002	PRV 40.320		Med horiz glass stop L= 6.5 m, 8pcs, 13.8Kg, Anodised.
	P111617 00002	PRV 40.330		Large horiz glass stop L= 6.5 m, 8pcs, 14.8Kg, Anodised.
	P111627	PRV 40GD.70		Low friction floor guide, 1pc
	P111628	PRV 40GD.78		Low friction floor guide for telesc wing, 1pc
	P111696	PRV 40.A39		Profile rectangular insert, 8pcs
	P111697	PRV 40.A40		Carr/profile hex insert, 40pcs
	P111698	PRV 40.A38		Frame spacer exten. 2.5mm, 200pcs
	P111699	PRV 40.A49		Universal coupling, 100pcs
	P111700	PRV 40.A50		Upright add. external bracket, 40pcs
	P111701	PRV 40.A52		Trim add. external bracket, 40pcs



40mm thick profiles for fixed and movable wings

	P111702	PRV 40.A55		Frame aligning spacer 12mm, 80pcs
	P111703	PRV 40.A72		45° joint aligning bracket, 200pcs
	P111704	PRV 40.A73		Glass ass. spacer kit 30pcs, 100pcs
	P111705	PRV 40.A75		Prof carriage fixing screw M8x16hex, 200pcs
	P111706	PRV 40.A76		Screw for fixing prof to crosspiece M6x8 panhead, 500pcs
	P111707	PRV 40.A77		90° prof ass. screw Self-thr 4.8x32, 500pcs
	P111708	PRV 40.A79		Guide/labyr. fixing screw 2.9x19, 200pcs
	P111709	PRV 40.A80		Hex socket countersunk flathead cap screw M6X12 ZN+ES 100PCS, 100pcs

Accessories



Code	Name	
P111159 00076	PPA 12 123	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 123
P111159 00029	PPA 10 225	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 225
P111159 00030	PPA 10 227	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 227
P111159 00031	PPA 10 229	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 229
P111159 00066	PPA 12 110	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 110
P111159 00067	PPA 12 111	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 111
P111159 00068	PPA 12 112	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 112
P111159 00069	PPA 12 113	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 113
P111159 00071	PPA 12 115	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 115
P111159 00074	PPA 12 119	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 119
P111159 00028	PPA 10 223	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 223
P111159 00081	PPA 12 211	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 211
P111159 00083	PPA 12 213	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 213
P111159 00085	PPA 12 215	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 215
P111159 00087	PPA 12 217	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 217
P111159 00088	PPA 12 219	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 219
P111159 00089	PPA 12 221	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 221
P111159 00090	PPA 12 223	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 223
P111159 00091	PPA 12 225	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 225
P111159 00093	PPA 12 229	Clamp for supporting all-glass doors, thickness 12 mm, for VISTA 229
P111159 00016	PPA 10 208	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 208
P111159 00003	PPA 10 109	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 109
P111159 00004	PPA 10 110	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 110
P111159 00005	PPA 10 111	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 111
P111159 00006	PPA 10 112	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 112
P111159 00007	PPA 10 113	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 113
P111159 00008	PPA 10 114	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 114
P111159 00009	PPA 10 115	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 115
P111159 00010	PPA 10 116	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 116
P111159 00013	PPA 10 121	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 121
P111159 00002	PPA 10 108	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 108
P111159 00019	PPA 10 211	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 211
P111159 00020	PPA 10 212	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 212
P111159 00021	PPA 10 213	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 213
P111159 00022	PPA 10 214	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 214
P111159 00023	PPA 10 215	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 215
P111159 00024	PPA 10 216	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 216
P111159 00025	PPA 10 217	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 217
P111159 00026	PPA 10 219	Clamp for supporting all-glass doors, thickness 10 mm, for VISTA 219



Automatic barriers - road barriers

Guide to choosing

Clear opening	Motor power supply	Frequency of use	Kit	Operator	Plus	
ROAD BARRIERS						
from 2 to 6 m	120 V	Continuous	-	MAXIMA ULTRA 36 120V		
			-	MAXIMA ULTRA 36 120V RAL		
			-	MAXIMA ULTRA 36 120V INOX		
			-	MAXIMA ULTRA 36 XL 120V		
			-	MAXIMA ULTRA 36 XL RAL 120V		
	230 V		-	MAXIMA ULTRA 36 XL INOX 120V		
			-	MAXIMA ULTRA 36 230V		
			-	MAXIMA ULTRA 36 230V RAL		
			-	MAXIMA ULTRA 36 INOX 230V		
			-	MAXIMA ULTRA 36 XL 230V		
from 4 to 8 m		very intensive	-	MAXIMA ULTRA 36 XL RAL 230V		
			-	MAXIMA ULTRA 36 XL INOX 230V		
			-	MAXIMA ULTRA 68 SM	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
			-	MAXIMA ULTRA 68 SM - RAL	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
from 4 to 8 m		very intensive	-	MAXIMA ULTRA 68 SM + ASS MOLLA	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
			-	MAXIMA ULTRA 68 SM + ASS MOLLA RAL	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	

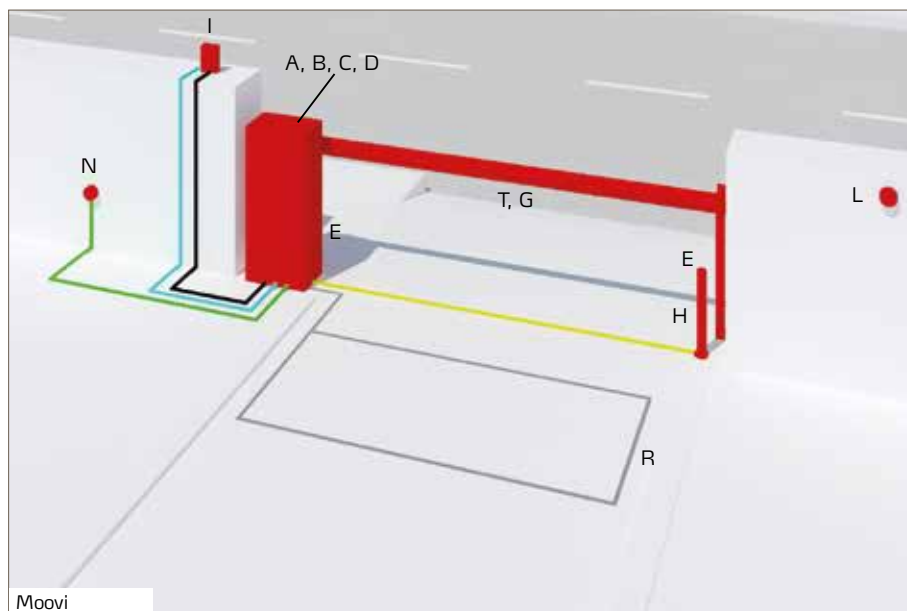







Clear opening	Motor power supply	Frequency of use	Kit	Operator	Plus	
from 1.7 to 5 m	120 V	Continuous	-	MAXIMA ULTRA 35 SM 115V NPB NO MOLLA	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
			-	MAXIMA ULTRA 35 SM 115V NPB NO MOLLA RAL	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
	230 V		-	MAXIMA ULTRA 35 SM	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
			-	MAXIMA ULTRA 35 SM - RAL	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
			-	MAXIMA ULTRA 35 SM + ASS MOLLA	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
			-	MAXIMA ULTRA 35 SM + ASS MOLLA RAL	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
			-	MAXIMA ULTRA 35 SM ST. STEEL (INOX)	U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
	from 1.7 to 3 m		very intensive	-	MAXIMA 30	Fast barrier
				-	MAXIMA 30 - RAL	Fast barrier
	from 4 to 6.4 m		intensive	-	MAXIMA 60	Intensive barrier
				-	MAXIMA 60 - RAL	Intensive barrier
-	MAXIMA 80	Wide useful passage				
-	MAXIMA 80 - RAL	Wide useful passage				
from 6.5 to 8 m		-		GIOTTO BT A 30 U 230V50	New U-Link control unit with display and receiver in head	
		-	GIOTTO BT A 30 U 230V50 RAL PERS	New U-Link control unit with display and receiver in head		
3 m	24 V	very intensive	-	GIOTTO BT A 30S U 230V50	New U-Link control unit with display and receiver in head	
			-	GIOTTO BT A 30S U 230V50 RAL PERS	New U-Link control unit with display and receiver in head	
			-	GIOTTO BT A 30S U 120V60	New U-Link control unit with display and receiver in head	
			-	GIOTTO BT A 30S U 120V60 RAL PERS	New U-Link control unit with display and receiver in head	
			-	MOOVI 30	Control unit with display and built-in receiver	
	230 V	Semi intensive	-	MOOVI 30 RAL	Control unit with display and built-in receiver	
			-	MOOVI 30 RMM	Control unit with display and built-in receiver	
			-	MOOVI 30 RMM RAL	Control unit with display and built-in receiver	
			-	MOOVI 30 RMM INOX	Control unit with display and built-in receiver	
			-	MOOVI 30S	Rapid barrier	
			-	MOOVI 30S RAL	Rapid barrier	
			-	MOOVI 30S INOX	Rapid barrier	
			-	MICHELANGELO BT A 60 U		
			-	MICHELANGELO BT A 60 U RAL		
			-	MICHELANGELO BT A 60 U 120		
6 m	24 V	intensive	-	MICHELANGELO BT A 60 U 120 RAL		
			-	GIOTTO BT A 60 U 230V50	New U-Link control unit with display and receiver in head	
			-	GIOTTO BT A 60 U 230V50 RAL PERS	New U-Link control unit with display and receiver in head	
			-	GIOTTO BT A 60S U 230V50	New U-Link control unit with display and receiver in head	
			-	GIOTTO BT A 60S U 230V50 RAL PERS	New U-Link control unit with display and receiver in head	
			-	GIOTTO BT A 60S U 120V60	New U-Link control unit with display and receiver in head	
		very intensive	-	GIOTTO BT A 60S U 120V60 RAL PERS	New U-Link control unit with display and receiver in head	
			-	MOOVI 60	Control unit with display and built-in receiver	
			-	MOOVI 60 RAL	Control unit with display and built-in receiver	
			-	MOOVI 60 RMM	Control unit with display and built-in receiver	
	230 V	Semi intensive	-	MOOVI 60 RMM RAL	Control unit with display and built-in receiver	
			-	MOOVI 60RMM INOX	Control unit with display and built-in receiver	



Clear opening	Motor power supply	Frequency of use	Kit	Operator	Plus
8 m	24 V	intensive	-	MICHELANGELO BT A 80 U	
			-	MICHELANGELO BT A 80 U RAL	
			-	MICHELANGELO BT A 80 U 120	
			-	MICHELANGELO BT A 80 U 120 RAL	

Installation guide



A	Operator
B	Control unit
C	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Flashing Beacon
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
R	Magnetic loop detector
T	Boom
	2x1.5
	3x1.5
	RG 58
	2x1
	13x1




 U-Link


 Quick Delivery

 New

 Phase-out



U-Control app
p. 17

	accessories for control units	P. 278	signalling devices	P. 283
	set of batteries for control units	P. 278	safety devices - photocells and accessories	P. 283
	expansion boards	P. 279	safety devices - sensitive edges	P. 285
	software	P. 280	rubber profiles	P. 285
	receivers	P. 280	solenoid locks	P. 286
	transmitters	P. 281	release systems	P. 287
control devices		P. 281		



U-Link



rolling code



Silentech



inverter



Oil Gear



Block

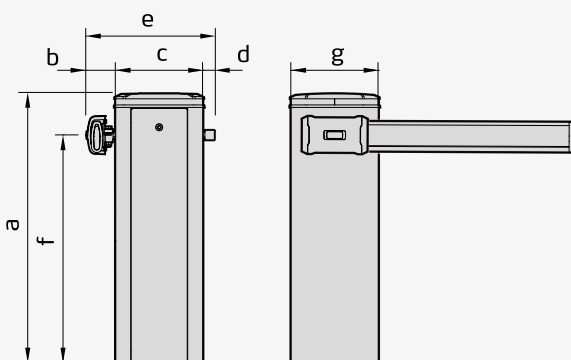


Encoder



Range of professional electromechanical barriers with inverter and asynchronous three-phase motor for frequent use. Suitable for controlling gates between 2 and 6 metres in width, with fully accessorised bar in a single model. Cap with RGB lights (optional) to serve as traffic light, indicate availability of parking places and for self-diagnosis.

Dimension (mm)



a	b	c	d	e	f	g
1030	110	338	45	493	870	338

Technical features

	MAXIMA ULTRA 36 230V	MAXIMA ULTRA 36 230V RAL	MAXIMA ULTRA 36 INOX 230V	MAXIMA ULTRA 36 XL 230V	MAXIMA ULTRA 36 XL RAL 230V	MAXIMA ULTRA 36 XL INOX 230V
Opening or closing time	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s
Control unit	CSB-Xt	CSB-Xt	CSB-Xt	CSB-Xt	CSB-Xt	CSB-Xt
Frequency of use	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Clear opening	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Gear unit type	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath
Inverter	Yes	Yes	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Impact reaction	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure
MCBF (Mean Cycles Between Failures)	7000000 Op	7000000 Op	7000000 Op	7000000 Op	7000000 Op	7000000 Op
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP55	IP55	IP55	IP55	IP55	IP55

	MAXIMA ULTRA 36 120V	MAXIMA ULTRA 36 120V RAL	MAXIMA ULTRA 36 120V INOX	MAXIMA ULTRA 36 XL 120V	MAXIMA ULTRA 36 XL RAL 120V	MAXIMA ULTRA 36 XL INOX 120V
Opening or closing time	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s	from 0.7 to 3.9 s
Control unit	CSB-XT	CSB-XT	CSB-XT	CSB-XT	CSB-XT	CSB-XT
Frequency of use	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
Clear opening	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m	from 2 to 6 m
Motor type	Three-phase asynchronous In oil bath	Three-phase asynchronous In oil bath	Three-phase asynchronous In oil bath	Three-phase asynchronous In oil bath	Three-phase asynchronous In oil bath	Three-phase asynchronous In oil bath
Gear unit type	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath
Inverter	Yes	Yes	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Impact reaction	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure
MCBF (Mean Cycles Between Failures)	7000000 Op	7000000 Op	7000000 Op	7000000 Op	7000000 Op	7000000 Op
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C
Protection rating	IP55	IP55	IP55	IP55	IP55	IP55

Code	Name	Description
P940093 00002	MAXIMA ULTRA 36 230V	RAL 7015 barrier, including standard spring, 230V. Cap excluded
P940093 00102	MAXIMA ULTRA 36 230V RAL	RAL custom barrier, including standard spring, 230V. Cap excluded
P940093 00202	MAXIMA ULTRA 36 INOX 230V	Stainless steel barrier, including standard spring, 230V. Cap excluded
P940094 00002	MAXIMA ULTRA 36 XL 230V	RAL 7015 barrier, including strong spring, 230V. Cap excluded
P940094 00102	MAXIMA ULTRA 36 XL RAL 230V	RAL custom barrier, including strong spring, 230V. Cap excluded
P940094 00202	MAXIMA ULTRA 36 XL INOX 230V	Stainless steel barrier, including strong spring, 230V. Cap excluded
P940093 00001	MAXIMA ULTRA 36 120V	RAL 7015 barrier body, includes standard spring, 120 V. Excludes cap
P940093 00101	MAXIMA ULTRA 36 120V RAL	Custom RAL barrier body, includes standard spring, 120 V. Excludes cap
P940093 00201	MAXIMA ULTRA 36 120V INOX	Stainless steel barrier body, includes standard spring, 120 V. Excludes cap
P940094 00001	MAXIMA ULTRA 36 XL 120V	RAL 7015 barrier body, includes strong spring, 120 V. Excludes cap
P940094 00101	MAXIMA ULTRA 36 XL RAL 120V	Custom RAL barrier body, includes strong spring, 120 V. Excludes cap
P940094 00201	MAXIMA ULTRA 36 XL INOX 120V	Stainless steel barrier body, includes strong spring, 120 V. Excludes cap

CSB XT: 24V single operator control unit for barriers

CSB XT - Built in



- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards with new colour standard, simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

RECOMMENDED ACCESSORIES

	P940095 00000 - Crown MAXIMA U36		P940095 00003 - Crown RGB MAXIMA U36
	Cap without lights for Maxima Ultra 36.		Cap with RGB lights for Maxima Ultra 36. Functions: flashing, traffic light, diagnostics.







RECOMMENDED ACCESSORIES

	P940095 00200 - Crown MAXIMA U36 INOX Cap without lights for Maxima Ultra 36 INOX.		P940095 00203 - Crown RGB MAXIMA U36 INOX Cap with RGB lights for Maxima Ultra 36 Stainless Steel. Functions: flashing, traffic light, diagnostics.
	P940095 00100 - Crown MAXIMA U36 RAL Cap without lights for Maxima Ultra 36. Custom RAL.		P940095 00103 - Crown RGB MAXIMA U36 RAL Cap with RGB lights for Maxima Ultra 36. Custom RAL. Functions: flashing, traffic light, diagnostics.
	P120088 - DIMA PRO36 Foundation template and clamps for installation of Maxima Ultra 36 barriers.		P120087 00001 - BOOM PS30 Aluminium bar, opening L = 3 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.
	P120087 00002 - BOOM PS40 Aluminium bar, opening L = 4 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.		P120087 00003 - BOOM PS50 Aluminium bar, opening L = 5 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.
	P120087 00004 - BOOM PS60 Aluminium bar, opening L = 6 m with red reflectors. Includes rubber and upper optical diffuser. Lights excluded.		P120084 00000 - OMEGA PS MAXIMA U36 Single lock for protective finger trapping casing and screws for MAXIMA ULTRA 36. BOOM PS bar excluded.
	P120094 00000 - OMEGA FRA PS MAXIMA U36 Resettable impact protection connector (manual) for Maxima Ultra 36 barrier. BOOM PS bar excluded.		P120075 - ALLU 2 MAXIMA ULTRA Power supply for ATM LIGHT Kit on Maxima Ultra
	P120091 - HYPHEN PS Internal reinforcement/joint for BOOM PS booms. Already included in the Maxima Ultra 36 XL barriers but recommended for barriers L >= 5 m with or without accessories.		P120085 - BTM-SKIRT Lower skirt for BOOM PS booms. Module length L = 2 m.
	P120086 - FULL-SKIRT Full skirt (top and bottom) for BOOM PS booms. Module length L = 2 m. Does not include SKIRT BRACKET required for anchoring the first module to the barrier body.		P120095 - BRACKET SKIRT Connection bracket between barrier body and simple (BTM SKIRT) or double (FULL SKIRT) aluminium rack.
	P120093 - ADJ-FOOT Suspended cushioned telescopic supporting foot for BOOM PS booms.		P120092 - KIT ART90 PS Kit for 90° articulated bar. Excludes bar, bar connector, LIGHT PS lighting. Compatible with BOOM PS booms.
	P120092 00001 - ART90 BOOM PS30 Boom bar PS 90° articulated L = 5 m pre-fitted. Excludes LIGHT PS lighting.		P120092 00002 - ART90 BOOM PS30 R/G Boom bar PS L = 5 m 90° articulated including bar and LIGHT PS lighting pre-fitted.
	P120092 00003 - ART90 BOOM PS50 Boom bar PS 90° articulated L = 5 m pre-fitted. Excludes LIGHT PS lighting.		P120092 00004 - ART90 BOOM PS50 R/G Boom bar PS L = 5 m 90° articulated including bar and LIGHT PS lighting pre-fitted.



RECOMMENDED ACCESSORIES


	P120080 - FAF UNI R Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.		P120079 - EBB KIT ATML Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.
	new P120089 10004 - LIGHT PS 60-B High intensity LED lighting kit, red-green, to be fitted on BOOM PS bar up to 6 metres long. Power supply unit excluded.		new P120089 10001 - LIGHT PS 30-B High intensity LED lighting kit, red-green, to be fitted on BOOM PS bar up to 3 metres long. Power supply unit excluded.
	new P120089 10002 - LIGHT PS 40-B High intensity LED lighting kit, red-green, to be fitted on BOOM PS bar up to 4 metres long. Power supply unit excluded.		new P120089 10003 - LIGHT PS 50-B High intensity LED lighting kit, red-green, to be fitted on BOOM PS bar up to 5 metres long. Power supply unit excluded.

 U-Link

 Quick Delivery

 New

 Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

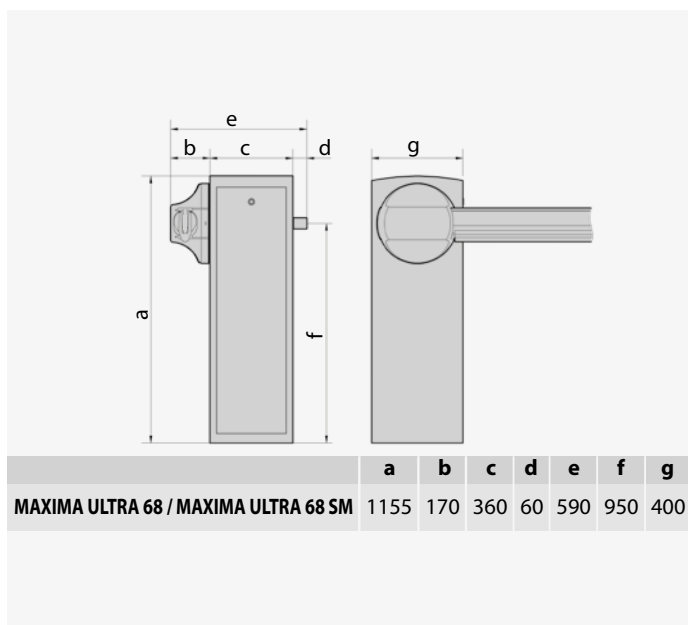
P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



Range of professional 230 Vac electromechanical barriers with speed variator and three-phase induction motor for high frequency of use. Designed and developed to operate in a wide variety of conditions such as large car parks, motorway tollgates with frequent reversing, industrial installations.

Possibility of setting the useful passage from electronic control unit. Mechanical movement with crank to make the bar operate smoothly, also managing slowdowns in opening and closing. Equipped with U-Link protocol, they allow integration in Parking Management or Building Management systems

Dimension (mm)



Technical features

	MAXIMA ULTRA 68 SM	MAXIMA ULTRA 68 SM - RAL	MAXIMA ULTRA 68 SM + ASS MOLLA	MAXIMA ULTRA 68 SM + ASS MOLLA RAL
Clear opening	from 4 to 8 m	from 4 to 8 m	from 4 to 8 m	from 4 to 8 m
Control unit	CSB-XT	CSB-XT	CSB-XT	CSB-XT
Motor power supply	230 V	230 V	230 V	230 V
Power consumption	300 W	300 W	300 W	300 W
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Gear unit type	In oil bath	In oil bath	In oil bath	In oil bath
Inverter	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Impact reaction	Encoder	Encoder	Encoder	Encoder
Frequency of use	very intensive	very intensive	very intensive	very intensive
MCBF (Mean Cycles Between Failures)	2000000 Op	2000000 Op	2000000 Op	2000000 Op
Protection rating	IP54	IP54	IP54	IP54
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C

Code	Name	Description	
P940074 00002	MAXIMA ULTRA 68 SM	230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 4 to 8 m. Opening time from 4.5 to 6 s with Yes deceleration. Maximum barrier length: 8 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. Colour RAL 7015. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	U-Link
P940074 00102	MAXIMA ULTRA 68 SM - RAL	230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 4 to 8 m. Opening time from 4.5 to 6 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. RAL colour to order U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	U-Link
P940083	MAXIMA ULTRA 68 SM + ASS MOLLA	230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 4 to 8 m. Opening time from 4.5 to 6 s with Yes deceleration. Maximum barrier length: 8 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. Colour RAL 7015. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	U-Link
P940074 00109	MAXIMA ULTRA 68 SM + ASS MOLLA RAL	230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 4 to 8 m. Opening time from 4.5 to 6 s with Yes deceleration. Maximum barrier length: 8 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. RAL colour to order U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	U-Link

CSB XT: 24V single operator control unit for barriers

CSB XT - Built in






















- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards with the new colour standard, simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

RECOMMENDED ACCESSORIES

	P120077 00001 - KIT ATM LIGHT 3 R/G 2W Red-green LED lights kit for fitting on ATM bars up to 3m.		P120077 00002 - KIT ATM LIGHT 5 R/G 2W Red-green LED lights kit for fitting on ATM bars up to 5m.
	P120077 00003 - KIT ATM LIGHT 8 R/G 2W Red-green LED lights kit for fitting on ATML bars up to 8 m.		P120059 - MLC7.5 White spring - MAXIMA Ultra 68. Ref. spring table
	P120060 - MLC9 Yellow spring - Maxima Ultra 68. Ref. spring table		P120061 - MLC9.5 Violet spring - Maxima Ultra 68. Ref. spring table
	P120081 - MLC11 Violet spring - Maxima Ultra 68. Ref. spring table		P120093 - ADJ-FOOT Suspended cushioned telescopic supporting foot for BOOM PS booms.



RECOMMENDED ACCESSORIES

	P120041 - ATML60 Aluminium bar L = 6 m Ø92 mm. Lights and rubber not included. Completely protected by new polystyrene packaging.		P120042 - ATML EXT2 Extension L=2m for bar model ATML 60. Lights and rubber not included.
	P120078 - IS ATML Internal reinforcement for ATML rods		P120046 00001 - OMEGA ATML U Single clamping, hand guard and screws for ATML bar on MAXIMA 68 ULTRA. Bar not included.
	P120047 00001 - OMEGA FRC ATML U Fork clamping for ATML bar on barrier model. MAXIMA 68 ULTRA. Bar not included.		P120053 00001 - PCA ATM 3 Rubber protection (red) for fitting on bar L = 3 m max.
	P120053 00002 - PCA ATM 5 Rubber protection (red) for fitting on bar L = 5 m max.		P120053 00003 - PCA ATM 8 Protection rubber (black) for fitting on bars from L = 6÷8 m.
	P120075 - ALLU 2 MAXIMA ULTRA Power supply for ATM LIGHT Kit on Maxima Ultra		P120077 00001 - KIT ATM LIGHT 3 R/G 2W Red-green LED lights kit for fitting on ATM bars up to 3m.
	P120077 00002 - KIT ATM LIGHT 5 R/G 2W Red-green LED lights kit for fitting on ATM bars up to 5m.		P120077 00003 - KIT ATM LIGHT 8 R/G 2W Red-green LED lights kit for fitting on ATML bars up to 8 m.
	P120076 - TP MAXIMA ULTRA Thermal probe for Maxima Ultra barriers		P120079 - EBB KIT ATML Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.
	P120080 - FAF UNI R Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.		P120050 - GA ATM Adjustable suspended foot, powder coated cataphoresis treated.
	P120049 - RST ATM Aluminium rack. Price for 3 metres. Suspended foot not included. Compatible with ATML and ATM model bars.		P120032 - SRV DIN Standard DIN rail for interfacing barrier with parking system, configured and prewired with thermal magnetic switch, additional supply terminals, socket for metal mass detector and standard input/output terminal block
	P120035 - FCS MU68 2 additional limit switches for Maxima Ultra 6 - 8 m		




 U-Link


 Quick Delivery

 New

 Phase-out



U-Control app
p. 17

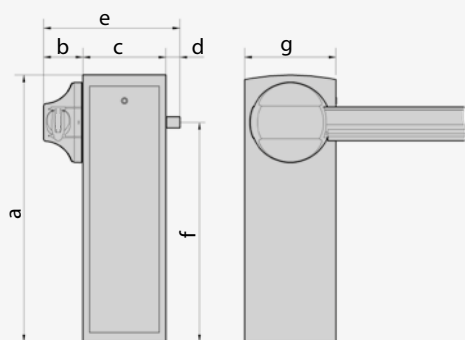
	accessories for control units	P. 278	signalling devices	P. 283
	set of batteries for control units	P. 278	safety devices - photocells and accessories	P. 283
	expansion boards	P. 279	safety devices - sensitive edges	P. 285
	software	P. 280	rubber profiles	P. 285
	receivers	P. 280	solenoid locks	P. 286
	transmitters	P. 281	release systems	P. 287
control devices		P. 281		



Range of professional 230 Vac electromechanical barriers with speed variator and three-phase induction motor for high frequency of use. Designed and developed to operate in a wide variety of conditions such as large car parks, motorway tollgates with frequent reversing, industrial installations.

Possibility of setting the useful passage from electronic control unit. Mechanical movement with crank to make the bar operate smoothly, also managing slowdowns in opening and closing. Equipped with U-Link protocol, they allow integration in Parking Management or Building Management systems

Dimension (mm)



	a	b	c	d	e	f	g
MAXIMA ULTRA 35	1110	120	320	40	480	950	280

Technical features

	MAXIMA ULTRA 35 SM	MAXIMA ULTRA 35 SM - RAL	MAXIMA ULTRA 35 SM + ASS MOLLA	MAXIMA ULTRA 35 SM + ASS MOLLA RAL	MAXIMA ULTRA 35 SM 115V NPB NO MOLLA	MAXIMA ULTRA 35 SM 115V NPB NO MOLLA RAL
Clear opening	from 1.7 to 5 m	from 1.7 to 5 m	from 1.7 to 5 m	from 1.7 to 5 m	from 1.7 to 5 m	from 1.7 to 5 m
Control unit	CSB-XT	CSB-XT	CSB-XT	CSB-XT	CSB-XT	CSB-XT
Motor power supply	230 V	230 V	230 V	230 V	120 V	120 V
Power consumption	300 W	300 W	300 W	300 W	300 W	300 W
Motor type	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous	Three-phase asynchronous
Gear unit type	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath
Inverter	Yes	Yes	Yes	Yes	Yes	Yes
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Impact reaction	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder
Frequency of use	Continuous	Continuous	Continuous	Continuous	Continuous	Continuous
MCBF (Mean Cycles Between Failures)	5000000 Op	5000000 Op	5000000 Op	5000000 Op	5000000 Op	5000000 Op
Protection rating	IP54	IP54	IP54	IP54	IP54	IP54
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C



	MAXIMA ULTRA 35 SM ST. STEEL (INOX)
Clear opening	from 1.7 to 5 m
Control unit	CSB-XT
Motor power supply	230 V
Power consumption	300 W
Motor type	Three-phase asynchronous
Gear unit type	In oil bath
Inverter	Yes
Slowdown	Yes
Locking	Mechanical
Release	Inside the structure
Impact reaction	Encoder
Frequency of use	Continuous
MCBF (Mean Cycles Between Failures)	5000000 Op
Protection rating	IP54
Environmental conditions	-30 ÷ 60 °C

Code	Name		Description	
P940073 00002	MAXIMA ULTRA 35 SM		230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 1.7 to 5 m. Opening time from 0.7 to 3 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. Colour RAL 7015. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
P940073 00102	MAXIMA ULTRA 35 SM - RAL		230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 1.7 to 5 m. Opening time from 0.7 to 3 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. RAL colour to order. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
P940082	MAXIMA ULTRA 35 SM + ASS MOLLA		230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 1.7 to 5 m. Opening time from 0.7 to 3 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. Excludes barrier and barrier clamp. Includes installation template. Colour RAL 7015. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
P940073 00109	MAXIMA ULTRA 35 SM + ASS MOLLA RAL		230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 1.7 to 5 m. Opening time from 0.7 to 3 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Includes fitting of springs and balancing. Excludes barrier and barrier clamp. Includes installation template. RAL colour to order. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
P940073 00008	MAXIMA ULTRA 35 SM 115V NPB NO MOLLA		120 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 1.7 to 5 m. Opening time from 0.7 to 3 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. Colour RAL 7015. U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	
P940073 00108	MAXIMA ULTRA 35 SM 115V NPB NO MOLLA RAL		120 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 1.7 to 5 m. Opening time from 0.7 to 3 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. RAL colour to order U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	



Code	Name		Description	
P940073 00007	MAXIMA ULTRA 35 SM ST. STEEL (INOX)	Ph. Out	230 V Electromechanical barrier with asynchronous three-phase motor and inverter, for from 1.7 to 5 m. Opening time from 0.7 to 3 s with Yes deceleration. Maximum barrier length: 5 m. Suitable for installation in areas with high frequency of movement and frequent inversion of barrier movement (e.g. motorway toll booths, car parks with high traffic flows, etc.). Version without spring. AISI 304 stainless steel casing U-Link embedded Three-phase motor with inverter Crank-connecting rod anti-vandalism system Gearmotor in oil bath	U-Link

CSB XT: 24V single operator control unit for barriers

CSB XT - Built in



- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards with the new colour standard, simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

RECOMMENDED ACCESSORIES

	P120077 00001 - KIT ATM LIGHT 3 R/G 2W		P120077 00002 - KIT ATM LIGHT 5 R/G 2W
	Red-green LED lights kit for fitting on ATM bars up to 3m.		Red-green LED lights kit for fitting on ATM bars up to 5m.
	Ph. Out P120056 - MLR2.5		Ph. Out P120057 - MLB3
	Red spring - MAXIMA Ultra 35 Ref. spring table		Blue spring - MAXIMA Ultra 35 Ref. spring table
	Ph. Out P120058 - MLV5		P120093 - ADJ-FOOT
	Green spring - MAXIMA Ultra 35 Ref. spring table		Suspended cushioned telescopic supporting foot for BOOM PS booms.
	Ph. Out P120062 00001 - OMEGA ATM U35		Ph. Out P120071 - OMEGA ATM FRA U35
	Single clamping for ATM bar for MAXIMA ULTRA 35. Bar not included.		Single clamping for ATM bar for Maxima Ultra 35
	P120109 00001 - ATM30 90°		P120109 00002 - ATM50 90°
	Articulated barrier with 3 m rise, 90° opening. Does not include lights and rubber.		Articulated barrier with 5 m rise, 90° opening. Does not include lights and rubber.
	Ph. Out P120110 00001 - ATM30 180°		Ph. Out P120110 00002 - ATM50 180°
	Articulated barrier with 3 m rise, 180° opening. Does not include lights and rubber.		5 m articulated bar fitted, 180° opening. Lights and rubber not included.
	Ph. Out P120063 00001 - ATM30 180° RG		Ph. Out P120064 00001 - ATM50 180° RG
	Articulated bar 180° 3 m with lights R/G		Articulated bar 180° 5 m with lights R/G

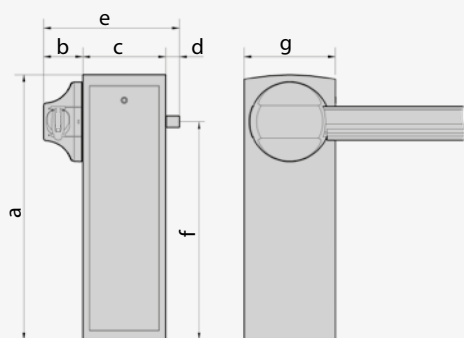
RECOMMENDED ACCESSORIES

	P120053 00001 - PCA ATM 3 Rubber protection (red) for fitting on bar L = 3 m max.		P120053 00002 - PCA ATM 5 Rubber protection (red) for fitting on bar L = 5 m max.
	P120053 00003 - PCA ATM 8 Protection rubber (black) for fitting on bars from L = 6÷8 m.		P120075 - ALLU 2 MAXIMA ULTRA Power supply for ATM LIGHT Kit on Maxima Ultra
	P120076 - TP MAXIMA ULTRA Thermal probe for Maxima Ultra barriers		P120079 - EBB KIT ATML Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.
	P120080 - FAF UNI R Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.		P120050 - GA ATM Adjustable suspended foot, powder coated cataphoresis treated.
	P120049 - RST ATM Aluminium rack. Price for 3 metres. Suspended foot not included. Compatible with ATML and ATM model bars.		P120032 - SRV DIN Standard DIN rail for interfacing barrier with parking system, configured and prewired with thermal magnetic switch, additional supply terminals, socket for metal mass detector and standard input/output terminal block
	P120033 - FCS MAXIMA 5 2 additional limit switches for MAXIMA 30/MAXIMA ULTRA 35		P120111 00001 - ATM25 Aluminium bar L=2.5 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.
	P120102 00002 - ATM30 Aluminium bar L=3 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.		P120102 00003 - ATM40 Aluminium bar L=4 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging
	P120102 00004 - ATM50 Aluminium bar L=5 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.		



Range of professional 230 Vac electro-mechanical barriers for frequent use, designed to work under a great variety of conditions including large car parks, motorway toll gates with frequent reversing, industrial installations. Mechanical movement with crank to make the bar operate smoothly and harmoniously, also managing slowdowns in opening and closing.

Dimension (mm)



	a	b	c	d	e	f	g
MAXIMA 30	1110	120	320	40	480	950	280
MAXIMA 60 / MAXIMA 80	1155	170	360	60	590	950	400

Technical features

	MAXIMA 30	MAXIMA 30 - RAL	MAXIMA 60	MAXIMA 60 - RAL	MAXIMA 80	MAXIMA 80 - RAL
Clear opening	from 1.7 to 3 m	from 1.7 to 3 m	from 4 to 6.4 m	from 4 to 6.4 m	from 6.5 to 8 m	from 6.5 to 8 m
Control unit	CSB-BR	CSB-BR	CSB-BR	CSB-BR	CSB-BR	CSB-BR
Motor power supply	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	300 W	300 W	300 W	300 W	300 W	300 W
Motor type	Single phase	Single phase	Single phase	Single phase	Single phase	Single phase
Gear unit type	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath	In oil bath
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure	Inside the structure
Impact reaction	Electronic magnetic reverser	Electronic magnetic reverser	Electronic magnetic reverser	Electronic magnetic reverser	Electronic magnetic reverser	Electronic magnetic reverser
Frequency of use	very intensive	very intensive	intensive	intensive	intensive	intensive
MCBF (Mean Cycles Between Failures)	5000000 Op	5000000 Op	2000000 Op	2000000 Op	2000000 Op	2000000 Op
Protection rating	IP54	IP54	IP54	IP54	IP54	IP54
Environmental conditions	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C	-30 ÷ 60 °C

Code	Name	Description
P940070	MAXIMA 30	230 V electromechanical barrier for from 1.7 to 3 m. Opening time 1.7 s with deceleration. Maximum barrier length: 3 m. Suitable for installation in areas with high frequency of movement and frequent changes of direction (e.g. car parks with high traffic flows, etc.). Colour RAL 7015 Fast barrier
P940070 00102	MAXIMA 30 - RAL	230 V electromechanical barrier for from 1.7 to 3 m. Opening time 1.7 s with deceleration. Maximum barrier length: 3 m. Suitable for installation in areas with high frequency of movement and frequent changes of direction (e.g. car parks with high traffic flows, etc.). RAL colour to order. Fast barrier
P940071	MAXIMA 60	230 V Industrial electromechanical barrier for from 4 to 6.4 m. Opening time 8 s with Yes deceleration. Maximum barrier length 6 m. Option to fit single or dual barrier bracket. Colour RAL 7015 Intensive barrier
P940071 00102	MAXIMA 60 - RAL	230 V Industrial electromechanical barrier for from 4 to 6.4 m. Opening time 8 s with Yes deceleration. Maximum barrier length 6 m. Option to fit single or dual barrier bracket. RAL colour to order Intensive barrier
P940072	MAXIMA 80	230 V Industrial electromechanical barrier for from 6.5 to 8 m. Opening time 9 s with Yes deceleration. Maximum barrier length 8 m. Option to fit single or dual barrier bracket. Colour RAL 7015 Wide useful passage
P940072 00102	MAXIMA 80 - RAL	230 V Industrial electromechanical barrier for from 6.5 to 8 m. Opening time 9 s with Yes deceleration. Maximum barrier length 6 m. Option to fit single or dual barrier bracket. RAL colour to order Wide useful passage

CSB: 24V single operator control unit for barriers

CSB - Built in









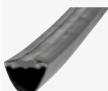







- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards with new colour standard, simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers

RECOMMENDED ACCESSORIES

<p>P120077 00003 - KIT ATM LIGHT 8 R/G 2W</p> <p>Red-green LED lights kit for fitting on ATML bars up to 8 m.</p>	<p>P120077 00002 - KIT ATM LIGHT 5 R/G 2W</p> <p>Red-green LED lights kit for fitting on ATM bars up to 5m.</p>
<p>P120077 00001 - KIT ATM LIGHT 3 R/G 2W</p> <p>Red-green LED lights kit for fitting on ATM bars up to 3m.</p>	<p>P120093 - ADJ-FOOT</p> <p>Suspended cushioned telescopic supporting foot for BOOM PS booms.</p>
<p>P120083 - ALLU2 Maxima</p> <p>Power supply for ATM LIGHT Kit on Maxima Ultra</p>	<p>P120041 - ATML60</p> <p>Aluminium bar L = 6 m Ø92 mm. Lights and rubber not included. Completely protected by new polystyrene packaging.</p>
<p>P120042 - ATML EXT2</p> <p>Extension L=2m for bar model ATML 60. Lights and rubber not included.</p>	<p>P120111 00001 - ATM25</p> <p>Aluminium bar L=2.5 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.</p>
<p>P120111 00002 - ATM30</p> <p>Aluminium bar L=3 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.</p>	<p>P120102 00002 - ATM30</p> <p>Aluminium bar L=3 m with drop-shaped profile and red reflectors. Lights and rubber protection not included. Completely protected by new polystyrene packaging.</p>
<p>P120078 - IS ATML</p> <p>Internal reinforcement for ATML rods</p>	<p>P120043 00001 - OMEGA AT</p> <p>Single lock, hand protection casing and screws for ATM barrier on Maxima 30. Barrier not included.</p>



RECOMMENDED ACCESSORIES

 <p>P120048 00001 - OMEGA ATM FRA</p> <p>Fracture system clamping for bar ATM</p>	 <p>P120044 00001 - OMEGA ATML</p> <p>Single clamping, hand guard and screws for ATML bar on MAXIMA 60/80. Bar not included.</p>
 <p>P120045 00001 - OMEGA FRC ATML</p> <p>New fork clamping for ATML bar on barrier model. MAXIMA 60/80. Bar not included.</p>	 <p>P120109 00001 - ATM30 90°</p> <p>Articulated barrier with 3 m rise, 90° opening. Does not include lights and rubber.</p>
 <p>P120053 00001 - PCA ATM 3</p> <p>Rubber protection (red) for fitting on bar L = 3 m max.</p>	 <p>P120053 00002 - PCA ATM 5</p> <p>Rubber protection (red) for fitting on bar L = 5 m max.</p>
 <p>P120053 00003 - PCA ATM 8</p> <p>Protection rubber (black) for fitting on bars from L = 6÷8 m.</p>	 <p>P120033 - FCS MAXIMA 5</p> <p>2 additional limit switches for MAXIMA 30/MAXIMA ULTRA 35</p>
 <p>P120034 - FCS MAXIMA 6-8</p> <p>2 additional limit switches for MAXIMA 60/80</p>	 <p>P120049 - RST ATM</p> <p>Aluminium rack. Price for 3 metres. Suspended foot not included. Compatible with ATML and ATM model bars.</p>
 <p>P120050 - GA ATM</p> <p>Adjustable suspended foot, powder coated cataphoresis treated.</p>	 <p>P120080 - FAF UNI R</p> <p>Universal adjustable fork for all rods; recommended with installation of FULL SKIRT accessory.</p>
 <p>P120079 - EBB KIT ATML</p> <p>Electric lock for ATML rods to be installed on an FAF UNI R adjustable fork.</p>	 <p>P120032 - SRV DIN</p> <p>Standard DIN rail for interfacing barrier with parking system, configured and prewired with thermal magnetic switch, additional supply terminals, socket for metal mass detector and standard input/output terminal block</p>

U-LinkQuick DeliveryNewPhase-outU-Control app
p. 17Accessories
p. 278

accessories for control units

set of batteries for control units

expansion boards

software

receivers

transmitters

control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



er ready



ee link



24 V



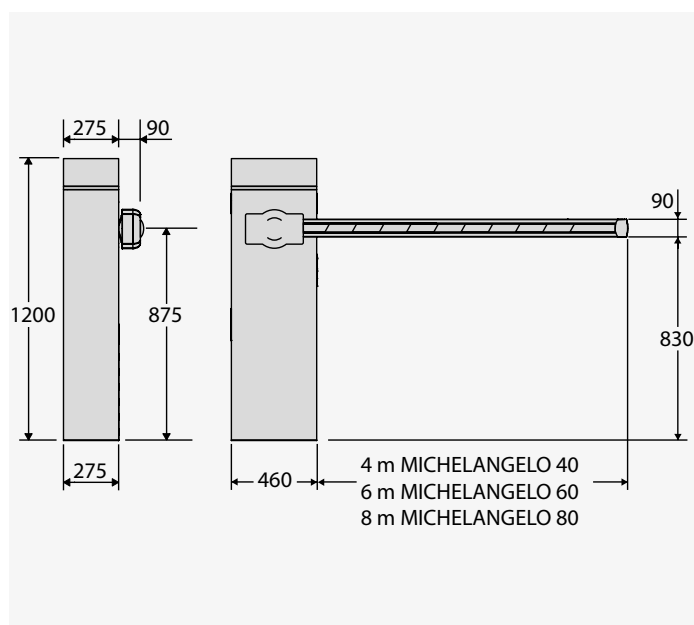
U-Link



Range of barriers for very intensive use, for clear openings of up to 8 metres.

The wide range of accessories, incorporated flashing light and the arrangement for photocells make them ideal in any context

Dimension (mm)



Technical features

	MICHELANGELO BT A 60 U	MICHELANGELO BT A 60 U RAL	MICHELANGELO BT A 60 U 120	MICHELANGELO BT A 60 U 120 RAL	MICHELANGELO BT A 80 U	MICHELANGELO BT A 80 U RAL
Clear opening	6 m	6 m	6 m	6 m	8 m	8 m
Control unit	MERAK BM	MERAK BM	MERAK BM	MERAK BM	MERAK BM	MERAK BM
Motor power supply	24 V	24 V	24 V	24 V	24 V	24 V
Power consumption	300 W	300 W	300 W	300 W	300 W	300 W
Type of limit switch	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Key	Key	Key	Key	Key	Key
Impact reaction	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder
Frequency of use	intensive	intensive	intensive	intensive	intensive	intensive
Protection rating	IP54	IP54	IP54	IP54	IP54	IP54
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C					



	MICHELANGELO BT A 80 U 120	MICHELANGELO BT A 80 U 120 RAL
Clear opening	8 m	8 m
Control unit	MERAK BM	MERAK BM
Motor power supply	24 V	24 V
Power consumption	300 W	300 W
Type of limit switch	Electronic	Electronic
Slowdown	Yes	Yes
Locking	Mechanical	Mechanical
Release	Key	Key
Impact reaction	Encoder	Encoder
Frequency of use	intensive	intensive
Protection rating	IP54	IP54
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C	

Code	Name	Description	
P940076 00002	MICHELANGELO BT A 60 U	Barrier with 24 V power supply for useful passage up to 6 m and opening time 6 s. Impact reaction via Encoder. Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour	U-Link
P940076 00102	MICHELANGELO BT A 60 U RAL	Barrier with 24 V power supply for useful passage up to 6 m and opening time 6 s. Impact reaction via Encoder. Control unit with ULink slot, display and receiver in head. RAL colour on request.	U-Link
P940076 00001	MICHELANGELO BT A 60 U 120	Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour Barrier with 24 V power supply for useful passage up to 6 m and opening time 6 s. Impact reaction via Encoder.	U-Link
P940076 00101	MICHELANGELO BT A 60 U 120 RAL	Control unit with ULink slot, display and receiver in head. RAL colour on request Barrier with 24 V power supply for useful passage up to 6 m and opening time 6 s. Impact reaction via Encoder.	U-Link
P940077 00002	MICHELANGELO BT A 80 U	Barrier with 24 V power supply for useful passage up to 8 m and opening time 8 s. Impact reaction via Encoder. Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour	U-Link
P940077 00102	MICHELANGELO BT A 80 U RAL	Control unit with ULink slot, display and receiver in head. RAL colour on request Barrier with 24 V power supply for useful passage up to 8 m and opening time 8 s. Impact reaction via Encoder.	U-Link
P940077 00001	MICHELANGELO BT A 80 U 120	Control unit with ULink slot, display and receiver in head. RAL 7015 grey colour Barrier with 24 V power supply for useful passage up to 8 m and opening time 8 s. Impact reaction via Encoder.	U-Link
P940077 00101	MICHELANGELO BT A 80 U 120 RAL	Control unit with ULink slot, display and receiver in head. RAL colour on request Barrier with 24 V power supply for useful passage up to 8 m and opening time 8 s. Impact reaction via Encoder.	U-Link

MERAK BM8: Incorporated control unit for one 24V operator for sliding gates

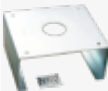
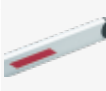







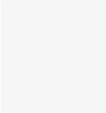










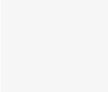



MERAK BM8 - Built in









- Incorporated control unit for one 24V operator for sliding gates
- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards with the new colour standard, simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.



RECOMMENDED ACCESSORIES

	D730964 - BM adjustable base plate for mod. MICHELANGELO - BM		N728022 - AQ6 Complete 6 m rectangular boom for MICHELANGELO
	N728026 - AT 704 Round boom \varnothing 70 mm, length 4.3 m. for clear spaces up to 4 m ATT 704		N728030 - AT 706 Round boom diam. 70 mm length 6.35 m for MICHELANGELO. for openings up to 6 m
	N728028 - AT 502 Second part of telescopic round boom for MICHELANGELO, diam. 50 mm, length 2.6 m.		N728027 - AT 504 Second part of telescopic round boom for MICHELANGELO, diam. 50 mm, length 4.6 m.
	N999606 - OMEGA AQ 6 Accessories pack for AQ 6 boom		N999607 - OMEGA AT 70 Accessories pack for AT 704/706
	N999386 - ACC MCL ATT Accessories pack for ATT 704 / 706 ACC MCL ATT boom		P120072 - KIT ML MCL40 Spring kit for conversion from Michelangelo 60 to Michelangelo 40
	P120028 00001 - PCA N3 Top and bottom rubber cover profile for booms of 3 m max.		P120028 00002 - PCA N4 Top and bottom rubber cover profile for booms of 4 m max.
	P120028 00003 - PCA N5 Top and bottom rubber cover profile for booms of 5 m max.		P120028 00004 - PCA N6 Top and bottom rubber cover profile for booms of 6 m max.
	P120028 00005 - PCA N8 Top and bottom rubber cover profile for booms of 8 m max.		P120006 - MCL LAMPO KIT Integrated flashing light. The MCL CARD KIT is needed for operation
	P120009 - SCHEDA MCL KIT Control board for KIT MCL LIGHT and KIT MCL LAMPO		P120005 00001 - MCL LIGHT KIT Light kit (6 lights) for boom. For use in conjunction with PCA. The MCL CARD KIT is necessary for operation
	D573003 - SB Aluminium skirt for road barrier booms. Price per linear metre (Calculate length of useful passage minus 40cm)		D730088 - FAF Fixed rest fork for booms for cementing to ground.
	P125025 - FAF 2R Additional anchor plates for cementing FAF2 forks to ground.		P120026 - ZFAF2 Additional anchor plates for cementing FAF2 forks to ground.
	P120023 - FAF 2 Rest fork for booms. For bolting to ground.		D940008 - GA AQ AT Movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

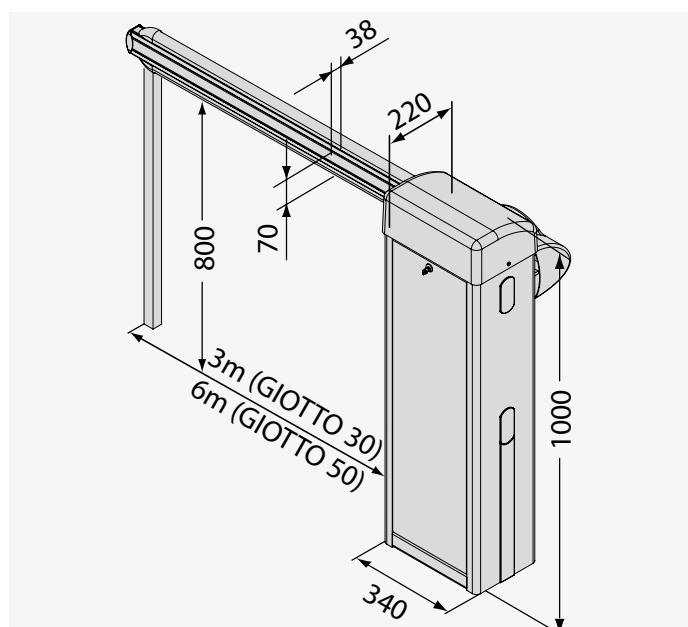
RECOMMENDED ACCESSORIES

	D940009 - GAMA AQ AT Dampened movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -		P120018 - THERMO Thermostatically controlled heating element for use of GIOTTO BT A, MOOVI, MICHELANGELO BT A barriers to ambient temperatures of -40°C
	N190104 - BIR C Rubber safety edge (H 30 mm), price per m		P125038 - MCL BT A BAT KIT Set of backup batteries for MICHELANGELO BT A barriers
	P111401 00001 - VENTIMIGLIA NS Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)		P111001 00003 - RME 2 230 V dual channel metal object detector with installation base
	D110926 00001 - SPIRA 2X1 Magnetic loop 2 x 1 m		



Range of barriers for intensive and very intensive use, able to manage useful passages up to 6 m. Integrated control unit with U-Link connectivity
Available in 24V versions, they have a wide range of accessories making them ideal in any context.

Dimension (mm)



Technical features

	GIOTTO BT A 30 U 230V50	GIOTTO BT A 30 U 230V50 RAL PERS	GIOTTO BT A 30S U 230V50	GIOTTO BT A 30S U 230V50 RAL PERS	GIOTTO BT A 30S U 120V60	GIOTTO BT A 30S U 120V60 RAL PERS
Control unit	MERAK BG	MERAK BG	MERAK BG	MERAK BG	MERAK BG	MERAK BG
Power supply system	230 V	230 V	230 V	230 V	120 V	120 V
Motor power supply	24 V	24 V	24 V	24 V	24 V	24 V
Power consumption	250 W	250 W	300 W	300 W	300 W	300 W
Type of limit switch	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key
Impact reaction	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder
Clear opening	3 m	3 m	3 m	3 m	3 m	3 m
Frequency of use	intensive	intensive	very intensive	very intensive	very intensive	very intensive
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C					
Protection rating	IP54	IP54	IP54	IP54	IP54	IP54



	GIOTTO BT A 60 U 230V50	GIOTTO BT A 60 U 230V50 RAL PERS	GIOTTO BT A 60S U 230V50	GIOTTO BT A 60S U 230V50 RAL PERS	GIOTTO BT A 60S U 120V60	GIOTTO BT A 60S U 120V60 RAL PERS
Control unit	MERAK BG	MERAK BG	MERAK BG	MERAK BG	MERAK BG	MERAK BG
Power supply system	230 V	230 V	230 V	230 V	120 V	120 V
Motor power supply	24 V	24 V	24 V	24 V	24 V	24 V
Power consumption	250 W	250 W	300 W	300 W	W	W
Type of limit switch	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key
Impact reaction	Encoder	Encoder	Encoder	Encoder	Encoder	Encoder
Clear opening	6 m	6 m	6 m	6 m	6 m	6 m
Frequency of use	intensive	intensive	very intensive	very intensive	very intensive	very intensive
Environmental conditions	-20/(-40 with THERMO heater) ÷ 55 °C					
Protection rating	IP54	IP54	IP54	IP54	IP54	IP54

Code	Name	Description	
P940078 00002	GIOTTO BT A 30 U 230V50	Barrier with 24 V motor power supply for clear opening up to 3 m and opening time 4 s. Impact resistance by means of Encoder. Grey RAL 7015 New U-Link control unit with display and receiver in head	U-Link
P940078 00102	GIOTTO BT A 30 U 230V50 RAL PERS	Barrier with 24 V power supply for clear opening up to 3 m and opening time 4 s. Impact resistance by means of Encoder. RAL colour as requested New U-Link control unit with display and receiver in head	U-Link
P940079 00002	GIOTTO BT A 30S U 230V50	Barrier with 24 V motor power supply for clear opening up to 3 m and opening time 2.5 s. Impact resistance by means of Encoder. Grey RAL 7015 New U-Link control unit with display and receiver in head	U-Link
P940079 00102	GIOTTO BT A 30S U 230V50 RAL PERS	Barrier with 24 V power supply for clear opening up to 3 m and opening time 2.5 s. Impact resistance by means of Encoder. RAL colour as requested New U-Link control unit with display and receiver in head	U-Link
P940079 00001	GIOTTO BT A 30S U 120V60	Barrier with 24 V motor for openings of up to 3 m and opening time of 2.5 s. Impact resistance via Encoder. 120 V, 60 Hz version New U-Link control unit with display and receiver in head	U-Link
P940079 00101	GIOTTO BT A 30S U 120V60 RAL PERS	Barrier with 24 V motor for openings of up to 3 m and opening time of 2.5 s. Impact resistance via Encoder. 120 V, 60 Hz version New U-Link control unit with display and receiver in head	U-Link
P940080 00002	GIOTTO BT A 60 U 230V50	Barrier with 24 V motor power supply for clear opening up to 6 m and opening time 5 s. Impact resistance by means of Encoder. Grey RAL 7015 New U-Link control unit with display and receiver in head	U-Link
P940080 00102	GIOTTO BT A 60 U 230V50 RAL PERS	Barrier with 24 V power supply for clear opening up to 6 m and opening time 5 s. Impact resistance by means of Encoder. RAL colour as requested New U-Link control unit with display and receiver in head	U-Link
P940081 00002	GIOTTO BT A 60S U 230V50	Barrier with 24 V motor power supply for clear opening up to 6 m and opening time 4 s. Impact resistance by means of Encoder. Grey RAL 7015 New U-Link control unit with display and receiver in head	U-Link
P940081 00102	GIOTTO BT A 60S U 230V50 RAL PERS	Barrier with 24 V power supply for clear opening up to 6 m and opening time 4 s. Impact resistance by means of Encoder. RAL colour as requested New U-Link control unit with display and receiver in head	U-Link
P940081 00001	GIOTTO BT A 60S U 120V60	Barrier with 24 V motor for openings of up to 6 m and opening time of 4 s. Impact resistance via Encoder. 120 V, 60 Hz version New U-Link control unit with display and receiver in head	U-Link
P940081 00101	GIOTTO BT A 60S U 120V60 RAL PERS	Barrier with 24 V motor for openings of up to 6 m and opening time of 4 s. Impact resistance via Encoder. 120 V, 60 Hz version New U-Link control unit with display and receiver in head	U-Link

MERAK BG: 24V single operator control unit for barriers

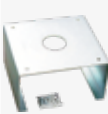
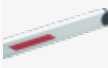









MERAK BG - Built in



- Card power supply: 230 V single-phase
- Main characteristics: removable terminal boards with new colour standard, simplified programming with scenario display, integrated two-channel receiver, D-Track based antisquashing system and slowdown during opening or closing.
- 24V single operator control unit for barriers



RECOMMENDED ACCESSORIES

	D730251 - CBO Base plate for mod. MOOVI - GIOTTO		N728033 - AQ3 Complete 3 metre rectangular boom for GIOTTO and MOOVI
	N728034 - AQ5 Complete 5 metre rectangular boom for GIOTTO and MOOVI		N999507 - OMEGA AQ Pack of accessories for installation of 3/5 m rectangular boom for MOOVI/GIOTTO
	N728031 - AT3 Complete 3 metre round boom for MOOVI/GIOTTO		N728032 - AT5 Complete 5 metre round boom for MOOVI/GIOTTO
	N728038 - AT6 Complete 6 metre round boom for MOOVI/GIOTTO		N999513 - OMEGA AT Pack of accessories for installation of 3/5 m round boom for MOOVI/GIOTTO
	P120023 - FAF 2 Rest fork for booms. For bolting to ground.		N999608 - ACTR Pack of 12 additional reflective labels (1 pack already included with each boom)
	N728051 - ART 90 Q 90 ° articulated joint for Moovi and Giotto booms. Max 4m clear passage.		D573003 - SB Aluminium skirt for road barrier booms. Price per linear metre (Calculate length of useful passage minus 40cm)
	P120001 00001 - KIT LIGHT Lights on boom 3 - 4.5 m		P120001 00002 - KIT LIGHT1 Lights for booms over 4.5 m
	P120028 00001 - PCA N3 Top and bottom rubber cover profile for booms of 3 m max.		P120028 00002 - PCA N4 Top and bottom rubber cover profile for booms of 4 m max.
	P120028 00003 - PCA N5 Top and bottom rubber cover profile for booms of 5 m max.		P120028 00004 - PCA N6 Top and bottom rubber cover profile for booms of 6 m max.
	P120026 - ZFAF2 Additional anchor plates for cementing FAF2 forks to ground.		P125025 - FAF 2R
	D940007 - GAM Mobile rest leg for BGV barrier boom (not usable on BGV 30)		D940008 - GA AQ AT Movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -

RECOMMENDED ACCESSORIES

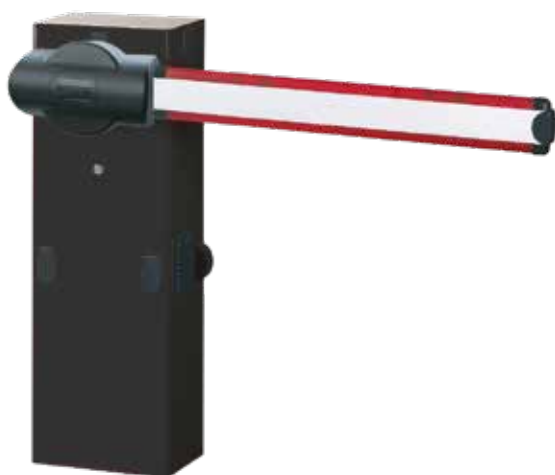
	D940009 - GAMA AQ AT Dampened movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -		N190104 - BIR C Rubber safety edge (H 30 mm), price per m
	P111401 00001 - VENTIMIGLIA NS Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)		P120074 - GIOTTO M BG BAT KIT Buffer battery kit for Giotto BT A series barrier
	P120018 - THERMO Thermostatically controlled heating element for use of GIOTTO BT A, MOOVI, MICHELANGELO BT A barriers to ambient temperatures of -40°C		P111001 00003 - RME 2 230 V dual channel metal object detector with installation base
	P111274 - RME 1 BT 24 V single channel metal object detector with installation base		D110926 00001 - SPIRA 2X1 Magnetic loop 2 x 1 m



ee link

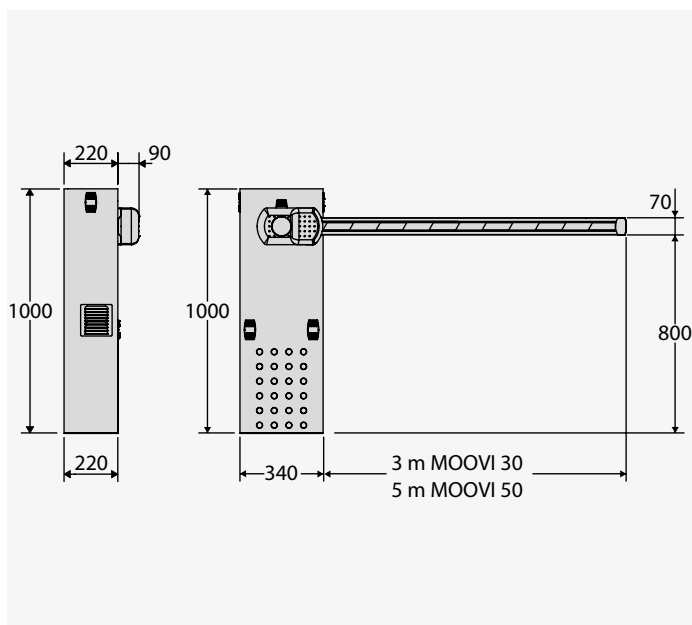


er ready



Range of barriers for very intensive use, for clear openings up to 6 m. The wide range of accessories available makes them ideal in any context.

Dimension (mm)



Technical features

	MOOVI 30	MOOVI 30 RAL	MOOVI 30 RMM	MOOVI 30 RMM RAL	MOOVI 30S	MOOVI 30S RAL
Clear opening	3 m	3 m	3 m	3 m	3 m	3 m
Control unit	ALPHA BOM	ALPHA BOM	LEO MV D	LEO MV D	LEO MV D	LEO MV D
Motor power supply	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	300 W	300 W	300 W	300 W	300 W	300 W
Type of limit switch	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Slowdown			Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key
Impact reaction	Sensitive edge	Sensitive edge	Encoder	Encoder	Encoder	Encoder
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C



	MOOVI 30S INOX	MOOVI 60	MOOVI 60 RAL	MOOVI 60 RMM	MOOVI 60 RMM RAL	MOOVI 60RMM INOX
Clear opening	3 m	6 m	6 m	6 m	6 m	6 m
Control unit	LEO MV D	ALPHA BOM	ALPHA BOM	LEO MV D	LEO MV D	LEO MV D
Motor power supply	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	300 W	300 W	300 W	300 W	300 W	300 W
Type of limit switch	Electronic	Electronic	Electronic	Electronic	Electronic	Electronic
Slowdown	Yes			Yes	Yes	
Locking	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical	Mechanical
Release	Personal key	Personal key	Personal key	Personal key	Personal key	Personal key
Impact reaction	Encoder	Sensitive edge	Sensitive edge	Encoder	Encoder	Encoder
Frequency of use	intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP24	IP24	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C

	MOOVI 30 RMM INOX
Clear opening	3 m
Control unit	LEO MV D
Motor power supply	230 V
Power consumption	300 W
Type of limit switch	Electronic
Slowdown	Yes
Locking	Mechanical
Release	Personal key
Impact reaction	Encoder
Frequency of use	Semi intensive
Protection rating	IP24
Environmental conditions	-20 ÷ 50 °C

Code	Name	Description
P940062 00002	MOOVI 30	Barrier with 230 V motor power supply for clear opening up to 3 m and opening time 4 s. Impact resistance by means of Sensitive edge. Grey RAL 7015 Control unit with display and built-in receiver
P940062 00102	MOOVI 30 RAL	Barrier with 230 V power supply for clear opening up to 3 m and opening time 4 s. Impact resistance by means of Sensitive edge. RAL colour as requested Control unit with display and built-in receiver
P940063 00002	MOOVI 30 RMM	Barrier with 230 V motor power supply for clear opening up to 3 m and opening time 4 s. Impact resistance by means of Encoder. Grey RAL 7015 Control unit with display and built-in receiver
P940063 00102	MOOVI 30 RMM RAL	Barrier with 230 V power supply for clear opening up to 3 m and opening time 4 s. Impact resistance by means of Encoder. RAL colour as requested Control unit with display and built-in receiver
P940064 00002	MOOVI 30S	Barrier with 230 V motor power supply for clear opening up to 3 m and opening time 1.5+ral s. Impact resistance by means of Encoder. Grey RAL 7015 Rapid barrier
P940064 00102	MOOVI 30S RAL	Barrier with 230 V power supply for clear opening up to 3 m and opening time 1.5+ral s. Impact resistance by means of Encoder. RAL colour as requested Rapid barrier
P940031 00002	MOOVI 30S INOX	Barrier with 230 V power supply for openings of up to 3 m and opening time of 1.5+ral s. Impact resistance via Encoder. Stainless steel structure Rapid barrier
P940065 00002	MOOVI 60	Barrier with 230 V motor power supply for clear opening up to 6 m and opening time 8 s. Impact resistance by means of Sensitive edge. Grey RAL 7015 Control unit with display and built-in receiver
P940065 00102	MOOVI 60 RAL	Barrier with 230 V power supply for clear opening up to 6 m and opening time 8 s. Impact resistance by means of Sensitive edge. RAL colour as requested Control unit with display and built-in receiver
P940066 00002	MOOVI 60 RMM	Barrier with 230 V motor power supply for clear opening up to 6 m and opening time 8 s. Impact resistance by means of Encoder. Grey RAL 7015 Control unit with display and built-in receiver
P940066 00102	MOOVI 60 RMM RAL	Barrier with 230 V power supply for clear opening up to 6 m and opening time 8 s. Impact resistance by means of Encoder. RAL colour as requested Control unit with display and built-in receiver
P940066 00004	MOOVI 60RMM INOX	Barrier with 230 V power supply for openings of up to 6 m and opening time of 8 s. Impact resistance via Encoder. Stainless steel structure Control unit with display and built-in receiver
P940027 00004	MOOVI 30 RMM INOX	Barrier with 230 V power supply for openings of up to 3 m and opening time of 8 s. Impact resistance via Encoder. Stainless steel structure Control unit with display and built-in receiver



ALPHA BOM: Built-in control unit for Moovi barrier

ALPHA BOM - Recommended

- Built-in control unit for Moovi barrier
- Integrated dual-channel receiver
- Dip switch programming, potentiometers

LEO MV D: Control unit for MOOVI

D113726 00002 - LEO MV D - Recommended



- Main features: integrated dual-channel receiver, slowdown during opening and closing
- Display programming

RECOMMENDED ACCESSORIES

	D730251 - CBO Base plate for mod. MOOVI - GIOTTO		N728033 - AQ3 Complete 3 metre rectangular boom for GIOTTO and MOOVI
	N728034 - AQ5 Complete 5 metre rectangular boom for GIOTTO and MOOVI		N999507 - OMEGA AQ Pack of accessories for installation of 3/5 m rectangular boom for MOOVI/GIOTTO
	N999509 - OMEGA AQ 5/STEEL Pack of accessories for installation of 3/5 m rectangular boom for MOOVI INOX		N728031 - AT3 Complete 3 metre round boom for MOOVI/GIOTTO
	N728032 - AT5 Complete 5 metre round boom for MOOVI/GIOTTO		N728038 - AT6 Complete 6 metre round boom for MOOVI/GIOTTO
	N999513 - OMEGA AT Pack of accessories for installation of 3/5 m round boom for MOOVI/GIOTTO		P120023 - FAF 2 Rest fork for booms. For bolting to ground.
	N999608 - ACTR Pack of 12 additional reflective labels (1 pack already included with each boom)		N728051 - ART 90 Q 90 ° articulated joint for Moovi and Giotto booms. Max 4m clear passage.
	D573003 - SB Aluminium skirt for road barrier booms. Price per linear metre (Calculate length of useful passage minus 40cm)		P120001 00001 - KIT LIGHT Lights on boom 3 - 4.5 m
	P120001 00002 - KIT LIGHT1 Lights for booms over 4.5 m		P120028 00001 - PCA N3 Top and bottom rubber cover profile for booms of 3 m max.

RECOMMENDED ACCESSORIES

<p>P120028 00002 - PCA N4</p> <p>Top and bottom rubber cover profile for booms of 4 m max.</p>	<p>P120028 00003 - PCA N5</p> <p>Top and bottom rubber cover profile for booms of 5 m max.</p>
<p>P120028 00004 - PCA N6</p> <p>Top and bottom rubber cover profile for booms of 6 m max.</p>	<p>P125025 - FAF 2R</p>
<p>P120026 - ZFAF2</p> <p>Additional anchor plates for cementing FAF2 forks to ground.</p>	<p>D940007 - GAM</p> <p>Mobile rest leg for BGV barrier boom (not usable on BGV 30)</p>
<p>D940008 - GA AQ AT</p> <p>Movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -</p>	<p>D940009 - GAMA AQ AT</p> <p>Dampened movable support leg for AQ or AT booms (on MOOVI, MICHELANGELO and GIOTTO barriers) -</p>
<p>N190104 - BIR C</p> <p>Rubber safety edge (H 30 mm), price per m</p>	<p>P111401 00001 - VENTIMIGLIA N5</p> <p>Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)</p>
<p>P120018 - THERMO</p> <p>Thermostatically controlled heating element for use of GIOTTO BT A, MOOVI, MICHELANGELO BT A barriers to ambient temperatures of -40°C</p>	<p>P111376 - SCS 1</p> <p>Expansion card</p>
<p>P111001 00003 - RME 2</p> <p>230 V dual channel metal object detector with installation base</p>	<p>D110926 00001 - SPIRA 2X1</p> <p>Magnetic loop 2 x 1 m</p>



MAXIMA / MAXIMA ULTRA

ARM ACCESSORIES COMPATIBILITY FOR MAXIMA / MAXIMA ULTRA

CODE	MODEL	MAXIMA 30 (1,7 / 3m)	MAXIMA ULTRA 35 (1,7 / 3m)	MAXIMA ULTRA 35 (3 / 5m)	MAXIMA 60 (4 / 6m)	MAXIMA 80 (6 / 8m)	MAXIMA ULTRA 68 (4 / 8m)
P120049	RST ATM		● ⁽²⁾	● ⁽³⁾	●	●	● ⁽³⁾
P120050	GA ATM			● ⁽³⁾	●	●	● ⁽³⁾
P120077 00001	KIT ATM LIGHT 3 R/G 2W	●	●				
P120077 00002	KIT ATM LIGHT 5 R/G 2W			●			
P120077 00003	KIT ATM LIGHT 8 R/G 2W				●	●	● ⁽³⁾
P120053 00001	PCA ATM 3	●	●				
P120053 00002	PCA ATM 5			●			
P120053 00003	PCA ATM 8				●	●	●
P120079	EBB KIT ATML				●	●	●

⁽²⁾ Low speed only ⁽³⁾ Check springs table

ACCESSORIES COMPATIBILITY FOR MAXIMA / MAXIMA ULTRA

CODE	MODEL	MAXIMA 30	MAXIMA ULTRA 35	MAXIMA 60	MAXIMA 80	MAXIMA ULTRA 68
P120036 00001	ATM25	●	●			
P120036 00002	ATM30	●	●			
P120036 00003	ATM40		●			
P120036 00004	ATM50		●			
P120041	ATML60			●	●	●
P120042	ATML EXT2				●	●
P120043	OMEGA ATM	●				
P120048	OMEGA ATM FRA	●				
P120044	OMEGA ATML			●	●	
P120045	OMEGA FRC ATML			●	●	
P120062	OMEGA ATM U35		●			
P120071	OMEGA ATM FRA U35		●			
P120046	OMEGA ATML U					●
P120047	OMEGA FRC ATML U					●
P120065	ATM30 90° RG	●	●			
P120063	ATM30 180° RG		●			
P120066	ATM50 90° RG		●			
P120064	ATM50 180° RG		●			

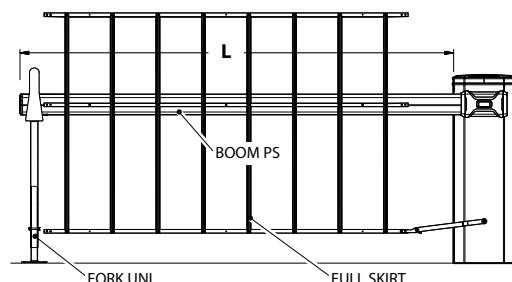
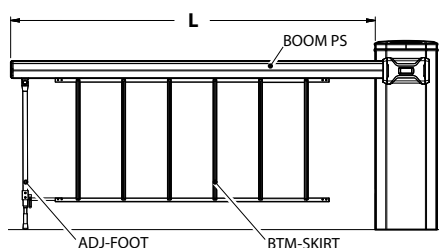


MAXIMA ULTRA 36

SPRINGS

BALANCING THE ARM

VERSION	DESCRIPTION	ACCESSORIES	2000	2500	3000	3500	4000	4500	5000	5500	6000
STD	standard	BOOM PS	STD	STD	STD	STD	STD	STD	STD	STD (A)	STD (A)
STD (A)	standard + FORK UNI	BOOM PS + ADJ-FOOT							STD	STD	XL
STD (B)	standard + HYPEN PS	BOOM PS + EBB KIT ATML			STD (A)	STD (A)	STD (A)	STD (A)	STD (A)	STD (A+B)	XL (A)
STD (A+B)	standard + FORK UNI + HYPEN PS	BOOM PS + BTM-SKIRT			STD	STD	STD (A)	STD (A)	STD (A+B)	XL (A)	XL (A)
XL	XL	BOOM PS + BTM-SKIRT + ADJ-FOOT					STD	STD	STD (B)	XL	XL
XL (A)	XL + FORK UNI	BOOM PS + BTM-SKIRT + EBB KIT ATML					STD (A)	STD (A)	STD (A+B)	XL (A)	XL (A)
		BOOM PS + FULL-SKIRT	STD	STD	STD	STD (A)	STD (A)	STD (A+B)	XL (A)	XL (A)	XL (A)
		BOOM PS + FULL-SKIRT + EBB KIT ATML					STD (A)	STD (A)	XL (A)		





MAXIMA ULTRA 35

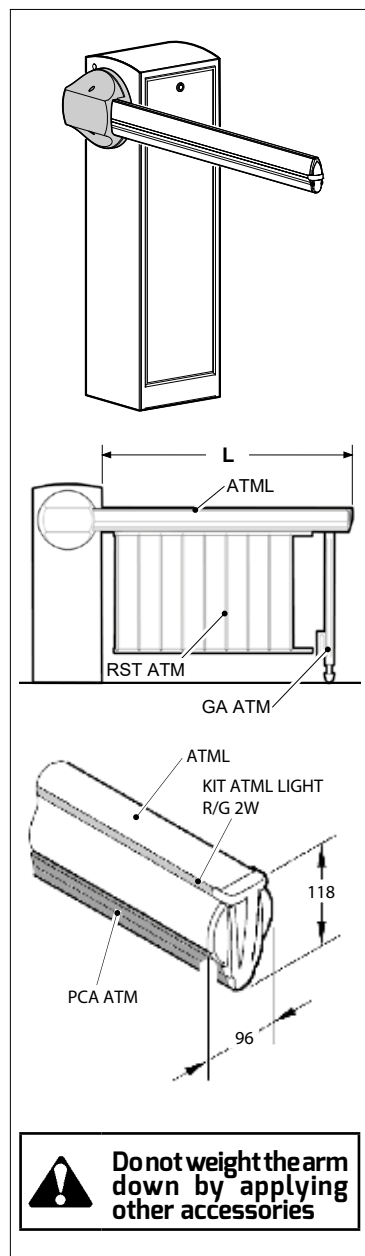
SPRINGS

SPRING	DIAMETER	COLOR
R	Ø 7.5	Red
G	Ø 8.0	Blue
B	Ø 9.5	Green

BALANCING THE ARM

ACCESSORIES	L (mm)	1700	2000	2250	2500	2750	3000	3500	4000	4500	5000
ATM		R	R	R	R	B	B	G	G	G	G
ATM + KIT ATM LIGHT R/G 2W		R	R	R	R	B	B	G	G	G	G
ATM + PCA ATM		R	R	R	R	B	B	G	G	G	G
ATM + KIT ATM LIGHT R/G 2W + PCA ATM		R	R	R	R	B	B	G	G	G	G
ATM + GA ATM (*)									G	G	G
ATM + KIT ATM LIGHT R/G 2W + GA ATM (*)									G	G	G
ATM + PCA ATM + GA ATM (*)									G	G	G
ATM + KIT ATM LIGHT R/G 2W + PCA ATM + GA ATM (*)									G	G	
ATM + RST ATM		R	R	B	B	B	G	G	G	G	
ATM + RST ATM + KIT ATM LIGHT R/G 2W		R	R	B	B	B	G	G	G	G	
ATM + RST ATM + GA ATM (*)								G	G		
ATM + RST ATM + KIT ATM LIGHT R/G 2W + GA ATM (*)								G	G		

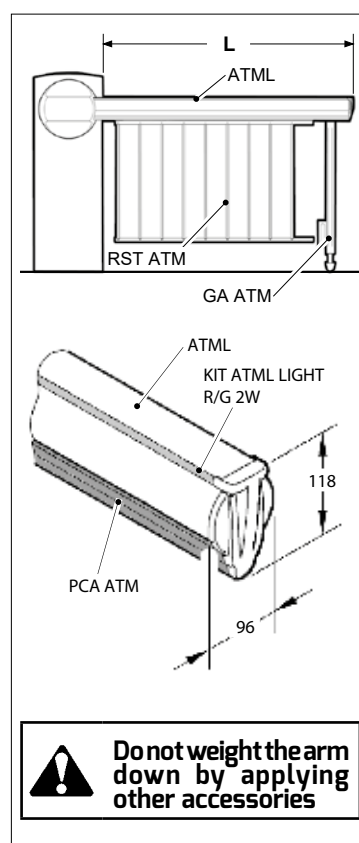
(*) GA ATM = EBB KIT ATML



MAXIMA ULTRA 68

SPRINGS

SPRING	DIAMETER	COLOR
W+W	Ø 7.5 + Ø 7.5	White + White
Y	Ø 9.0	Yellow
Y+Y	Ø 9.0 + Ø 9.0	Yellow + Yellow
Y+P	Ø 9.0 + Ø 9.5	Yellow + Purple
P+P	Ø 9.5 + Ø 9.5	Purple + Purple
P+B	Ø 9.5 + Ø 11.0	Purple + Black
B+B	Ø 11.0 + Ø 11.0	Black + Black



BALANCING THE ARM


ACCESSORIES	L (mm)	4000	4500	5000	5500	6000	6500	7000	7500	8000
ATML		W+W	W+W	Y	Y	W+Y	Y+Y	Y+Y	Y+P	Y+P
ATML + KIT ATML LIGHT R/G 2W		W+W	W+W	Y	Y	W+Y	Y+Y	Y+Y	Y+P	P+P
ATML + PCA ATM		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	P+P	P+B
ATML + KIT ATML LIGHT R/G 2W + PCA ATM		W+W	Y	Y	W+Y	W+Y	Y+P	Y+P	P+P	P+B
ATML + GA ATM (*)		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	P+P	P+P
ATML + KIT ATML LIGHT R/G 2W + GA ATM (*)		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	P+P	P+B
ATML + PCA ATM + GA ATM (*)		W+W	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	B+B
ATML + KIT ATML LIGHT R/G 2W + PCA ATM + GA ATM (*)		Y	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	B+B
ATML + RST ATM		W+W	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	B+B
ATML + RST ATM + KIT ATML LIGHT R/G 2W		Y	Y	W+Y	W+Y	Y+Y	P+P	P+P	P+B	
ATML + RST ATM + GA ATM (*)		Y	Y	W+Y	Y+Y	Y+Y	P+P	P+B	B+B	
ATML + RST ATM + KIT ATML LIGHT R/G 2W + GA ATM (*)		Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	B+B	

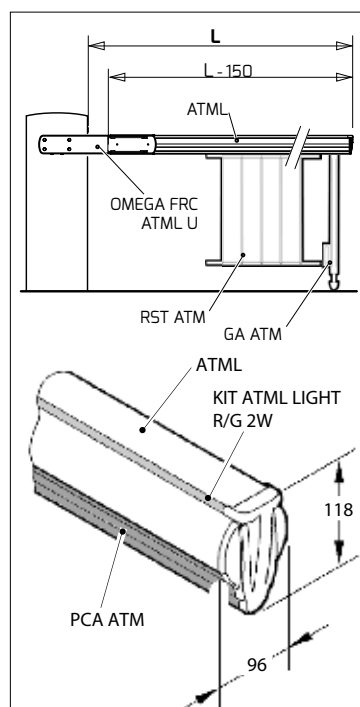
(*) GA ATM = EBB KIT ATML



MAXIMA ULTRA 68 + OMEGA FRC ATML U





SPRINGS

 SPRING	DIAMETER	COLOR
W+W	Ø 7.5 + Ø 7.5	White + White
W+Y	Ø 7.5 + Ø 9.0	White + Yellow
Y	Ø 9.0	Yellow
Y+Y	Ø 9.0 + Ø 9.0	Yellow + Yellow
Y+P	Ø 9.0 + Ø 9.5	Yellow + Purple
P+P	Ø 9.5 + Ø 9.5	Purple + Purple
P+B	Ø 9.5 + Ø 11.0	Purple + Black
B+B	Ø 11.0 + Ø 11.0	Black + Black



 **Do not weight the arm down by applying other accessories**
















BALANCING THE ARM

MAXIMA ULTRA 68 + OMEGA FRC ATML U										
ACCESSORIES	L (mm)	4000	4500	5000	5500	6000	6500	7000	7500	8000
ATML		W+W	Y	Y	W+Y	W+Y	Y+Y	Y+P	Y+P	P+P
ATML + KIT ATML LIGHT R/G 2W		Y	Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+P	P+P
ATML + PCA ATM		Y	W+Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	P+B
ATML + KIT ATML LIGHT R/G 2W + PCA ATM		Y	W+Y	W+Y	Y+Y	Y+Y	Y+P	P+P	P+B	B+B
ATML + GA ATM (*)		Y	W+Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	P+B
ATML + KIT ATML LIGHT R/G 2W + GA ATM (*)		Y	W+Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	P+B
ATML + PCA ATM + GA ATM (*)		Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	P+B	B+B
ATML + KIT ATML LIGHT R/G 2W + PCA ATM + GA ATM (*)		Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	B+B	B+B
ATML + RST ATM		Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	B+B	B+B
ATML + RST ATM + KIT ATML LIGHT R/G 2W		Y	W+Y	W+Y	Y+Y	Y+Y	P+P	P+B	B+B	B+B
ATML + RST ATM + GA ATM (*)		W+Y	W+Y	Y+Y	Y+Y	Y+Y	P+P	P+B	B+B	B+B
ATML + RST ATM + KIT ATML LIGHT R/G 2W + GA ATM (*)		W+Y	W+Y	Y+Y	Y+Y	Y+Y	P+P	B+B	B+B	B+B

(*) GA ATM = EBB KIT ATML






MICHELANGELO BT A

WORKING LENGTH OF BOOM AND BALANCING (m)

SB	PCA N (above boom only)	PCA N (below boom only)	KIT LIGHT	GA AQ AT - GAMA AQ AT	BIR	MCL 40 + AT 704						MCL 40 + AQ 6						MCL 60 + AQ 6				MCL 60 + AT 704 + ATT502				MCL 60 + AT 706				MCL 80 + AT 706		MCL 80 + AT 704+AT504			
																																			
						min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L	min L	max L
	●							3.0	3.6	2.4	3.1			3.3	4.0	2.8	3.6	5.7	6.0	4.8	5.9	5.4	6.0	3.9	5.1	5.1	5.7	4.0	5.1			7.9	8.0		
	●	●				3.8	4	2.9	3.5	2.3	3.0			3.3	4.0	2.7	3.4	5.6	6.0	4.5	5.6	5.3	6.0	3.8	5.1	4.9	5.5	3.9	4.9			7.8	8.0		
	●	●	●			3.8	4.0	2.8	3.4	2.3	2.9			3.3	3.9	2.6	3.3	5.5	6.0	4.4	5.5	5.2	6.0	3.8	5.1	4.8	5.4	3.8	4.8			7.6	8.0		
					●	3.6	3.9	2.8	3.3	2.2	2.8			3.1	3.7	2.5	3.2	5.4	6.0	4.5	5.5	5.0	5.8	4.2	5.0	4.6	5.2	3.7	4.6			7.3	7.8		
	●				●	3.5	3.8	2.7	3.2	2.1	2.7	3.9	4.0	3.0	3.6	2.4	3.0	5.4	6.0	4.4	5.3	4.8	5.6	3.4	4.6	4.5	5.0	3.6	4.5			7.0	7.4		
	●		●		●	3.5	3.7	2.6	3.1	2.1	2.7	3.9	4.0	2.9	3.5	2.3	3.0	5.3	5.9	4.3	5.3	4.7	5.5	3.3	4.5	4.4	4.9	3.5	4.4			6.9	7.3		
●						3.1	3.3	2.4	2.8	1.9	2.4	3.4	3.7	2.6	3.1	2.1	2.6	4.7	5.2	3.8	4.5					4.0	4.5	3.2	4.0	5.8	6.0				
●	●					3.0	3.2	2.3	2.7	1.8	2.3	3.3	3.5	2.5	3.0	2.0	2.5	4.6	5.1	3.7	4.4					3.9	4.4	3.1	3.9	5.6	5.9				
●	●		●			3.0	3.2	2.3	2.7	1.8	2.3	3.3	3.5	2.5	2.9	2.0	2.5	4.5	5.0	3.6	4.4					3.8	4.3	3.0	3.8	5.6	5.8				
					●	3.9	4.0	2.8	3.5	2.3	2.9			3.3	4.0	2.6	3.4	5.6	6.0	4.5	5.5	5.3	6.0	3.6	5.1	5.0	5.6	3.9	5.0			7.9	8.0		
	●				●	3.7	3.9	2.7	3.3	2.2	2.8			3.1	3.8	2.5	3.2	5.5	6.0	4.4	5.5	5.2	6.0	3.5	5.0	4.8	5.4	3.8	4.8			7.5	8.0		
	●	●			●	3.5	3.8	2.6	3.2	2.1	2.7			3.0	3.6	2.3	3.0	5.4	6.0	4.3	5.5	5.2	5.9	3.4	4.9	4.6	5.2	3.6	4.6			7.1	7.6		
	●		●		●	3.6	3.9	2.7	3.3	2.2	2.8			3.1	3.7	2.4	3.1	5.4	6.0	4.4	5.5	5.1	5.9	3.4	5.0	4.7	5.3	3.7	4.7			7.4	8.0		
	●	●			●	3.5	3.7	2.6	3.1	2.1	2.6	3.9	4.0	2.9	3.5	2.3	3.0	5.3	6.0	4.2	5.3	4.9	5.7	3.1	4.5	4.5	5.1	3.6	4.5			7.1	7.8		
					●	3.4	3.6	2.5	3.0	2.0	2.5	3.8	4.0	2.8	3.4	2.3	2.9	5.4	5.9	4.3	5.3	4.7	5.5	3.1	4.5	4.4	4.9	3.5	4.4			6.8	7.5		
	●				●	3.3	3.5	2.4	2.9	2.0	2.5	3.6	3.9	2.7	3.3	2.2	2.8	5.0	5.6	4.0	4.9	4.5	5.3	2.9	4.2	4.3	4.8	3.3	4.2			6.5	7.2		
	●		●		●	3.2	3.4	2.4	2.9	1.9	2.4	3.6	3.8	2.6	3.2	2.1	2.7	4.9	5.5	3.9	4.9	4.5	5.2	2.8	4.1	4.2	4.7	3.3	4.2			6.4	7.1		
●					●	2.9	3.1	2.2	2.6	1.7	2.2	3.2	3.4	2.4	2.9	1.9	2.4	4.4	4.9	3.3	4.2					3.8	4.3	3.0	3.8	5.6	5.8				
●	●				●	2.8	3.1	2.1	2.6	1.6	2.1	3.1	3.3	2.3	2.8	1.8	2.3	4.3	4.8	3.2	4.1					3.7	4.2	2.9	3.7	5.5	5.7				
●	●		●		●	2.8	3.0	2.1	2.5	1.6	2.1	3.0	3.3	2.3	2.7	1.8	2.3	4.2	4.7	3.2	4.0					3.6	4.1	2.9	3.6	5.4	5.6				
								3.4	4.0	2.6	3.2			3.8	4.0	3.0	3.8	5.3	6.0	4.8	6.0	5.2	6.0	3.8	5.1	5.3	6.0	4.2	5.3			7.9	8.0		

GIOTTO - GIOTTO BT A

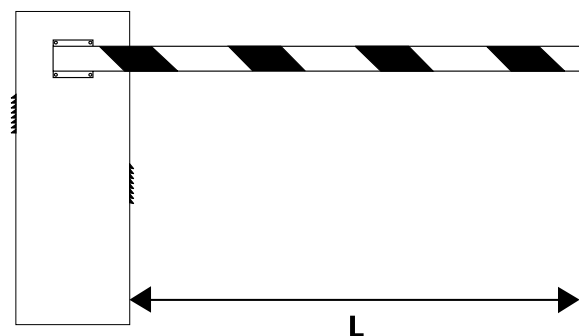
WORKING LENGTH OF BOOM AND BALANCING (m)

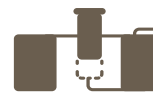
SB	PCA N (above boom only)	PCA N (below boom only)	KIT LIGHT	GA AQ AT - GAMA AQ AT	BIR	GIOTTO BT / GIOTTO 5 BT 60				GIOTTO BT / GIOTTO 5 BT 30					
															
						min L	max L	min L	max L	min L	max L	min L	max L	min L	max L
	●					5.0	5.0	3.9	5.0					1.9	3.0
	●	●				4.7	5.0	3.7	4.9					1.8	3.0
	●	●	●			4.6	5.0	3.6	4.7			2.9	3.0	1.7	2.9
					●	4.4	4.9	3.4	4.5			2.8	3.0	1.7	2.8
	●				●	4.2	4.6	3.3	4.3			2.7	3.0	1.6	2.7
	●		●		●	4.1	4.5	3.2	4.2			2.6	3.0	1.5	2.6
●						3.6	4.0	2.8	3.7	2.8	3.0	2.3	2.6	1.3	2.3
●	●					3.4	3.8	2.7	3.6	2.7	2.9	2.2	2.5	1.3	2.2
●	●		●			3.4	3.8	2.7	3.5	2.7	2.9	2.2	2.5	1.3	2.2
				●		4.8	5.0	3.7	5.0			2.9	3.0	1.6	2.9
	●			●		4.5	5.0	3.5	4.7			2.8	3.0	1.5	2.8
	●	●		●		4.3	4.8	3.3	4.4			2.6	3.0	1.4	2.6
	●	●	●	●		4.2	4.7	3.2	4.3			2.5	3.0	1.4	2.5
				●	●	4.0	4.5	3.1	4.2			2.5	2.9	1.3	2.5
	●			●	●	3.8	4.3	2.9	4.0	2.9	3.0	2.3	2.8	1.3	2.3
	●		●	●	●	3.7	4.2	2.9	3.9	2.9	3.0	2.3	2.7	1.2	2.3
●				●		3.3	3.7	2.6	3.5	2.5	2.8	2.0	2.4	1.1	2.0
●	●			●		3.2	3.6	2.5	3.3	2.5	2.7	2.0	2.3	1.1	2.0
●	●		●	●		3.2	3.5	2.4	3.3	2.4	2.7	1.9	2.3	1.0	1.9
						6.0	6.0	4.4	5.0					2.1	3.0

MOOVI 30-60

WORKING LENGTH OF BOOM AND BALANCING (m)

SB	PCA N (above boom only)	PCA N (below boom only)	KIT LIGHT	GAMA AQ AT	BIR	MOOVI 60				MOOVI 30			
						A		B		B	C		
						min L	max L	min L	max L				
	●					5.0	5.0	3.9	5.0			2.9	3.0
	●	●				4.7	5.0	3.7	4.9			2.8	3.0
	●	●	●			4.6	5.0	3.6	4.7			2.7	3.0
					●	4.4	4.9	3.4	4.5			2.6	3.0
	●				●	4.2	4.6	3.3	4.3			2.4	3.0
	●		●		●	4.1	4.5	3.2	4.2	2.9	3.0	2.4	3.0
●						3.6	4.0	2.8	3.7	2.9	3.0	2.1	3.0
●	●					3.4	3.8	2.7	3.6	2.8	3.0	2.0	3.0
●	●		●			3.4	3.8	2.7	3.5	2.7	3.0	1.9	3.0
					●	4.8	5.0	3.7	5.0			2.7	3.0
	●				●	4.5	5.0	3.5	4.7			2.5	3.0
	●	●			●	4.3	4.8	3.3	4.4			2.4	3.0
	●	●	●		●	4.2	4.7	3.2	4.3	2.9	3.0	2.3	3.0
					●	4.0	4.5	3.1	4.2	2.8	3.0	2.2	3.0
	●				●	3.8	4.3	2.9	4.0	2.7	3.0	2.1	3.0
	●		●		●	3.7	4.2	2.9	3.9	2.9	3.0	2.1	3.0
●					●	3.3	3.7	2.6	3.5	2.6	3.0	1.8	3.0
●	●				●	3.2	3.6	2.5	3.3	2.6	3.0	1.7	3.0
●	●		●		●	3.2	3.5	2.4	3.3	2.5	3.0	1.7	3.0
						6.0	6.0	4.4	5.0			2.9	3.0





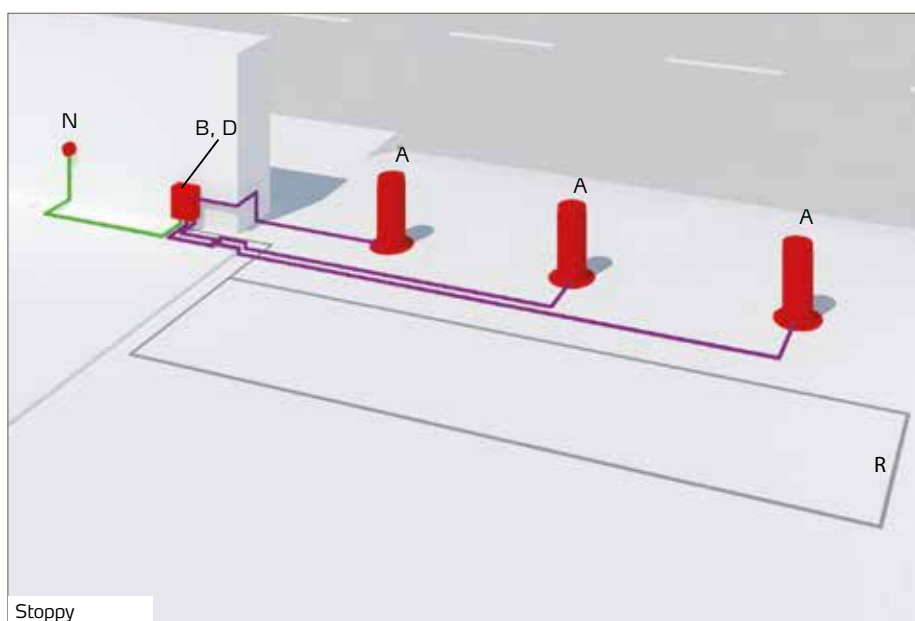
Parking and traffic bollards

Guide to choosing

Rod height	Rod diameter	Kit	Operator	Plus
hydraulic bollards				
600 mm	273 mm	-	PILLAR B 275/600.6C L	Cap with lights.
		-	PILLAR B 275/600.6C L - RAL	Cap with lights.
		-	PILLAR B 275/600.6C LI	Cap with lights, stainless steel version.
		-	PILLAR B 275/600.6C L SD	Security & Device version.
		-	PILLAR B 275/600.6C L SD - RAL	Security & Device version.
-		PILLAR B 275/600.6C LI SD	Security & Device version.	
-		PILLAR B 275/800.6C L	Cap with lights.	
-		PILLAR B 275/800.6C L - RAL	Cap with lights.	
-		PILLAR B 275/800.6C LI	Cap with lights, stainless steel version.	
-		PILLAR B 275/800.6C L SD	Security & Device version.	
-		PILLAR B 275/800.6C L SD - RAL	Security & Device version.	
-		PILLAR B 275/800.6C LI SD	Security & Device version.	
-		PILLAR B 275/800.10C L	Cap with lights.	
-		PILLAR B 275/800.10C L - RAL	Cap with lights.	
-		PILLAR B 275/800.10C LI	Cap with lights, stainless steel version.	
-	PILLAR B 275/800.10C L SD	Security & Device version.		
-	PILLAR B 275/800.10C L SD - RAL	Security & Device version.		
-	PILLAR B 275/800.10C LI SD	Security & Device version.		
automatic bollards				
490 mm	---	-	STOPPY MBB KIT 219/500.C 230 C	
		-	STOPPY MBB KIT 219/500.C 230 C - RAL	
		-	STOPPY MBB KIT 219/500.C 230 L C	
		-	STOPPY MBB KIT 219/500.C 230 L C - RAL	
		-	STOPPY MBB KIT 219/500.C 230 LI C	
	114 mm	-	STOPPY B 115/500	Slowdown in opening and closing
-		STOPPY B 115/500 - RAL	Slowdown in opening and closing	
500 mm	210 mm	-	STOPPY O	Ministry of transport type-approved
	220 mm	-	STOPPY O RAL	Ministry of transport type-approved
700 mm	---	-	STOPPY MBB KIT 219/700.C 230 C	
		-	STOPPY MBB KIT 219/700.C 230 C - RAL	
		-	STOPPY MBB KIT 219/700.C 230 L C	
		-	STOPPY MBB KIT 219/700.C 230 L C - RAL	
		-	STOPPY MBB KIT 219/700.C 230 LI C	
	194 mm	-	STOPPY B 200/700	
		-	STOPPY B 200/700 - RAL	
	210 mm	-	STOPPY H O	Ministry of transport type-approved
		-	STOPPY H O LI	Ministry of transport type-approved
	220 mm	-	STOPPY H O RAL	Ministry of transport type-approved
Semi-automatic bollards				

Rod height	Rod diameter	Kit	Operator	Plus	
490 mm	---	-	DAMPY B 115/500 - RAL		
		-	DAMPY B 219/500		
		-	DAMPY B 219/500 - RAL		
		-	DAMPY B 219/500 I		
		-	DAMPY B 219/500 L		
		-	DAMPY B 219/500 L - RAL		
-		DAMPY B 219/500 LI			
500 mm		-	DAMPY B 115/500		
		-	DAMPY B 115/500 I		
700 mm		-	DAMPY B 219/700		
		-	DAMPY B 219/700 - RAL		
		-	DAMPY B 219/700 I		
		-	DAMPY B 219/700 L		
		-	DAMPY B 219/700 L - RAL		
		-	DAMPY B 219/700 LI		
Fixed bollards					
490 mm		---	-	RANCH B 219/500	
			-	RANCH B 219/500 - RAL	
	-		RANCH B 219/500 I		
	-		RANCH B 219/500 L		
	-		RANCH B 219/500 L - RAL		
-	RANCH B 219/500 LI				
600 mm	-		RANCH C 275/600CN	High breakage resistance	
	-		RANCH C 275/600CN - RAL	High breakage resistance	
	-		RANCH C 275/600CN L	Painted steel High breakage resistance	
	-		RANCH C 275/600CN L - RAL	High breakage resistance	
	-		RANCH C 275/600CN I	Stainless steel High breakage resistance	
-	RANCH C 275/600CN LI		High breakage resistance		
700 mm	-		RANCH B 219/700		
	-		RANCH B 219/700 - RAL		
	-		RANCH B 219/700 I		
	-		RANCH B 219/700 L		
	-		RANCH B 219/700 L - RAL		
-	RANCH B 219/700 LI				
800 mm	-	RANCH C 275/800CN L	High breakage resistance		
	-	RANCH C 275/800CN L - RAL	High breakage resistance		
	-	RANCH C 275/800CN LI	High breakage resistance		
manual bollards					
625 mm	114 mm	-	RANCH R Ø115-625 DISS. RIBALT.		

Installation guide

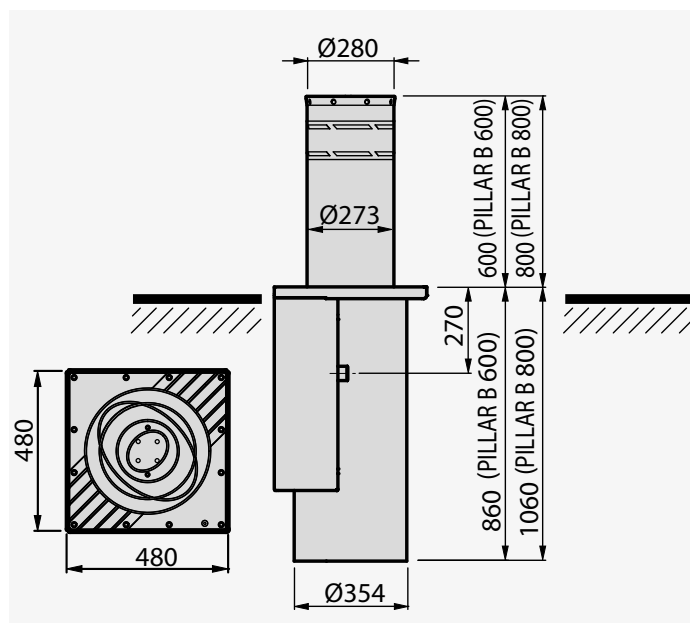


A	Operator
B	Control unit
D	Receiver
N	Junction box
R	Magnetic loop detector
—	2x1.5
—	3x1.5
—	RG 58
—	2x1
—	13x1



Anti-terrorist hydraulic bollard with incorporated hydraulic control unit. Suitable for protecting sensitive sites, thanks to the special "SD" version, which keeps the shaft raised in case of a power failure and with public installations where, in the standard version, the shaft lowers automatically with no power.

Dimension (mm)



Technical features

	PILLAR B 275/600.6C L	PILLAR B 275/600.6C L - RAL	PILLAR B 275/600.6C LI	PILLAR B 275/600.6C L SD	PILLAR B 275/600.6C L SD - RAL	PILLAR B 275/600.6C LI SD
Control unit	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD
Power supply	230 V	230 V	230 V	230 V	230 V	230 V
Opening or closing time	5 s	5 s	5 s	5 s	5 s	5 s
Rod height	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm
Rod thickness	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm
Rod diameter	273 mm	273 mm	273 mm	273 mm	273 mm	273 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Slowdown	no	no	no	no	no	no
Impact resistance	20000 J	20000 J	20000 J	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J	250000 J	250000 J	250000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	Release key	Release key	Release key
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

Code	Name	Description
P970092 00001	PILLAR B 275/600.6C L	230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft automatically lowers in case of a power failure. Painted steel version, RAL 7015. Foundation box included. Cap with lights.
P970092 00101	PILLAR B 275/600.6C L - RAL	230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft automatically lowers in case of a power failure. RAL colour to order. Foundation box included. Cap with lights.
P970092 00002	PILLAR B 275/600.6C LI	Hydraulic bollard 230 V, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft automatically lowers in case of a power failure. Stainless steel version. Cap with lights, stainless steel version.
P970092 00003	PILLAR B 275/600.6C L SD	Hydraulic bollard 230 V, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. RAL 7015 painted steel version. Security & Device version.
P970092 00103	PILLAR B 275/600.6C L SD - RAL	230 V hydraulic bollard, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft remains in the raised position in case of a power failure. Painted steel version, RAL colour to order. Foundation box included. Security & Device version.
P970092 00004	PILLAR B 275/600.6C LI SD	Hydraulic bollard 230 V, shaft height 600 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. Stainless steel version. Security & Device version.

PERSEO CBE 230.P SD: Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)



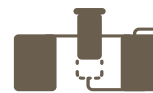
D113812 00002 - PERSEO CBE 230.P SD - Recommended



- Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (or max. 2 XPASS B 330/1200)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

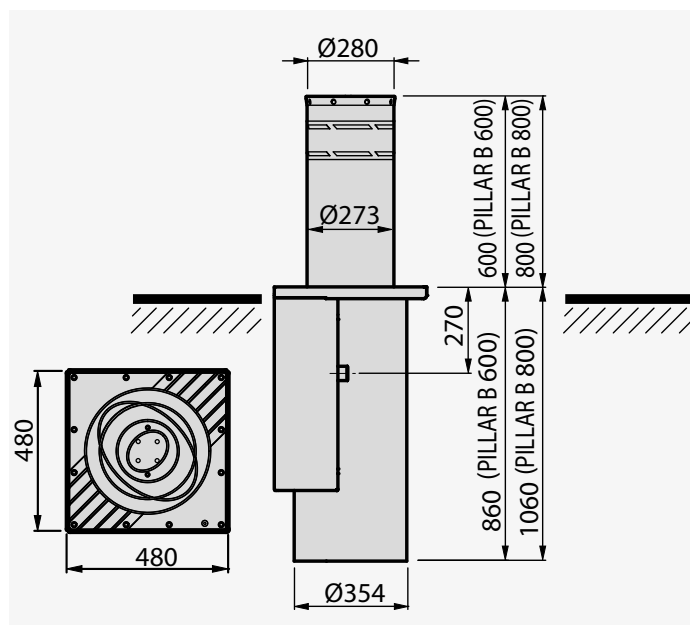
RECOMMENDED ACCESSORIES

	P800116 - TOTEM UNIT		new P800116 00102 - TOTEM UNIT - RAL
	Base module for TOTEM, can be used for both lower and upper units.		Base module for TOTEM, can be used for both lower and upper units. RAL colour as requested.
	P800117 - TLIGHTS		P800117 00102 - TLIGHTS - RAL
	Traffic lights and top covering for totem		Traffic lights and upper cover for totem unit. RAL colour to order
	P800102 - PILLAR ALARM		P800040 - TPF
	Magnetic anti-theft kit for PILLAR B hydraulic bollards. To be requested when ordering		Foundation and anchor plate for totem
	P800108 - TCAP		P800108 00102 - TCAP - RAL
	Top covering without lights for elements of Totem.		Top covering without lights for elements of Totem. RAL colour as requested.
	D113705 - ACOUSTIC DETECTOR		P111001 00003 - RME 2
	Adjustable acoustic detector for sirens		230 V dual channel metal object detector with installation base
	D110926 00001 - SPIRA 2X1		P800114 - BOLLARD CABLE EXT25
	Magnetic loop 2 x 1 m		Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)
	P800115 - BOLLARD CABLE EXT50		
	Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)		



Anti-terrorist hydraulic bollard with incorporated hydraulic control unit. Suitable for protecting sensitive sites, thanks to the special "SD" version, which keeps the shaft raised in case of a power failure and with public installations where, in the standard version, the shaft lowers automatically with no power.

Dimension (mm)

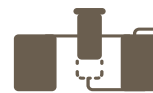


Technical features

	PILLAR B 275/800.6C L	PILLAR B 275/800.6C L - RAL	PILLAR B 275/800.6C LI	PILLAR B 275/800.6C L SD	PILLAR B 275/800.6C L SD - RAL	PILLAR B 275/800.6C LI SD
Control unit	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD
Power supply	230 V	230 V	230 V	230 V	230 V	230 V
Opening or closing time	6,50 s	6,50 s	6,50 s	6,50 s	6,50 s	6,50 s
Rod height	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm
Rod thickness	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm
Rod diameter	273 mm	273 mm	273 mm	273 mm	273 mm	273 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Slowdown	no	no	no	no	no	no
Impact resistance	20000 J	20000 J	20000 J	20000 J	20000 J	20000 J
Break-in proof	250000 J	250000 J	250000 J	250000 J	250000 J	250000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	Release key	Release key	Release key
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

	PILLAR B 275/800.10C L	PILLAR B 275/800.10C L - RAL	PILLAR B 275/800.10C LI	PILLAR B 275/800.10C L SD	PILLAR B 275/800.10C L SD - RAL	PILLAR B 275/800.10C LI SD
Control unit	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD
Power supply	230 V	230 V	230 V	230 V	230 V	230 V
Opening or closing time	6,50 s	6,50 s	6,50 s	6,50 s	6,50 s	6,50 s
Rod height	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm
Rod thickness	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
Rod diameter	273 mm	273 mm	273 mm	273 mm	273 mm	273 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Slowdown	no	no	no	no	no	no
Impact resistance	20000 J	20000 J	20000 J	20000 J	20000 J	20000 J
Break-in proof	667000 J	667000 J	667000 J	667000 J	667000 J	667000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	Release key	Release key	Release key
Frequency of use	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg	3000 Op/gg
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

Code	Name	Description
P970093 00001	PILLAR B 275/800.6C L	230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft automatically lowers in case of a power failure. Painted steel version, RAL 7015. Foundation box included. Cap with lights.
P970093 00101	PILLAR B 275/800.6C L - RAL	230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft automatically lowers in case of a power failure. Painted steel version, RAL colour to order. Foundation box included. Cap with lights.
P970093 00002	PILLAR B 275/800.6C LI	Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft automatically lowers in case of a power failure. Stainless steel version. Cap with lights, stainless steel version.
P970093 00003	PILLAR B 275/800.6C L SD	Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. RAL 7015 painted steel version. Security & Device version.
P970093 00103	PILLAR B 275/800.6C L SD - RAL	230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft remains in the raised position in case of a power failure. Painted steel version, RAL colour to order. Foundation box included. Security & Device version.
P970093 00004	PILLAR B 275/800.6C LI SD	Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. Stainless steel version. Security & Device version.
P970106 00001	PILLAR B 275/800.10C L	230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft automatically lowers in case of a power failure. Painted steel version, RAL 7015. Foundation box included. Cap with lights.
P970106 00101	PILLAR B 275/800.10C L - RAL	230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft automatically lowers in case of a power failure. Painted steel version, RAL 7015. Foundation box included. Cap with lights.
P970106 00002	PILLAR B 275/800.10C LI	Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft automatically lowers in case of a power failure. Stainless steel version. Cap with lights, stainless steel version.
P970106 00003	PILLAR B 275/800.10C L SD	Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. RAL 7015 painted steel version. Security & Device version.
P970106 00103	PILLAR B 275/800.10C L SD - RAL	230 V hydraulic bollard, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm, approved. The shaft remains in the raised position in case of a power failure. Painted steel version, RAL colour to order. Foundation box included. Security & Device version.
P970106 00004	PILLAR B 275/800.10C LI SD	Hydraulic bollard 230 V, shaft height 800 mm and diameter 273 mm. LED light cap and H adhesive strip: 100 mm approved. The shaft stays raised in case of a power failure. Stainless steel version. Security & Device version.



PERSEO CBE 230.P SD: Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)



D113812 00002 - PERSEO CBE 230.P SD - Recommended




- Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (or max. 2 XPASS B 330/1200)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES


	<p>P800116 - TOTEM UNIT</p> <p>Base module for TOTEM, can be used for both lower and upper units.</p>		<p>P800116 00102 - TOTEM UNIT - RAL</p> <p>Base module for TOTEM, can be used for both lower and upper units. RAL colour as requested.</p>
	<p>P800117 - TLIGHTS</p> <p>Traffic lights and top covering for totem</p>		<p>P800102 - PILLAR ALARM</p> <p>Magnetic anti-theft kit for PILLAR B hydraulic bollards. To be requested when ordering</p>
	<p>P800040 - TPF</p> <p>Foundation and anchor plate for totem</p>		<p>P800108 - TCAP</p> <p>Top covering without lights for elements of Totem.</p>
	<p>P800108 00102 - TCAP - RAL</p> <p>Top covering without lights for elements of Totem. RAL colour as requested.</p>		<p>D113705 - ACOUSTIC DETECTOR</p> <p>Adjustable acoustic detector for sirens</p>
	<p>P111001 00003 - RME 2</p> <p>230 V dual channel metal object detector with installation base</p>		<p>D110926 00001 - SPIRA 2X1</p> <p>Magnetic loop 2 x 1 m</p>
	<p>P800114 - BOLLARD CABLE EXT25</p> <p>Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)</p>		<p>P800115 - BOLLARD CABLE EXT50</p> <p>Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)</p>



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

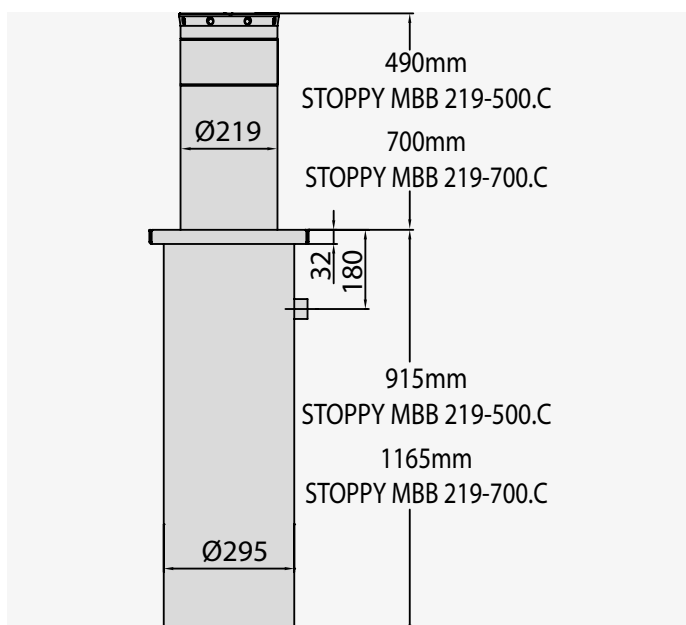
accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



Complete range of automatic electromechanical retractable bollards for the protection and safety of all areas that require controlled access. Rod height 500 and 700mm. Ideal for contexts of particular architectural interest, guaranteeing maximum reliability over time and requiring minimal maintenance.

Dimension (mm)



Technical features

	STOPPY MBB KIT 219/500.C 230 C	STOPPY MBB KIT 219/500.C 230 L C - RAL	STOPPY MBB KIT 219/500.C 230 L C	STOPPY MBB KIT 219/500.C 230 L C - RAL	STOPPY MBB KIT 219/500.C 230 LI C	STOPPY MBB KIT 219/700.C 230 C
Control unit	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD
Power supply system	230 V	230 V	230 V	230 V	230 V	230 V
Power consumption	300 W	300 W	300 W	300 W	300 W	300 W
Opening or closing time	5 s	5 s	5 s	5 s	5 s	9 s
Rod height	490 mm	490 mm	490 mm	490 mm	490 mm	700 mm
Rod diameter	219 mm	219 mm	219 mm	219 mm	219 mm	219 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Slowdown	Yes	Yes	Yes	Yes	Yes	Yes
Impact resistance	10500 J	10500 J	10500 J	10500 J	10500 J	10500 J
Break-in proof	150000 J	150000 J	150000 J	150000 J	150000 J	150000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

	STOPPY MBB KIT 219/700.C 230 C - RAL	STOPPY MBB KIT 219/700.C 230 L C	STOPPY MBB KIT 219/700.C 230 L C - RAL	STOPPY MBB KIT 219/700.C 230 LI C
Control unit	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD	PERSEO CBE 230.P SD
Power supply system	230 V	230 V	230 V	230 V
Power consumption	300 W	300 W	300 W	300 W
Opening or closing time	9 s	9 s	9 s	9 s
Rod height	700 mm	700 mm	700 mm	700 mm
Rod diameter	219 mm	219 mm	219 mm	219 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Slowdown	Yes	Yes	Yes	Yes
Impact resistance	10500 J	10500 J	10500 J	10500 J
Break-in proof	150000 J	150000 J	150000 J	150000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

Code	Name	Description
R950008 00002	STOPPY MBB KIT 219/500.C 230 C	Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. Painted stainless steel version, RAL 7015.
R950008 00102	STOPPY MBB KIT 219/500.C 230 C - RAL	Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. RAL colour as requested.
R950008 00003	STOPPY MBB KIT 219/500.C 230 L C	Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. Cap with integrated lights and buzzer. Painted stainless steel version, RAL 7015.
R950008 00103	STOPPY MBB KIT 219/500.C 230 L C - RAL	Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. Cap with integrated lights and buzzer. RAL colour as requested.
R950008 00004	STOPPY MBB KIT 219/500.C 230 LI C	Electromechanical bollard with foundation box, with shaft height 490 mm and diameter 219 mm. Impact resistance 10500 J. Cap with integrated lights and buzzer. Stainless steel version
R950009 00002	STOPPY MBB KIT 219/700.C 230 C	Electromechanical bollard with foundation box, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. Painted stainless steel version, RAL 7015.
R950009 00102	STOPPY MBB KIT 219/700.C 230 C - RAL	Electromechanical bollard with foundation box, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. RAL colour as requested.
R950009 00003	STOPPY MBB KIT 219/700.C 230 L C	Electromechanical bollard with foundation box, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. Cap with integrated lights and buzzer. Painted stainless steel version, RAL 7015.
R950009 00103	STOPPY MBB KIT 219/700.C 230 L C - RAL	Electromechanical bollard with foundation box, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. Cap with integrated lights and buzzer. RAL colour as requested.
R950009 00004	STOPPY MBB KIT 219/700.C 230 LI C	Electromechanical bollard with foundation box, with shaft height 700 mm and diameter 219 mm. Impact resistance 10500 J. Cap with integrated lights and buzzer. Stainless steel version

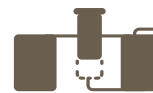
PERSEO CBE 230.P SD: Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)









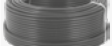







D113812 00002 - PERSEO CBE 230.P SD - Recommended



- Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (or max. 2 XPASS B 330/1200)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.




RECOMMENDED ACCESSORIES

	<p>P800116 - TOTEM UNIT</p> <p>Base module for TOTEM, can be used for both lower and upper units.</p>		<p>new P800116 00102 - TOTEM UNIT - RAL</p> <p>Base module for TOTEM, can be used for both lower and upper units. RAL colour as requested.</p>
	<p>P800117 - TLIGHTS</p> <p>Traffic lights and top covering for totem</p>		<p>P800117 00102 - TLIGHTS - RAL</p> <p>Traffic lights and upper cover for totem unit. RAL colour to order</p>
	<p>P800075 - STOPPY ALARM</p> <p>Anti-theft kit: to be ordered separately, assembled during production</p>		<p>P800114 - BOLLARD CABLE EXT25</p> <p>Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)</p>
	<p>P800115 - BOLLARD CABLE EXT50</p> <p>Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)</p>		<p>P975005 - BATT-EB</p> <p>Backup battery kit to allow bollards to stay up in case of no power</p>
	<p>P800040 - TPF</p> <p>Foundation and anchor plate for totem</p>		<p>P800108 - TCAP</p> <p>Top covering without lights for elements of Totem.</p>
	<p>P800108 00102 - TCAP - RAL</p> <p>Top covering without lights for elements of Totem. RAL colour as requested.</p>		<p>D113705 - ACOUSTIC DETECTOR</p> <p>Adjustable acoustic detector for sirens</p>
	<p>P111001 00003 - RME 2</p> <p>230 V dual channel metal object detector with installation base</p>		<p>D110926 00001 - SPIRA 2X1</p> <p>Magnetic loop 2 x 1 m</p>



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

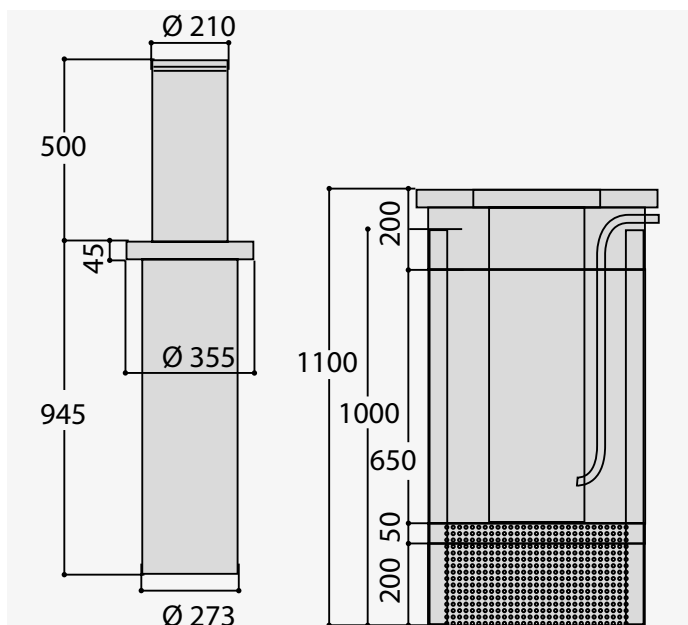
- accessories for control units
- set of batteries for control units
- expansion boards
- software
- receivers
- transmitters
- control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



Type approved automatic rising bollard - protection and security for restricted access areas.
Ideal for heritage site installations, guarantees outstanding reliability, low maintenance.

Dimension (mm)



Technical features

	STOPPY H O	STOPPY H O LI	STOPPY H O RAL	STOPPY O	STOPPY O RAL
Control unit	PERSEO O	PERSEO O	PERSEO O	PERSEO O	PERSEO O
Power supply	230 V	230 V	230 V	230 V	230 V
Power consumption	270 W	270 W	270 W	270 W	270 W
Opening or closing time	9 s	9 s	9 s	6 s	6 s
Rod height	700 mm	700 mm	700 mm	500 mm	500 mm
Rod diameter	210 mm	210 mm	220 mm	210 mm	220 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Slowdown	Yes	Yes	Yes	Yes	Yes
Impact resistance	10500 J	100000 J	100000 J	10500 J	100000 J
Break-in proof	230000 J	230000 J	230000 J	230000 J	230000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive
Protection rating	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

Code	Name	Description
P970045 00007	STOPPY H O	Approved automatic retractable bollard Approved electromechanical bollard with shaft height 700 mm and diameter 210 mm. Impact resistant 10500 J. Cap with incorporated lights and buzzer. Foundation box included. Ministry of transport type-approved
P970045 00008	STOPPY H O LI	Approved automatic retractable bollard 230 V electromechanical bollard with foundation box, stainless steel (AISI 304) shaft, height 700 mm and diameter 210 mm approved by the Italian Ministero dei Trasporti (MIT). Impact resistance 100000 J. Cap with integrated lights and buzzer. Ministry of transport type-approved
P970045 00107	STOPPY H O RAL	Approved automatic retractable bollard Electromechanical bollard with foundation box, stainless steel (AISI 304) shaft, height 700 mm and diameter 220 mm approved by the Italian Ministero dei Trasporti (MIT). Impact resistance 100000 J. Cap with integrated lights and buzzer. RAL colour to order. Ministry of transport type-approved
P970034 00002	STOPPY O	Approved automatic retractable bollard Approved electromechanical bollard with shaft height 500 mm and diameter 210 mm. Impact resistant 10500 J. Cap with incorporated lights and buzzer. Foundation box included. Ministry of transport type-approved
P970034 00102	STOPPY O RAL	Approved automatic retractable bollard 230 V electromechanical bollard with foundation box, stainless steel (AISI 304) shaft, height 500 mm and diameter 220 mm approved by the Italian Ministero dei Trasporti (MIT). Impact resistance 100000 J. Cap with integrated lights and buzzer. RAL colour to order. Ministry of transport type-approved

PERSEO O: Control panel for Stoppy O for 1 to 4 actuators. Receiver not included

D113653 00007 - PERSEO O - Recommended



- Control panel for Stoppy O for 1 to 4 actuators. Receiver not included
- Card power supply: 230 V single-phase
- Operators power supply: 230V single-phase 350W max each operator
- Main features: removable terminal blocks, adjustment controlled by potentiometers and fault signalling LEDs
- Main functions: automatic re-closing, separate opening and closing, preflashing, opening authorisation, warning lights mode setting

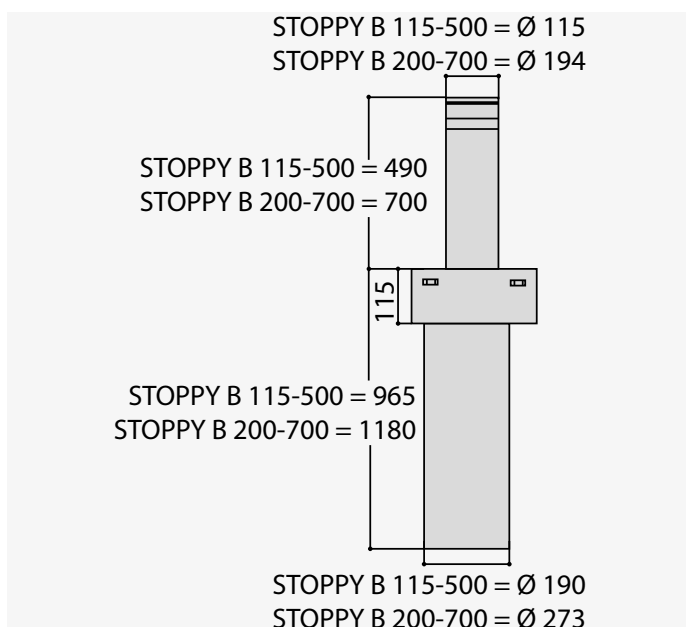
RECOMMENDED ACCESSORIES

	P800116 - TOTEM UNIT		P800116 00102 - TOTEM UNIT - RAL
	Base module for TOTEM, can be used for both lower and upper units.		Base module for TOTEM, can be used for both lower and upper units. RAL colour as requested.
	P800117 - TLIGHTS		P800117 00102 - TLIGHTS - RAL
	Traffic lights and top covering for totem		Traffic lights and upper cover for totem unit. RAL colour to order
	P800108 - TCAP		P800108 00102 - TCAP - RAL
	Top covering without lights for elements of Totem.		Top covering without lights for elements of Totem. RAL colour as requested.
	P800040 - TPF		D113705 - ACOUSTIC DETECTOR
	Foundation and anchor plate for totem		Adjustable acoustic detector for sirens
	P111001 00003 - RME 2		D110926 00001 - SPIRA 2X1
	230 V dual channel metal object detector with installation base		Magnetic loop 2 x 1 m
	P975005 - BATT-EB		P800114 - BOLLARD CABLE EXT25
	Backup battery kit to allow bollards to stay up in case of no power		Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)
	P800115 - BOLLARD CABLE EXT50		
	Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)		



Complete range of automatic electromechanical retractable bollards for the protection and safety of all areas that require controlled access. Shaft height 500 and 700mm. Ideal for collective use.

Dimension (mm)



Technical features

	STOPPY B 115/500	STOPPY B 115/500 - RAL	STOPPY B 200/700	STOPPY B 200/700 - RAL
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE
Power supply	230 V	230 V	230 V	230 V
Power consumption	300 W	300 W	300 W	300 W
Opening or closing time	6 s	6 s	9 s	9 s
Rod height	490 mm	490 mm	700 mm	700 mm
Rod diameter	114 mm	114 mm	194 mm	194 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Slowdown	Yes	Yes	Yes	Yes
Impact resistance	6000 J	6000 J	6000 J	6000 J
Break-in proof	60000 J	60000 J	110000 J	110000 J
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage
Frequency of use	Semi intensive	Semi intensive	Semi intensive	Semi intensive
Protection rating	IP67	IP67	IP67	IP67
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C

Code	Name	Description
P970088 00001	STOPPY B 115/500	Electromechanical bollard 230 V with shaft diameter 114 mm and height 490 mm. Impact resistance 6000 J. Slowdown in opening and closing
P970088 00101	STOPPY B 115/500 - RAL	Electromechanical bollard 230 V with shaft diameter 114 mm and height 490 mm. Impact resistance 6000 J. RAL colour as requested. Slowdown in opening and closing
P970089 00001	STOPPY B 200/700	Electromechanical bollard with shaft diameter 194 mm and height 700 mm. Impact resistance 6000 J. Version with LED light cap. Foundation box included
P970089 00101	STOPPY B 200/700 - RAL	Electromechanical bollard with shaft diameter 194 mm and height 700 mm. Impact resistance 6000 J. Version with LED light cap. Foundation box included RAL colour as requested.

PERSEO CBE 230.P SD: Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)



D113812 00002 - PERSEO CBE 230.P SD - Recommended



- Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (or max. 2 XPASS B 330/1200)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

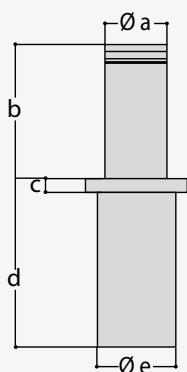
RECOMMENDED ACCESSORIES

	P800116 - TOTEM UNIT Base module for TOTEM, can be used for both lower and upper units.		P800117 - TLIGHTS Traffic lights and top covering for totem
	P975005 - BATT-EB Backup battery kit to allow bollards to stay up in case of no power		P800040 - TPF Foundation and anchor plate for totem
	P800108 - TCAP Top covering without lights for elements of Totem.		P800115 - BOLLARD CABLE EXT50 Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)
	P800114 - BOLLARD CABLE EXT25 Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)		D113705 - ACOUSTIC DETECTOR Adjustable acoustic detector for sirens
	P111001 00003 - RME 2 230 V dual channel metal object detector with installation base		D110926 00001 - SPIRA 2X1 Magnetic loop 2 x 1 m



Complete range of semi-automatic bollards operated by gas spring. They allow road access control at convenient prices and extremely easy operation. Also available with s/steel shaft and luminous cap.

Dimension (mm)



	a	b	c	d	e
DAMPY B 115/500	114	500	25	593	168
DAMPY B 219/500	219	490	32	915	295
DAMPY B 219/700	219	700	32	1165	295

Technical features

	DAMPY B 115/500	DAMPY B 115/500 - RAL	DAMPY B 115/500 I	DAMPY B 219/500	DAMPY B 219/500 - RAL	DAMPY B 219/500 I
Rod height	500 mm	490 mm	500 mm	490 mm	490 mm	490 mm
Rod thickness	4 mm	5 mm	4 mm	5 mm	5 mm	5 mm
Rod diameter	114 mm	114 mm	114 mm	219 mm	219 mm	219 mm
Rod movement	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring
Impact resistance	5000 J	5000 J	5000 J	15000 J	15000 J	15000 J
Break-in proof	30000 J	30000 J	30000 J	150000 J	150000 J	150000 J
Rod locking	With triangle key	With triangle key	With triangle key	With triangle key	With triangle key	With triangle key

	DAMPY B 219/500 L	DAMPY B 219/500 L - RAL	DAMPY B 219/500 LI	DAMPY B 219/700	DAMPY B 219/700 - RAL	DAMPY B 219/700 I
Rod height	490 mm	490 mm	490 mm	700 mm	700 mm	700 mm
Rod thickness	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Rod diameter	219 mm	219 mm	219 mm	219 mm	219 mm	219 mm
Rod movement	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring	Internal gas spring
Impact resistance	15000 J	15000 J	15000 J	15000 J	15000 J	15000 J
Break-in proof	150000 J	150000 J	150000 J	150000 J	150000 J	150000 J
Rod locking	With triangle key	With triangle key	With triangle key	With triangle key	With triangle key	With triangle key

	DAMPY B 219/700 L	DAMPY B 219/700 L - RAL	DAMPY B 219/700 LI
Rod height	700 mm	700 mm	700 mm
Rod thickness	5 mm	5 mm	5 mm
Rod diameter	219 mm	219 mm	219 mm
Rod movement	Internal gas spring	Internal gas spring	Internal gas spring
Impact resistance	15000 J	15000 J	15000 J
Break-in proof	150000 J	150000 J	150000 J
Rod locking	With triangle key	With triangle key	With triangle key

Code	Name	Description
P970083 00001	DAMPY B 115/500	Semi-automated bollard with gas spring, shaft diameter 114 mm and height 500 mm. Impact resistance 5000 J. Foundation box included. Painted stainless steel version, RAL 7015.
P970083 00101	DAMPY B 115/500 - RAL	Semi-automated bollard with gas spring, shaft diameter 114 mm and height 490 mm. Impact resistance 5000 J. Foundation box included. RAL colour as requested.
P970083 00002	DAMPY B 115/500 I	Semi-automated bollard with gas spring, shaft diameter 114 mm and height 500 mm. Impact resistance 5000 J. Stainless steel version. Foundation box included.
P970084 00001	DAMPY B 219/500	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Foundation box included. Painted stainless steel version, RAL 7015.
P970084 00101	DAMPY B 219/500 - RAL	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Foundation box included. RAL colour as requested.
P970084 00002	DAMPY B 219/500 I	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Stainless steel version. Foundation box included.
P970085 00001	DAMPY B 219/500 L	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Painted stainless steel version, RAL 7015, with LED lights in cap. Foundation box included.
P970085 00101	DAMPY B 219/500 L - RAL	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Painted stainless steel version, RAL 7015, with LED lights in cap. Foundation box included. RAL colour as requested.
P970085 00002	DAMPY B 219/500 LI	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 490 mm. Impact resistance 15000 J. Painted stainless steel version, with LED lights cap. Foundation box included.
P970086 00001	DAMPY B 219/700	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. Painted stainless steel version, RAL 7015. Foundation box included.
P970086 00101	DAMPY B 219/700 - RAL	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. Painted stainless steel version, RAL 7015. Foundation box included.
P970086 00002	DAMPY B 219/700 I	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. Stainless steel version. Foundation box included.
P970087 00001	DAMPY B 219/700 L	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. Painted stainless steel version, RAL 7015, with LED lights in cap. Foundation box included.
P970087 00101	DAMPY B 219/700 L - RAL	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. Painted stainless steel version, RAL 7015, with LED lights in cap. Foundation box included. RAL colour as requested.
P970087 00002	DAMPY B 219/700 LI	Semi-automated bollard with gas spring, shaft diameter 219 mm and height 700 mm. Impact resistance 15000 J. Painted stainless steel version, with LED lights cap. Foundation box included.

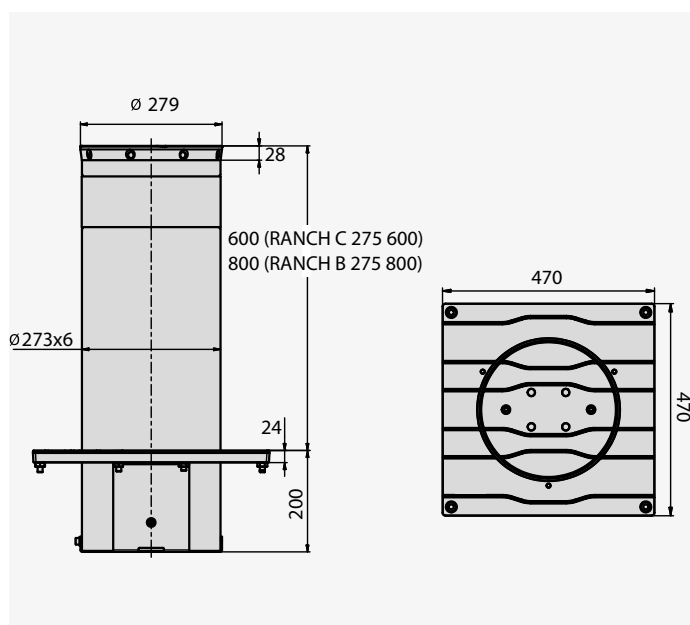
RECOMMENDED ACCESSORIES

	P800104 - ALLU				
	Power supply for fixed Ranch E bollards				



Fixed bollards used for preventing access for long periods. Bolted to the ground, their purpose is to block an access point or a road. They can integrate the use of automatic or semi-automatic bollards.

Dimension (mm)



Technical features

	RANCH C 275/600CN	RANCH C 275/600CN - RAL	RANCH C 275/600CN L	RANCH C 275/600CN L - RAL	RANCH C 275/600CN I	RANCH C 275/600CN LI
Operator type	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards
Rod height	600 mm	600 mm	600 mm	600 mm	600 mm	600 mm
Rod thickness	6 mm	6 mm	6 mm	6 mm	6 mm	6 mm
Rod diameter	273 mm	273 mm	273 mm	273 mm	273 mm	273 mm
Rod treatment	RAL 7015 painted steel	RAL 7015 painted steel	RAL 7015 painted steel	RAL 7015 painted steel	brushed AISI 316 stainless steel and reflective film	brushed AISI 316 stainless steel and reflective film
Rod fixing	3 bolts	3 bolts	3 bolts	3 bolts	3 bolts	3 bolts

	RANCH C 275/800CN L	RANCH C 275/800CN L - RAL	RANCH C 275/800CN LI
Operator type	Fixed bollards	Fixed bollards	Fixed bollards
Rod height	800 mm	800 mm	800 mm
Rod thickness	6 mm	6 mm	6 mm
Rod diameter	273 mm	273 mm	273 mm
Rod treatment	RAL 7015 painted steel	RAL 7015 painted steel	brushed AISI 316 stainless steel and reflective film
Rod fixing	3 bolts	3 bolts	3 bolts



Code	Name	Description
P970102 00001	RANCH C 275/600CN	Fixed bollard used for long-term access prevention. Height 600 mm and diameter 273 mm. Version without lights and stainless steel painted shaft, RAL 7015. Flange not included High breakage resistance
P970102 00101	RANCH C 275/600CN - RAL	Fixed bollard used for long-term access prevention. Height 600 mm and diameter 273 mm. Version without lights and painted steel shaft. RAL colour to order. Flange not included. High breakage resistance
P970102 00002	RANCH C 275/600CN L	Fixed bollard used for long-term access prevention. Height 600 mm and diameter 273 mm. Version with lights and painted steel shaft, RAL 7015. Flange not included Painted steel High breakage resistance
P970102 00102	RANCH C 275/600CN L - RAL	Fixed bollard used for long-term access prevention. Height 600 mm and diameter 273 mm. Version with lights and painted steel shaft. RAL colour to order. Flange not included High breakage resistance
P970102 00003	RANCH C 275/600CN I	Fixed bollard used for long-term access prevention. Height 600 mm and diameter 273 mm. Version without lights and stainless steel shaft. Flange not included. Stainless steel High breakage resistance
P970102 00004	RANCH C 275/600CN LI	Fixed bollard used for long-term access prevention. Height 600 mm and diameter 273 mm. Version with lights and stainless steel shaft. Flange not included. High breakage resistance
P970103 00002	RANCH C 275/800CN L	Fixed bollard used for long-term access prevention. Height 800 mm and diameter 273 mm. Version with lights and painted steel shaft, RAL 7015. Flange not included High breakage resistance
P970103 00102	RANCH C 275/800CN L - RAL	Fixed bollard used for long-term access prevention. Height 800 mm and diameter 273 mm. Version with lights and painted steel shaft. RAL colour to order. Flange not included. High breakage resistance
P970103 00004	RANCH C 275/800CN LI	Fixed bollard used for long-term access prevention. Height 800 mm and diameter 273 mm. Version with lights and stainless steel shaft. Flange not included. High breakage resistance

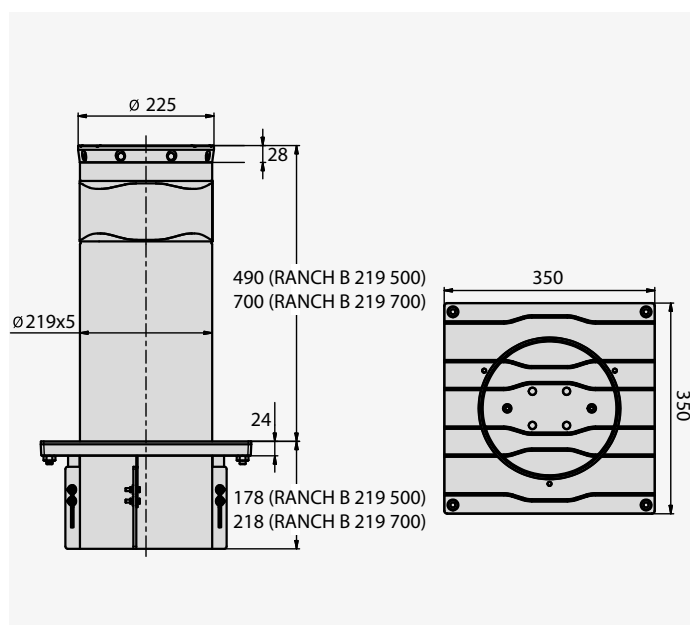
RECOMMENDED ACCESSORIES

	P800104 - ALLU		P800109 - FLANGE RANCH C
	Power supply for fixed Ranch E bollards		Flange for Ranch C



Fixed bollards used for preventing access for long periods. Bolted to the ground, their purpose is to block an access point or a road. They can integrate the use of automatic or semi-automatic bollards.

Dimension (mm)



Technical features

	RANCH B 219/500	RANCH B 219/500 - RAL	RANCH B 219/500 I	RANCH B 219/500 L	RANCH B 219/500 L - RAL	RANCH B 219/500 LI
Operator type	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards
Rod height	490 mm	490 mm	490 mm	490 mm	490 mm	490 mm
Rod diameter	219 mm	219 mm	219 mm	219 mm	219 mm	219 mm
Rod thickness	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Rod treatment	Cataphoresis	Cataphoresis	Stainless steel	Cataphoresis	Cataphoresis	Stainless steel
Rod fixing	3 bolts	3 bolts	3 bolts	3 bolts	3 bolts	3 bolts

	RANCH B 219/700	RANCH B 219/700 - RAL	RANCH B 219/700 I	RANCH B 219/700 L	RANCH B 219/700 L - RAL	RANCH B 219/700 LI
Operator type	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards
Rod height	700 mm	700 mm	700 mm	700 mm	700 mm	700 mm
Rod diameter	219 mm	219 mm	219 mm	219 mm	219 mm	219 mm
Rod thickness	5 mm	5 mm	5 mm	5 mm	5 mm	5 mm
Rod treatment	Cataphoresis	Cataphoresis	Stainless steel	Cataphoresis	Cataphoresis	Stainless steel
Rod fixing	3 bolts	3 bolts	3 bolts	3 bolts	3 bolts	3 bolts

Code	Name	Description
P970081 00001	RANCH B 219/500	Fixed bollard, shaft diameter 219 mm and height 490 mm. Painted stainless steel version, RAL 7015
P970081 00101	RANCH B 219/500 - RAL	Fixed bollard, shaft diameter 219 mm and height 490 mm. Painted steel version. RAL colour to order
P970081 00003	RANCH B 219/500 I	Fixed bollard, shaft diameter 219 mm and height 490 mm. Stainless steel version
P970081 00002	RANCH B 219/500 L	Fixed bollard, shaft diameter 219 mm and height 490 mm. Painted steel version, RAL 7015, with LED lights cap
P970081 00102	RANCH B 219/500 L - RAL	Fixed bollard, shaft diameter 219 mm and height 490 mm. Painted steel version, with LED lights cap. RAL colour to order
P970081 00004	RANCH B 219/500 LI	Fixed bollard, shaft diameter 219 mm and height 490 mm. Stainless steel version, with LED lights cap
P970082 00001	RANCH B 219/700	Fixed bollard, shaft diameter 219 mm and height 700 mm. Painted stainless steel version, RAL 7015
P970082 00101	RANCH B 219/700 - RAL	Fixed bollard, shaft diameter 219 mm and height 700 mm. Painted steel version. RAL colour to order
P970082 00003	RANCH B 219/700 I	Fixed bollard, shaft diameter 219 mm and height 700 mm. Stainless steel version
P970082 00002	RANCH B 219/700 L	Fixed bollard, shaft diameter 219 mm and height 700 mm. Painted steel version, RAL 7015, with LED lights cap
P970082 00102	RANCH B 219/700 L - RAL	Fixed bollard, shaft diameter 219 mm and height 700 mm. Painted steel version, with LED lights cap. RAL colour to order.
P970082 00004	RANCH B 219/700 LI	Fixed bollard, shaft diameter 219 mm and height 700 mm. Stainless steel version, with LED lights cap

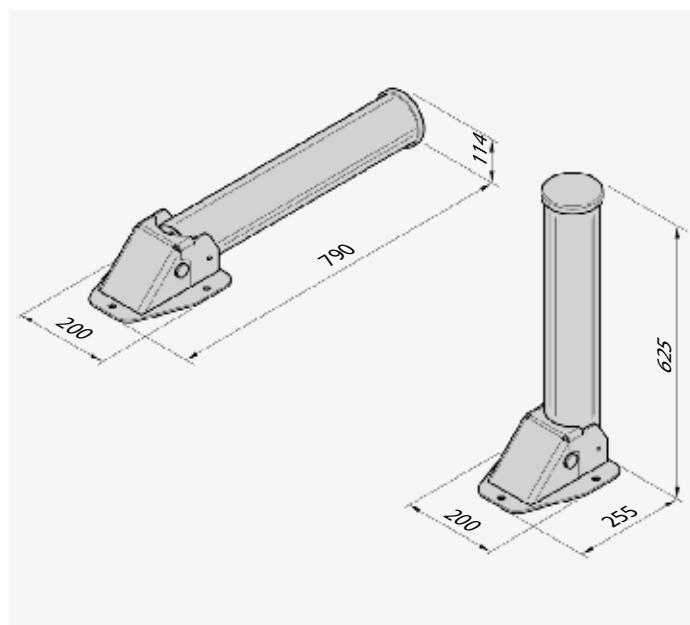
RECOMMENDED ACCESSORIES

	P800104 - ALLU				
	Power supply for fixed Ranch E bollards				



Tilting manual bollard for parking space saver application.

Dimension (mm)




Technical features

	RANCH R Ø115-625 DISS. RIBALT.	
Operator type	manual bollards	
Rod height	625 mm	
Rod diameter	114 mm	

Code	Name	Description
P970101	RANCH R Ø115-625 DISS. RIBALT.	Manual fold down bollard with shaft diameter 114 mm and height 625 mm.



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		

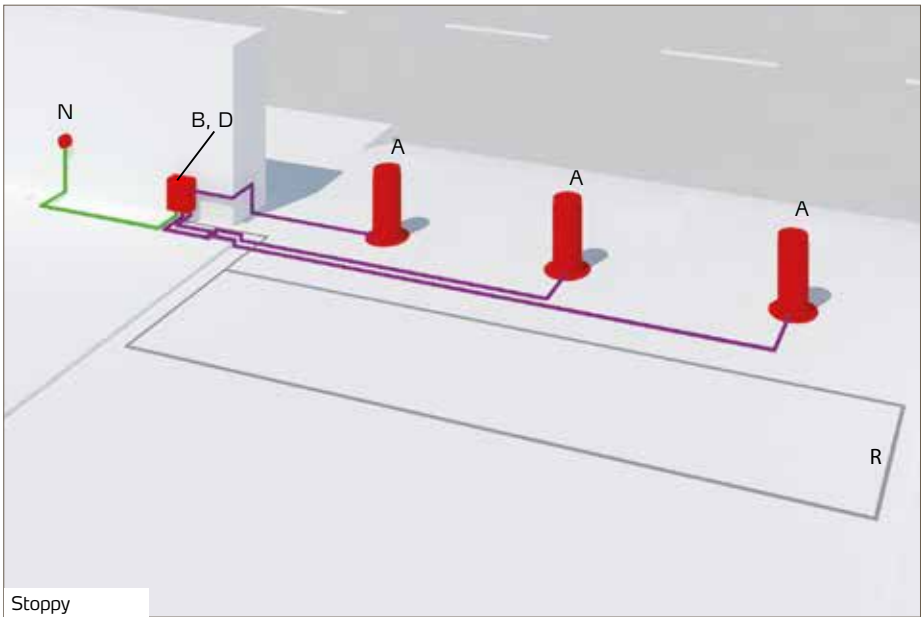


Anti-Terrorism bollards

Guide to choosing

Rod height	Rod diameter	Break-in proof	Kit	Operator	Plus
hydraulic bollards					
800 mm	273 mm	800000 J	-	XPASS B 275/800C L	
			-	XPASS B 275/800C L - RAL	
			-	XPASS B 275/800C LI	
			-	XPASS B 275/800C L SD	Security & Device version.
			-	XPASS B 275/800C L SD-RAL	Security & Device version.
			-	XPASS B 275/800C LI SD	Security & Device version.
1200 mm	330 mm	2100000 J	-	XPASS B 330/1200 BODY L	Maximum breakage resistance Anti-terrorism certification
			-	XPASS B 330/1200 BODY L-RAL	Maximum breakage resistance Anti-terrorism certification
			-	XPASS B 330/1200 BODY LI	Stainless steel version. Maximum breakage resistance Anti-terrorism certification
			-	XPASS B 330/1200 HYDR. UNIT	
			-	XPASS B 330/1200 HYDR. UNIT 60Hz	
			-	XPASS B 330/1200 HYDR. UNIT + EFO	
			-	XPASS B 330/1200 HYDR. UNIT + EFO 60Hz	
Fixed bollards					
800 mm	273 mm	800000 J	-	RANCH D 275/800CN L	
			-	RANCH D 275/800CN L - RAL	
			-	RANCH D 275/800CN	Cap with lights.
			-	RANCH D 275/800C LI	

Installation guide



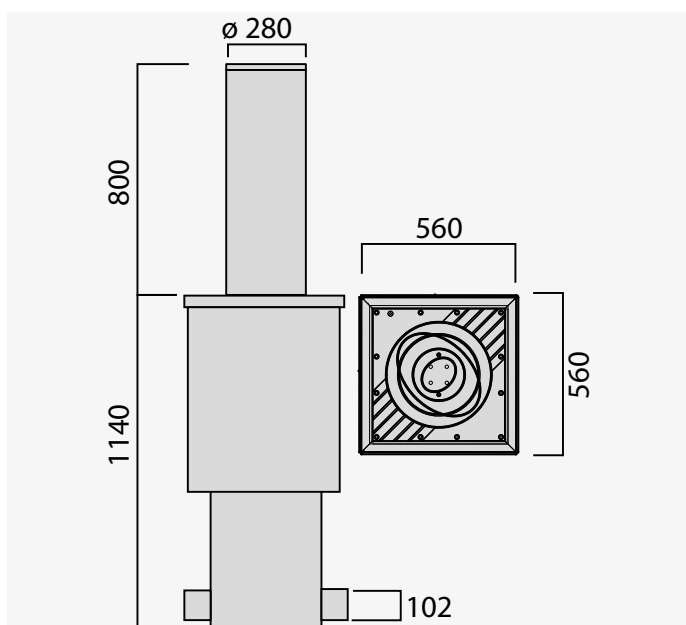
A	Operator
B	Control unit
D	Receiver
N	Junction box
R	Magnetic loop detector
—	2x1.5
—	3x1.5
—	RG 58
—	2x1
—	13x1



Automatic hydraulic anti-terrorism bollard, tested and certified (crash-tested) by independent body in accordance with standards IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4), with independent hydraulic control unit. Suitable for the protection of sensitive sites.

Independent side hydraulic pump for each bollard: in case of a control unit failure the other bollards remain functional, whereas maintenance operations are facilitated.

Dimension (mm)



Technical features

	XPASS B 275/800C L	XPASS B 275/800C L - RAL	XPASS B 275/800C LI	XPASS B 275/800C L SD	XPASS B 275/800C L SD-RAL	XPASS B 275/800C LI SD
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE
Power supply	230 V	230 V	230 V	230 V	230 V	230 V
Rod height	800 mm	800 mm	800 mm	800 mm	800 mm	800 mm
Rod thickness	10 mm	10 mm	10 mm	10 mm	10 mm	10 mm
Rod diameter	273 mm	273 mm	273 mm	273 mm	273 mm	273 mm
Rod treatment	RAL 7015 painted steel and reflective film H: 100 mm	RAL 7015 painted steel and reflective film H: 100 mm	AISI304 or AISI316 stainless steel	RAL 7015 painted steel and reflective film H: 100 mm	RAL 7015 painted steel and reflective film H: 100 mm	AISI304 or AISI316 stainless steel
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Raise time	max. 7 sec.	max. 7 sec.	max. 7 sec.	max. 7 sec.	max. 7 sec.	max. 7 sec.
Lower time	4 s	4 s	4 s	4 s	4 s	4 s
Break-in proof	800000 J	800000 J	800000 J	800000 J	800000 J	800000 J
Antiterrorism: reference standard	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2	PAS 68:2010 7500/50/N2
Manual cycle	reversible in the absence of voltage	reversible in the absence of voltage	reversible in the absence of voltage	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power
Frequency of use	2000 Op/gg	2000 Op/gg	2000 Op/gg	2000 Op/gg	2000 Op/gg	2000 Op/gg
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

Code	Name	Description
P970094 00001	XPASS B 275/800C L	Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft lowers automatically. Painted steel shaft, RAL 7015. Foundation box included
P970094 00101	XPASS B 275/800C L - RAL	Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft lowers automatically. Painted steel version. RAL colour to order. Foundation box included
P970094 00002	XPASS B 275/800C LI	Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft lowers automatically. Stainless steel shaft. Foundation box included
P970094 00003	XPASS B 275/800C L SD	Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft keeps the access closed. Painted steel shaft, RAL 7015. Foundation box included Security & Device version.
P970094 00103	XPASS B 275/800C L SD-RAL	Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft keeps the access closed. Painted steel version. RAL colour to order. Foundation box included Security & Device version.
P970094 00004	XPASS B 275/800C LI SD	Hydraulic anti-terrorism bollard K4 230 V. Shaft height 800 mm, diameter 273 mm, with LED lights cap. In the event of a power failure, the shaft keeps the access closed. Stainless steel shaft. Foundation box included Security & Device version.

PERSEO CBE 230.P SD: Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)



D113812 00002 - PERSEO CBE 230.P SD - Recommended












- Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (or max. 2 XPASS B 330/1200)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

	P800116 - TOTEM UNIT		new P800116 00102 - TOTEM UNIT - RAL
	Base module for TOTEM, can be used for both lower and upper units.		Base module for TOTEM, can be used for both lower and upper units. RAL colour as requested.
	P800117 - TLIGHTS		P800117 00102 - TLIGHTS - RAL
	Traffic lights and top covering for totem		Traffic lights and upper cover for totem unit. RAL colour to order
	P800108 - TCAP		P800108 00102 - TCAP - RAL
	Top covering without lights for elements of Totem.		Top covering without lights for elements of Totem. RAL colour as requested.
	P800040 - TPF		P800111 - MANUAL PUMP 2LT
	Foundation and anchor plate for totem		2 litre manual pump




RECOMMENDED ACCESSORIES

	<p>P800112 - TAP FOR MANUAL PUMP</p> <p>Joint for two-litre manual pump.</p>		<p>P111786 - LOOP DETECTOR PRO</p> <p>Metal object detector, 2 channels, 24 VDC/AC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management</p>
	<p>D121619 - SPC3</p> <p>Open stop close button panel.</p>		<p>P111001 00003 - RME 2</p> <p>230 V dual channel metal object detector with installation base</p>
	<p>D110926 00001 - SPIRA 2X1</p> <p>Magnetic loop 2 x 1 m</p>		<p>P800103 - XPASS 800 ALARM</p> <p>Anti-vandalism alarm for XPASS 275/800</p>
	<p>D113705 - ACOUSTIC DETECTOR</p> <p>Adjustable acoustic detector for sirens</p>		<p>P800114 - BOLLARD CABLE EXT25</p> <p>Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)</p>
	<p>P800115 - BOLLARD CABLE EXT50</p> <p>Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)</p>		



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

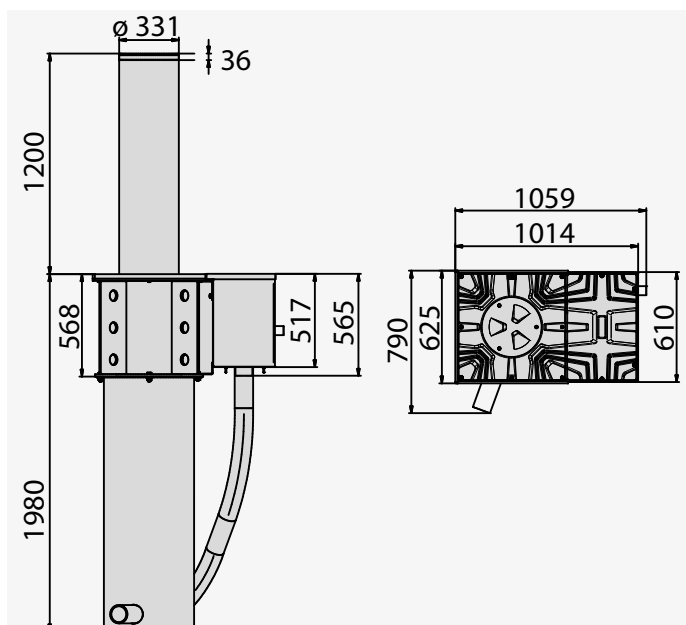
P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



Automatic hydraulic anti-terrorism bollard, tested and certified (crash-tested) by independent body in accordance with standards IWA14-1:2013 and PAS 68 (equivalent to American standards K12 and K4), with independent hydraulic control unit. Suitable for the protection of sensitive sites.

Independent side hydraulic pump for each bollard: in case of a control unit failure the other bollards remain functional, whereas maintenance operations are facilitated.

Dimension (mm)



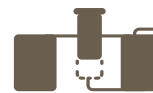
Technical features

	XPASS B 330/1200 BODY L	XPASS B 330/1200 BODY L-RAL	XPASS B 330/1200 BODY LI	XPASS B 330/1200 HYDR. UNIT	XPASS B 330/1200 HYDR. UNIT 60Hz	XPASS B 330/1200 HYDR. UNIT + EFO
Control unit	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE	PERSEO CBE
Power supply	230 V	230 V	230 V	230 V	230 V	230 V
Rod height	1200 mm	1200 mm	1200 mm	1200 mm	1200 mm	1200 mm
Rod thickness	25 mm	25 mm	25 mm	25 mm	25 mm	25 mm
Rod diameter	330 mm	330 mm	330 mm	330 mm	330 mm	330 mm
Type of limit switch	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor	REED magnetic sensor
Rod treatment	RAL 7015 painted steel and reflective film H: 100 mm	RAL 7015 painted steel and reflective film H: 100 mm	AISI304 or AISI316	RAL 7015 painted steel and reflective film H: 100 mm	RAL 7015 painted steel and reflective film H: 100 mm	AISI304 or AISI316 stainless steel
Raise time	max. 6.3 s (1.5 with HYDR. UNIT + EFO)	max. 6.3 s (1.5 with HYDR. UNIT + EFO)	max. 6.3 s (1.5 with HYDR. UNIT + EFO)	6,30 s	6,30 s	max. 6.3 s (1.5 in emergency)
Lower time	4 s	4 s	4 s	4 s	4 s	4 s
Break-in proof	2100000 J	2100000 J	2100000 J	2100000 J	2100000 J	2100000 J
Antiterrorism: reference standard	IWA14-1:2013 V/7200(N3C)/80/90 single bollard installation					

	XPASS B 330/1200 BODY L	XPASS B 330/1200 BODY L-RAL	XPASS B 330/1200 BODY LI	XPASS B 330/1200 HYDR. UNIT	XPASS B 330/1200 HYDR. UNIT 60Hz	XPASS B 330/1200 HYDR. UNIT + EFO
Manual cycle	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power	reversible by means of mechanical key with no power
Frequency of use	2000 Op/gg	2000 Op/gg	2000 Op/gg	2000 Op/gg	2000 Op/gg	2000 Op/gg
Protection rating	IP67	IP67	IP67	IP67	IP67	IP67
Environmental conditions	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C	-40 ÷ 60 °C

	XPASS B 330/1200 HYDR. UNIT + EFO 60Hz
Control unit	PERSEO CBE
Power supply	230 V
Rod height	1200 mm
Rod thickness	25 mm
Rod diameter	330 mm
Type of limit switch	REED magnetic sensor
Rod treatment	AISI304 or AISI316 stainless steel
Raise time	max. 6.3 s (1.5 in emergency)
Lower time	4 s
Break-in proof	2100000 J
Antiterrorism: reference standard	IWA14-1:2013 V/7200(N3C)/80/90 single bollard installation
Manual cycle	reversible by means of mechanical key with no power
Frequency of use	2000 Op/gg
Protection rating	IP67
Environmental conditions	-40 ÷ 60 °C

Code	Name	Description
P970105 00001	XPASS B 330/1200 BODY L	Anti-terrorism hydraulic bollard K12. Shaft height 1200 mm, diameter 330 mm and cap with LED lights. In case of a power outage the shaft does not lower spontaneously. RAL 7015 painted steel version. Hydraulic power unit not included, foundation box included Maximum breakage resistance Anti-terrorism certification
P970105 00101	XPASS B 330/1200 BODY L-RAL	Hydraulic anti-terrorism bollard K12. Shaft height 1200 mm, diameter 330 mm, with LED lights cap. In the event of a power failure, the shaft does not lower automatically. Painted steel version. Hydraulic control unit not included. RAL colour to order. Maximum breakage resistance Anti-terrorism certification
P970105 00002	XPASS B 330/1200 BODY LI	Hydraulic anti-terrorism bollard K12. Shaft height 1200 mm, diameter 330 mm and LED light cap. In the event of a power failure, the shaft does not drop spontaneously. Hydraulic control unit not included, foundation box included Stainless steel version. Maximum breakage resistance Anti-terrorism certification
D113828	XPASS B 330/1200 HYDR. UNIT	Hydraulic unit for XPASS B 330/1200 BODY L / LI without EFO device for rapid emergency raising
D114095	XPASS B 330/1200 HYDR. UNIT 60Hz	Hydraulic control unit for XPASS B 330/1200 BODY L/LI without EFO device for rapid emergency raising, 60 Hz.
D113829	XPASS B 330/1200 HYDR. UNIT + EFO	Hydraulic unit for XPASS B 330/1200 BODY L / LI with EFO device for rapid emergency raising
D114096	XPASS B 330/1200 HYDR. UNIT + EFO 60Hz	Hydraulic control unit for XPASS B 330/1200 BODY L/LI with EFO device for rapid emergency raising, 60 Hz.



PERSEO CBE 230.P SD: Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)



D113812 00002 - PERSEO CBE 230.P SD - Recommended




- Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)
- Application: Control panel for operating 1 to 4 automatic bollards, single-phase (in parallel) (or max. 2 XPASS B 330/1200)
- Board power supply: 230V single phase
- Output power: 230Vac single-phase, 12A max.
- Main features: removable terminal blocks, digital programming, 3-digit display, Proxima programmer connector, dual-channel receiver 2048 codes included, heater for operation to -40°C, complete support for anti-terrorism bollards, 11 inputs, 9 outputs.
- Main features: U-Link interconnectivity, automatic reclosing, separate open and close, pre-flashing, deadman control, automatic or semi-automatic, opening and closing limit switch management, arranged for UPS.

RECOMMENDED ACCESSORIES

	P800116 - TOTEM UNIT		P800116 00102 - TOTEM UNIT - RAL
	Base module for TOTEM, can be used for both lower and upper units.		Base module for TOTEM, can be used for both lower and upper units. RAL colour as requested.
	P800117 - TLIGHTS		P800117 00102 - TLIGHTS - RAL
	Traffic lights and top covering for totem		Traffic lights and upper cover for totem unit. RAL colour to order
	P800108 - TCAP		P800108 00102 - TCAP - RAL
	Top covering without lights for elements of Totem.		Top covering without lights for elements of Totem. RAL colour as requested.
	P800040 - TPF		P800111 - MANUAL PUMP 2LT
	Foundation and anchor plate for totem		2 litre manual pump
	P800112 - TAP FOR MANUAL PUMP		P111786 - LOOP DETECTOR PRO
	Joint for two-litre manual pump.		Metal object detector, 2 channels, 24 VDC/AC, up to 4 frequencies per channel for installation of adjacent coils, adjustable sensitivity level, boost function for increasing sensitivity, direction of travel management
	D121619 - SPC3		P111001 00003 - RME 2
	Open stop close button panel.		230 V dual channel metal object detector with installation base
	D110926 00001 - SPIRA 2X1		P800103 - XPASS 800 ALARM
	Magnetic loop 2 x 1 m		Anti-vandalism alarm for XPASS 275/800
	D113705 - ACOUSTIC DETECTOR		P800114 - BOLLARD CABLE EXT25
	Adjustable acoustic detector for sirens		Extra charge for 25 m cable for bollards (to be added to the 10 included into bollards)
	P800115 - BOLLARD CABLE EXT50		
	Extra charge for 50 m cable for bollards (to be added to the 10 included into bollards)		



-  U-Link
-  Quick Delivery
-  New
-  Phase-out



U-Control app
p. 17



Accessories
p. 278

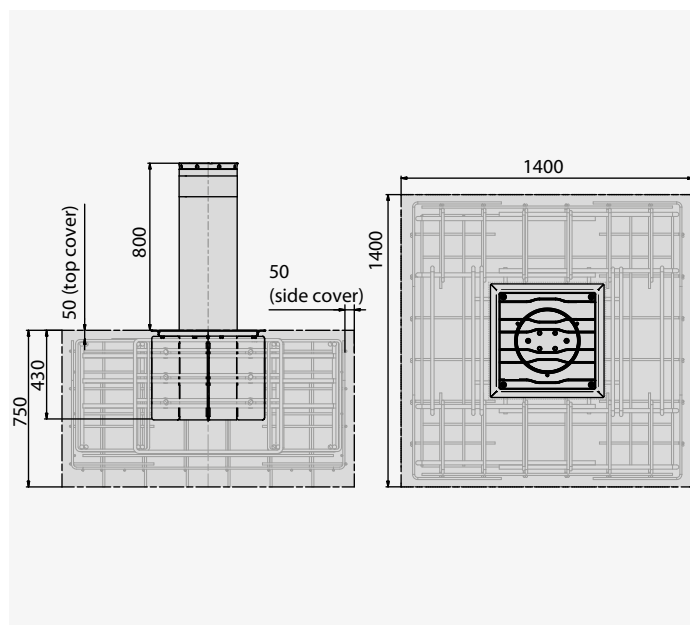
accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



Permanent anti-terrorism bollard tested according to international standards PAS 68:2010 7500/50/N2 crash simulated. Suitable for protection of sensitive sites.

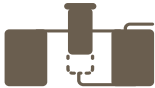
Dimension (mm)



Technical features

	RANCH D 275/800CN L	RANCH D 275/800CN L - RAL	RANCH D 275/800CN	RANCH D 275/800C LI
Operator type	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards
Rod height	800 mm	800 mm	800 mm	800 mm
Rod thickness	10 mm	10 mm	10 mm	10 mm
Rod diameter	273 mm	273 mm	273 mm	273 mm
Rod treatment	RAL 7015 painted steel and reflective film H: 100 mm	RAL 7015 painted steel and reflective film H: 100 mm	RAL 7015 painted steel and reflective film H: 100 mm	Stainless steel
Break-in proof	800000 J	800000 J	800000 J	800000 J

Code	Name	Description
P970104 00002	RANCH D 275/800CN L	Fixed anti-terrorism bollard, shaft height 800 mm and diameter 273 mm. Painted shaft version, RAL 7015. Flange not included. Cap with lights. High ramming resistance.
P970104 00102	RANCH D 275/800CN L - RAL	Fixed anti-terrorism bollard, shaft height 800 mm and diameter 273 mm. Version with painted steel shaft, RAL colour to order. Flange not included. Cap with lights. High ramming resistance.
P970104 00003	RANCH D 275/800CN	Fixed anti-terrorism bollard, shaft height 800 mm and diameter 273 mm. Painted shaft version, RAL 7015. Flange not included. Cap with lights.
P970096 00002	RANCH D 275/800C LI	Fixed anti-terrorism bollard, shaft height 800 mm and diameter 273 mm. Version with stainless steel covered shaft. Flange not included. Cap with lights. High ramming resistance.



RECOMMENDED ACCESSORIES


	P800104 - ALLU		P800110 - FLANGE RANCH D
	Power supply for fixed Ranch E bollards		Flange for Ranch E

 U-Link


 Quick Delivery

 New

 Phase-out



U-Control app
p. 17



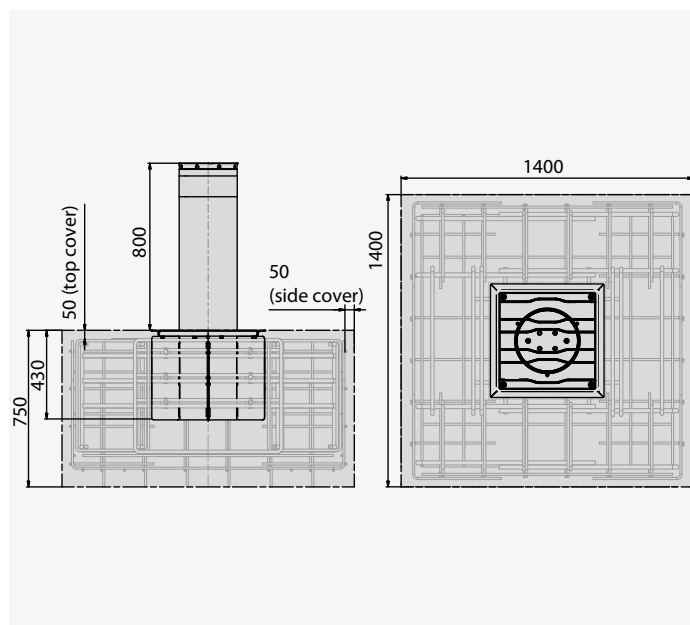
Accessories
p. 278

accessories for control units	P. 278	signalling devices	P. 283
set of batteries for control units	P. 278	safety devices - photocells and accessories	P. 283
expansion boards	P. 279	safety devices - sensitive edges	P. 285
software	P. 280	rubber profiles	P. 285
receivers	P. 280	solenoid locks	P. 286
transmitters	P. 281	release systems	P. 287
control devices	P. 281		



Permanent bollard equivalent to XPASS 330/1200. Suitable for protection of sensitive sites in addition to automatic bollards on large surfaces.

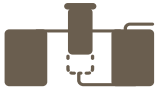
Dimension (mm)



Technical features

	RANCH E 330/1200C	RANCH E 330/1200C - RAL	RANCH E 330/1200C I	RANCH E 330/1200C LI
Operator type	Fixed bollards	Fixed bollards	Fixed bollards	Fixed bollards
Rod height	1200 mm	1200 mm	1200 mm	1200 mm
Rod thickness	14 mm	14 mm	14 mm	14 mm
Rod diameter	330 mm	330 mm	330 mm	330 mm
Rod treatment	RAL 7015 painted steel and reflective film H: 100 mm	RAL 7015 painted steel and reflective film H: 100 mm	Stainless steel	Stainless steel
Break-in proof	2100000 J	2100000 J	2100000 J	2100000 J

Code	Name	Description
P970269 00001	RANCH E 330/1200C	Fixed anti-terrorism bollard, with shaft height 1200 mm and diameter 330 mm. Version with cap without lights and RAL 7015 painted steel shaft. Flange not included High breakage resistance
P970269 00101	RANCH E 330/1200C - RAL	Fixed anti-terrorism bollard, with shaft height 1200 mm and diameter 330 mm. Version with cap without lights and RAL 7015 painted steel shaft. Flange not included High breakage resistance
P970269 00002	RANCH E 330/1200C I	Fixed anti-terrorism bollard, with shaft height 1200 mm and diameter 330 mm. Version with cap without lights and stainless steel AISI 304 tube. Flange not included High breakage resistance
P970269 00003	RANCH E 330/1200C LI	Cap with lights Cap with lights.



RECOMMENDED ACCESSORIES


	P800119 - FLANGE RANCH E Flange for Ranch E		P975069 - ALLU K12 Power supply for fixed Ranch E bollards
--	---	---	--

 U-Link


 Quick Delivery

 New

 Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units	P. 278	signalling devices	P. 283
set of batteries for control units	P. 278	safety devices - photocells and accessories	P. 283
expansion boards	P. 279	safety devices - sensitive edges	P. 285
software	P. 280	rubber profiles	P. 285
receivers	P. 280	solenoid locks	P. 286
transmitters	P. 281	release systems	P. 287
control devices	P. 281		

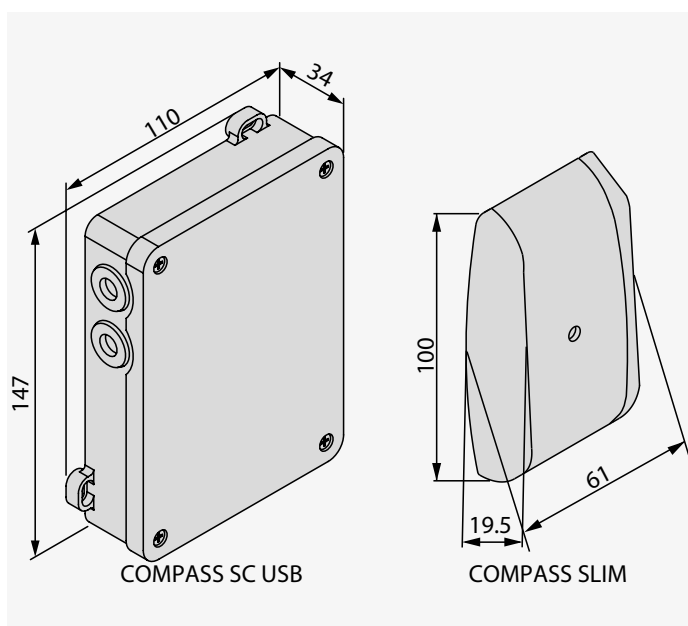
Access control systems and hands-free devices

COMPASS



Access control system capable of managing up to 32 entry/exit peripherals in a maximum of 8 distinct zones with anti-passback control. The system is entirely standalone and can be connected via USB to a personal computer for management and/or programming.

Dimension (mm)



Technical features

	COMPASS SC USB	COMPASS 485	COMPASS SLIM
Power supply	230 V	230 V	12 V
Max output relay current	5 A	5 A	no A
Max connectable peripherals	2 COMPASS SLIM	2 COMPASS SLIM	no
Manageable badges	up to 6000 in stand alone	up to 6000 in stand alone	no
Memorisable events	up to 65535 in stand alone	no	no
Protection rating	IP20	IP20	IP55
Environmental conditions	-20 ÷ 60 °C	-20 ÷ 60 °C	-20 ÷ 60 °C

Code	Name	Description
D113691	COMPASS SC USB	Access control unit allowing connection with a maximum of 2 COMPASS SLIM. Number of cards managed: up to 6000 in stand alone. Number of events memorised: up to 65535 in stand alone.
D113256	COMPASS 485	Interface control unit for connection with a maximum of 2 COMPASS SLIM. Number of cards managed: up to 6000 in stand alone.
D113704	COMPASS SLIM	Reader head with IP55 protection rating.

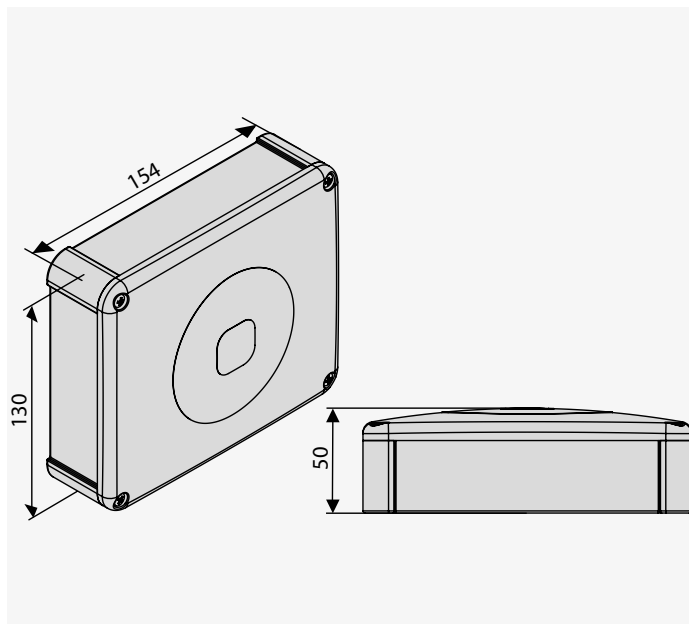
RECOMMENDED ACCESSORIES

	D113671 00002 - RTD CA 2048 Four-channel rolling code receiver with 2048 codes and built-in programming display. Usable with COMPASS		P111388 - SECURBASE LIGHT USB Management software for COMPASS access control system based on COMPASS SC.
	P111389 - SECURBASE PLUS USB Advanced management software for COMPASS access control system based on COMPASS SC.		D110912 - COMPASS - CUSTOM ISOCARD ISO standard proximity badge
	D110914 - COMPASS - RING Key-ring transponder for access control		P121025 - Q.BO PAD Vandalproof digital push-button panel, for outdoor use. Metal structure and s/steel buttons. Compatible with WIEGAND protocol, it ensures maximum system safety as it does not directly control the opening of the entry point.



Innovative hands-free system for the automatic management of entries/exits based simply on proximity to an antenna. Passy is reliable and safe and is the ideal system for situations where even the simple pressing of a remote control button can be inconvenient or dangerous, such as motor cycle access points, forklift truck entries/exits or truck loading ramps.

Dimension (mm)



Technical features

	PASSY ANTENNA MONO	PASSY ANTENNA OMNI	PASSY TRANSPONDER
Power supply	14/18 V	14/18 V	---
Current input	Typ 3W Max 6W	Typ 3W Max 6W	---
Band	2400-2483 MHz	2400-2483 MHz	---
Power	---	---	<8 dB
Frequency	---	---	433.92±0.1 MHz
Protection rating	IP55	IP55	---
Environmental conditions	-20 ÷ 70 °C	-20 ÷ 70 °C	-10 ÷ 60 °C

Code	Name	Description
D111457 00002	PASSY ANTENNA MONO	Hands-free control devices, also compatible with non-BFT systems
D111457 00001	PASSY ANTENNA OMNI	Hands-free control devices, also compatible with non-BFT systems
D111456	PASSY TRANSPONDER	Transponder with button for manual control of automation.

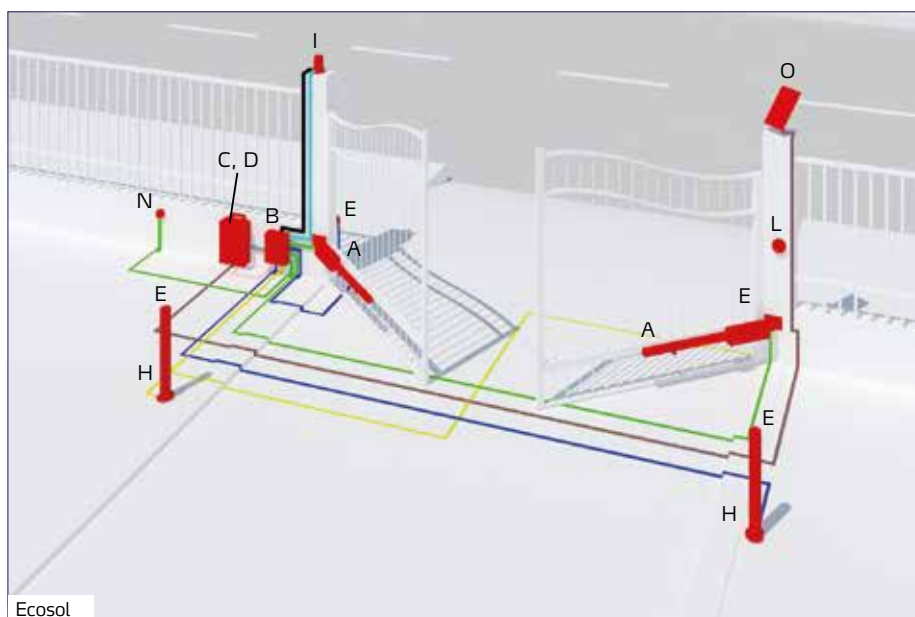
RECOMMENDED ACCESSORIES

	<p>D113674 00001 - CLONIX 2E</p> <p>External dual channel 433 MHz rolling code receiver. 128-position memory. 24 V.</p>		<p>P111465 - PROXIMA BLUE</p> <p>Universal handheld programmer for control units, receivers and remote controls with BLUETOOTH technology</p>
	<p>D113671 00002 - RTD CA 2048</p> <p>Four-channel rolling code receiver with 2048 codes and built-in programming display. Usable with COMPASS</p>		<p>D113807 00002 - CLONIX 2E AC U-LINK 230</p> <p>433 MHz external receiver with 2 outputs with NO contact. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>
	<p>D113808 00003 - CLONIX UNI AC U-LINK 230V</p> <p>433 MHz external receiver with 3 outputs: 2 with NO contact and one NO/NC configurable. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>		



Solar power supply system

Installation guide



A	Operator
B	Control unit
C, D	Backup Batteries
D	Receiver
E	Photocell
H	Post
I	Flashing Beacon
L	Control system (key selector switch, keypad, badge reader)
N	Junction box
O	Solar panel
2x1.5	
2x0.75	
3x1.5	
RG 58	
5x1	
2x1	

Ecosol

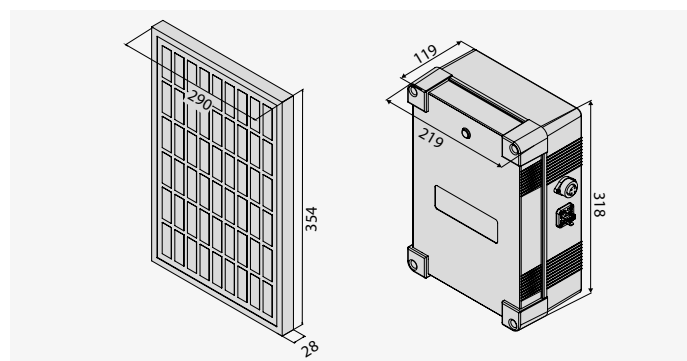
ECOSOL



Ecosol is a complete solar powered system for low-voltage installations. Ideal for doors and gates that are not easily reached from the power mains, it adapts to any context thanks to compatibility with all 24V systems, both old and new.



Dimension (mm)



Technical features

	ECOSOL BOX	ECOSOL BOX NO BATTERY	ECOSOL PANEL
Nominal voltage	24 V	24 V	24 V
Maximum current	10 A	10 A	no A
Peak power	no Wp	no Wp	10 Wp
Battery nominal capacity	7,20 Ah	7,20 Ah	no Ah
Battery type	12 A	12 A	no A
Maximum panel power	35 Wp	35 Wp	35 Wp
Consumption in standby	0,15 W	0,15 W	no W
Protection rating	IP55	IP55	IP65
Environmental conditions	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C

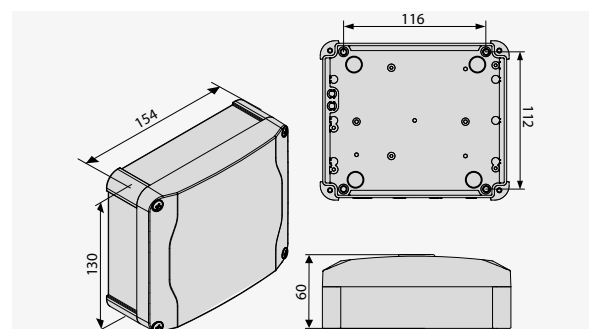
Code	Name	Description
D113731	ECOSOL BOX	Control and management unit for solar power supply of systems with supply voltage of 24 V. Batteries included.
D113750	ECOSOL BOX NO BATTERY	Control and management unit for supplying solar power to systems with supply voltage of 24 V. Batteries not included.
N999471	ECOSOL PANEL	Solar-powered system compatible with BFT systems only

RECOMMENDED ACCESSORIES

<p>D113732 - ECOSOL DOUBLE</p> <p>Expansion board with batteries Included</p>	<p>N999473 - ECOSOL POST BR</p> <p>Set of stainless steel screws and brackets for installing the ECOSOL PANEL on a post of diameter 48-100mm</p>
<p>N999475 - ECOSOL SECURITY</p> <p>Anti-tamper stainless steel screws and fasteners for ECOSOL PANEL and ECOSOL POST BR</p>	<p>N999476 - ECOSOL CABLE</p> <p>20 m extension for ECOSOL CHARGER</p>
<p>N999477 - ECOSOL CHARGER</p> <p>Battery chargers for ECOSOL BOX and ECOSOL DOUBLE</p>	

Remote control receiver

CLONIX



	CLONIX 2E	CLONIX UNI AC U-LINK 230V	CLONIX 2E AC U-LINK 230
Motor power supply	---	230 V	230 V
Power supply	24 V	230 V	230 V
Frequency	433 MHz	433 MHz	433 MHz
Amperage	---	---	---
Weight	---	---	0,30 kg
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	-20 ÷ 55 °C

VERSIONS

<p>D113674 00001 - CLONIX 2E</p> <p>External dual channel 433 MHz rolling code receiver. 128-position memory</p>	<p>D113808 00003 - CLONIX UNI AC U-LINK 230V</p> <p>433 MHz external receiver with 3 outputs: 2 with NO contact and one NO/NC configurable. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>
<p>D113807 00002 - CLONIX 2E AC U-LINK 230</p> <p>433 MHz external receiver with 2 outputs with NO contact. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>	

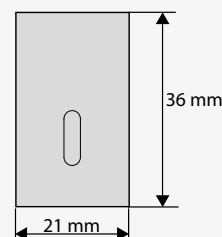
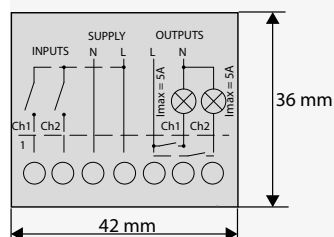
RECOMMENDED ACCESSORIES

<p>P111531 - B EBA BLUE ENTRY ANDROID 4</p> <p>BLUE-TOOTH expansion card for Blue Entry system. Manages up to 4 smartphones with the Android operating system</p>	<p>D111904 - MITTO B RCB02 R1</p> <p>Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A</p>
<p>D111906 - MITTO B RCB04 R1</p> <p>Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A</p>	<p>P111468 - B EBA RS 485 LINK</p> <p>Expansion board for connection of central units with serial controls management</p>
<p>P111523 - U-BASE ANDROID</p> <p>Management and programming software for BFT control and receiver units. Version for Android smartphones and tablets, Bluetooth connection</p>	<p>P111510 - U-BASE</p> <p>Software for bluetooth programming and managing of control unit, receiver and transmitters. USB key included</p>
<p>P111748 00002 - B EBA BLUE ENTRY IOS LE 4</p> <p>BLUE-TOOTH expansion card for Blue Entry system (max. 4 iOS smartphones)</p>	<p>P111748 00001 - B EBA BLUE ENTRY IOS LE 8</p> <p>BLUE-TOOTH expansion card for Blue Entry system (max. 8 iOS smartphones)</p>
<p>P111748 - B EBA BLUE ENTRY IOS LE 16</p> <p>BLUE-TOOTH expansion card for Blue Entry system (max. 16 iOS smartphones)</p>	



Remote control receiver

MIME



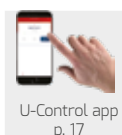
	MIME AC
Power supply	230 V
Built-in antenna	Yes
Type	2
Max connectable peripherals	30
Maximum current	2 x 5 A
Frequency	433 MHz
Environmental conditions	-20 ÷ 40 °C

VERSIONS

<p>R400008 - MIME AC PAD KIT</p> <p>433MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control Complete with 1 MITTO 4 Clear Ice remote control</p>	<p>new R400007 - MIME AC TX KIT</p> <p>433MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control Comes with built-in dual-channel transmitter</p>
<p>R400005 - MIME AC KIT</p> <p>433MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control Complete with 1 MITTO 4 Clear Ice remote control</p>	<p>D113824 - MIME AC</p> <p>433 MHz 2-channel indoor receiver 2 independent outputs 230 Vac power supply 30-position memory Operating mode: monostable, bistable, timed, motor control</p>

RECOMMENDED ACCESSORIES

<p>P121028 - MIME PAD</p> <p>4-channel wall-mounted radio control with rolling code</p>	<p>D111904 - MITTO B RCB02 R1</p> <p>Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A</p>
<p>D111906 - MITTO B RCB04 R1</p> <p>Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A</p>	<p>D111947 - MITTO B RCB04 R1 CLEAR ICE</p> <p>Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo.</p>
<p>D111946 - MITTO B RCB04 R1 SUNRISE</p> <p>Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: sunrise yellow</p>	<p>D111945 - MITTO B RCB04 R1 VINEYARD</p> <p>Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: vineyard red</p>
<p>N999522 - CLIP B 00 R04</p> <p>Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack</p>	<p>P121024 - Q.BO TOUCH</p> <p>Wireless digital touch button panel 433 MHz rolling code.</p>



accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

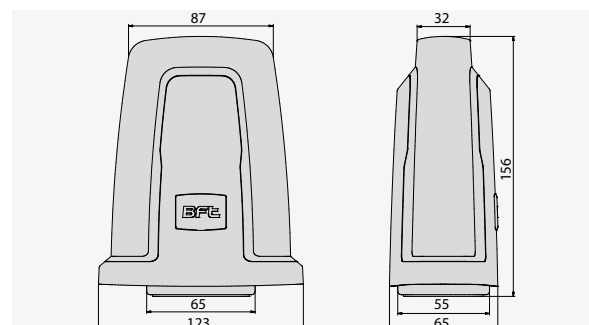
P. 278 signalling devices
P. 278 safety devices - photocells and accessories
P. 279 safety devices - sensitive edges
P. 280 rubber profiles
P. 280 solenoid locks
P. 281 release systems
P. 281

P. 283
P. 283
P. 285
P. 285
P. 286
P. 287



Flashing lights for automatic gates

IPNOS



	IPNOS B LTB 24 R1
Environmental conditions	-20 ÷ 60 °
Voltage	24 V
Protection rating	IP44

VERSIONS

	P113783 - IPNOS B LTB 24 R1				
	Flashing light with LED technology and built-in receiver antenna. New design language with smoke-grey cover. Power supply 24 V ac/dc.				

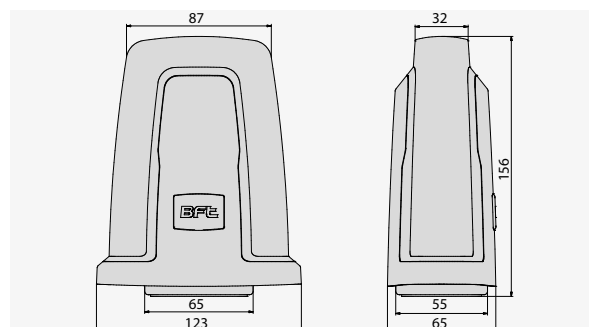
RECOMMENDED ACCESSORIES

	P123026 - B 00 R01		P123025 - B 00 R02
	Metal guard for B LTA		Wall mounting for B LTA series flashing beacons



Flashing lights for automatic gates

RADIUS



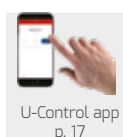
	RADIUS B LTA 24 R2	RADIUS B LTA 24 R1	RADIUS B LTA 230 R2	RADIUS B LTA 230 R1
Environmental conditions	-20 ÷ 60 °	-20 ÷ 60 °	-20 ÷ 60 °	-20 ÷ 60 °
Voltage	24 V	24 V	230 V	230 V
Built-in antenna	no	Yes	no	Yes
Protection rating	IP44	IP44	IP44	IP44

VERSIONS

 <p>Ph. Out D113749 00003 - RADIUS B LTA 24 R2</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>	 <p>Ph. Out D113748 00003 - RADIUS B LTA 24 R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>
 <p>Ph. Out D113749 00002 - RADIUS B LTA 230 R2</p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>	 <p>Ph. Out D113748 00002 - RADIUS B LTA 230 R1</p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>

RECOMMENDED ACCESSORIES

 <p>P123026 - B 00 R01</p> <p>Metal guard for B LTA</p>	 <p>P123025 - B 00 R02</p> <p>Wall mounting for B LTA series flashing beacons</p>
 <p>D113631 - AEL 30.8</p> <p>Antenna for 30.875 MHz radio remote control with 4 m cable</p>	



accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

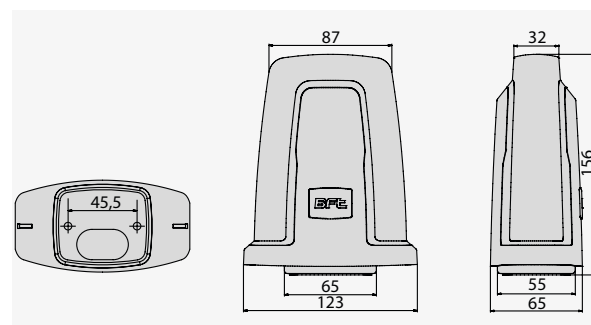
P. 278 signalling devices
P. 278 safety devices - photocells and accessories
P. 279 safety devices - sensitive edges
P. 280 rubber profiles
P. 280 solenoid locks
P. 281 release systems
P. 281

P. 283
P. 283
P. 285
P. 285
P. 286
P. 287








Flashing lights for automatic gates

RADIUS LED



	RADIUS LED BT A R0	RADIUS LED AC A R1 120	RADIUS LED BT A R1	RADIUS LED BT A R1 W	RADIUS LED AC A R0	RADIUS LED AC A R1
Voltage	24 V	120 V	24 V	24 V	230 V	230 V
Built-in antenna	no	no	Yes	Yes	no	Yes
Light	yellow	yellow	yellow	white	yellow	yellow
Protection rating	IP44	IP44	IP44	IP44	IP44	IP44

VERSIONS

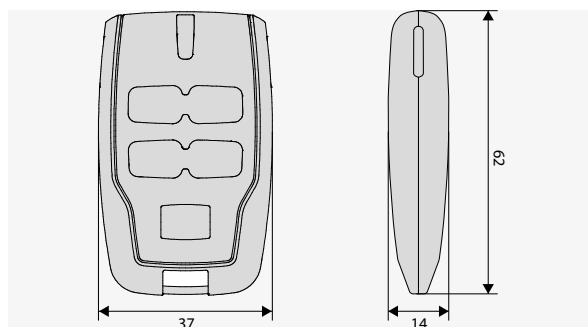
 <p>new D114093 00002 - RADIUS LED AC A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>	 <p>new D114094 00002 - RADIUS LED AC A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>
 <p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>	 <p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>
 <p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>	 <p>new D114093 00001 - RADIUS LED AC A R1 120</p> <p>Flashing light without incorporated antenna for motors with power supply 120 V.</p>

RECOMMENDED ACCESSORIES

 <p>P123026 - B 00 R01</p> <p>Metal guard for B LTA</p>	 <p>P123025 - B 00 R02</p> <p>Wall mounting for B LTA series flashing beacons</p>
 <p>D113631 - AEL 30.8</p> <p>Antenna for 30.875 MHz radio remote control with 4 m cable</p>	

Remote controls for automatic gates

KLEIO



	KLEIO B RCA04 R1	KLEIO B RCA02 R1
Voltage	12 V	12 V
Range	50/100 m	50/100 m
Number of buttons	4	2
Frequency	433 MHz	433 MHz
Number of batteries	1	1
Battery type	23 A	23 A
Protection rating	---	---

VERSIONS

	D111890 - KLEIO B RCA04 R1 Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A		D111888 - KLEIO B RCA02 R1 Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A
--	--	--	--

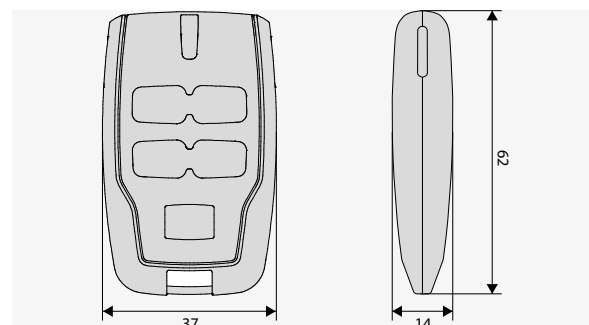
RECOMMENDED ACCESSORIES

	D113807 00002 - CLONIX 2E AC U-LINK 230 433 MHz external receiver with 2 outputs with NO contact. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory		D113808 00003 - CLONIX UNI AC U-LINK 230V 433 MHz external receiver with 3 outputs: 2 with NO contact and one NO/NC configurable. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory
	D113674 00001 - CLONIX 2E External dual channel 433 MHz rolling code receiver. 128-position memory. 24 V.		D113718 00002 - CLONIX 4 RTE External 4-channel 433 MHz rolling code receiver. Power relay outputs (16 A 230 V). 230 V.
	P111510 - U-BASE Software for bluetooth programming and managing of control unit, receiver and transmitters. USB key included		P111529 - U-PROG Programmer for radio control units and receivers with possibility of wired or BlueTooth connection
	N999522 - CLIP B 00 R04 Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack		N999521 - CLIP1 B 00 R03 Clip for hooking KLEIO B RCA and MITTO B RCB series remote controls to belt or sun visor. Supplied in pack of 30pcs



Remote controls for automatic gates

MITTO



	MITTO B RCB04 R1 CLEAR ICE	MITTO B RCB04 CLEAR ICE CUSTOMIZED	MITTO B RCB04 R1 SUNRISE	MITTO B RCB04 SUNRISE CUSTOMIZED	MITTO B RCB04 R1 VINEYARD	MITTO B RCB04 VINEYARD CUSTOMIZED
Voltage	12 V	12 V	12 V	12 V	12 V	12 V
Range	50/100 m	50/100 m	50/100 m	50/100 m	50/100 m	50/100 m
Number of buttons	4	4	4	4	4	4
Frequency	433 MHz	433 MHz	433 MHz	433 MHz	433 MHz	433 MHz
Number of batteries	1	1	1	1	1	1
Battery type	23 A	23 A	23 A	23 A	23 A	23 A
Coloration	clear ice white	clear ice white	sunrise yellow	sunrise yellow	vineyard red	vineyard red

	MITTO B RCB04 R3	MITTO B RCB04 R3 CUSTOMIZED	MITTO B RCB04 R2 REPLAY	MITTO B RCB04 4CH REPLAY CUSTOMIZED	MITTO B RCB04 R1	MITTO B RCB04 4CH CUSTOMIZED
Voltage	12 V	12 V	12 V	12 V	12 V	12 V
Range	50/100 m	50/100 m	50/100 m	50/100 m	50/100 m	50/100 m
Number of buttons	4	4	4	4	4	4
Frequency	433 MHz	433 MHz	433 MHz	433 MHz	433 MHz	433 MHz
Number of batteries	1	1	1	1	1	1
Battery type	23 A	23 A	23 A	23 A	23 A	23 A
Coloration	---	---	---	---	---	---

	MITTO B RCB02 R3	MITTO B RCB02 R3 CUSTOMIZED	MITTO B RCB02 R2 REPLAY	MITTO B RCB02 2CH REPLAY CUSTOMIZED	MITTO B RCB02 R1	MITTO B RCB02 2CH CUSTOMIZED
Voltage	12 V	12 V	12 V	12 V	12 V	12 V
Range	50/100 m	50/100 m	50/100 m	50/100 m	50/100 m	50/100 m
Number of buttons	2	2	2	2	2	2
Frequency	433 MHz	433 MHz	433 MHz	433 MHz	433 MHz	433 MHz
Number of batteries	1	1	1	1	1	1
Battery type	23 A	23 A	23 A	23 A	23 A	23 A
Coloration	---	---	---	---	---	---

	MITTO B RCB04 R6 RAINBOW					
Voltage	12 V					
Range	50/100 m					
Number of buttons	4					
Frequency	433 MHz					
Number of batteries	1					
Battery type	23 A					
Coloration	---					

VERSIONS

<p>D111947 - MITTO B RCB04 R1 CLEAR ICE</p> <p>Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo.</p>	<p>D111946 - MITTO B RCB04 R1 SUNRISE</p> <p>Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: sunrise yellow</p>
<p>D111945 - MITTO B RCB04 R1 VINEYARD</p> <p>Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: vineyard red</p>	<p>N999543 - MITTO B RCB04 R3</p> <p>Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.</p>
<p>D111907 - MITTO B RCB04 R2 REPLAY</p> <p>Copyable transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.</p>	<p>D111906 - MITTO B RCB04 R1</p> <p>Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A</p>
<p>N999542 - MITTO B RCB02 R3</p> <p>Transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.</p>	<p>D111905 - MITTO B RCB02 R2 REPLAY</p> <p>Copyable transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.</p>
<p>D111904 - MITTO B RCB02 R1</p> <p>Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A</p>	<p>N999629 - MITTO B RCB04 R6 RAINBOW</p> <p>Pack of four MITTO 4 transmitters in the four BFT colours: vineyard red sunrise yellow clear ice white deep sea blue</p>
<p>new D112196 - MITTO B RCB02 2CH CUSTOMIZED</p> <p>Transmitter with 2 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.</p>	<p>new D112197 - MITTO B RCB04 4CH CUSTOMIZED</p> <p>Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.</p>
<p>new D112198 - MITTO B RCB02 2CH REPLAY CUSTOMIZED</p> <p>Pairable transmitter with 2 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.</p>	<p>new D112199 - MITTO B RCB04 4CH REPLAY CUSTOMIZED</p> <p>Pairable transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.</p>
<p>new D112200 - MITTO B RCB04 SUNRISE CUSTOMIZED</p> <p>Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour sunrise yellow. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.</p>	<p>new D112201 - MITTO B RCB04 CLEAR ICE CUSTOMIZED</p> <p>Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.</p>
<p>new D112202 - MITTO B RCB04 VINEYARD CUSTOMIZED</p> <p>Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour vineyard red. Buttons panel can be customised with own design/logo. Minimum quantity 100 items.</p>	<p>new N998611 - MITTO B RCB02 R3 CUSTOMIZED</p> <p>Transmitters with 2 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Pack of 100 items, numbered for block memory. Buttons panel can be customised with own design/logo.</p>
<p>new N998612 - MITTO B RCB04 R3 CUSTOMIZED</p> <p>Transmitters with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Pack of 100 items, numbered for block memory. Buttons panel can be customised with own design/logo.</p>	

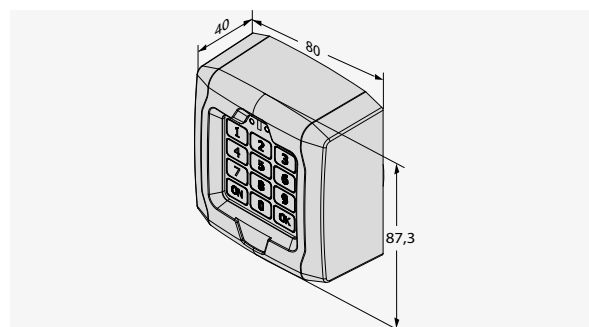


RECOMMENDED ACCESSORIES

	 D113807 00002 - CLONIX 2E AC U-LINK 230 433 MHz external receiver with 2 outputs with NO contact. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory		 D113808 00003 - CLONIX UNI AC U-LINK 230V 433 MHz external receiver with 3 outputs: 2 with NO contact and one NO/NC configurable. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory
	D113718 00002 - CLONIX 4 RTE External 4-channel 433 MHz rolling code receiver. Power relay outputs (16 A 230 V). 230 V.		D113674 00001 - CLONIX 2E External dual channel 433 MHz rolling code receiver. 128-position memory. 24 V.
	P111510 - U-BASE Software for bluetooth programming and managing of control unit, receiver and transmitters. USB key included		P111529 - U-PROG Programmer for radio control units and receivers with possibility of wired or BlueTooth connection
	N999522 - CLIP B 00 R04 Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack		 N999521 - CLIP1 B 00 R03 Clip for hooking KLEIO B RCA and MITTO B RCB series remote controls to belt or sun visor. Supplied in pack of 30pcs

Switches for automatic gates, entrances and electric appliances

Q.BO



	Q.BO PAD	Q.BO TOUCH	Q.BO KEY WM AV	Q.BO KEY WM
Voltage	12/24 V	12/24 V	---	---
Number of batteries	---	2	---	---
Battery type	---	CR123A	---	---
Frequency	---	433 MHz	---	---
Protection rating	IP44	IP55	IP44	IP44
Environmental conditions (min)	---	---	---	---

VERSIONS

<p>P121025 - Q.BO PAD Vandalproof digital push-button panel, for outdoor use. Metal structure and s/steel buttons. Compatible with WIEGAND protocol, it ensures maximum system safety as it does not directly control the opening of the entry point.</p>	<p>P121024 - Q.BO TOUCH Wireless digital touch button panel 433 MHz rolling code.</p>
<p>P121023 - Q.BO KEY WM AV Vandalproof key selector with metal structure.</p>	<p>P121022 - Q.BO KEY WM Key selector for outdoor use with double contact.</p>

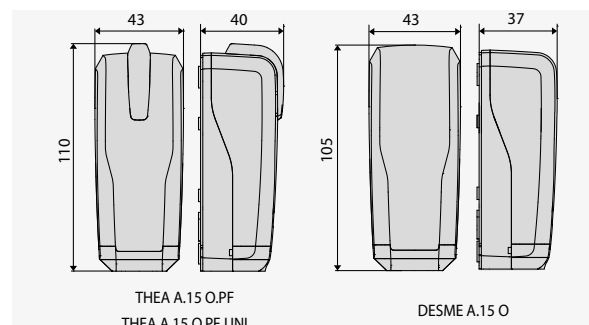
RECOMMENDED ACCESSORIES

<p>P111467 - B EBA WIE DRIVER Expansion card for connection of WIEGAND accessories, compatible with U-Link control units</p>	<p>P111408 - SCS WIE Board for connection of SELETTTO (E) push-button panel and COMPASS SLIM proximity reader Until stocks last</p>
<p>P903026 - PHP3 Pair of aluminium columns for Q.bo series selectors. Height 1038 mm</p>	<p>D113674 00001 - CLONIX 2E External dual channel 433 MHz rolling code receiver. 128-position memory. 24 V.</p>
<p>D113718 00002 - CLONIX 4 RTE External 4-channel 433 MHz rolling code receiver. Power relay outputs (16 A 230 V). 230 V.</p>	



Photocells for automatic gates and safety devices

THEA











	THEA A15 O.PF UNI	THEA A15 O.PF
Voltage	24 V	24 V
Horiz. adjustment	40 °	40 °
Vert. adjustment	10 °	10 °
Range	30 m	30 m
Protection rating	IP55	IP55

VERSIONS

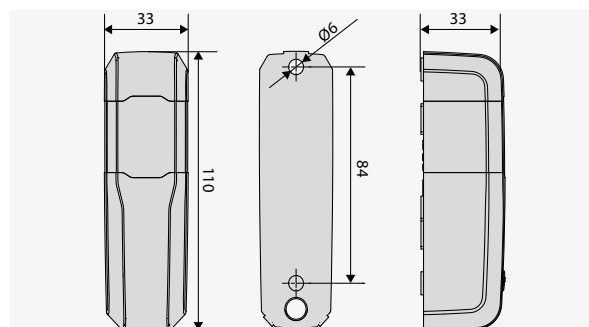
 <p>P111714 - THEA A15 O.PF UNI</p> <p>Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc. Pair of universal photocells suitable for non-BFT automation systems, adjustable with integrated flashing light. Synchronised infrared signal to avoid any possibility of accidental dazzling. For external application. Beam can be oriented 40° horizontally and 10° vertically. Range 30 m. Power supply 24 V ac/dc.</p>	 <p>P111528 - THEA A15 O.PF</p> <p>Pair of adjustable photocells with integrated flashing light. Possibility of directing the beam 40 ° horizontally and 10 ° vertically. IR signal synchronised to prevent any risk of blinding. Range 30 m. Power supply 24 V ac/dc. For external application.</p>
--	---

RECOMMENDED ACCESSORIES

 <p>P903022 - PHP BI</p> <p>Dual-face adapter for THEA/DESME photocells</p>	 <p>P903028 - PHP A</p> <p>Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm</p>
 <p>P903029 - PHP2 A</p> <p>Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm</p>	 <p>P903030 - PHP4 A</p> <p>Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm</p>
 <p>P903032 - ADA CC A</p> <p>Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts</p>	 <p>P903023 - PHP BA1</p> <p>Support for mounting THEA/DESME photocells on Giotto, Moovi and Michelangelo enclosures</p>
 <p>P903020 - APL</p> <p>Pair of foundation plates for PHP posts</p>	 <p>P903033 - ADA PHP A</p> <p>Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts</p>

Photocells for automatic gates and safety devices

COMPACTA A20-180



	COMPACTA A20-180	KIT COMPACTA - PHP
Supply voltage	12 - 33Vac / 15 - 35Vdc	12 - 33Vac / 15 - 35Vdc
Nominal Range	20 m	20 m
Horiz. adjustment	180 °	180 °
Degree of protection (IP)	44	44

VERSIONS

<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 - 33Vac / 15 - 35Vdc</p>	<p>new R400009 - KIT COMPACTA - PHP</p> <p>Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 - 33Vac / 15 - 35Vdc</p>
--	---

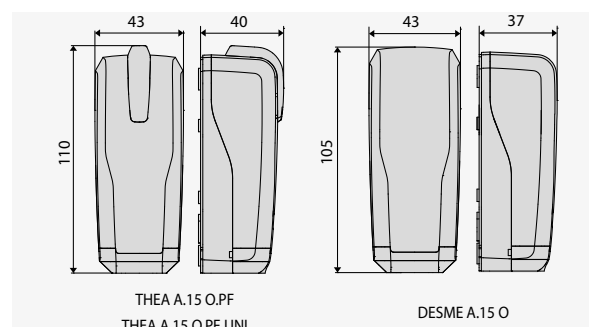
RECOMMENDED ACCESSORIES

<p>new P903028 - PHP A</p> <p>Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm</p>	<p>new P903029 - PHP2 A</p> <p>Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm</p>
<p>new P903030 - PHP4 A</p> <p>Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm</p>	<p>P903020 - APL</p> <p>Pair of foundation plates for PHP posts</p>
<p>new P903033 - ADA PHP A</p> <p>Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts</p>	<p>new P903032 - ADA CC A</p> <p>Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts</p>
<p>new P903031 - BMC A</p> <p>Support for mounting COMPACTA series photocells on wall and on Giotto, Moovi and Michelangelo barriers</p>	



Photocells for automatic gates and safety devices

DESME



	DESME A15	KIT DESME - PHP	KIT COMPACTA - PHP
Supply voltage			12 - 33Vac / 15 - 35Vdc
Nominal Range			20 m
Horiz. adjustment	no °	---	180 °
Voltage	24 V	---	
Degree of protection (IP)			44
Vert. adjustment	no °	---	
Range	30 m	---	
Protection rating	IP55	---	

VERSIONS





 <p>Ph R400006 - KIT DESME - PHP</p> <p>Kit complete with a pair of aluminum columns for photocells and a pair of Desme A.15 self-aligning photocells, maximum range 30 m, power supply 24 V ac/dc.</p>	 <p>P111526 - DESME A15</p> <p>Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc.</p>
<p>new R400009 - KIT COMPACTA - PHP</p> <p>Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 - 33Vac / 15 - 35Vdc</p>	

RECOMMENDED ACCESSORIES

 <p>new P903028 - PHP A</p> <p>Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm</p>	 <p>new P903029 - PHP2 A</p> <p>Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm</p>
 <p>new P903030 - PHP4 A</p> <p>Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm</p>	 <p>P903022 - PHP BI</p> <p>Dual-face adapter for THEA/DESME photocells</p>
 <p>P903023 - PHP BA1</p> <p>Support for mounting THEA/DESME photocells on Giotto, Moovi and Michelangelo enclosures</p>	 <p>new P903032 - ADA CC A</p> <p>Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts</p>



RECOMMENDED ACCESSORIES


	P903024 - ACV20 Vandal-proof protection for DESME photocells		P903020 - APL Pair of foundation plates for PHP posts
	 P903033 - ADA PHP A Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts		

 U-Link


 Quick Delivery

 New

 Phase-out



U-Control app
p. 17



Accessories
p. 278

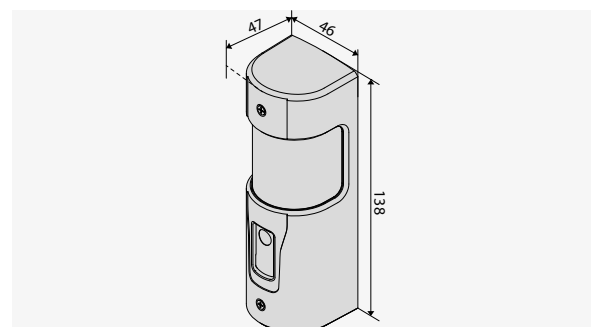
accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



Photocells for automatic gates and safety devices

AKTA - ERIS



	ERIS A30	AKTA A30
Voltage	24 V	24 V
Horiz. adjustment	180 °	180 °
Vert. adjustment	20 °	20 °
Range	30 m	30 m
Protection rating	IP55	IP55

VERSIONS

	P111537 - ERIS A30 Pair of wireless photocells with the possibility of management of an active infrared or resistive safety edge adding STR and BIR C or BAR C profiles.		P111536 - AKTA A30 Pair of photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30 m. Power supply 24 V ac/dc.
--	--	--	---

RECOMMENDED ACCESSORIES

	N190106 - STR Pair of infrared STR sensors for ERIS A30		N190104 - BIR C Rubber safety edge (H 30 mm), price per m
	P111451 00002 - BAR C BA 2 Double profile safety edge with lip seals (L2000xh60 mm.) BAR C BA 2		P903025 - PHP ADA Pair of adapters for the installation of AKTA photocells on PHP posts
	new P903028 - PHP A Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm		new P903029 - PHP2 A Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm
	P903020 - APL Pair of foundation plates for PHP posts		P111538 - ACV30 Vandal-proof protection for AKTA photocells
	N999465 - DCW BAT Pack of 12 batteries for photocell safety edge, compatible with DCW, TANGO, ERIS A30		

THALIA



Control panel with display for one or two hinged door operators, 24V - 300+300W.

VERSIONS



 <p>D113747 00001 - THALIA P 120V</p> <p>THALIA LEB - 12x14 LARGE ENCLOSURE WITH 9AMP/H BATTERIES</p>	 <p>D113747 00002 - THALIA P</p> <p>Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems</p>
 <p>D113745 00002 - THALIA</p> <p>Control panel with display for one or two 24V electromechanical operators for swing gates</p>	 <p>D113745 00001 - THALIA 120V</p> <p>Control panel with display for one or two 24V electromechanical operators for swing gates</p>

ZARA



Control panel with dip switches and potentiometers for one or two 24V operators for swing gates

VERSIONS

 <p>D113796 00002 - ZARA BT L2</p> <p>Control panel with dip switches and potentiometers for one or two 24V operators for swing gates</p>	 <p>D113796 00001 - ZARA BT L2 120V</p> <p>Control panel with dip switches and potentiometers for one or two 24V operators for swing gates</p>
--	--



LIBRA



Control panel for one or two swing gate operators.

VERSIONS



 <p>D113742 00002 - LIBRA CB HIDE</p> <p>Control panel with display for 1 or 2 HIDE SW series operators</p>	 <p>D113672 00005 - LIBRA C MA</p> <p>LIBRA C MA control panel</p>
 <p>D113715 00002 - LIBRA C LX Q5G2</p> <p>LIBRA C LX control panel</p>	

VEGA



Control panel for one or two overhead garage door operators.

VERSIONS

 <p> D113836 00002 - VEGA QUADRO Q5G</p> <p>Vega control board in CPEL panel Application: control panel for one or two overhead garage door operators</p>	
---	--

RIGEL



Universal control board with display for one or two swing or sliding door operators, 230V - 650+650W. Main features: removable terminal blocks, programming and diagnostics with display, built-in four-channel receiver, electro lock, electronic torque limiter, electronic deceleration at opening and closing, a separate limit switch inputs for each motor, traffic light management, preheating hydraulic operators, weekly timer, possibility to delete a specific remote control, customization of the 4 radio channels, personalization of the duration of the delayed output, adjustable sensitivity to the obstacle.

VERSIONS

	D113833 00001 - RIGEL 6 110-120V 50/60HZ Universal control panel with display for one or two 120V operators		D113833 00002 - RIGEL 6 220-230V 50/60HZ Universal control panel with display for one or two 230V - 650+650W operators
--	---	--	--

ALENA



Control panel with dip switches and potentiometers for one or two 230V operators for swing gates and industrial folding doors

VERSIONS

	D113811 00003 - ALENA SW2 120V ALENA SW2 120V control panel		D113811 00004 - ALENA SW2 Control panel with slow-down, dip switches and potentiometers for one or two 230V 400W+400W, operators for swing gates and industrial folding doors
--	---	--	---



SHYRA



Control panel for sliding and swing gates, shutters and overhead doors. Card power supply: 230V single-phase Operator power supply: 230 V single-phase, max. 500 W Main functions: pedestrian opening (only by remote control), quick closing, pulse blocking Main features: removable terminal blocks, settings controlled by potentiometers, LED-based fault reporting and incorporated dual channel receiver, two safety verified inputs, one of which dedicated to 8k2 safety edge.

VERSIONS

**new****D113802 00002 - SHYRA CPEM**

Control panel for sliding and swing gates, shutters and overhead doors. Panel power supply: 230 V, single-phase

new**D113802 00001 - SHYRA CPEM 120V**

Control panel for sliding and swing gates, shutters and overhead doors. Panel power supply: 120 V, single-phase.

ALCOR



Dip switch and potentiometer control panel for one or two 230 V/300 W operators for swing gates, with management of sensitive edges and security entry verification option.

VERSIONS

**new****D114092 00002 - ALCOR AC A**

Control unit with on-board receiver - no display - Standard terminal block

**new****D114092 00001 - ALCOR AC A 120V**

Control panel with dip switches and potentiometers for one or two 120V/300W operators for swing gates

PERSEO



Universal control panel for one or two 230V operators.

VERSIONS

	<p>D113812 00002 - PERSEO CBE 230.P SD</p> <p>Control unit with U-Link, receiver and incorporated heating circuit (to -40°C) for electro-mechanical and hydraulic bollards. Can manage up to 4 bollards at the same time (or up to 2 Xpass 1200)</p>		<p>D113653 00007 - PERSEO O</p> <p>Control panel for Stoppy O for 1 to 4 actuators. Receiver not included</p>
--	---	--	--

LEO



Control panel with display for one operator, 230V - 750W, with possibility of input enabling for BFT encoder.

VERSIONS

	<p>D113777 00002 - LEO B CBB L02</p> <p>Incorporated control unit for one 230V operator for sliding gates</p>		<p>D113768 00002 - LEO B CBB W01</p> <p>Control board for PEGASO CJA three-phase operators</p>
	<p>D113767 00002 - LEO B CBB L01</p> <p>U-Link control board for Pegaso B Cja single-phase operators</p>		





ELBA

Control panel, max 230V, for roller shutters or roll-up doors



VERSIONS

	D113717 00002 - ELBA BU Control panel, max 230V, for roller shutters or roll-up doors		D113716 00002 - ELBA ELBA control panel
--	---	---	---

SHEDIR

Routing centralisation card for controlling up to two motors or groups of motors in single mode or centralised.



VERSIONS




	P111515 - SHEDIR B CBC 02 L01 Control unit for wired centralisation. For 2 operators (or 2 groups of operators)				
---	---	--	--	--	--



PROXIMA



VERSIONS


	 P111465 - PROXIMA BLUE Universal handheld programmer for control units, receivers and remote controls with BLUETOOTH technology		P111326 - PROXIMA Universal handheld programmer for control units, receivers and remote controls
--	---	---	--

 U-Link


 Quick Delivery

 New

 Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		














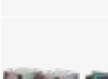
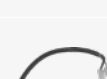

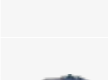


Generic accessories

ACCESSORIES FOR CONTROL UNITS

	D223066 - CPEM Panel box for central control units		D223072 - CPEL Large panel box for central control units
	N999070 - SFQ Set of SD and QSG panel fixing brackets		N999369 - CP SD Set of cable clamps for SD panel
	D223076 - CPES Control panel box for control units. Dimensions 154x130 mm depth 60 mm		

SET OF BATTERIES FOR CONTROL UNITS






	P125008 - VIRGO BAT Set of backup batteries for VIRGO		P125005 - BT BAT Set of backup batteries for LIBRA C MA, LIBRA C LX, HYDRA N, ARGO, VENERE BT A DIS
	P125007 - BT BAT1 Emergency battery kit for HYDRA N CPEL, only for external board not compatible with board on motor		P125038 - MCL BT A BAT KIT Set of backup batteries for MICHELANGELO BT A barriers
	P975005 - BATT-EB Backup battery kit to allow bollards to stay up in case of no power		P111768 - BBV BATT MODULO VISTA SL Set of backup batteries for VISTA SL
	P125002 - SB BAT SB BAT emergency battery kit for DEIMOS BT		P125009 - BT BAT2 Set of backup batteries for ARES
	P125017 - A-300 SL BAT Set of backup batteries for A-300 SL series operators		 P120017 - BAT KIT 1 Set of backup batteries for GIOTTO series barriers. Not compatible with GIOTTO BT A
	P120074 - GIOTTO M BG BAT KIT Buffer battery kit for Giotto BT A series barrier		P111503 - BBV SLC TL Battery powered anti-panic device for VISTA SL C, TL
	P125020 - BBT BAT Set of backup batteries for THALIA and THALIA P		 P125033 - SL BAT1 SL BAT1 emergency battery kit for DEIMOS ULTRA BT
	P125035 - SL BAT2 Emergency battery kit for Deimos BT A, Ares BT A, Deimos Ultra BT A, Ares Ultra BT A.		

EXPANSION BOARDS

<p>P111494 - B EBA WI-FI GATEWAY</p> <p>Expansion card permitting connection of a U-link device to a home Wi-Fi network. Connected operators may be remotely managed with the U-control app available for Android and iOS smartphones.</p>	<p>P111748 00002 - B EBA BLUE ENTRY IOS LE 4</p> <p>BLUE-TOOTH expansion card for Blue Entry system (max. 4 iOS smartphones)</p>
<p>P111748 00001 - B EBA BLUE ENTRY IOS LE 8</p> <p>BLUE-TOOTH expansion card for Blue Entry system (max. 8 iOS smartphones)</p>	<p>P111748 - B EBA BLUE ENTRY IOS LE 16</p> <p>BLUE-TOOTH expansion card for Blue Entry system (max. 16 iOS smartphones)</p>
<p>P111531 - B EBA BLUE ENTRY ANDROID 4</p> <p>BLUE-TOOTH expansion card for Blue Entry system. Manages up to 4 smartphones with the Android operating system</p>	<p>P111376 - SCS 1</p> <p>Expansion card</p>
<p>P111408 - SCS WIE</p> <p>Board for connection of SELETTO (E) push-button panel and COMPASS SLIM proximity reader Until stocks last</p>	<p>P111377 - SCS 1 MA</p> <p>Board for connection to more than two checked photocell copies for DEIMOS BT and ARES While stocks last</p>
<p>D113050 - SPL</p> <p>Pre-heating board with thermostat for 230V hydraulic operators. Not usable with RIGEL 5</p>	<p>P111399 - IT23</p> <p>Connection interface for CELLULA RFL in accordance with EN12453 Standard</p>
<p>D111704 - SSR5</p> <p>Control card traffic light or pre-heating hydraulic motors AC with Rigel 5</p>	<p>D113727 - TLB</p> <p>Traffic-light management board for THALIA, THALIA P and LEO CBB.</p>
<p>D111013 - ME</p> <p>Control board for 12Vac solenoid lock for 230V automation systems</p>	<p>D111761 - ME BT</p> <p>Control board for 24Vac solenoid lock for 24V automation systems</p>
<p>P111400 - FLC 8K2</p> <p>Interface for connecting one or more 8K2 type edges</p>	<p>P111449 - RAU</p> <p>Wired connection board for BFT plug-in receivers</p>
<p>P111469 - B EBA BLUE GATEWAY</p> <p>Expansion board for BLUETOOTH connection management</p>	<p>D113805 00002 - B EBA TCP/IP GATEWAY</p> <p>Gateway expansion card to connect automation systems in TCP/IP networks via U-Link slot. It manages up to 120 U-Link devices connected via B EBA RS-485 Link.</p>
<p>P111467 - B EBA WIE DRIVER</p> <p>Expansion card for connection of WIEGAND accessories, compatible with U-Link control units</p>	<p>P111468 - B EBA RS 485 LINK</p> <p>Expansion board for connection of central units with serial controls management</p>
<p>D111501 - ME110</p>	<p>P111466 - B EBA IO INPUT/OUTPUT</p> <p>INPUT/OUTPUT expansion board</p>



SOFTWARE

	<p>P111510 - U-BASE</p> <p>Software for bluetooth programming and managing of control unit, receiver and transmitters. USB key included</p>		<p>P111514 00002 - U-SDK FULL 2</p> <p>Software for easy integration of U-Link automation with external systems. U-SDK is an interpreter that allows system integrators easy and rapid implementation of U-Link commands via short simplified strings. Full license for 2 systems</p>
	<p>P111389 - SECURBASE PLUS USB</p> <p>Advanced management software for COMPASS access control system based on COMPASS SC.</p>		<p>P111523 - U-BASE ANDROID</p> <p>Management and programming software for BFT control and receiver units. Version for Android smartphones and tablets, Bluetooth connection</p>
	<p>P111510 - U-BASE 2 PC</p> <p>Management and programming software for Bft control units and receivers. Version for PC, Bluetooth connection</p>		<p>P111718 - U-BASE CLOUD 10</p> <p>The U-BASE Cloud service for U-Base 2 PC allows for the management in the BFT cloud of back-ups of the settings for various different systems.</p>
	<p>P111388 - SECURBASE LIGHT USB</p> <p>Management software for COMPASS access control system based on COMPASS SC.</p>		<p>P111513 00008 - U-SDK LIGHT 8</p> <p>Software for easy integration of U-Link automation with external systems. U-SDK is an interpreter that allows system integrators easy and rapid implementation of U-Link commands via short simplified strings. Light license for 8 systems</p>
	<p>P111514 00008 - U-SDK FULL 8</p> <p>Software for easy integration of U-Link automation devices with external systems. U-SDK is an interpreter that allows system integrators to easily and rapidly implement U-Link commands via short simplified strings. Full licence for 8 plants</p>		<p>P111513 00002 - U-SDK LIGHT 2</p> <p>Software for easy integration of U-Link automation devices with external systems. U-SDK is an interpreter that allows system integrators to easily and rapidly implement U-Link commands via short simplified strings. Light licence for 2 plants</p>

RECEIVERS

	<p>D113807 00002 - CLONIX 2E AC U-LINK 230</p> <p>433 MHz external receiver with 2 outputs with NO contact. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>		<p>D113808 00003 - CLONIX UNI AC U-LINK 230V</p> <p>433 MHz external receiver with 3 outputs: 2 with NO contact and one NO/NC configurable. Compatible with U-LINK protocol (with 3 connection slots). Power supply 230 V, 2048-position memory</p>
	<p>D111662 - CLONIX 2</p> <p>Two-channel receiver with plug 433 MHz rolling code. 128 position memory. 24 Vac power supply.</p>		<p>D111664 - CLONIX 2 2048</p> <p>Dual channel 433 MHz rolling code plug-in receiver. 2048-position memory 24 Vdc Vac power supply.</p>
	<p>D113674 00001 - CLONIX 2E</p> <p>External dual channel 433 MHz rolling code receiver. 128-position memory. 24 V.</p>		<p>D113674 00003 - CLONIX 2E 2048</p> <p>Dual channel 433 MHz rolling code plug-in receiver. 2048-position memory 24 Vdc Vac power supply.</p>
	<p>D113718 00002 - CLONIX 4 RTE</p> <p>External 4-channel 433 MHz rolling code receiver. Power relay outputs (16 A 230 V). 230 V.</p>		<p>D113670 00002 - RTD 2048</p> <p>2048 rolling code four-channel receiver with built-in programming display. 230 V power supply, remote block programming</p>
	<p>D111713 00001 - MOP</p> <p>Accessory for adding an output channel to RTD</p>		<p>D111050 - RE</p> <p>Wired connection board for two BFT plug-in receivers</p>
	<p>D111305 - RO 2</p> <p>Dual channel 30.875 MHz plug-in receiver.</p>		<p>D113632 - AEL 433</p> <p>Antenna for 433 MHz radio remote control with 4 m cable</p>

RECEIVERS

	D113631 - AEL 30.8				
	Antenna for 30.875 MHz radio remote control with 4 m cable				

TRANSMITTERS













	D111904 - MITTO B RCA02 R1		D111888 - KLEIO B RCA02 R1
Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A		Transmitter with 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A	
	P121024 - Q.BO TOUCH		D111905 - MITTO B RCA02 R2 REPLAY
Wireless digital touch button panel 433 MHz rolling code.		Copyable transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.	
	D111890 - KLEIO B RCA04 R1		N999542 - MITTO B RCA02 R3
Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A		Transmitter 2 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.	
	D111906 - MITTO B RCA04 R1		D111907 - MITTO B RCA04 R2 REPLAY
Transmitter with 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A		Copyable transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A.	
	N999543 - MITTO B RCA04 R3		N999629 - MITTO B RCA04 R6 RAINBOW
Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Pack of 100pcs numbered for block memorisation.		Pack of four MITTO 4 transmitters in the four BFT colours: vineyard red sunrise yellow clear ice white deep sea blue	
	D111945 - MITTO B RCA04 R1 VINEYARD		D111946 - MITTO B RCA04 R1 SUNRISE
Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: vineyard red		Transmitter 4 channels. Range 50/100 m. Power supply 12 V with 1 battery type 23 A. Colour: sunrise yellow	
	D111947 - MITTO B RCA04 R1 CLEAR ICE		N999521 - CLIP B 00 R03
Transmitter with 4 channels. Range 50/100 m. 12 V power supply with 1 23 A battery. Colour clear ice white. Buttons panel can be customised with own design/logo.		Clip for hooking KLEIO B RCA and MITTO B RCB series remote controls to belt or sun visor. Supplied in pack of 30pcs	
	N999522 - CLIP B 00 R04		
Wall mounting clip for KLEIO B RCA and MITTO B RCB remote controls. 30 unit pack			

CONTROL DEVICES

	P903030 - PHP4 A		P121024 - Q.BO TOUCH
	Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm		Wireless digital touch button panel 433 MHz rolling code.
	D110926 00001 - SPIRA 2X1		P121022 - Q.BO KEY WM
	Magnetic loop 2 x 1 m		Key selector for outdoor use with double contact.



CONTROL DEVICES

	P111274 - RME 1 BT 24 V single channel metal object detector with installation base		P121023 - Q.BO KEY WM AV Vandalproof key selector with metal structure.
	P111001 00003 - RME 2 230 V dual channel metal object detector with installation base		P121025 - Q.BO PAD Vandalproof digital push-button panel, for outdoor use. Metal structure and s/steel buttons. Compatible with WIEGAND protocol, it ensures maximum system safety as it does not directly control the opening of the entry point.
	D121611 - SPC External button panel with 2 start-stop buttons.		P903008 - CSC 50 Aluminium column for photocell mod. CELLULA 50 and selector mod. INTRO
	D121612 - SPC2 External button panel with 2 open-close buttons.		D121619 - SPC3 Open stop close button panel.
	D121011 - LCM Magnetic key reader. For column mounting - see mod. CLC		N574039 - BOX Wall cabinet for release with steel cable and electric control; cable not included
	N733036 - MOX External release system to be inserted in SIBOX safe		P903026 - PHP3 Pair of aluminium columns for Q.bo series selectors. Height 1038 mm

ACTIVATION SENSORS AUTOMATIC DOORS AND SECURITY

	P111405 - REMOTE CONTROL Remote control for adjusting and setting FALCON, EAGLE ONE and ACTIVE8		P111407 - FALCON Industrial presence sensor installable up to 7 m.
	P111662 - VIO-M Compact mono-directional activation sensor		P111325 - RIP Multi-function active infrared radar, wide/narrow range
	P111652 - HR100-CT Safety and mono-directional activation sensor, infrared, monitored		P111653 - VIO-DT2 Safety and bi-directional activation sensor, dual technology, monitored
	P111654 - VIO-DT1 Safety and mono-directional activation sensor, dual technology, monitored		P111406 - SPOTFINDER IR curtain detector
	P111655 - IXIO-DT1 Safety and mono-directional activation sensor, dual technology, monitored, programmable c.telecom.		P111656 - VIO-ST Infrared safety sensor, monitored

ACTIVATION SENSORS AUTOMATIC DOORS AND SECURITY

<p>P111657 00001 - 4SAFE IR SAFETY SENSOR MONIT. SW/1MOD/700</p> <p>Monitored IR safety sensor for side-hung leaves, 1 module, 700 mm</p>	<p>P111657 00002 - 4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/700</p> <p>Monitored IR safety sensor for side-hung leaves, 2 modules, 700 mm</p>
<p>P111657 00003 - 4SAFE IR SAFETY SENSOR MONIT. SW/2MOD/900</p> <p>Monitored IR safety sensor for side-hung leaves, 2 modules, 900 mm</p>	

SIGNALLING DEVICES

<p>new D114094 00003 - RADIUS LED BT A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>	<p>new D114093 00003 - RADIUS LED BT A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>
<p>new D114168 00003 - RADIUS LED BT A R1 W</p> <p>Flashing light with built-in antenna for motors with a 24 V power supply. White flashing light.</p>	<p>new D114094 00002 - RADIUS LED AC A R0</p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>
<p>new D114093 00002 - RADIUS LED AC A R1</p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>	<p>Ph. Out D113783 - IPNOS B LTB 24 R1</p> <p>Flashing light with LED technology and built-in receiver antenna. New design language with smoke-grey cover. Power supply 24 V ac/dc.</p>
<p>Ph. Out D113748 00003 - RADIUS B LTA 24 R1</p> <p>Flashing light with incorporated antenna for motors with power supply 24 V.</p>	<p>Ph. Out D113749 00003 - RADIUS B LTA 24 R2</p> <p>Flashing light without incorporated antenna for motors with power supply 24 V.</p>
<p>Ph. Out D113748 00002 - RADIUS B LTA 230 R1</p> <p>Flashing light with incorporated antenna for motors with power supply 230 V.</p>	<p>Ph. Out D113749 00002 - RADIUS B LTA 230 R2</p> <p>Flashing light without incorporated antenna for motors with power supply 230 V.</p>
<p>P123026 - B 00 R01</p> <p>Metal guard for B LTA</p>	<p>P123025 - B 00 R02</p> <p>Wall mounting for B LTA series flashing beacons</p>








SAFETY DEVICES - PHOTOCELLS AND ACCESSORIES

<p>P111528 - THEA A15 Q.PF</p> <p>Pair of adjustable photocells with integrated flashing light. Possibility of directing the beam 40 ° horizontally and 10 ° vertically. IR signal synchronised to prevent any risk of blinding. Range 30 m. Power supply 24 V ac/dc. For external application.</p>	<p>P111714 - THEA A15 Q.PF UNI</p> <p>Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc. Pair of universal photocells suitable for non-BFT automation systems, adjustable with integrated flashing light. Synchronised infrared signal to avoid any possibility of accidental dazzling. For external application. Beam can be oriented 40° horizontally and 10° vertically. Range 30 m. Power supply 24 V ac/dc.</p>
<p>new P111782 - COMPACTA A20-180</p> <p>Pair of photocells adjustable 180 ° horizontally. Range 20m. Power supply 12 – 33Vac / 15 – 35Vdc</p>	<p>P111526 - DESME A15</p> <p>Pair of self-aligning photocells. Range 30 m. Power supply 24 V ac/dc.</p>

SAFETY DEVICES - PHOTOCELLS AND ACCESSORIES

	P111536 - AKTA A30 Pair of photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30 m. Power supply 24 V ac/dc.		P111537 - ERIS A30 Pair of wireless photocells with the possibility of management of an active infrared or resistive safety edge adding STR and BIR C or BAR C profiles.
	P111272 - CELLULA 50 Pair of built-in adjustable photocells (range 30 m) Power supply 24 V ac		P111391 - CELLULA RFL Reflective photocell for external application (range 12 m) Power supply 24 V ac/dc (requires 5 RFLP P111409)
	new P903028 - PHP A Pair of aluminium posts for THEA, DESME and COMPACTA series photocells Height 522 mm		new P903029 - PHP2 A Pair of double aluminium posts for THEA, DESME and COMPACTA series photocells. Height 1038 mm
	P903022 - PHP BI Dual-face adapter for THEA/DESME photocells		P903020 - APL Pair of foundation plates for PHP posts
	P903025 - PHP ADA Pair of adapters for the installation of AKTA photocells on PHP posts		P903023 - PHP BA1 Support for mounting THEA/DESME photocells on Giotto, Moovi and Michelangelo enclosures
	P111409 - S RFLP Reflector and support for wall mounting and mounting on CC post for CELLULA RFL		P903013 - CC RFL CELLULA RFL and S RFLP mounting support on CC posts
	D221573 - CCI Recessed container for CELLULA 50 and INTRO.		P903014 - CM RFL CELLULA RFL wall mounting support
	P903024 - ACV20 Vandal-proof protection for DESME photocells		P111538 - ACV30 Vandal-proof protection for AKTA photocells
	P111399 - IT23 Connection interface for CELLULA RFL in accordance with EN12453 Standard		N999465 - DCW BAT Pack of 12 batteries for photocell safety edge, compatible with DCW, TANGO, ERIS A30
	new R400009 - KIT COMPACTA - PHP Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12 – 33Vac / 15 – 35Vdc		new P903030 - PHP4 A Pair of aluminum posts of different heights, for Q.bo series selectors and THEA, DESME and COMPACTA series photocells. Column for selector: height 1038 mm, column for photocells: height 552 mm
	new P903031 - BMC A Support for mounting COMPACTA series photocells on wall and on Giotto, Moovi and Michelangelo barriers		new P903032 - ADA CC A Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on CC posts
	new P903033 - ADA PHP A Pair of adapters for the installation of THEA, DESME and COMPACTA photocells on PHP posts		

SAFETY DEVICES - SENSITIVE EDGES

	new R920111 - TRWB Wireless transmission system for resistive safety edges comprising transmitter and receiver.		new P125050 - TWB Wireless transmitter for resistive safety edges.
	N190106 - STR Pair of infrared STR sensors for ERIS A30		P111537 - ERIS A30 Pair of wireless photocells with the possibility of management of an active infrared or resistive safety edge adding STR and BIR C or BAR C profiles.
	P111401 00001 - VENTIMIGLIA NS Infrared device for BIR C or BAR C safety edges (conforms to EN 12978 Standard)		N999465 - DCW BAT Pack of 12 batteries for photocell safety edge, compatible with DCW, TANGO, ERIS A30
	N999465 - DCW BAT Pack of 12 batteries for photocell safety edge, compatible with DCW, TANGO, ERIS A30		

RUBBER PROFILES

	new R920110 - CSR99 20 Kit for 8k2 resistive safety edges, length 2 metres, with 99 mm-high EPDM rubber strip, aluminium section, 2 contact terminals, 2 caps, 1 x 8.2 kOhm resistance connector and connection cable.		N190104 - BIR C Rubber safety edge (H 30 mm), price per m
	P111050 - CM1000		P111051 - CM1500 Mechanical safety edge, length 1.5 m
	P111052 - CM1700 Mechanical safety edge, length 1.7 m		P111053 - CM2000 Mechanical safety edge, length 2 m
	P111054 - CM3000 Mechanical safety edge, length 3 m		P111055 - CM4000 Mechanical safety edge, length 4 m
	P111056 - CM5000 Mechanical safety edge, length 5 m		P111450 00002 - BAR C 2 Double profile rubber safety edge (L 2000 x H 60 mm)
	P111450 00004 - BAR C 4 Double profile rubber safety edge (L 4000 x H 60 mm)		P111450 00006 - BAR C 6 Double profile rubber safety edge (L 6000 x H 60 mm)
	N190039 - CSP 10 Rubber shock absorber profile length 1000 mm		N190040 - CSP 20 Rubber shock absorber profile length 2000 mm









RUBBER PROFILES

	N190041 - CSP 25 Rubber shock absorber profile length 2500 mm		P111451 00004 - BAR C BA 4 Double profile safety edge with lip seals (L4000xh60 mm.) BAR C BA 4
	P111451 00002 - BAR C BA 2 Double profile safety edge with lip seals (L2000xh60 mm.) BAR C BA 2		P111451 00006 - BAR C BA 6 Double profile safety edge with lip seals (L6000xh60 mm.) BAR C BA 6
	D221074 - TB Plug for BIR C - TB		N999025 - TA TA TAPPI BAR

SOLENOID LOCKS

	P123001 00001 - EBP 230 V electric drop lock		P123001 00013 - EBP 24 24 V solenoid lock, with 230/24 V transformer installable in control panel
	D121017 - ECB SX Left-hand horizontal solenoid lock, 12/24 V		P123006 00001 - EBPE 52 230 V solenoid lock with zero stop resistance, also with release from outside for gates of max thickness 50 mm
	P123008 00001 - EBPE 75 230 V solenoid lock with zero stop resistance, also with release from outside for gates of max thickness 75 mm		D121016 - ECB DX Right-hand horizontal solenoid lock, 12/24 V
	D121018 - ECB VERTICALE Vertical solenoid lock, 12/24 V		P123006 00013 - EBPE 52 24V EBPE 52 24 V with transformer
	P123001 00004 - EBP 120 Drop electric lock + transf. 24/120 V 60 Hz		P123001 00019 - EBP24 120 Drop electric lock + transf. 24/120 V 60 Hz

RELEASE SYSTEMS

	N733189 - SCT Release for ELI 250 and SUB BT with personalized key.		N733392 - SCC Release for ELI 250N and SUB BT with lever key.
	D610180 - CLS Triangular release key l=52 mm		D610256 - CLS/82 Triangular release key for SUB operators l=82 mm
	P115003 - ST Automatic bolt release for sectional doors		N733069 - SET/S External release for insulated sectional and overhead doors of thickness up to 50 mm.



RELEASE SYSTEMS


	N733422 - RCAL Lever release with steel cable, length 7 m. Compatible with BOX.		N733020 - SEB External key release for BERMA, FORB, IGEA LB and IGEA LB BT
	N733036 - MOX External release system to be inserted in SIBOX safe		N574039 - BOX Wall cabinet for release with steel cable and electric control; cable not included
	N574005 - SIBOX Empty wall-mounted safe for external release and control keypad Dimensions 179.5 x 122 x 92 mm		N733502 - SCP Release for ELI 250 and SUB BT with personalized key.
	D531097 00001 - CRC SPARE KEY Release key for INTRO model key selector and EBP model electric lock.		

 U-Link

 Quick Delivery

 New

 Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278	signalling devices	P. 283
P. 278	safety devices - photocells and accessories	P. 283
P. 279	safety devices - sensitive edges	P. 285
P. 280	rubber profiles	P. 285
P. 280	solenoid locks	P. 286
P. 281	release systems	P. 287
P. 281		



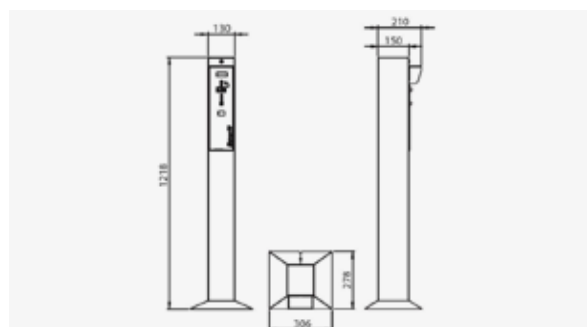
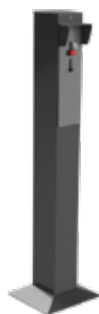
Parking management systems










ESPAS 10

Entry/exit station for parking systems for collective use, able to operate in "stand-alone" mode. The unit provides entrance and exit control and can be connected to electromechanical barriers.




	ESPAS 10 MONEY BOX 1EUR	ESPAS 10 MONEY BOX 2EUR	ESPAS 10 MONEY BOX PLUS EUR	ESPAS 10 MONEY BOX PLUS PLN	ESPAS 10 COIN
Gross weight	18 kg	18 kg	18 kg	18 kg	18 kg
Material	Cabinet in 2.0 mm thick dd11-en10111 steel sheet	Cabinet in 2.0 mm thick dd11-en10111 steel sheet	Cabinet in 2.0 mm thick dd11-en10111 steel sheet	Cabinet in 2.0 mm thick dd11-en10111 steel sheet	Cabinet in 2.0 mm thick dd11-en10111 steel sheet
Standard color	RAL7015	RAL7015	RAL7015	RAL7015	RAL7015
Operating temperature	-30 ÷ 50 °C	-30 ÷ 50 °C	-30 ÷ 50 °C	-30 ÷ 50 °C	-30 ÷ 50 °C
Max power consumption	0 W	0 W	20 W	20 W	0 W
Supply voltage	230VAC. 50Hz	230VAC. 50Hz	230VAC. 50Hz	230VAC. 50Hz	230VAC. 50Hz

VERSIONS

 <p>P2092EU10 - ESPAS 10 MONEY BOX 1EUR</p> <p>The ESPAS 10 MONEY BOX 1 EUR station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the other passages are managed by ESPAS 20 posts. The device accepts only 1 euro coins.</p>	 <p>P2092EU20 - ESPAS 10 MONEY BOX 2EUR</p> <p>The ESPAS 10 MONEY BOX 2 EUR station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the other passages are managed by ESPAS 20 posts. The device accepts only 2euro coins.</p>
 <p>P2093EU00 - ESPAS 10 MONEY BOX PLUS EUR</p> <p>The ESPAS 10 MONEY BOX PLUS station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the other passages are managed by ESPAS 20 posts. The device accepts Euro coins. A fixed amount can be set.</p>	 <p>P2093ZL00 - ESPAS 10 MONEY BOX PLUS PLN</p> <p>The ESPAS 10 MONEY BOX PLUS station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the other passages are managed by ESPAS 20 posts. The device accepts Zloty coins. A fixed amount can be set.</p>
 <p>P20910000 - ESPAS 10 COIN</p> <p>The ESPAS 10 COIN station, combined with an electromechanical barrier, is a device to control an entry or exit point of a car park. The station can be incorporated in a system in which the other passages are managed by ESPAS 20 posts. The device accepts only tokens.</p>	

RECOMMENDED ACCESSORIES

 <p>P800128 - ESPAS 10 PROGRAMMER KIT</p> <p>Software for rates programming for Money Box Plus station (serial interface, USB memory stick with sw, USB to RS232 converter included)</p>	<p>D121767 - RELE' TEMP</p> <p>Temporized relay (1 switch, 16A 0,1s, 24hrs, multitension)</p>
<p>FP208003 - QUADRO DETECTOR</p> <p>Loop detector box for counting system (2 channel loop detector included)</p>	<p>P800015 - TOKENS</p> <p>Tokens for ESPAS 10 COIN</p>

ESPAS 20

Stand-alone system solution able to work without any wired connection; this is allowing to have a system able to work without the need of expensive civil work for the ducts. This modular system works based on the fact that all information are carried by means of the 2D barcode in the ticket. Easy to install and maintain thanks to the acces placed in front of the station.



	ESPAS 20-I	ESPAS 20-U	ESPAS 20-SA	ESPAS 20-T	ESPAS 20-P
Supply voltage	230 VAC ±10%. 50Hz-60Hz	230 VAC ±10%. 50Hz-60Hz	230 VAC ±10%. 50Hz-60Hz	230 VAC ±10%. 50Hz-60Hz	230 VAC ±10%. 50Hz-60Hz
Max power consumption	200 W	200 W	200 W	70 W	350 W
Idle power consumption	70 W	70 W	70 W	10 W	150 W
Operating temperature	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	-20 ÷ 50 °C	0 ÷ 55 °C
Sizes	1265 x 341 x 315 mm	1265 x 341 x 315 mm	1265 x 341 x 315 mm	248 x 160 x 315 mm	1657 x 670 x 435 mm
Gross weight	60 kg	60 kg	60 kg	4 kg	100 kg
Standard communication interface	RS485	RS485	RS485	-	TCP/IP
Standard color	RAL7015	RAL7015	RAL7015	RAL7015	RAL7015
Material	Cabinet in 2.0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in FE360B steel sheet;	Powder coated galvanized steel body.

RECOMMENDED ACCESSORIES

<p>D113708 - KIT CAPIENZA</p> <p>The Kit Capienza is a device used to manage the occupancy status of a stand alone car park or to regulate the transit of an alternating one-way track. It consists of: waterproof box, control board to manage inputs and outputs, backlit LCD display, 12 keys numeric keypad for programming.</p>	<p>P975073 - TRAFFIC LIGHT PANEL IT</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
<p>P975075 - TRAFFIC LIGHT PANEL DE</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	<p>P975074 - TRAFFIC LIGHT PANEL EN</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>



RECOMMENDED ACCESSORIES

 <p>P975077 - TRAFFIC LIGHT PANEL ES</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P975076 - TRAFFIC LIGHT PANEL FR</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P975078 - TRAFFIC LIGHT PANEL PL</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231680 - TRAFFIC LIGHT 2-SIDE PANEL IT</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P2231681 - TRAFFIC LIGHT 2-SIDE PANEL DE</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231682 - TRAFFIC LIGHT 2-SIDE PANEL EN</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P2231683 - TRAFFIC LIGHT 2-SIDE PANEL ES</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231684 - TRAFFIC LIGHT 2-SIDE PANEL FR</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
<p>130282 - POLE SUPPORT D60 H3500</p> <p>Galvanized steel pole support for panels. Diam. 60mm - h 3500mm</p>	 <p>135993 - CIT-BUS DIGITAL INTERCOM 10P</p> <p>Digital Intercom desktop handset for 10 external point.</p>
 <p>135656 - CIT-BUS DIGITAL INTERCOM 20P</p> <p>Digital Intercom desktop handset for 20 external point.</p>	 <p>FP510001 - CIT-BUS POWER SUPPLY BOX</p> <p>Power supply for digital intercom.</p>
 <p>21188 - CIT-BUS POWER SUPPLY BOX & TRANSFERING CALLS</p> <p>Intercom call forwarding for transferring calls to up to 3 numbers in cascade. Only for digital intercom. Power supply included.</p>	 <p>D112063 - CIT-BUS MODULE</p> <p>Digital module for station/automatic cashier</p>
 <p>D113967 - CIT-BUS BARRIER OPENING RELAY</p> <p>Relay for barrier opening by CIT-BUS intercom</p>	 <p>135104 - CIT-BUS EXTERNAL MODULE</p> <p>Outdoor digital intercom station</p>
 <p>P2010042E - ESPAS OFFLINE DISCOUNT PRINTER</p> <p>Off-line desk thermal printer used to print on the ticket an additional barcode tha gives a discount (can be time or amount) on the parking fare. This additional discount (barcode) are then deducted either at the POF or at the Exit station.</p>	<p>new D191186 - FANFOLD GAP TICKETS BFT</p>  <p>Fanfold ticket box, 4000pcs tickets box with gap & BFT logo</p>
 <p>360558 - FANFOLD GAP TICKETS NEUTRAL</p> <p>Fanfold ticket box, 4000pcs tickets box with gap, neutral</p>	 <p>999ASK999 - CUSTOMIZED FANFOLD GAP TICKET</p> <p>Customized fanfold ticket box, 4000pcs tickets box with gap. Minimum 13 boxes.</p>



RECOMMENDED ACCESSORIES


	P800044 - ROLL THERMAL PAPER		D110919 - RFID PROXIMITY CARD 125kHz		
	Roll thermal paper (3000 tickets) for entry station		Proximity RFID card 125KHz for 20-30 system, 1 pcs. Minimum 10pcs.		
	FP208003 - QUADRO DETECTOR				
	Loop detector box for counting system (2 channel loop detector included)				

 U-Link


 Quick Delivery


 New

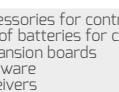
 Phase-out





U-Control app


 complete systems


 Accessories


 accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

 signalling devices

 safety devices - photocells and accessories

 safety devices - sensitive edges

 rubber profiles

 solenoid locks

 release systems



ESPAS 20-I



ESPAS 20



The ESPAS 20-I station combined with an electromechanical barrier is a device for controlling an entry transit point of a parking area. The system works in stand alone mode, and no wiring is required between the various components of the car park. The station performs the rapid issuing of barcode tickets and management of operator cards.

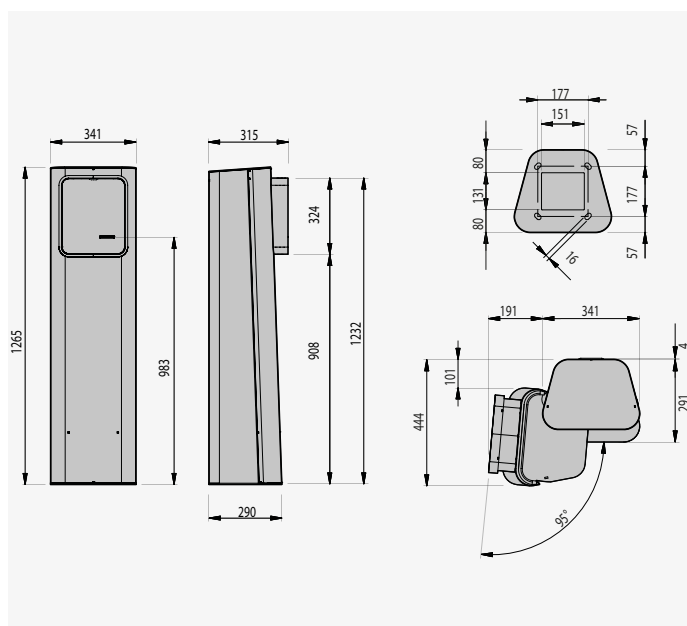
Basic components

- Capacity of 4000 fanfold tickets with easy loading.
- Proximity card reader for operators
- 20 characters x 2 rows backlit LCD display
- Illuminated ticket nozzle
- Internal temperature regulated by forced ventilation and heating element.
- Programmable and highly sensitive two-channels loop detector.
- Automatic barrier management.
- Assistance call button.
- Long-lasting, illuminated, mechanical pushbutton for ticket request
- Fanfold ticket thermal printer.

Optional components

- Digital intercom.
- Barcode scanner.
- Single lane management.
- Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Operator card management	Barrier commands management	Scanner	RFID card reader	Season ticket management	Bus intercom
P211E20I11	ESPAS 20-I	●	●	●		●		
P211C20I11	ESPAS 20-I CIR	●	●	●		●		
P211E2NI11	ESPAS 20-I SCN	●	●	●	●	●	●	
P211E20I10	ESPAS 20-I CIT-BUS	●	●	●		●		●
P211E2NI10	ESPAS 20-I SCN CIT-BUS	●	●	●	●	●	●	●

RECOMMENDED ACCESSORIES

	21261 - KIT STATIONS ANCHOR BASE Column anchor base for 20/30 entry/exit terminals		D110945 - MAGNETIC LOOP 6MT High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT High sensivity pre-cabled magnetic loop (10m tail x 8m loop)		D121711 - HEATER UNIT Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM Traffic light, 2 lights (green/red), diam, 100mm		130198 - TRAFFIC LIGHT LED 100MM Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM Traffic light, 2 lights (green/red), diam, 200mm		130197 - TRAFFIC LIGHT LED 200MM Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT Traffic light pole support		P800044 - ROLL THERMAL PAPER Roll thermal paper (3000 tickets) for entry station
	D576215 - ROLL THERMAL PAPER SUPPORT PIN Support pin for roll thermal paper		D576216 - ROLL THERMAL PAPER HUB Hub for roll thermal paper
	D413445 - TRUCK HEIGHT PEDESTAL 800MM 800mm height pedestal, with door, for entry/exit column		D413530 - BUS HEIGHT PEDESTAL 600MM 600mm height pedestal, with door, for entry/exit column
	D113948 - LOOP DETECTOR PRO 2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.		D113999 - LOOP DETECTOR LITE 2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
	new 394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.		new 394073 - LASER SAFATEY DETECTOR Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.
	new 394075 - LASER DETECTOR REMOTE CONTROL Remote control for settings Safety laser detector and Presence and Safety laser detector.		D112063 - CIT-BUS MODULE Digital module for station/automatic cashier
	D113967 - CIT-BUS BARRIER OPENING RELAY Relay for barrier opening by CIT-BUS intercom		



ESPAS 20-U



The ESPAS 20-U station combined with an electromechanical barrier is a device for controlling an exit transit point of a parking area. The system works in stand alone mode, and no wiring is required between the various components of the car park. It includes scanner for ticket and Proximity Card readers

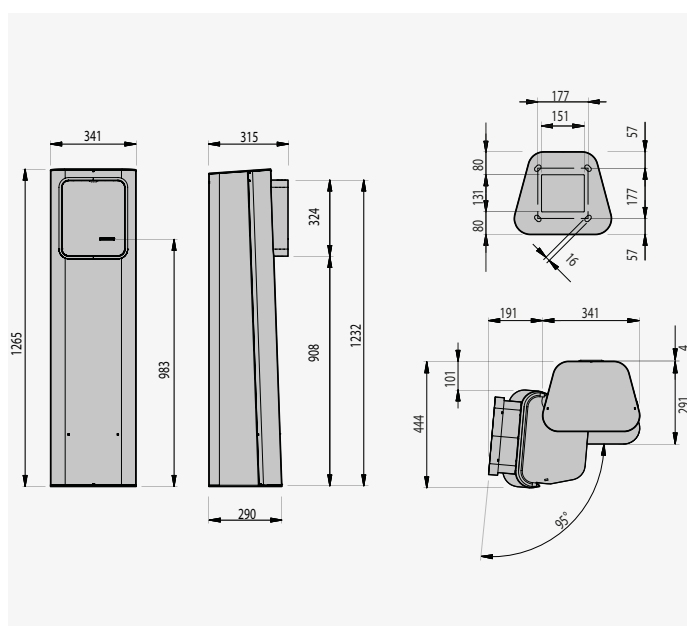
Basic components

- Barcode scanner.
- Proximity card reader for operators
- 20 characters x 2 rows backlit LCD display
- Illuminated ticket nozzle
- Internal temperature regulated by forced ventilation and heating element.
- Programmable and highly sensitive two-channels loop detector.
- Automatic barrier management.
- Assistance call button.

Optional components

- Digital intercom.
- Barcode scanner.
- Single lane management.
- Customizable cabinet colour.

Dimensions



Code	Name	Operator card management	Barrier commands management	Scanner	RFID card reader	Season ticket management	Bus intercom	Motorized ticket reader.
P211E20U11	ESPAS 20-U	●	●	●	●	●		
P211C20U11	ESPAS 20-U CIR	●	●	●	●	●		
P211E20U10	ESPAS 20-U CIT-BUS	●	●	●	●	●	●	
P211E2RU11	ESPAS 20-U PLUS	●	●		●	●		●
P211E2RU10	ESPAS 20-U PLUS CIT-BUS	●	●		●	●	●	●

RECOMMENDED ACCESSORIES

	21261 - KIT STATIONS ANCHOR BASE Column anchor base for 20/30 entry/exit terminals		D110945 - MAGNETIC LOOP 6MT High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT High sensivity pre-cabled magnetic loop (10m tail x 8m loop)		D121711 - HEATER UNIT Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM Traffic light, 2 lights (green/red), diam, 100mm		130198 - TRAFFIC LIGHT LED 100MM Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM Traffic light, 2 lights (green/red), diam, 200mm		130197 - TRAFFIC LIGHT LED 200MM Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT Traffic light pole support		D413445 - TRUCK HEIGHT PEDESTAL 800MM 800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM 600mm height pedestal, with door, for entry/exit column		D113948 - LOOP DETECTOR PRO 2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.
	D113999 - LOOP DETECTOR LITE 2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase		D112063 - CIT-BUS MODULE Digital module for station/automatic cashier
	D113967 - CIT-BUS BARRIER OPENING RELAY Relay for barrier opening by CIT-BUS intercom		new 394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.
	new 394073 - LASER SAFATEY DETECTOR Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.		new 394075 - LASER DETECTOR REMOTE CONTROL Remote control for settings Safety laser detector and Presence and Safety laser detector.



ESPAS 20-SA



The ESPAS 20-SA station combined with an electromechanical barrier is a device for controlling an entry or exit transit point of a parking area. The system works in stand alone mode, and no wiring is required between the various components of the car park. The station can manage proximity cards for operators.

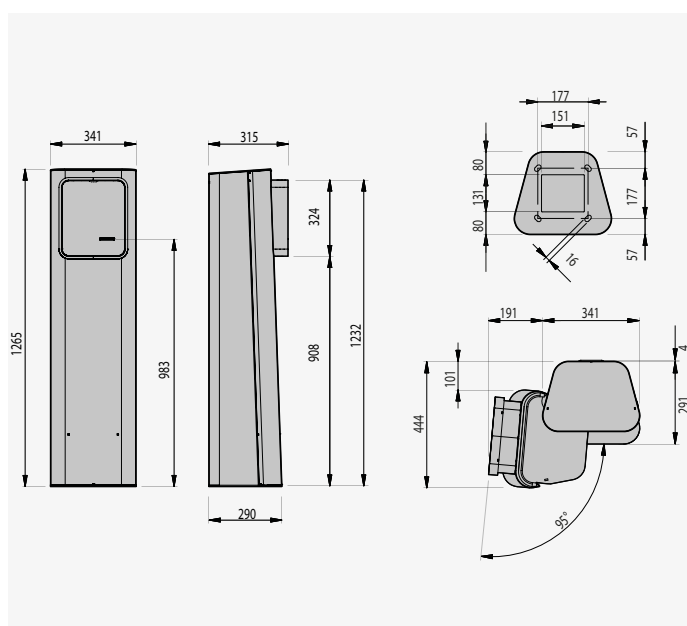
Basic components

Proximity card reader for operators
20 characters x 2 rows backlit LCD display
Internal temperature regulated by forced ventilation
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.

Optional components

Digital intercom.
Customizable cabinet colour.

Dimensions



Code	Name	Operator card management	Barrier commands management	RFID card reader	Bus intercom
P211E20A11	ESPAS 20-SA	●	●	●	
P211E20A10	ESPAS 20-SA CIT-BUS	●	●	●	●

RECOMMENDED ACCESSORIES



21261 - KIT STATIONS ANCHOR BASE
















Column anchor base for 20/30 entry/exit terminals



D110945 - MAGNETIC LOOP 6MT

High sensivity pre-cabled magnetic loop (10m tail x 6m loop)

RECOMMENDED ACCESSORIES

	D141784 - MAGNETIC LOOP 8MT High sensivity pre-cabled magnetic loop (10m tail x 8m loop)		D121711 - HEATER UNIT Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM Traffic light, 2 lights (green/red), diam. 100mm		130198 - TRAFFIC LIGHT LED 100MM Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM Traffic light, 2 lights (green/red), diam. 200mm		130197 - TRAFFIC LIGHT LED 200MM Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT Traffic light pole support		D413445 - TRUCK HEIGHT PEDESTAL 800MM 800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM 600mm height pedestal, with door, for entry/exit column		D113948 - LOOP DETECTOR PRO 2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.
	D113999 - LOOP DETECTOR LITE 2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase		D112063 - CIT-BUS MODULE Digital module for station/automatic cashier
	D113967 - CIT-BUS BARRIER OPENING RELAY Relay for barrier opening by CIT-BUS intercom		new 394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.
	new 394073 - LASER SAFATEY DETECTOR Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.		new 394075 - LASER DETECTOR REMOTE CONTROL Remote control for settings Safety laser detector and Presence and Safety laser detector.



ESPAS 20-T



ESPAS 20



The Espas 20-T desktop validator is an all in one device for stand alone systems that performs all the functions of an attended station without wiring and without the use of a PC.

This device allow to program linear fare depending on parking time
It allows also to print special ticket, subscription ticket and income report

Basic components

20 characters x 2 rows backlit LCD display

3 push button for menu selection and print of special ticket such as subscriber tickets, free exit, lost ticket

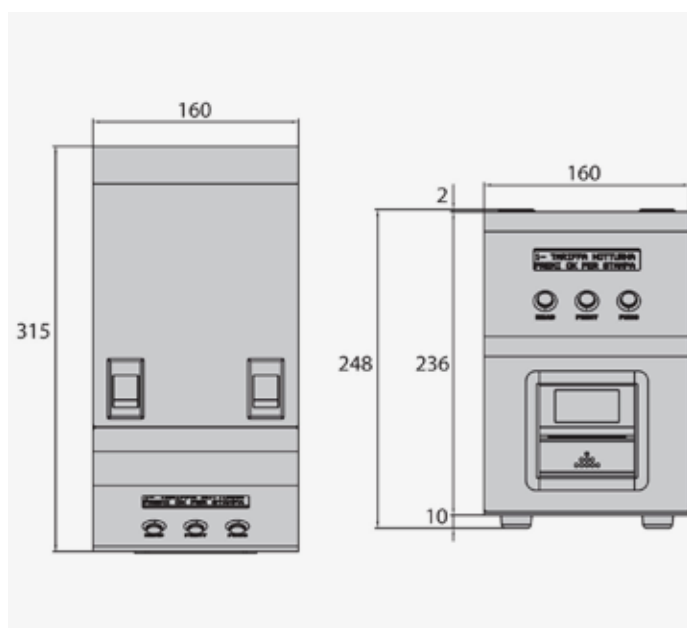
Fanfold ticket thermal printer.

Barcode scanner.

Linear fare computation and programming

Income report split by operator shift

Dimensions



Code	Name	Thermal printer	LCD display	Scanner	Season ticket management
FP205010	ESPAS 20-T	●	●	●	●

ESPAS 20-P



The ESPAS 20-P is a stand-alone automatic POF machine for Parking systems working without operator.
It allows customized fare programming
This unit has devices for coin and notes payments

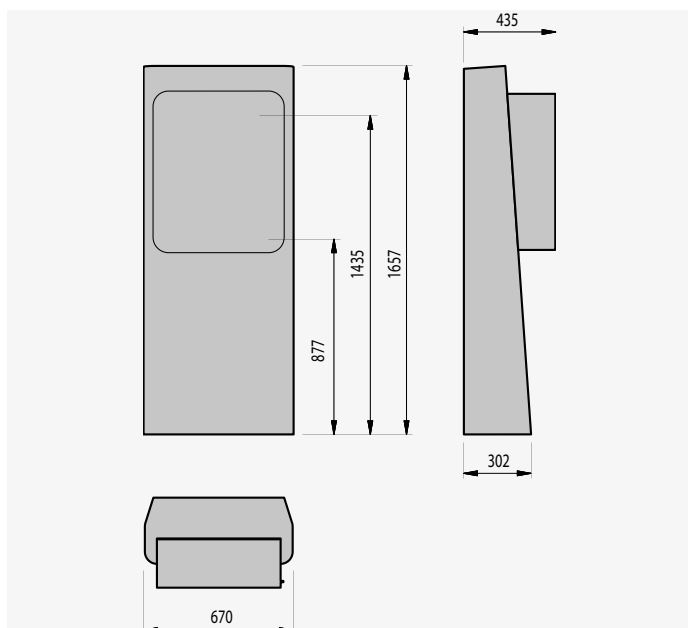
Basic components

Fanfold ticket thermal printer
20 characters x 4 rows backlit LCD display
Multilanguage display messages
Motorized ticket reader with receipt printing function
Coins reader with change giver (up to six seizes)
Two high capacity hoppers with auto refill
Notes reader with change giver (up to two seizes)
Removable banknote and coin collection boxes with safety keys.
Lost ticket function
Heating fan with electronic temperature control

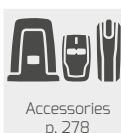
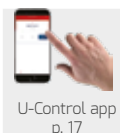
Optional components

Digital intercom.
Credit card reader and contactless devices
Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Coin acceptor	Hopper for coins	Banknote acceptor	Banknote recycler	Bus intercom	LCD display	Credit card - Micropayments
P214E201EU001	ESPAS 20-P EUR	●	●	●	●	●		●	
P214E201KN001	ESPAS 20-P HRK	●	●	●	●	●		●	
P214E201ZL001	ESPAS 20-P PLN	●	●	●	●	●		●	
P214E201PM001	ESPAS 20-P MXN	●	●	●	●	●		●	
P214E201CZ001	ESPAS 20-P CZK	●	●	●	●	●		●	
P214E201LR001	ESPAS 20-P RON	●	●	●	●	●		●	
P214E201DM001	ESPAS 20-P AED	●	●	●	●	●		●	
P214E201GB001	ESPAS 20-P GBP	●	●	●	●	●		●	
P214E200EU001	ESPAS 20-P CIT-BUS EUR	●	●	●	●	●	●	●	



accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices

P. 278 signalling devices
P. 278 safety devices - photocells and accessories
P. 279 safety devices - sensitive edges
P. 280 rubber profiles
P. 280 solenoid locks
P. 281 release systems
P. 281

P. 283
P. 283
P. 285
P. 285
P. 286
P. 287



Code	Name		Thermal printer	Coin acceptor	Hopper for coins	Banknote acceptor	Banknote recycler	Bus intercom	LCD display	Credit card - Micropayments
P214E200GB001	ESPAS 20-P CIT-BUS GBP		●	●	●	●	●	●	●	
P214E201EU101	ESPAS 20-P SM EUR		●	●	●	●	●	●	●	
P214E201ZL101	ESPAS 20-P SM PLN		●	●	●	●	●	●	●	
P214E200EU101	ESPAS 20-P SM CIT-BUS EUR		●	●	●			●	●	
P214E200GB101	ESPAS 20-P SM CIT-BUS GBP		●	●	●			●	●	
P214E201EU081	ESPAS 20-P CCN EUR		●	●	●	●	●		●	●
P214E201AD081	ESPAS 20-P CCN AUD		●	●	●	●	●		●	●
P214E201GB081	ESPAS 20-P CCN GBP		●	●	●	●	●		●	●
P214E201LR081	ESPAS 20-P CCN RON		●	●	●	●	●		●	●
P214E201EU381	ESPAS 20-P SCCN EUR		●						●	●
P214E201AD381	ESPAS 20-P SCCN AUD		●						●	●
P214E201GB381	ESPAS 20-P SCCN GBP		●						●	●
P214E200EU081	ESPAS 20-P CCN CIT-BUS EUR		●	●	●	●	●	●	●	●

ESPAS 30

Parking system for commercial and professional application where it is possible to have the system cabled via RS485 or TCP/IP. The extreme modularity allows to solve the majority of all application including lot booking function, car license plate recognition, charging station interface etc. All operations at Entry, POF machine and Exit are displayed on the displays together with voice messages in order to have a user friendly experience for the customer. The Software Management System of this Solution allows to monitor all devices and to quickly have control of all records regarding the Parking usage.















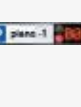
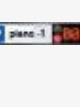




	ESPAS 30-I	ESPAS 30-U	ESPAS 30-U CC	ESPAS 30-SA	ESPAS 30-P
Supply voltage	230 VAC $\pm 10\%$. 50Hz-60Hz	230 VAC $\pm 10\%$. 50Hz-60Hz	230 VAC $\pm 10\%$. 50Hz-60Hz	230 VAC $\pm 10\%$. 50Hz-60Hz	230 VAC $\pm 10\%$. 50Hz-60Hz
Max power consumption	200 W	200 W	230 W	200 W	350 W
Idle power consumption	70 W	70 W	90 W	70 W	150 W
Operating temperature	-20 \div 50 $^{\circ}\text{C}$	-20 \div 50 $^{\circ}\text{C}$	-20 \div 50 $^{\circ}\text{C}$	-20 \div 50 $^{\circ}\text{C}$	0 \div 50 $^{\circ}\text{C}$
Sizes	1265 x 341 x 315 mm	1265 x 341 x 315 mm	1265 x 341 x 364 mm	1265 x 341 x 315 mm	1657 x 670 x 435 mm
Gross weight	60 kg	60 kg	65 kg	60 kg	100 kg
Standard communication interface	RS485	RS485	RS485 – TCP/IP	RS485	TCP/IP
Standard color	RAL7015	RAL7015	RAL7015	RAL7015	RAL7015
Material	Cabinet in 2.0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick FE360B steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Powder coated galvanized steel body.

RECOMMENDED ACCESSORIES

















	P975073 - TRAFFIC LIGHT PANEL IT Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.		P975075 - TRAFFIC LIGHT PANEL DE Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.
--	--	--	--



RECOMMENDED ACCESSORIES

 <p>P975074 - TRAFFIC LIGHT PANEL EN</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P975077 - TRAFFIC LIGHT PANEL ES</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P975076 - TRAFFIC LIGHT PANEL FR</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P975078 - TRAFFIC LIGHT PANEL PL</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P975079 - TRAFFIC LIGHT PANEL HR</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231680 - TRAFFIC LIGHT 2-SIDE PANEL IT</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P2231681 - TRAFFIC LIGHT 2-SIDE PANEL DE</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231682 - TRAFFIC LIGHT 2-SIDE PANEL EN</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P2231683 - TRAFFIC LIGHT 2-SIDE PANEL ES</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231684 - TRAFFIC LIGHT 2-SIDE PANEL FR</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P22312M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER</p> <p>Panel backlit with crepuscular function and indication of: Free/Empty (Led light Green/Red). RS485 interface, 3 digit for spaces. Dimensions: 600x800x55. RS485/RS232 converter, 230VAC power supply. Mounting bracket for pole included.</p>	 <p>P22319M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE</p> <p>Panel backlit with crepuscular function and indication of: Free/Empty (Led light Green/Red). RS485 interface, 3 digit for spaces. Dimensions: 600x800x55, 230VAC . Mounting bracket for pole included. RS485/RS232 converter not included.</p>
 <p>P22322M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER - HORIZONTAL</p> <p>Horizontal backlit panel with crepuscular function and indication of: Free/Empty (Led light Green/Red), 3 digit for spaces. RS485/RS232 converter, mounting bracket for pole included.</p>	 <p>P22329M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE - HORIZONTAL</p> <p>Horizontal backlit panel with crepuscular function and indication of: Free/Empty (Led light Green/Red), 3 digit for spaces. RS485/RS232 converter NOT included. Mounting bracket for pole included.</p>
 <p>P800142 - COPPIA RADIOMODEM RTX 868MHz (Master)</p> <p>2 Modem radio Master with RS485 interface for data tx without cable connection. This device allows, as an example, to exchange data between the Parking server and Traffic light panel. Maximum range is 1500 mtr in case there are no obstacles. Within urban areas the range is limited to 300 mtr. The kit includes: 2 devices with protected IP66 box, support for pole with Diam. 60mm, SMA connector and antenna, power supply 12/24DC.</p>	 <p>P800141 - RADIOMODEM RTX 868MHz (Slave)</p> <p>Modem radio Slave with RS485 interface for data tx without cable connection, to use with COPPIA RADIOMODEM RTX 868MHZ (Master). This device allows, as an example, to exchange data between the Parking server and Traffic light panel. Maximum range is 1500 mtr in case there are no obstacles. Within urban areas the range is limited to 300 mtr. The kit includes: protected IP66 box, support for pole with Dia 60mm, SMA connector and antenna, power supply 12/24VDC.</p>
 <p>P2010042E - ESPAS OFFLINE DISCOUNT PRINTER</p> <p>Off-line desk thermal printer used to print on the ticket an additional barcode tha gives a discount (can be time or amount) on the parking fare. This additional discount (barcode) are then deducted either at the POF or at the Exit station.</p>	 <p>D191186 - FANFOLD GAP TICKETS BFT</p> <p>Fanfold ticket box, 4000pcs tickets box with gap & BFT logo</p>

RECOMMENDED ACCESSORIES

 <p>360558 - FANFOLD GAP TICKETS NEUTRAL</p> <p>Fanfold ticket box, 4000pcs tickets box with gap, neutral</p>	 <p>999ASK999 - CUSTOMIZED FANFOLD GAP TICKET</p> <p>Customized fanfold ticket box, 4000pcs tickets box with gap. Minimum 13 boxes.</p>
 <p>D110919 - RFID PROXIMITY CARD 125kHz</p> <p>Proximity RFID card 125KHz for 20-30 system, 1 pcs. Minimum 10pcs.</p>	 <p>D191145 - MIFARE PROXIMITY CARD 13,56MHz</p> <p>Proximity MIFARE 13,56MHz card for 30 system</p>
 <p>FP208003 - QUADRO DETECTOR</p> <p>Loop detector box for counting system (2 channel loop detector included)</p>	 <p>135993 - CIT-BUS DIGITAL INTERCOM 10P</p> <p>Digital Intercom desktop handset for 10 external point.</p>
 <p>135656 - CIT-BUS DIGITAL INTERCOM 20P</p> <p>Digital Intercom desktop handset for 20 external point.</p>	 <p>FP510001 - CIT-BUS POWER SUPPLY BOX</p> <p>Power supply for digital intercom.</p>
 <p>21188 - CIT-BUS POWER SUPPLY BOX & TRANSFERING CALLS</p> <p>Intercom call forwarding for transferring calls to up to 3 numbers in cascade. Only for digital intercom. Power supply included.</p>	 <p>D112063 - CIT-BUS MODULE</p> <p>Digital module for station/automatic cashier</p>
 <p>D113967 - CIT-BUS BARRIER OPENING RELAY</p> <p>Relay for barrier opening by CIT-BUS intercom</p>	 <p>135104 - CIT-BUS EXTERNAL MODULE</p> <p>Outdoor digital intercom station</p>
 <p>D112074 - IP MODULE</p> <p>IP intercom module (stations/POF)</p>	 <p>135810 - CONTROL DESK IP</p> <p>IP intercom contro Desk - 3,5" TFT display</p>
 <p>D114098 - CONTROL DESK IP TOUCH</p> <p>IP intercom contro Desk - 7" IPS display touch screen</p>	 <p>D114006 - CIT-IP EXTERNAL MODULE 1P</p> <p>Outdoor IP intercom station, 1 button</p>



ESPAS 30-I



The ESPAS 30-I station combined with an electromechanical barrier is a device for controlling an entry gate to a parking area. The unit works in a wired network as a component between the other elements of the system. The station performs the rapid issuing of barcode tickets, management of subscription and operator cards. The display and voice messages guide improve the user experience.

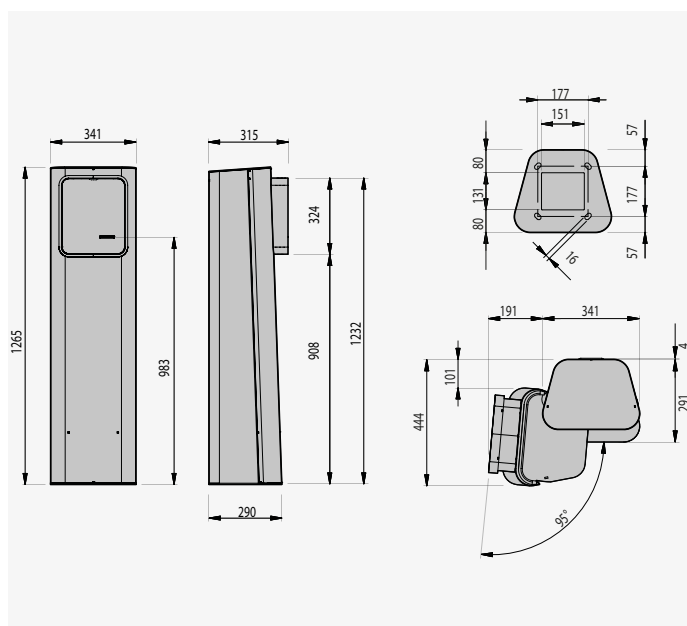
Basic components

- Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
- Fanfold ticket thermal printer.
- Capacity of 4000 fanfold tickets with easy loading.
- Proximity card reader for operators and subscriptions.
- 20 characters x 2 rows backlit LCD display
- Illuminated ticket nozzle
- Multilanguage audio and display messages.
- Internal temperature regulated by forced ventilation and heating element.
- Programmable and highly sensitive two-channels loop detector.
- Automatic barrier management.
- Assistance call button.
- Long-lasting, illuminated, mechanical pushbutton for ticket request
- RS485 interface.
- Guaranteed operation also during server offline periods.
- Working mode configurable by software, control board or operator cards.
- Alarms management with notification to the parking server.

Optional components

- Proximity MIFARE card reader for operators and subscriptions.
- Bus or IP intercom.
- Barcode scanner.
- Management of up to 3 fee rates, allowing issue of tickets
- RS485 / LAN converter.
- Single lane, two ways gate management.
- Double-height terminals availability.
- Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Vehicle fare differentiation	Scanner	Bus intercom	IP intercom	RFID card reader	MIFARE card reader	Ticket pass management	Double height low & high vehicle	Reservation management
P211E30I11	ESPAS 30-I	●	●				●				
P211E3NI11	ESPAS 30-I SCN	●	●	●			●		●		●
P211E30I10	ESPAS 30-I CIT-BUS	●	●		●		●				
P211E30I15	ESPAS 30-I CIT-IP	●	●			●	●				
P211E3NI15	ESPAS 30-I SCN CIT IP	●	●	●		●	●		●		●
P211E3MI10	ESPAS 30-I MIFARE CIT-BUS	●	●		●			●			
P211E3MI11	ESPAS 30-I MIFARE	●	●					●			
P211E3MI15	ESPAS 30-I MIFARE CIT-IP	●	●			●		●			









Code	Name		Thermal printer	Vehicle fare differentiation	Scanner	Bus intercom	IP intercom	RFID card reader	MIFARE card reader	Ticket pass management	Double height low & high vehicle	Reservation management
P211E3SI11	ESPAS 30-I SCN MIFARE		●	●	●				●	●		●
P211E3NI10	ESPAS 30-I SCN CIT-BUS		●	●	●	●		●		●		●
P211EHHI11	ESPAS 30-I DA		●	●				●			●	
P211EHHI10	ESPAS 30-I DA CIT-BUS		●	●		●		●			●	
P211EHHI15	ESPAS 30-I DA CIT-IP		●	●			●	●			●	
P211EHN10	ESPAS 30-I DA SCN CIT-BUS		●	●	●	●		●		●	●	●
P211EHN15	ESPAS 30-I DA SCN CIT-IP		●	●	●		●	●		●	●	●

RECOMMENDED ACCESSORIES

	21261 - KIT STATIONS ANCHOR BASE			D110945 - MAGNETIC LOOP 6MT
	Column anchor base for 20/30 entry/exit terminals			High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT			D121711 - HEATER UNIT
	High sensivity pre-cabled magnetic loop (10m tail x 8m loop)			Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM			130198 - TRAFFIC LIGHT LED 100MM
	Traffic light, 2 lights (green/red), diam. 100mm			Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM			130197 - TRAFFIC LIGHT LED 200MM
	Traffic light, 2 lights (green/red), diam. 200mm			Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT			D413445 - TRUCK HEIGHT PEDESTAL 800MM
	Traffic light pole support			800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM			D113999 - LOOP DETECTOR LITE
	600mm height pedestal, with door, for entry/exit column			2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
	D113948 - LOOP DETECTOR PRO			D112063 - CIT-BUS MODULE
	2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.			Digital module for station/automatic cashier
	D113967 - CIT-BUS BARRIER OPENING RELAY			P800138 - KIT DENEb TO DENEb
	Relay for barrier opening by CIT-BUS intercom			Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.



RECOMMENDED ACCESSORIES

	 P800137 - KIT INTERLOCK FOR PARKING		D112074 - IP MODULE
	Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.		IP intercom module (stations/POF)
	 394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS		 394073 - LASER SAFATEY DETECTOR
	 394075 - LASER DETECTOR REMOTE CONTROL		P800132 - 485-TCP/IP CONVERTER KIT
	Remote control for settings Safety laser detector and Presence and Safety laser detector.		The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

ESPAS 30-U



The ESPAS 30-U station combined with an electromechanical barrier is a device for controlling an exit gate from a parking area. The unit works in a wired network as a component between the other elements of the system. Equipped with ticket scanner and discount amount, proximity reader for operator and subscriber card. The display and voice messages guide improve the user experience.

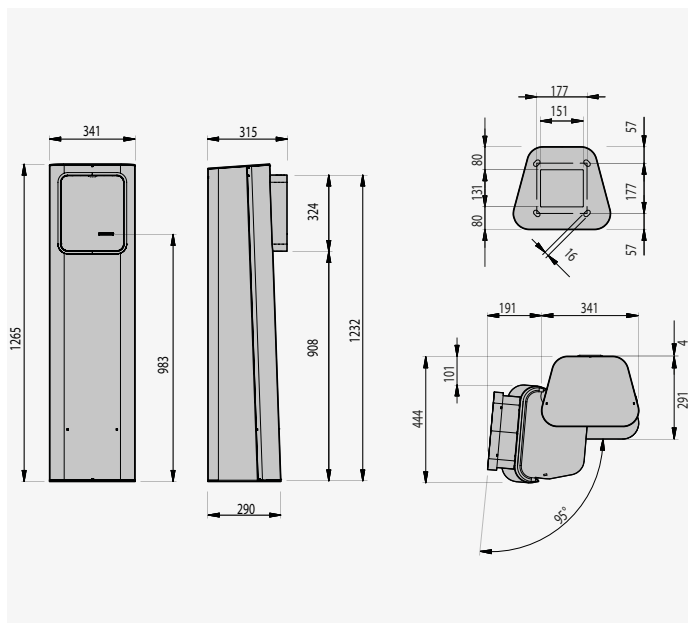
Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
Barcode scanner.
Proximity card reader for operators and subscriptions.
20 characters x 2 rows backlit LCD display
Illuminated ticket nozzle
Multilanguage audio and display messages.
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
RS485 interface.
Guaranteed operation also during server offline periods.
Working mode configurable by software, control board or operator cards.
Alarms management with notification to the parking server.

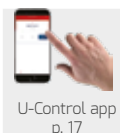
Optional components

Proximity MIFARE card reader for operators and subscriptions.
Bus or IP intercom.
Motorized ticket reader.
Barcode scanner.
Single lane, two ways gate management.
Cage barriers management.
Double-height terminals availability.
Customizable cabinet colour.

Dimensions



Code	Name	Scanner	Motorized ticket reader	Bus intercom	IP intercom	RFID card reader	MIFARE card reader	Ticket pass management	Double height low & high vehicle
P211E30U11	ESPAS 30-U	●				●		●	
P211E30U10	ESPAS 30-U CIT-BUS	●		●		●		●	
P211E30U15	ESPAS 30-U CIT-IP	●			●	●		●	
P211E3MU11	ESPAS 30-U MIFARE	●					●	●	
P211E3MU10	ESPAS 30-U MIFARE CIT-BUS	●		●			●	●	
P211E3MU15	ESPAS 30-U MIFARE CIT-IP	●			●		●	●	











accessories for control units
set of batteries for control units
expansion boards
software
receivers
transmitters
control devices














P. 278 signalling devices
P. 278 safety devices - photocells and accessories
P. 279 safety devices - sensitive edges
P. 280 rubber profiles
P. 280 solenoid locks
P. 281 release systems
P. 281

P. 283
P. 283
P. 285
P. 285
P. 286
P. 287



Code	Name	Scanner	Motorized ticket reader.	Bus intercom	IP intercom	RFID card reader	MIFARE card reader	Ticket pass management	Double height low & high vehicle
P211E30U16	ESPAS 30-U VCIT-IP 	●				●		●	
P211E3RU11	ESPAS 30-U PLUS 		●			●		●	
P211E3RU10	ESPAS 30-U PLUS CIT-BUS 		●	●		●		●	
P211E3RU15	ESPAS 30-U PLUS CIT-IP 		●		●	●		●	
P211EHHU11	ESPAS 30-U DA 	●				●		●	●
P211EHHU10	ESPAS 30-U DA CIT-BUS 	●		●		●		●	●
P211EHRU10	ESPAS 30-U DA PLUS CIT-BUS 		●	●		●		●	●
P211EHRU15	ESPAS 30-U DA PLUS CIT-IP 		●		●	●		●	●

RECOMMENDED ACCESSORIES

 21261 - KIT STATIONS ANCHOR BASE Column anchor base for 20/30 entry/exit terminals	 D110945 - MAGNETIC LOOP 6MT High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
 D141784 - MAGNETIC LOOP 8MT High sensivity pre-cabled magnetic loop (10m tail x 8m loop)	 D121711 - HEATER UNIT Heater unit 60W for internal station/POF installation on DIN bar
 D121458 - TRAFFIC LIGHT 100MM Traffic light, 2 lights (green/red), diam, 100mm	 130198 - TRAFFIC LIGHT LED 100MM Traffic light, 2 LEDs light, diam. 100mm
 130186 - TRAFFIC LIGHT 200MM Traffic light, 2 lights (green/red), diam, 200mm	 130197 - TRAFFIC LIGHT LED 200MM Traffic light, 2 LEDs light, diam. 200mm
139047 - TRAFFIC LIGHT POLE SUPPORT Traffic light pole support	 D413445 - TRUCK HEIGHT PEDESTAL 800MM 800mm height pedestal, with door, for entry/exit column
 D413530 - BUS HEIGHT PEDESTAL 600MM 600mm height pedestal, with door, for entry/exit column	 D113999 - LOOP DETECTOR LITE 2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
 D113948 - LOOP DETECTOR PRO 2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.	 D112063 - CIT-BUS MODULE Digital module for station/automatic cashier

RECOMMENDED ACCESSORIES

	<p>D113967 - CIT-BUS BARRIER OPENING RELAY</p> <p>Relay for barrier opening by CIT-BUS intercom</p>		<p>P800138 - KIT DENEb TO DENEb</p> <p>Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.</p>
	<p>P800137 - KIT INTERLOCK FOR PARKING</p> <p>Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.</p>		<p>D112074 - IP MODULE</p> <p>IP intercom module (stations/POF)</p>
	<p>394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS</p> <p>Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.</p>		<p>394073 - LASER SAFETY DETECTOR</p> <p>Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.</p>
	<p>394075 - LASER DETECTOR REMOTE CONTROL</p> <p>Remote control for settings Safety laser detector and Presence and Safety laser detector.</p>		<p>P800132 - 485-TCP/IP CONVERTER KIT</p> <p>The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.</p>



ESPAS 30-U CC



The Espas 30-U CC station combined with an electromechanical barrier is a device for managing an exit gate from a parking area and allows payment of the parking by credit card, scanning the entry ticket.

The unit works in a wired network

as a component between the other elements of the system.

Equipped with ticket scanner and discount amount, proximity reader for operator and subscriber card, C/C terminal with CHIP and PIN and contactless.

The display and voice messages guide improve the user experience.

Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.

Fanfold ticket thermal printer for customer's receipt.

Capacity of 4000 fanfold tickets with easy loading.

Credit card module consisting of card reader, pinpad and contactless reader.*

Barcode scanner.

Proximity card reader for operators and subscriptions.

20 characters x 2 rows backlit LCD display

Illuminated ticket nozzle

Multilanguage audio and display messages.

Internal temperature regulated by forced ventilation and heating element.

Programmable and highly sensitive two-channels loop detector.

Automatic barrier management.

Assistance call button.

RS485 - TCP/IP connection.

Ethernet switch with extended temperature range

Guaranteed operation also during server offline periods.

Working mode configurable by software, control board or operator cards.

Alarms management with notification to the parking server.

*NOTE: composition may change, depending on the country

Optional components

Proximity MIFARE card reader for operators and subscriptions.

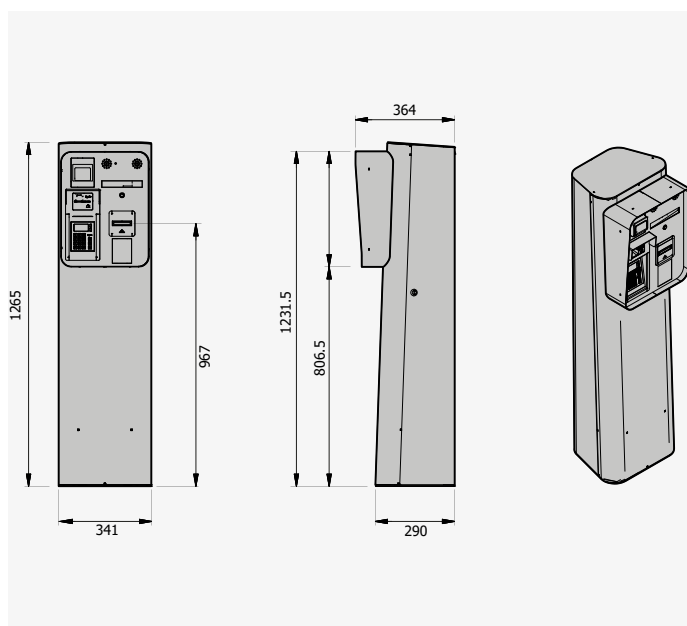
Bus or IP intercom.

Barcode scanner.

Cage barriers management.

Customizable cabinet colour.

Dimensions



Code	Name		Thermal printer	IP intercom	Scanner	RFID card reader	MIFARE card reader	Ticket pass management	Credit card
P211E30P11	ESPAS 30-U CC-ITA		●		●	●		●	●
P211E30F11	ESPAS 30-U CC-FRA		●		●	●		●	●
P211E30K11	ESPAS 30-U CC-UK		●		●	●		●	●
P211E30P15	ESPAS 30-U CC-ITA CIT-IP		●	●	●	●		●	●

RECOMMENDED ACCESSORIES

	21261 - KIT STATIONS ANCHOR BASE Column anchor base for 20/30 entry/exit terminals		D110945 - MAGNETIC LOOP 6MT High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT High sensivity pre-cabled magnetic loop (10m tail x 8m loop)		D121711 - HEATER UNIT Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM Traffic light, 2 lights (green/red), diam, 100mm		130198 - TRAFFIC LIGHT LED 100MM Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM Traffic light, 2 lights (green/red), diam, 200mm		130197 - TRAFFIC LIGHT LED 200MM Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT Traffic light pole support		D413445 - TRUCK HEIGHT PEDESTAL 800MM 800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM 600mm height pedestal, with door, for entry/exit column		D113999 - LOOP DETECTOR LITE 2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
	D113948 - LOOP DETECTOR PRO 2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.		D112063 - CIT-BUS MODULE Digital module for station/automatic cashier
	D113967 - CIT-BUS BARRIER OPENING RELAY Relay for barrier opening by CIT-BUS intercom		P800137 - KIT INTERLOCK FOR PARKING Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.
	D112074 - IP MODULE IP intercom module (stations/POF)		394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.
	394073 - LASER SAFATEY DETECTOR Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.		394075 - LASER DETECTOR REMOTE CONTROL Remote control for settings Safety laser detector and Presence and Safety laser detector.
	P800132 - 485-TCP/IP CONVERTER KIT The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.		



ESPAS 30-SA



The ESPAS 30-SA station combined with an electromechanical barrier is a device for controlling an entry or exit transit point of a parking area. The unit works in a wired network as a component between the other elements of the system. This device allows to manage subscribers and operator card. The display and voice messages guide improve the user experience.

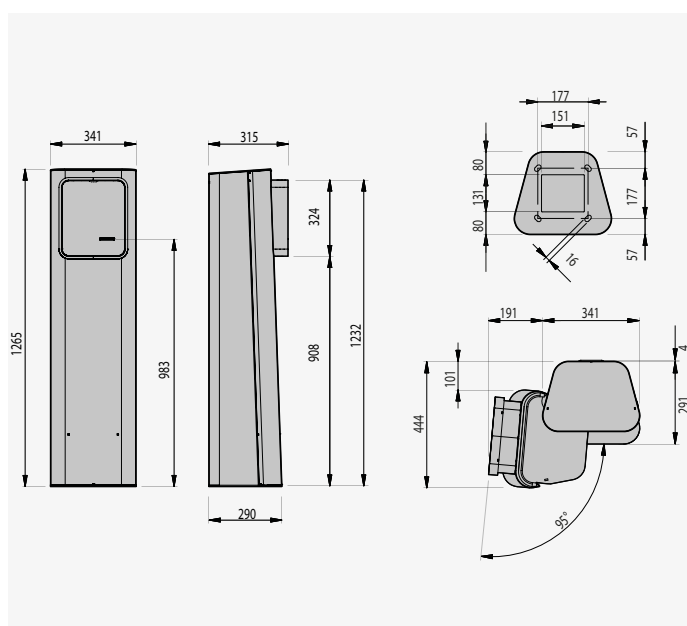
Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
Proximity card reader for operators and subscriptions.
20 characters x 2 rows backlit LCD display
Multilanguage audio and display messages.
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
RS485 interface.
Guaranteed operation also during server offline periods.
Working mode configurable by software, control board or operator cards.
Alarms management with notification to the parking server.





Optional components

Proximity MIFARE card reader for operators and subscriptions.
Bus or IP intercom.
RS485 / LAN converter.
Single lane, two ways gate management.
Cage barriers management.
Double-height terminals availability.
Customizable cabinet colour.

Dimensions



Code	Name		Bus intercom	IP intercom	RFID card reader	MIFARE card reader	Double height low & high vehicle
P211E30A11	ESPAS 30-SA				●		
P211E30A10	ESPAS 30-SA CIT-BUS		●		●		
P211E30A15	ESPAS 30-SA CIT-IP			●	●		
P211E3NA11	ESPAS 30-SA SCN				●		
P211E3MA11	ESPAS 30-SA MIFARE					●	
P211E3MA10	ESPAS 30-SA MIFARE CIT-BUS		●			●	
P211E3MA15	ESPAS 30-SA MIFARE CIT-IP			●		●	
P211E30A16	ESPAS 30-SA VCIT-IP				●		

Code	Name		Bus intercom	IP intercom	RFID card reader	MIFARE card reader	Double height low & high vehicle
P211EHHA15	ESPAS 30-SA DA CIT-IP						

RECOMMENDED ACCESSORIES

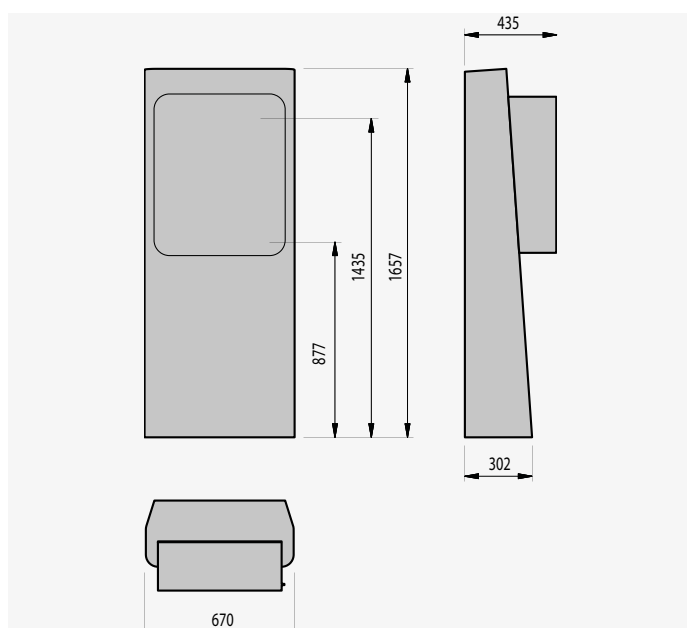
	21261 - KIT STATIONS ANCHOR BASE			D110945 - MAGNETIC LOOP 6MT
	Column anchor base for 20/30 entry/exit terminals			High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT			D121711 - HEATER UNIT
	High sensivity pre-cabled magnetic loop (10m tail x 8m loop)			Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM			130198 - TRAFFIC LIGHT LED 100MM
	Traffic light, 2 lights (green/red), diam, 100mm			Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM			130197 - TRAFFIC LIGHT LED 200MM
	Traffic light, 2 lights (green/red), diam, 200mm			Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT			D413445 - TRUCK HEIGHT PEDESTAL 800MM
	Traffic light pole support			800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM			D113999 - LOOP DETECTOR LITE
	600mm height pedestal, with door, for entry/exit column			2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
	D113948 - LOOP DETECTOR PRO			D112063 - CIT-BUS MODULE
	2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.			Digital module for station/automatic cashier
	D113967 - CIT-BUS BARRIER OPENING RELAY			new P800138 - KIT DENEb TO DENEb
	Relay for barrier opening by CIT-BUS intercom			Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 3D system only.
	new P800137 - KIT INTERLOCK FOR PARKING			D112074 - IP MODULE
	Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.			IP intercom module (stations/POF)
	new P800132 - 485-TCP/IP CONVERTER KIT			
	The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.			



ESPAS 30-P



Dimensions



The ESPAS 30-P POF machine allows payments by reading ticket and subscribers card; hence granting autonomously running of the Parking System without need of an operator

The unit works in a wired network

as a component between the other elements of the system.

The user interface together with LED guidance and voice messaging grand a user friendly experience

This unit has devices for coin and notes payments

Basic components

6.5" high-resolution graphic colour display.

Payment procedures assisted by led guides, multilanguage voice messages and dedicated screens.

Ticket reader scanner.

Coins reader with changegiver (up to six seizures)

Two high capacity hoppers with auto refill

Notes reader with changegiver (up to two seizures)

Removable banknote and coin collection boxes with safety keys.

Alarms management with notification to the parking server.

Proximity card reader for operators and subscriptions.

Fanfold ticket thermal printer for issuing lost ticket, printing receipt and reports.

Receipt request and lost ticket button.

Change languages button.

Intercom with call button (option).

Automatic refund of missing change by scanning the receipt ticket at the automatic pay station.

Cooling fan and heating element with adjustable thresholds.

Door opening sensor.

Opposed bar closure and security locks with burglar-proof technology.

TCP/IP connection.

Payment devices modularity.

Optional components

Proximity MIFARE card reader for operators and subscriptions.

Bus or IP intercom.

Motorized ticket reader module, which prints payment information on ticket.

Credit card reader and contactless devices.

Customizable cabinet colour.

Code	Name		TFT Color display	Motorized ticket reader.	Bus intercom	IP intercom	Credit card	Scanner	Coin acceptor	Hopper for coins	Banknote acceptor	Banknote recycler	Credit card - Micropayments	Second barcode discount reading.
P214E301AD001	ESPAS 30-P AUD	Ph. Out	●	●					●	●	●	●		●
P214E301PC001	ESPAS 30-P COP	Ph. Out	●	●					●	●	●	●		●
P214E301EU001	ESPAS 30-P EUR	Ph. Out	●	●					●	●	●	●		●
P214E301MY001	ESPAS 30-P MYR	Ph. Out	●	●					●	●	●	●		●
P214E301ZL001	ESPAS 30-P PLN	Ph. Out	●	●					●	●	●	●		●
P214E301DM001	ESPAS 30-P AED	Ph. Out	●	●					●	●	●	●		●
P214E301GB001	ESPAS 30-P GBP	Ph. Out	●	●					●	●	●	●		●
P214E300PC001	ESPAS 30-P CIT-BUS COP	Ph. Out	●	●	●				●	●	●	●		●
P214E300EU001	ESPAS 30-P CIT-BUS EUR	Ph. Out	●	●	●				●	●	●	●		●

Code	Name		TFT Color display	Motorized ticket reader	Bus intercom	IP intercom	Credit card	Scanner	Coin acceptor	Hopper for coins	Banknote acceptor	Banknote recycler	Credit card - Micropayments	Second barcode discount reading
P214E300PM001	ESPAS 30-P CIT-BUS MXN		●	●	●				●	●	●	●		●
P214E300ZL001	ESPAS 30-P CIT-BUS PLN		●	●	●				●	●	●	●		●
P214E300DM001	ESPAS 30-P CIT-BUS AED		●	●	●				●	●	●	●		●
P214E300GB001	ESPAS 30-P CIT-BUS GBP		●	●	●				●	●	●	●		●
P214E305EU001	ESPAS 30-P CIT-IP EUR		●	●		●			●	●	●	●		●
P214E301EU0F1	ESPAS 30-P CC-FRA EUR		●	●			●		●	●	●	●		●
P214E301EU091	ESPAS 30-P CC-ITA EUR		●	●			●		●	●	●	●		●
P214E301GB0K1	ESPAS 30-P CC-UK GBP		●	●			●		●	●	●	●		●
P214E300EU0F1	ESPAS 30-P CC-FRA CIT-BUS EUR		●	●	●		●		●	●	●	●		●
P214E300EU091	ESPAS 30-P CC-ITA CIT-BUS EUR		●	●	●		●		●	●	●	●		●
P214E300GB0K1	ESPAS 30-P CC-UK CIT-BUS GBP		●	●	●		●		●	●	●	●		●
P214E305EU091	ESPAS 30-P CC-ITA CIT-IP EUR		●	●		●			●	●	●	●		●
P214E305AD0S1	ESPAS 30-P CC-AUS CIT-IP AUD		●	●		●			●	●	●	●		●
P214E305GB0K1	ESPAS 30-P CC-UK CIT-IP GBP		●	●		●			●	●	●	●		●
P214E3M5EU091	ESPAS 30-P CC-ITA MIFARE CIT-IP EUR		●	●		●	●		●	●	●	●		●
P214E301EU081	ESPAS 30-P CCN EUR		●	●					●	●	●	●	●	●
P214E301ZL081	ESPAS 30-P CCN PLN		●	●					●	●	●	●	●	●
P214E300EU081	ESPAS 30-P CCN CIT-BUS EUR		●	●	●				●	●	●	●	●	●
P214E300PM081	ESPAS 30-P CCN CIT-BUS MXN		●	●	●				●	●	●	●	●	●
P214E300NZ081	ESPAS 30-P CCN CIT-BUS NZD		●	●	●				●	●	●	●	●	●
P214E300GB081	ESPAS 30-P CCN CIT-BUS GBP		●	●	●				●	●	●	●	●	●
P214ER01KN001	ESPAS 30-P SCN HRK		●					●	●	●	●	●		



Code	Name		TFT Color display	Motorized ticket reader.	Bus intercom	IP intercom	Credit card	Scanner	Coin acceptor	Hopper for coins	Banknote acceptor	Banknote recycler	Credit card - Micropayments	Second barcode discount reading.
P214ER01EU001	ESPAS 30-P SCN EUR	Ph Out	●					●	●	●	●	●		
P214ER01ZL001	ESPAS 30-P SCN PLN	Ph Out	●					●	●	●	●	●		
P214ER01KN101	ESPAS 30-P SCN SM HRK	Ph Out	●					●	●	●				
P214ER01EU101	ESPAS 30-P SCN SM EUR	Ph Out	●					●	●	●				
P214ER00KN001	ESPAS 30-P SCN CIT-BUS HRK	Ph Out	●		●			●	●	●	●	●		
P214ER00EU001	ESPAS 30-P SCN CIT-BUS EUR	Ph Out	●		●			●	●	●	●	●		
P214ER00NZ001	ESPAS 30-P SCN CIT-BUS NZD	Ph Out	●		●			●	●	●	●	●		
P214ER00ZL001	ESPAS 30-P SCN CIT-BUS PLN	Ph Out	●		●			●	●	●	●	●		
P214E301EU201	ESPAS 30-P SB EUR	Ph Out	●	●							●	●		●
P214E301EU101	ESPAS 30-P SM EUR	Ph Out	●	●					●	●				●
P214E300PC101	ESPAS 30-P SM CIT-BUS COP	Ph Out	●	●	●				●	●				●
P214E300EU101	ESPAS 30-P SM CIT-BUS EUR	Ph Out	●	●	●				●	●				●
P214E301ZL181	ESPAS 30-P SM CCN PLN	Ph Out	●	●					●	●			●	●
P214E301EU381	ESPAS 30-P SCCN	Ph Out	●	●									●	●
P214E301EU3F1	ESPAS 30-P SCC-FRA	Ph Out	●	●			●							●
P214E301EU391	ESPAS 30-P SCC-ITA	Ph Out	●	●			●							●
P214E301GB3K1	ESPAS 30-P SCC-UK	Ph Out	●	●			●							●
P214E301AD3S1	ESPAS 30-P SCC-AUS	Ph Out	●	●			●							●
P214E300EU3F1	ESPAS 30-P SCC-FRA CIT-BUS	Ph Out	●	●	●		●							●
P214E300EU391	ESPAS 30-P SCC-ITA CIT-BUS	Ph Out	●	●	●		●							●



RECOMMENDED ACCESSORIES


	D112074 - IP MODULE IP intercom module (stations/POF)		D112063 - CIT-BUS MODULE Digital module for station/automatic cashier
	D121711 - HEATER UNIT Heater unit 60W for internal station/POF installation on DIN bar		

 U-Link


 Quick Delivery

 New

 Phase-out



U-Control app
p. 17



Accessories
p. 278

accessories for control units	P. 278	signalling devices	P. 283
set of batteries for control units	P. 278	safety devices - photocells and accessories	P. 283
expansion boards	P. 279	safety devices - sensitive edges	P. 285
software	P. 280	rubber profiles	P. 285
receivers	P. 280	solenoid locks	P. 286
transmitters	P. 281	release systems	P. 287
control devices	P. 281		



ESPAS 30 ULTRA

Parking system for commercial and professional application where it is possible to have the system cabled via RS485 or TCP/IP. The extreme modularity allows to solve the majority of all application including lot booking function, car license plate recognition, charging station interface etc. All operations at Entry, POF machine and Exit are displayed on the displays together with voice messages in order to have a user friendly experience for the customer. The Software Management System of this Solution allows to monitor all devices and to quickly have control of all records regarding the Parking usage.



	ESPAS 30-I ULTRA	ESPAS 30-U ULTRA	ESPAS 30-U CC ULTRA	ESPAS 30-A ULTRA	ESPAS 30-P ULTRA
Supply voltage	230 VAC $\pm 10\%$, 50Hz-60Hz	230 VAC $\pm 10\%$, 50Hz-60Hz	230 VAC $\pm 10\%$, 50Hz-60Hz	230 VAC $\pm 10\%$, 50Hz-60Hz	230 VAC $\pm 10\%$, 50Hz-60Hz
Max power consumption	200 W	200 W	230 W	200 W	350 W
Idle power consumption	70 W	70 W	90 W	70 W	150 W
Operating temperature	-20 \div 50 $^{\circ}\text{C}$	-20 \div 50 $^{\circ}\text{C}$	-20 \div 50 $^{\circ}\text{C}$	-20 \div 50 $^{\circ}\text{C}$	0 \div 50 $^{\circ}\text{C}$
Sizes	1265 x 341 x 315 mm	1265 x 341 x 315 mm	1265 x 341 x 364 mm	1265 x 341 x 315 mm	1657 x 670 x 435 mm
Gross weight	60 kg	60 kg	65 kg	60 kg	100 kg
Standard communication interface	RS485	RS485	RS485 – TCP/IP	RS485	TCP/IP
Standard color	RAL7015	RAL7015	RAL7015	RAL7015	RAL7015
Material	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet; front panel in anti-wear and anti-scratch polycarbonate.	Cabinet in 2.0 mm thick DD11 (UNI EN 10111) steel sheet, front door 3.0 mm thick; front panel in anti-wear and anti-scratch polycarbonate.

RECOMMENDED ACCESSORIES



P975073 - TRAFFIC LIGHT PANEL IT



















Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.



P975075 - TRAFFIC LIGHT PANEL DE










Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.

RECOMMENDED ACCESSORIES

 <p>P975074 - TRAFFIC LIGHT PANEL EN</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P975077 - TRAFFIC LIGHT PANEL ES</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P975076 - TRAFFIC LIGHT PANEL FR</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P975078 - TRAFFIC LIGHT PANEL PL</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P975079 - TRAFFIC LIGHT PANEL HR</p> <p>Luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231680 - TRAFFIC LIGHT 2-SIDE PANEL IT</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P2231681 - TRAFFIC LIGHT 2-SIDE PANEL DE</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231682 - TRAFFIC LIGHT 2-SIDE PANEL EN</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P2231683 - TRAFFIC LIGHT 2-SIDE PANEL ES</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>	 <p>P2231684 - TRAFFIC LIGHT 2-SIDE PANEL FR</p> <p>Two-sided luminous panel indicating the car park capacity (red-green LED lights). Fitted with red and green LED traffic lights with automatic switch. Back-lit panel for night-time visibility. 230V power supply. Omega brackets for pole fixing included.</p>
 <p>P22312M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER</p> <p>Panel backlit with crepuscular function and indication of: Free/Empty (Led light Green/Red). RS485 interface, 3 digit for spaces. Dimensions: 600x800x55. RS485/RS232 converter, 230VAC power supply. Mounting bracket for pole included.</p>	 <p>P22319M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE</p> <p>Panel backlit with crepuscular function and indication of: Free/Empty (Led light Green/Red). RS485 interface, 3 digit for spaces. Dimensions: 600x800x55, 230VAC . Mounting bracket for pole included. RS485/RS232 converter not included.</p>
 <p>P22322M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY MASTER - HORIZONTAL</p> <p>Horizontal backlit panel with crepuscular function and indication of: Free/Empty (Led light Green/Red), 3 digit for spaces. RS485/RS232 converter, mounting bracket for pole included.</p>	 <p>P22329M5 - TRAFFIC LIGHT PANEL 3 DIGIT DISPLAY SLAVE - HORIZONTAL</p> <p>Horizontal backlit panel with crepuscular function and indication of: Free/Empty (Led light Green/Red), 3 digit for spaces. RS485/RS232 converter NOT included. Mounting bracket for pole included.</p>
 <p>P800142 - COPPIA RADIOMODEM RTX 868MHz (Master)</p> <p>2 Modem radio Master with RS485 interface for data tx without cable connection. This device allows, as an example, to exchange data between the Parking server and Traffic light panel. Maximum range is 1500 mtr in case there are no obstacles. Within urban areas the range is limited to 300 mtr. The kit includes: 2 devices with protected IP66 box, support for pole with Diam. 60mm, SMA connector and antenna, power supply 12/24DC.</p>	 <p>P800141 - RADIOMODEM RTX 868MHz (Slave)</p> <p>Modem radio Slave with RS485 interface for data tx without cable connection, to use with COPPIA RADIOMODEM RTX 868MHZ (Master). This device allows, as an example, to exchange data between the Parking server and Traffic light panel. Maximum range is 1500 mtr in case there are no obstacles. Within urban areas the range is limited to 300 mtr. The kit includes: protected IP66 box, support for pole with Dia 60mm, SMA connector and antenna, power supply 12/24VDC.</p>
 <p>P2010042E - ESPAS OFFLINE DISCOUNT PRINTER</p> <p>Off-line desk thermal printer used to print on the ticket an additional barcode tha gives a discount (can be time or amount) on the parking fare. This additional discount (barcode) are then deducted either at the POF or at the Exit station.</p>	 <p>D191186 - FANFOLD GAP TICKETS BFT</p> <p>Fanfold ticket box, 4000pcs tickets box with gap & BFT logo</p>



RECOMMENDED ACCESSORIES

	360558 - FANFOLD GAP TICKETS NEUTRAL Fanfold ticket box, 4000pcs tickets box with gap, neutral		999ASK999 - CUSTOMIZED FANFOLD GAP TICKET Customized fanfold ticket box, 4000pcs tickets box with gap. Minimum 13 boxes.
	D110919 - RFID PROXIMITY CARD 125kHz Proximity RFID card 125KHz for 20-30 system, 1 pcs. Minimum 10pcs.		D191145 - MIFARE PROXIMITY CARD 13,56MHz Proximity MIFARE 13,56MHz card for 30 system
	FP208003 - QUADRO DETECTOR Loop detector box for counting system (2 channel loop detector included)		D112074 - IP MODULE IP intercom module (stations/POF)
	135810 - CONTROL DESK IP IP intercom contro Desk - 3,5" TFT display		D114098 - CONTROL DESK IP TOUCH IP intercom contro Desk - 7" IPS display touch screen
	D114006 - CIT-IP EXTERNAL MODULE 1P Outdoor IP intercom station, 1 button		

ESPAS 30-I ULTRA



The Espas 30-I Ultra station is a device for managing an entry gate to a parking area.

The unit works in a wired network

as a component between the other elements of the system.

The station performs the rapid issuing of barcode tickets,

management of subscription and operator cards.

The display and voice messages guide improve the user experience.

Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.

Fanfold ticket thermal printer.

Capacity of 4000 fanfold tickets with easy loading.

Proximity card reader for operators and subscriptions.

20 characters x 2 rows backlit LCD display

Illuminated ticket nozzle

Multilanguage audio and display messages.

Internal temperature regulated by forced ventilation and heating element.

Programmable and highly sensitive two-channels loop detector.

Automatic barrier management.

Assistance call button.

Long-lasting, illuminated, mechanical pushbutton for ticket request

RS485 interface.

Guaranteed operation also during server offline periods.

Working mode configurable by software, control board or operator cards.

Alarms management with notification to the parking server.

Optional components

Proximity MIFARE card reader for operators and subscriptions.

Bus or IP intercom.

Barcode scanner.

Management of up to 3 fee rates, allowing issue of tickets

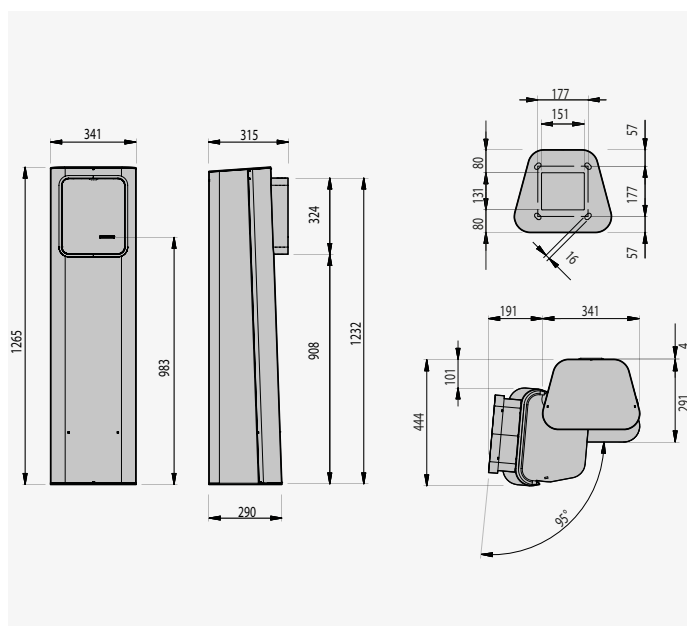
RS485 / LAN converter.

Single lane, two ways gate management.

Double-height terminals availability.

Customizable cabinet colour.

Dimensions



Code	Name	Thermal printer	Vehicle fare differentiation	Scanner	IP intercom	RFID card reader	Ticket pass management	Double height low & high vehicle	Reservation management
PA2D040R10000	ESPAS 30-I ULTRA RF new	●	●			●			
PA2D140R10000	ESPAS 30-I ULTRA SCN RF new	●	●	●		●	●		●
PA2D140R12000	ESPAS 30-I ULTRA SCN RF CIT-IP new	●	●	●	●	●	●		●



RECOMMENDED ACCESSORIES

	21261 - KIT STATIONS ANCHOR BASE Column anchor base for 20/30 entry/exit terminals		D110945 - MAGNETIC LOOP 6MT High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT High sensivity pre-cabled magnetic loop (10m tail x 8m loop)		D121711 - HEATER UNIT Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM Traffic light, 2 lights (green/red), diam, 100mm		130198 - TRAFFIC LIGHT LED 100MM Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM Traffic light, 2 lights (green/red), diam, 200mm		130197 - TRAFFIC LIGHT LED 200MM Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT Traffic light pole support		D413445 - TRUCK HEIGHT PEDESTAL 800MM 800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM 600mm height pedestal, with door, for entry/exit column		D113999 - LOOP DETECTOR LITE 2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
	D113948 - LOOP DETECTOR PRO 2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.		P800138 - KIT DENEb TO DENEb Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.
	P800137 - KIT INTERLOCK FOR PARKING Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.		D112074 - IP MODULE IP intercom module (stations/POF)
	394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.		394073 - LASER SAFATEY DETECTOR Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.
	394075 - LASER DETECTOR REMOTE CONTROL Remote control for settings Safety laser detector and Presence and Safety laser detector.		P800132 - 485-TCP/IP CONVERTER KIT The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

ESPAS 30-U ULTRA



The Espas 30-U Ultra station is a device for managing an exit gate from a parking area.

The unit works in a wired network

as a component between the other elements of the system.

Equipped with ticket scanner and discount amount, proximity reader for operator and subscriber card

The display and voice messages guide improve the user experience.

Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.

Barcode scanner.

Proximity card reader for operators and subscriptions.

20 characters x 2 rows backlit LCD display

Illuminated ticket nozzle

Multilanguage audio and display messages.

Internal temperature regulated by forced ventilation and heating element.

Programmable and highly sensitive two-channels loop detector.

Automatic barrier management.

Assistance call button.

RS485 interface.

Guaranteed operation also during server offline periods.

Working mode configurable by software, control board or operator cards.

Alarms management with notification to the parking server.

Optional components

Proximity MIFARE card reader for operators and subscriptions.

Bus or IP intercom.

Motorized ticket reader.

Barcode scanner.

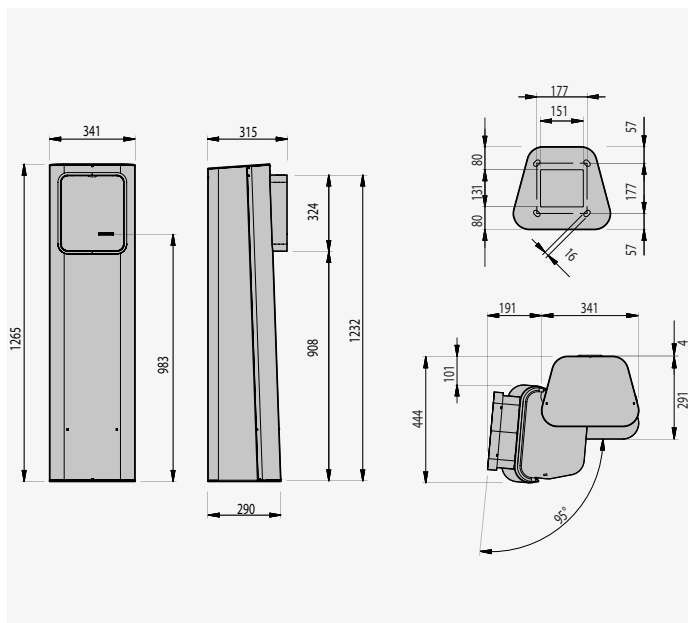
Single lane, two ways gate management.

Cage barriers management.

Double-height terminals availability.

Customizable cabinet colour.

Dimensions



Code	Name	Scanner	Motorized ticket reader.	IP intercom	RFID card reader	Ticket pass management	Double height low & high vehicle
PA3D140R10000	ESPAS 30-U ULTRA SCN RF new	●			●	●	
PA3D140R12000	ESPAS 30-U ULTRA SCN RF CIT-IP new	●		●	●	●	
PA3D240R10000	ESPAS 30-U ULTRA PLUS RF new		●		●	●	



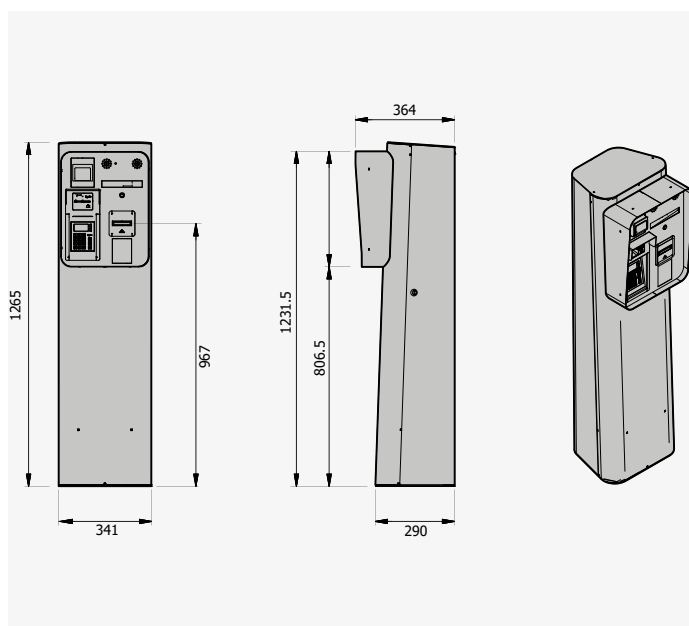
RECOMMENDED ACCESSORIES

 <p>21261 - KIT STATIONS ANCHOR BASE</p> <p>Column anchor base for 20/30 entry/exit terminals</p>	 <p>D110945 - MAGNETIC LOOP 6MT</p> <p>High sensivity pre-cabled magnetic loop (10m tail x 6m loop)</p>
 <p>D141784 - MAGNETIC LOOP 8MT</p> <p>High sensivity pre-cabled magnetic loop (10m tail x 8m loop)</p>	 <p>D121711 - HEATER UNIT</p> <p>Heater unit 60W for internal station/POF installation on DIN bar</p>
 <p>D121458 - TRAFFIC LIGHT 100MM</p> <p>Traffic light, 2 lights (green/red), diam, 100mm</p>	 <p>130198 - TRAFFIC LIGHT LED 100MM</p> <p>Traffic light, 2 LEDs light, diam. 100mm</p>
 <p>130186 - TRAFFIC LIGHT 200MM</p> <p>Traffic light, 2 lights (green/red), diam, 200mm</p>	 <p>130197 - TRAFFIC LIGHT LED 200MM</p> <p>Traffic light, 2 LEDs light, diam. 200mm</p>
<p>139047 - TRAFFIC LIGHT POLE SUPPORT</p> <p>Traffic light pole support</p>	 <p>D413445 - TRUCK HEIGHT PEDESTAL 800MM</p> <p>800mm height pedestal, with door, for entry/exit column</p>
 <p>D413530 - BUS HEIGHT PEDESTAL 600MM</p> <p>600mm height pedestal, with door, for entry/exit column</p>	 <p>D113999 - LOOP DETECTOR LITE</p> <p>2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase</p>
 <p>D113948 - LOOP DETECTOR PRO</p> <p>2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.</p>	 <p>P800138 - KIT DENEBO TO DENEBO</p> <p>Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.</p>
<p>P800137 - KIT INTERLOCK FOR PARKING</p> <p>Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.</p>	<p>D112074 - IP MODULE</p> <p>IP intercom module (stations/POF)</p>
 <p>394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS</p> <p>Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.</p>	 <p>394073 - LASER SAFETY DETECTOR</p> <p>Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.</p>
 <p>394075 - LASER DETECTOR REMOTE CONTROL</p> <p>Remote control for settings Safety laser detector and Presence and Safety laser detector.</p>	<p>P800132 - 485-TCP/IP CONVERTER KIT</p> <p>The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.</p>

ESPAS 30-U CC ULTRA



Dimensions



The Espas 30-U CC Ultra station is a device for managing an exit gate from a parking area and allows payment of the parking by credit card, scanning the entry ticket.

The unit works in a wired network

as a component between the other elements of the system.

Equipped with ticket scanner and discount amount, proximity reader for operator and subscriber card, C/C terminal with CHIP and PIN and contactless.

The display and voice messages guide improve the user experience.

Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.

Fanfold ticket thermal printer for customer's receipt.

Capacity of 4000 fanfold tickets with easy loading.

Credit card module consisting of card reader, pinpad and contactless reader.*

Barcode scanner.

Proximity card reader for operators and subscriptions.

20 characters x 2 rows backlit LCD display

Illuminated ticket nozzle

Multilanguage audio and display messages.

Internal temperature regulated by forced ventilation and heating element.

Programmable and highly sensitive two-channels loop detector.

Automatic barrier management.

Assistance call button.

RS485 - TCP/IP connection.

Ethernet switch with extended temperature range

Guaranteed operation also during server offline periods.

Working mode configurable by software, control board or operator cards.

Alarms management with notification to the parking server.

*NOTE: composition may change, depending on the country.

Optional components

Proximity MIFARE card reader for operators and subscriptions.

Bus or IP intercom.

Barcode scanner.

Cage barriers management.









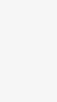





Customizable cabinet colour.

Code	Name	Thermal printer	Scanner	IP intercom	RFID card reader	Ticket pass management	Credit card
PA4D141R10000	ESPAS 30-U CC ULTRA SCN CC-ITA RF new	●	●		●	●	●
PA4D141R12000	ESPAS 30-U CC ULTRA SCN CC-ITA RF CIT-IP new	●	●	●	●	●	●
PA4D142R10000	ESPAS 30-U CC ULTRA SCN CC-FRA RF new	●	●		●	●	●
PA4D142R12000	ESPAS 30-U CC ULTRA SCN CC-FRA RF CIT-IP new	●	●	●	●	●	●



Code	Name		Thermal printer	Scanner	IP intercom	RFID card reader	Ticket pass management	Credit card
PA4D143R10001	ESPAS 30-U CC ULTRA SCN CC-UK RF new		●	●		●	●	●
PA4D143R12000	ESPAS 30-U CC ULTRA SCN CC-UK RF CIT-IP new		●	●	●	●	●	●
PA4D145R10002	ESPAS 30-U CC ULTRA SCN CC-AUS RF new		●	●		●	●	●
PA4D145R12000	ESPAS 30-U CC ULTRA SCN CC-AUS RF CIT-IP new		●	●	●	●	●	●

RECOMMENDED ACCESSORIES

	21261 - KIT STATIONS ANCHOR BASE		D110945 - MAGNETIC LOOP 6MT
	Column anchor base for 20/30 entry/exit terminals		High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT		D121711 - HEATER UNIT
	High sensivity pre-cabled magnetic loop (10m tail x 8m loop)		Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM		130198 - TRAFFIC LIGHT LED 100MM
	Traffic light, 2 lights (green/red), diam, 100mm		Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM		130197 - TRAFFIC LIGHT LED 200MM
	Traffic light, 2 lights (green/red), diam, 200mm		Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT		D413445 - TRUCK HEIGHT PEDESTAL 800MM
	Traffic light pole support		800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM		D113999 - LOOP DETECTOR LITE
	600mm height pedestal, with door, for entry/exit column		2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
	D113948 - LOOP DETECTOR PRO		new P800137 - KIT INTERLOCK FOR PARKING
	2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.		Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.

RECOMMENDED ACCESSORIES

	D112074 - IP MODULE IP intercom module (stations/POF)		new 394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m.10-35VDC power supply.
	new 394073 - LASER SAFATEY DETECTOR Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m.10-35VDC power supply.		new 394075 - LASER DETECTOR REMOTE CONTROL Remote control for settings Safety laser detector and Presence and Safety laser detector.
	new P800132 - 485-TCP/IP CONVERTER KIT The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.		



ESPAS 30-A ULTRA



The ESPAS 30-A ULTRA station is a device for controlling an entry or exit transit point of a parking area. The unit works in a wired network as a component between the other elements of the system. This device allows to manage subscribers and operator card. The display and voice messages guide improve the user experience.

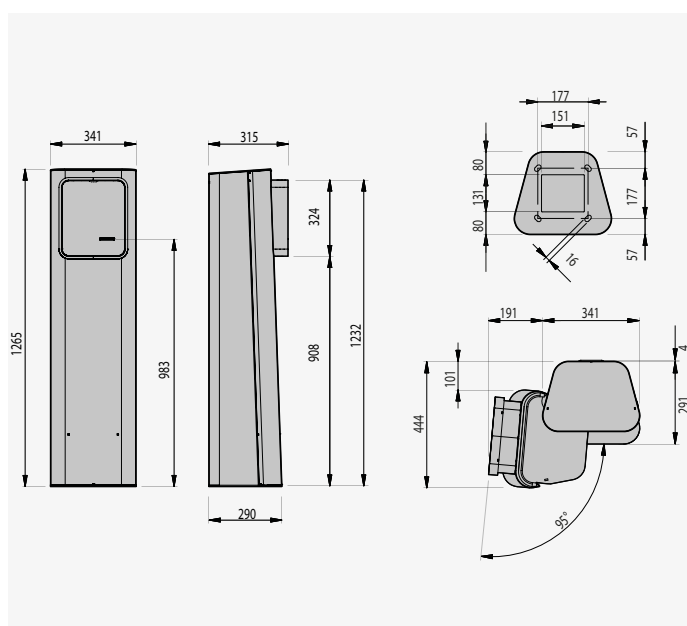
Basic components

Dedicated electronic board with integrated display and onboard joystick for quick programming and consultation of alarms.
Proximity card reader for operators and subscriptions.
20 characters x 2 rows backlit LCD display
Multilanguage audio and display messages.
Internal temperature regulated by forced ventilation and heating element.
Programmable and highly sensitive two-channels loop detector.
Automatic barrier management.
Assistance call button.
RS485 interface.
Guaranteed operation also during server offline periods.
Working mode configurable by software, control board or operator cards.
Alarms management with notification to the parking server.

Optional components

Proximity MIFARE card reader for operators and subscriptions.
Bus or IP intercom.
RS485 / LAN converter.
Single lane, two ways gate management.
Cage barriers management.
Double-height terminals availability.
Customizable cabinet colour.

Dimensions



ESPAS 30-A ULTRA

Code	Name		IP intercom	RFID card reader	Double height low & high vehicle
PA5D040R10000	ESPAS 30-A ULTRA RF	new		●	
PA5D040R12000	ESPAS 30-A ULTRA RF CIT-IP	new	●	●	

RECOMMENDED ACCESSORIES

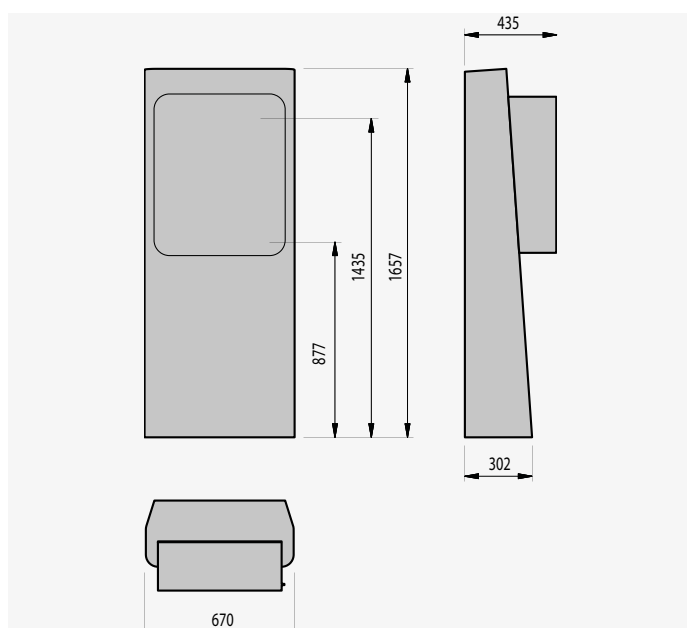
	21261 - KIT STATIONS ANCHOR BASE		D110945 - MAGNETIC LOOP 6MT
	Column anchor base for 20/30 entry/exit terminals		High sensivity pre-cabled magnetic loop (10m tail x 6m loop)
	D141784 - MAGNETIC LOOP 8MT		D121711 - HEATER UNIT
	High sensivity pre-cabled magnetic loop (10m tail x 8m loop)		Heater unit 60W for internal station/POF installation on DIN bar
	D121458 - TRAFFIC LIGHT 100MM		130198 - TRAFFIC LIGHT LED 100MM
	Traffic light, 2 lights (green/red), diam, 100mm		Traffic light, 2 LEDs light, diam. 100mm
	130186 - TRAFFIC LIGHT 200MM		130197 - TRAFFIC LIGHT LED 200MM
	Traffic light, 2 lights (green/red), diam, 200mm		Traffic light, 2 LEDs light, diam. 200mm
	139047 - TRAFFIC LIGHT POLE SUPPORT		D413445 - TRUCK HEIGHT PEDESTAL 800MM
	Traffic light pole support		800mm height pedestal, with door, for entry/exit column
	D413530 - BUS HEIGHT PEDESTAL 600MM		D113999 - LOOP DETECTOR LITE
	600mm height pedestal, with door, for entry/exit column		2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase
	D113948 - LOOP DETECTOR PRO		new P800138 - KIT DENEBO TO DENEBO
	2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.		Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.
	new P800137 - KIT INTERLOCK FOR PARKING		D112074 - IP MODULE
	Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.		IP intercom module (stations/POF)
	new P800132 - 485-TCP/IP CONVERTER KIT		
	The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.		



ESPAS 30-P ULTRA



Dimensions



The Espas30-P Ultra automatic pay station is designed to provide professional cabled car park systems with a device offering the highest performance for automatic cashier services.

The unit works in a wired network as a component between the other elements of the system.

Thanks to a clear division between the various components, a simple and modern graphic interface, audio and LEDs guides, the user is driven step-by-step during the payment operations.

Multiple versions of the payment station are possible thanks to an extreme modularity for satisfy every needs.

Basic components

Payment procedures assisted by dedicated screens.

High visibility RGB LEDs to immediately indicate payment operations or possible devices issue.

7" high-resolution anti-vandal graphic touch screen display.

Motorized fanfold all-in-one ticket reader / printer module, with sensing of ticket direction.

Alarms management with notification to the parking server.

Dynamic help page to further assist the user during procedures.

Ticket informations

Dedicated operator menu with notification to server of operator access.

Dynamic change languages function.

"Print receipt" function.

"Lost ticket" payment function.

Discount ticket reading and validation function.

Automatic refund of missing change by scanning the receipt ticket at the automatic pay station.

Management of subscriptions and user information viewing.

Multilanguage voice guidance.

Payment by entering the vehicle number plate (in parking systems with ANPR).

SOS button to display customized emergency message.

125 kHz proximity RFID or 13,56 MHz MIFARE card reader for operators and subscriptions.

Door opening sensor with notification to the parking server.

Cooling fans and heating element with independent thermostats.

Ticket collection bin.

Opposed bar closure and security locks with burglar-proof technology.

Standard color RAL 7015.

Optional components

Coins Kit: self-refilling coin acceptor with change-giver for 6 denominations and coins collection box with security key.

Banknotes Kit: banknote acceptor with collection box and security key.

Hoppers Kit: 2 high volume self-refilling hoppers for coin storage expansion (configurable).

Recycler Kit: 2 denominations bill change-giver.

Credit Card Kit: chip & pin devices (pin-pad, reader, contactless).

Intercom Kit: bus or IP intercom with call button, microphone and speaker.

Customizable cabinet colour.

Additional services sale with dedicated menu.

Code	Name		Touch screen display	Ticket reader / printer module	IP intercom	Banknote acceptor	Hopper for coins	Coin acceptor	Banknote recycler	Credit card	Second barcode discount reading
PA1D401R10000	ESPAS 30-P ULTRA EUR CC-ITA RF new		●	●						●	●
PA1D402R10000	ESPAS 30-P ULTRA EUR CC-FRA RF new		●	●						●	●
PA1D404R10000	ESPAS 30-P ULTRA EUR CC-DEU RF new		●	●						●	●
PA1D607R10000	ESPAS 30-P ULTRA HRK CC-HRV RF new		●	●						●	●
PA1D105R10000	ESPAS 30-P ULTRA AUD CC-AUS RF new		●	●						●	●
PA1DD06R10000	ESPAS 30-P ULTRA PLN CC-POL RF new		●	●						●	●
PA1D503R10000	ESPAS 30-P ULTRA GBP CC-UK RF new		●	●						●	●
PA1D410R10000	ESPAS 30-P ULTRA EUR M RF new		●	●				●			●
PA1D4A0R10000	ESPAS 30-P ULTRA EUR B R RF new		●	●		●			●		●
PA1D4F0R10000	ESPAS 30-P ULTRA EUR M B H R RF new		●	●		●	●	●	●		●
PA1D4F1R10000	ESPAS 30-P ULTRA EUR M B H R CC-ITA RF new		●	●		●	●	●	●	●	●
PA1D4F1R12000	ESPAS 30-P ULTRA EUR M B H R CC-ITA RF CIT-IP new		●	●	●	●	●	●	●	●	●
PA1D4F2R10000	ESPAS 30-P ULTRA EUR M B H R CC- FRA RF new		●	●		●	●	●	●	●	●
PA1D4F2R12000	ESPAS 30-P ULTRA EUR M B H R CC-FRA RF CIT-IP new		●	●	●	●	●	●	●	●	●
PA1D4F4R10000	ESPAS 30-P ULTRA EUR M B H R CC- DEU RF new		●	●		●	●	●	●	●	●
PA1D4F4R12000	ESPAS 30-P ULTRA EUR M B H R CC-DEU RF CIT-IP new		●	●	●	●	●	●	●	●	●
PA1D6F0R10000	ESPAS 30-P ULTRA HRK M B H R RF new		●	●		●	●	●	●		●



Code	Name		Touch screen display	Ticket reader / printer module	IP intercom	Banknote acceptor	Hopper for coins	Coin acceptor	Banknote recycler	Credit card	Second barcode discount reading.
PA1D6F7R10000	ESPAS 30-P ULTRA HRK M B H R CC-HRV RF new		●	●		●	●	●	●	●	●
PA1D6F7R12000	ESPAS 30-P ULTRA HRK M B H R CC-HRV RF CIT-IP new		●	●	●	●	●	●	●	●	●
PA1D110R10000	ESPAS 30-P ULTRA AUD M RF new		●	●				●			●
PA1D1A0R10000	ESPAS 30-P ULTRA AUD B R RF new		●	●		●			●		●
PA1D1F0R10000	ESPAS 30-P ULTRA AUD M B H R RF new		●	●		●	●	●	●		●
PA1D1B5R10000	ESPAS 30-P ULTRA AUD M B H R CC-AUS RF new		●	●		●	●	●	●	●	●
PA1D1B5R12000	ESPAS 30-P ULTRA AUD M B H R CC-AUS RF CIT-IP new		●	●	●	●	●	●	●	●	●
PA1DD10R10000	ESPAS 30-P ULTRA PLN M RF new		●	●				●			●
PA1DDA0R10000	ESPAS 30-P ULTRA PLN B R RF new		●	●		●			●		●
PA1DDF0R10000	ESPAS 30-P ULTRA PLN M B H R RF new		●	●		●	●	●	●		●
PA1DDF6R10000	ESPAS 30-P ULTRA PLN M B H R CC-POL RF new		●	●		●	●	●	●	●	●
PA1DDF6R12000	ESPAS 30-P ULTRA PLN M B H R CC-POL RF CIT-IP new		●	●	●	●	●	●	●	●	●
PA1D510R10000	ESPAS 30-P ULTRA GBP M RF new		●	●				●			●
PA1D5A0R10000	ESPAS 30-P ULTRA GBP B R RF new		●	●		●			●		●
PA1D5F0R10000	ESPAS 30-P ULTRA GBP M B H R RF new		●	●		●	●	●	●		●
PA1D5F3R10000	ESPAS 30-P ULTRA GBP M B H R CC-UK RF new		●	●		●	●	●	●	●	●

Code	Name		Touch screen display	Ticket reader / printer module	IP intercom	Banknote acceptor	Hopper for coins	Coin acceptor	Banknote recycler	Credit card	Second barcode discount reading
PA1D5F3R12000	ESPAS 30-P ULTRA GBP M B H R CC-UK RF CIT-IP new		●	●	●	●	●	●	●	●	●
PA1D310R10000	ESPAS 30-P ULTRA AED M RF new		●	●				●			●
PA1D3A0R10000	ESPAS 30-P ULTRA AED B R RF new		●	●		●			●		●
PA1D3F0R12000	ESPAS 30-P ULTRA AED M B H R RF CIT-IP new		●	●	●	●	●	●	●		●
PA1DC10R10000	ESPAS 30-P ULTRA MXN M RF new		●	●				●			●
PA1DCA0R10000	ESPAS 30-P ULTRA MXN B R RF new		●	●		●			●		●
PA1DCF0R12000	ESPAS 30-P ULTRA MXN M B H R RF CIT-IP new		●	●	●	●	●	●	●		●

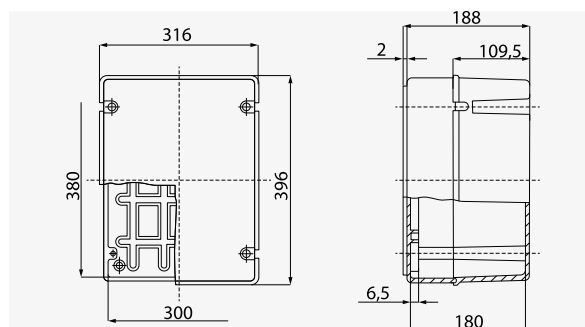
RECOMMENDED ACCESSORIES

	D121711 - HEATER UNIT		D112074 - IP MODULE
	Heater unit 60W for internal station/POF installation on DIN bar		IP intercom module (stations/POF)



QUADRO VARCO

The Quadro Varco is a product that allows counting of entrances and exit of areas or sub-areas within the all Parking area. With the Parking Software Management it is possible to set the working ways of the barrier. The device can manage up to 2 gates








	QUADRO VARCO
Supply voltage	230 VAC $\pm 10\%$, 50Hz-60Hz
Max power consumption	70 W
Operating temperature	$-10 \div 50^\circ\text{C}$
Sizes	300 x 380 x 180 mm
Standard communication interface	RS485
Protection rating	IP57

VERSIONS

	FP208002 - QUADRO VARCO				
The Quadro Varco is a product that allows counting of entrances and exit of areas or sub-areas within the all Parking area. With the Parking Software Management it is possible to set the working ways of the barrier.					

RECOMMENDED ACCESSORIES

	D110945 - MAGNETIC LOOP 6MT		D141784 - MAGNETIC LOOP 8MT
High sensivity pre-cabled magnetic loop (10m tail x 6m loop)		High sensivity pre-cabled magnetic loop (10m tail x 8m loop)	
	D113999 - LOOP DETECTOR LITE		D113948 - LOOP DETECTOR PRO
2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase		2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.	
	new 394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS		new 394073 - LASER SAFATEY DETECTOR
Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.		Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.	
	new 394075 - LASER DETECTOR REMOTE CONTROL		
Remote control for settings Safety laser detector and Presence and Safety laser detector.			

QUADRO ESPAS 30

Quadro Espas 30 can manage proximity cards directly on the lane or at the POS. The unit works in a wired network as a component between the other elements of the system. It has the main function to manage entry and exit station.



	QUADRO ESPAS 30 EN	QUADRO ESPAS 30 EA	QUADRO ESPAS 30 IN	QUADRO ESPAS 30 IA
Supply voltage	230 VAC ±10%. 50Hz-60Hz	230 VAC ±10%. 50Hz-60Hz	230 VAC ±10%. 50Hz-60Hz	230 VAC ±10%. 50Hz-60Hz
Standard communication interface	RS485	RS485	RS485	RS485
Sizes	392 x 420 x 180 mm	392 x 420 x 180 mm	316 x 396 x 188 mm	316 x 396 x 188 mm
Operating temperature	-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C	-10 ÷ +50 °C
Max power consumption	70 W	70 W	70 W	70 W

VERSIONS







<p>P208005EN-B - QUADRO ESPAS 30 EN</p> <p>Quadro Espas 30 can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector. For open air environment the version E with IP66 cabinet (fiberglass UV resistant and keylock) is available.</p>	<p>P208005EA-B - QUADRO ESPAS 30 EA</p> <p>Quadro Espas 30 with RFID 125kHz. It can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector. For open air environment the version E with IP66 cabinet (fiberglass UV resistant and keylock) is available.</p>
<p>P208005IN-B - QUADRO ESPAS 30 IN</p> <p>Quadro Espas 30 can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector. IP56 version for in-house installation (I).</p>	<p>P208005IA-B - QUADRO ESPAS 30 IA</p> <p>Quadro Espas 30 with RFID 125kHz. It can be placed aside the lane or at the POS. It works linked to the network of all elements of the Parking System. All function required to manage entry and exit are included. It includes: control board with display and programming joystick, RS485 interface, loop detector. IP56 version for in-house installation (I).</p>

RECOMMENDED ACCESSORIES

<p>D110945 - MAGNETIC LOOP 6MT</p> <p>High sensivity pre-cabled magnetic loop (10m tail x 6m loop)</p>	<p>D141784 - MAGNETIC LOOP 8MT</p> <p>High sensivity pre-cabled magnetic loop (10m tail x 8m loop)</p>
<p>D121458 - TRAFFIC LIGHT 100MM</p> <p>Traffic light, 2 lights (green/red), diam, 100mm</p>	<p>130198 - TRAFFIC LIGHT LED 100MM</p> <p>Traffic light, 2 LEDs light, diam. 100mm</p>
<p>130186 - TRAFFIC LIGHT 200MM</p> <p>Traffic light, 2 lights (green/red), diam, 200mm</p>	<p>130197 - TRAFFIC LIGHT LED 200MM</p> <p>Traffic light, 2 LEDs light, diam. 200mm</p>



RECOMMENDED ACCESSORIES

	D113999 - LOOP DETECTOR LITE 2 channel loop detector, 24VDC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase		D113948 - LOOP DETECTOR PRO 2 channel loop detector, 24VDC/AC, up to 4 frequencies per channel for close loop installations, adjustable sensitivity, boost function for sensitivity increase. Direction detection.
	new 394080 - PRESENCE AND SAFETY DETECTOR - LASER LOOPS Presence and Safety laser detector. Its used as an alternative of magnetic loops. Includes one input and two relay outputs. Maximum detection range: 9.9m x 9.9m. 10-35VDC power supply.		new 394073 - LASER SAFATEY DETECTOR Safety laser detector. Its used in combination with magnetic loops in order to add an additional safety device (eg: for pedestrian). Includes two relay outputs. Maximum detection range: 5m x 5m. 10-35VDC power supply.
	new 394075 - LASER DETECTOR REMOTE CONTROL Remote control for settings Safety laser detector and Presence and Safety laser detector.		new P800138 - KIT DENEb TO DENEb Additional board used to communicate between two stations in "Two Ways" and "Double Height" configuration. For 30 system only.
	new P800137 - KIT INTERLOCK FOR PARKING Kit for manage interlock function (station between two barriers), useful to prevent queues on the gate or for particularly security requirements. It's usable when a third loop management is required (e.g. motorbike). Includes a loop detector for the second barrier safety loop and a kit of terminals in order to connect the commands of the second barrier.		new P800132 - 485-TCP/IP CONVERTER KIT The device allows the insertion within a wired TCP/IP network of devices using an RS-485 serial interface. The solution is used in all those realities where it is necessary to transmit serial data through, for example, a local network already present.

PARKING SERVER

The Server together with its SW manage the database of the Parking System and it includes back-up for all data.



VERSIONS

	FP206001 - PARKING SERVER The Server together with its SW manage the database of the Parking System and it includes back-up for all data.	FP206003 - PARKING SERVER EXT TEMP Server version for extended temperature range(-20°C to +80°C), The Server together with its SW manage the database of the Parking System and it includes back-up for all data.
--	---	--

RECOMMENDED ACCESSORIES

	D112115 - EXTENDED TEMPERATURE 8P SWITCH Ethernet Switch with extended temperature range (-40°C to +70°C), 8 Ethernet Port.	D114024 - ROUTER 4G LTE DUAL SIM EXT.TEMP. Dual SIM (Micro SIM)router with extendet temperature (-40°C to +70°C) , 4G LTE, 2xEthernet port 10/100Mbps, 1 slot MicroSD, 4G/WIFI antennas, DIN support and power supply
--	--	---




POS


POS and data management station with PC and Monitor. The integrated Janica SW allows a smart and user friendly solution for the Parking management and cashier function such as ticket payment, subscription management. All operation are recorded and available with various report type for the correct management of the Parking



VERSIONS

 <p>FP205007 - POS CLIENT SLIM</p> <p>POS including: PC slim type, all-in -one, 24" monitor, operating system, mouse, Keyboard, Janica License Full, barcode reader and support, auto trigger function for hand-held reading.</p>  <p>FP206002 - POS SERVER</p> <p>POS including: PC , 22" monitor, operating system, mouse,Keyboard, Janica License Full and Database, barcode reader and support, auto trigger function for hand-held reading, RS232/RS485 converter and 10 proximity Card.</p>	 <p>FP205003 - POS CLIENT</p> <p>POS including: PC , 22" monitor, operating system, mouse, Keyboard, Janica License Full, barcode reader and support, auto trigger function for hand-held reading.</p>
--	--

RECOMMENDED ACCESSORIES

 <p>135138 - CASH DRAWER</p> <p>Cash drawer compatible with receipt printers that emulate ESC/POS command. RJ11 terminal to connect to the receipt printer and activate the cash drawer automatically. Compatibility with receipt printer only.</p>	 <p>D114077 - RECEIPT PRINTER KIT</p> <p>Roll-paper TCP/IP printer for customer's receipt for 30 system. Includes: LAN cable, power supply, paper roll. LAN cable. Power supply, paper roll included.</p>
 <p>P970048 - RECEIPT PRINTER ROLL PAPER</p> <p>Roll paper for receipt printer. Ext. diam: 80mm. Int.diam: 12mm. Width: 84mm</p>	 <p>FP205015 - BC BONUS MASTER</p> <p>Desktop Ticket validator and scanner including RS232/RS485 converter, serial cable, power supply. Used also to add and additional barcode to a pre-printed ticket either time or fare discount.</p>
 <p>FP205005 - BC BONUS SLAVE</p> <p>Desktop Ticket validator and scanner RS485 (RS232/RS485 converter, serial cable and power supply are NOT included). Possibility to associate to the barcode either time or fare discount.</p>	 <p>P800136 - BC BONUS LAN</p> <p>Desktop Ticket validator and scanner LAN type including TCP-IP/RS232 converter, serial cable and power supply. Possibility to associate to the barcode either time or fare discount.</p>
 <p>D223127 - BC BONUS SCANNER SUPPORT</p> <p>Table stand for Bc Bonus scanner</p>	 <p>P2010041E - ESPAS TICKET PRINTER</p> <p>Online ticket & receipt printer to interface (via Usb) through POS manned station; compatible with fanfold ticket with gap The device's function is to print special tickets directly from the parking management software</p>
 <p>P2010042E - ESPAS OFFLINE DISCOUNT PRINTER</p> <p>Off-line desk thermal printer used to print on the ticket an additional barcode tha gives a discount (can be time or amount) on the parking fare. This additional discount (barcode) are then deducted either at the POF or at the Exit station.</p>	 <p>D112048 - COURTESY DISPLAY</p> <p>Courtesy display for 30 system manned station, to interface via 232+USB through POS station.</p>

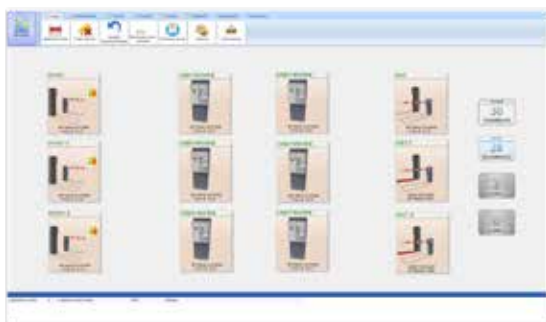
RECOMMENDED ACCESSORIES

	D113984 - RFID ISOCARD DESK READER 125kHz 125kHz RFID Isocard reader for 30 system manned station, USB.		D112086 - MIFARE ISOCARD DESK READER 13,56MHz 13,56MHz MIFARE Isocard reader for 30 system manned station, USB.
	D112115 - EXTENDED TEMPERATURE 8P SWITCH Ethernet Switch with extended temperature range (-40°C to +70°C), 8 Ethernet Port.		new D114024 - ROUTER 4G LTE DUAL SIM EXT.TEMP. Dual SIM (Micro SIM) router with extended temperature (-40°C to +70°C), 4G LTE, 2xEthernet port 10/100Mbps, 1 slot MicroSD, 4G/WIFI antennas, DIN support and power supply



JANICA SOFTWARE FULL

The Janica Software is the solution to easily manage a Parking system Espas 30. All operation can be easily done by a simple and intuitive graphic interface. Janica is flexible and easily usable for every Parking System configuration being it simple or a complex one.



Main feature

- Quick and reacting system for speeding up payment transactions.
- Easy management of operator permission and sessions
- Easy subscription management
- Anti pass-back control
- Customizable discount and fares with the possibility of simulating the effects
- Pass management and possibility to convert it into ticket
- It shows also license plate number (from the ANPR system) to easily manage payments.
- Detailed reports with possibility to export them via different formats
- Easy configuration and management of the parking system
- Customizable counters for different parking areas
- Management of lost ticket
- Possibility to program proximity card for different functions.

System requirement

Operating System: Windows® 10
 CPU: AMD® or Intel® Dual Core @ 3.40 GHz or greater
 Graphic: Intel® HD Graphics 520
 Memory: 4GB
 Minimum free Disk space: 150MB
 *Note: all system requirements are satisfied for server supplied by BFT.

VERSIONS

new	P118001 - JANICA SOFTWARE FULL				
	Janica Full Software for cabled parking system management.				

RECOMMENDED ACCESSORIES

new	P800139 - KIT PARKING SERVER	new	P800140 - KIT POS CLIENT
	Accessories kit for Server including: Ethernet switch 8 ports, RS232/RS485 converter with cable and power supply, 10 proximity RFID cards		Accessories kit for POS Client including: barcode reader with auto-trigger function for hand-free use, LAN cable 1,5 mt.
new	A200001 20004 - SOFTWARE INSTALLATION		
	The SOFTWARE INSTALLATION service includes the installation of a software module by one of our technicians.		

PARKING SOFTWARE

Software modules for wired Parking systems



VERSIONS

new P118002 - DATABASE SOFTWARE Software module for parking server, with database and central services software.	new P118003 - NEA ANPR SOFTWARE ANPR software module for Nea Lite and Nea Plus.
new P118004 - UNIVERSAL ANPR SOFTWARE Universal ANPR software module for FTP cameras.	new P118005 - ADD ON SERVICES Software Module for the POF Ultra for selling optional services.

RECOMMENDED ACCESSORIES

new P800139 - KIT PARKING SERVER Accessories kit for Server including: Ethernet switch 8 ports, RS232/RS485 converter with cable and power supply, 10 proximity RFID cards	new P800140 - KIT POS CLIENT Accessories kit for POS Client including: barcode reader with auto-trigger function for hand-free use, LAN cable 1,5 mt.
new A200001 20004 - SOFTWARE INSTALLATION The SOFTWARE INSTALLATION service includes the installation of a software module by one of our technicians.	



TUVA

TUVA is a UHF antenna for TAGS reading. It is available only for wired Parking Systems. This antenna, placed close to a gate, allows the transit for vehicles bearing a valid TAG associated with a subscription. This allows a seamless transit when approaching the gate. The subscription associated to a TAG can be easily managed by the Janica Software.




	TUVA	TUVA LITE
Operating frequencies (EU)	865.6 ÷ 867.6 MHz	865.6 ÷ 867.9 MHz
Operating frequencies (US)	902.75 ÷ 925.25 MHz	902.75 ÷ 927.25 MHz
Reading distance	Up to 6 m	Up to 6 m
Sizes	300x300x60 mm	255x255x35 mm
Weight	2,30 kg	2,20 kg
Power(EU)	(e.r.p.) 2 W	W
Power (US)	(e.i.r.p.) 4 W	W
Interface	RS-232. RS-485. Wiegand	RS-232. RS-485. Wiegand
Supply voltage	Vdc	100-240V – 9VDC Vdc
Power consumption	10:12 W	1 W
Operating temperature	-40 ÷ 60 °C	-20 ÷ 70 °C
Number of digital inputs	3 isolated inputs	
Number of digital outputs	3 isolated outputs shared	
Number of relay outputs	1 relay output, 60VDC, 2A	

VERSIONS

	D113983 - TUVA TUVA integrated UHF antenna, 6m range pole mounted. Black/white list onboard Easy to use and easy to install Very high performances Robust and weatherproof design, IP 66 Extended read-range, up to 6m (20ft) Identification by means of white list / black list		new D114173 - TUVA LITE TUVA Lite integrated UHF antenna , 6mtr range pole mounted. Easy to use and easy to install High performance and read speed Works with passive tags Weatherproof
---	--	---	--

RECOMMENDED ACCESSORIES

	145029 - UHF WINDSHIELD TAG TUVA Tag (car dashboard)		D141860 - UHF WINDSHIELD TAG BFT TUVA UHF windshield tag BFT
	new P975093 - KIT POWER SUPPLY NEA LITE / TUVA LITE NEA LITE / TUVA LITE power supply kit: junction box IP56 and PGs, power supply 12VDC din rail mounting		

NEA

NEA is a High Definition ANPR. It can be integrated in a wired Parking System for a seamless experience.

This device allows users with registered License Plate into the database to enter/exit from Parking without any stop at the gate.

The camera has to be mounted close to the entry/exit stations and allows users with registered License Plate into the database to enter/exit from Parking without any stop by the stations.



	NEA LITE	NEA PLUS HD	NEA PLUS HD COLOR
Supply voltage	PoE, 12 Vdc	PoE, 24 Vdc	PoE, 24 Vdc
Weight	1,90	1,50	1,50
Operating humidity	10% to 90% non condensing	10% to 90% non condensing	10% to 90% non condensing
Operating temperature	-30 ÷ 65 °C	-40 ÷ 55 °C	-40 ÷ 55 °C
Power consumption	12 W	13 W	13 W
Sizes	124x108x296.5 mm	178x90x133 mm	178x90x133 mm
ANPR distance	3 ÷ 8 m	3 ÷ 8 m	3 ÷ 8 m
Digital I/O	2 in - 1 out	2 optoisolated inputs – 2 relay outputs	2 optoisolated inputs – 2 relay outputs
Focus width range	1 lane	1 lane	1 lane
Lens type	Motoriz./Auto Iris	CS-Mount	CS-Mount

VERSIONS

<p>new P975094 - NEA LITE</p> <p>NEA Lite is an ANPR that can be integrated in a low transit flow wired Parking System for a seamless experience. This device allows users with registered License Plate into the database to enter/exit from Parking without any stop at the gate.</p>	<p>139088 - NEA PLUS HD</p> <p>NEA Plus is a High Definition ANPR. It can be integrated in a wired Parking System for a seamless experience. This device allows users with registered License Plate into the database to enter/exit from Parking without any stop at the gate.</p>
<p>139099 - NEA PLUS HD COLOR</p> <p>NEA Plus Color is a High Definition ANPR. It can be integrated in a wired Parking System for a seamless experience. This device allows users with registered License Plate into the database to enter/exit from Parking without any stop at the gate.</p>	

RECOMMENDED ACCESSORIES

<p>new D114176 - KIT NEA LITE POLE MOUNTING</p> <p>Pole mounting kit for Nea Lite camera.</p>	<p>new P975093 - KIT POWER SUPPLY NEA LITE / TUVA LITE</p> <p>NEA LITE / TUVA LITE power supply kit: junction box IP56 and PGs, power supply 12VDC din rail mounting</p>
---	--

SMARTLIGHT

SMARTLIGHT is a parking guidance system that helps the driver to easily find free parking spaces within the area. Illuminated panels together with sensors that are detecting the state (empty/full) of a stall, the system helps the driver to easily find free spaces. The parking operators can easily monitor the parking area efficiency thanks to the SW that graphically shows the empty/full areas. It also allows to have statistical analysis.

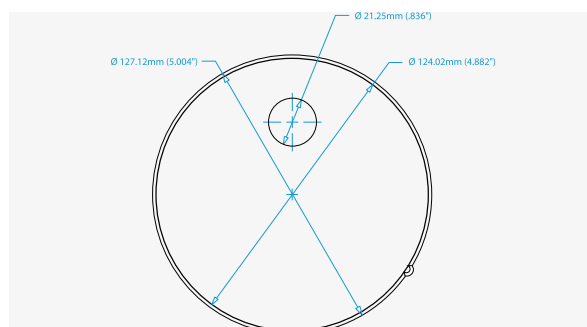


SMARTLIGHT SINGLE SPACE SENSOR

All-in-one Ultrasonic sensor for detecting free/occupied parking stall.

The lights shows if the stall is free or occupied.

The high performances of this device guarantee a quick status change of the parking stall.



Main feature

Integrated solution for the Parking management.

High visibility LED light.

Flexible installation.

Maintenance free device

Operations

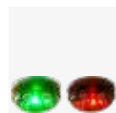
The sensor detects the status of the parking stall by measuring the distance with ultrasonic technology.

When a vehicle occupy the parking stall the device detects it and gives the indication of "occupied".

LED's change from Green (free space) to Red (occupied)

	SMARTLIGHT SINGLE SPACE SENSOR RG	SMARTLIGHT SINGLE SPACE SENSOR RB
Supply voltage	24 VDC \pm 10%	24 VDC \pm 10%
Max power consumption	(ciascun sensore) 35 mA	(ciascun sensore) 35 mA
LED brightness	Green: 8700 mcd - Red: 4180 mcd	Blue: 4180 mcd - Red: 4180 mcd
Sizes	Ø 125 x 58 mm	Ø 125 x 58 mm
Protection rating	IP54	IP54
Communication interface	RS485	RS485
Recommended connection	18 AWG 4-conductors + shielded wire	18 AWG 4-conductors + shielded wire
Operating temperature	-20 \pm 70 °C	-20 \pm 70 °C

VERSIONS



135837 - SMARTLIGHT SINGLE SPACE SENSOR RG

All-in-one Ultrasonic sensor for detecting free/occupied parking stall. LED's change status green/red respectively for free/occupied stall. The high performances of this device guarantee a quick status change of the parking stall.



135838 - SMARTLIGHT SINGLE SPACE SENSOR RB

All-in-one Ultrasonic sensor for detecting free/occupied parking stall. LED's change status blu/red respectively for free/occupied stall. Used for giving indication on the status of a "special" area/stall. The high performances of this device guarantee a quick status change of the parking stall.

SMARTLIGHT VMS

RGB full-color display showing status of each stall of the parking area in real time.



Main feature

Color graphic content and text
Suited for both ceiling or lane side installation
LED type: high light intensity, wide angle, RGB

Operations

Matrix led color display; it offers a large variety of combination of graphic and text
Various selectable characters, text size, symbols etc
Dot pitch: 11,55 mm - great readability also from long distance (tenths of meters)
Indication of all directions, wheelchair or other graphic indications.
Available with 3 or 4 digits
RS485 connection

	SMARTLIGHT VMS 3D	SMARTLIGHT VMS 4D
Supply voltage	24 VDC \pm 10%	24 VDC \pm 10%
Max power consumption	50 W	50 W
Brightness	22,95 cd/m ²	22,95 cd/m ²
Operating temperature	-40 \div 60 °C	-40 \div 60 °C
Sizes	325x187x55 mm	418x187x55 mm
Protection rating	IP65	IP65
Communication interface	RS485	RS485
Recommended connection	18 AWG 4-conductors + shielded wire	18 AWG 4-conductors + shielded wire

VERSIONS



135841 - SMARTLIGHT VMS 3D

RGB full-color display showing status of each stall of the parking area in real time. IP65 box for indoor/outdoor use, 3 LED digit indicating free spaces, brackets, 24V Power supply, adjustable intensity.



135843 - SMARTLIGHT VMS 4D

RGB full-color display showing status of each stall of the parking area in real time. IP65 box for indoor/outdoor use, 4 LED digit indicating free spaces, brackets, 24V Power supply, adjustable intensity.

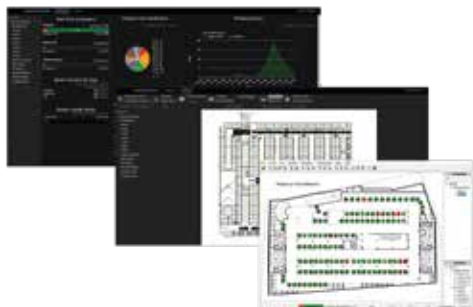
SMARTLIGHT VISUAL CONTROL SOFTWARE

Software management for the PGS Smartlight

With its user friendly interface it allows an easy customization and simple programming of all function/devices.

The information of space availability, counters and panel indication are all real time updated.

Various statistical reports including graphics.



Main feature

Real time overall situation of the Parking area.

Reports including turnover, alarms and occupancy can be differentiated by floor.

Customizable reports

Customizable lay-out of the Parking area and location of the devices

Full control and programming for panels and LED sensors

Full monitoring of alarms for panels, variable message panels and LED sensors

Possibility to program booked areas/stalls

Areas/floor counters

System requirement

Operating System: Windows®7/10, Windows Server®2016/2019

CPU: AMD® or Intel® Dual Core @ 3.40 GHz or greater

Required: 4 GB RAM (minimum)

Hard Drive: minimum 400 MB free disk space

Database: Microsoft® SQL Server

*Note: all system requirements are satisfied for server supplied by BFT.

VERSIONS

P975091 - SMARTLIGHT SERVER

System including PC, monitor, SW licence for PGS Smartlight With its user friendly interface it allows an easy customization and simple programming of all function/devices. The information of space availability, counters and panel indication are all real time updated. Various statistical reports including graphics.

135842 - SMARTLIGHT VISUAL CONTROL SOFTWARE

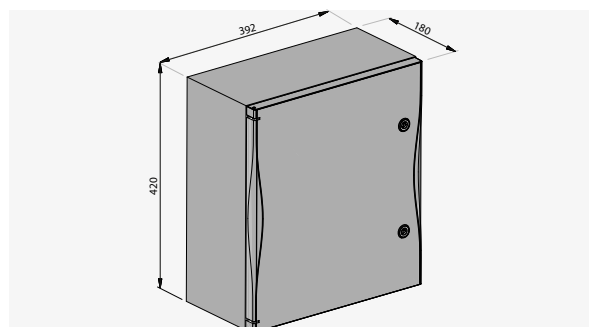


Software management for the PGS Smartlight With its user friendly interface it allows an easy customization and simple programming of all function/devices. The information of space availability, counters and panel indication are all real time updated. Various statistical reports including graphics.



SMARTLIGHT COMMUNICATION POINT MASTER

Centralizing control panel for PGS Smartlight.
It manage all data from the connected devices (up to 96).
Including control board, terminals, power supply and communication device RS485/LAN.



Basic components

- Cabinet with UV protection.
- Halogen free materials.
- Zone controller.
- RS485 / LAN converter.
- Converter and Zone controller power supply.
- Single space sensors power supply.
- Variable message sign power supply (option).
- Clamps with dedicated communication and power lines for sensors and sign connection.

Operations

The Zone controller uses 3 Bus to supply power and collect data from sensors (Max 96, 32 sensors each Bus).
For big areas it is possible to connect to the server more Zone controllers.
The Zone controller centralizes data to be transmitted to the Server; receive from the server the status of all devices; transmit information to the variable message indication panels.
The Zone controller collect also data for counters

VERSIONS

	P208006M1 - SMARTLIGHT COMMUNICATION POINT MASTER				
	Centralizing panel for PGS Smartlight It manage all data from the connected devices (up to 96). Including control board, terminals, power supply and communication device RS485/LAN.				



SMARTGATE

SMARTGATE is a web based system for access control. It is based on license plate reading, it has a simple, intuitive interface, various reports are available for statistic use.



Main feature

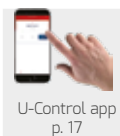
- Georeferenced cartographic map (Google Maps, Open Street or static image).
- Dedicated menu for real time transit monitoring, customizable by the user.
- Customizable reports
- System protected by user and password authentication with 5 levels of authorization.
- 3 different levels of permission are available either associated to persons or vehicle.
- Permission based on daily or weekly calendars.
- Possibility to set a maximum number of transits on a daily basis.
- Possibility to drive a different type of digital output to open barriers and gates, activate traffic light, etc.
- Real time parkings and devices monitoring.
- Transit notification.
- Multi-user software that supports multiple simultaneous connections and requests.
- Operations performed by authorized users are tracked in the system.

System requirement

Operating System: Windows 7/10, Windows Server 2016/2019.
 CPU: AMD® or Intel® Dual Core @ 3.40 GHz or greater
 Required: 4 GB RAM (minimum)
 Hard Drive: minimum 200 MB free disk space available
 Other: DBMS Microsoft SQL Server® 2008 R2 Express
 Microsoft Internet Information Server® (IIS) 7 or following, Microsoft Framework NET @4.6.2, Filezilla Server.
 *Note: all system requirements are satisfied for server supplied by BFT.
 Compatible with Nea Plus HD.

VERSIONS

P207001 - SMARTGATE SYSTEM	P207003 - SMARTGATE SERVER
Smartgate access control software license based on license plate reading, fully web based.	Smartgate access control software license based on license plate reading, fully web based, with pc and monitor.



accessories for control units
 set of batteries for control units
 expansion boards
 software
 receivers
 transmitters
 control devices

P. 278 signalling devices
 P. 278 safety devices - photocells and accessories
 P. 279 safety devices - sensitive edges
 P. 280 rubber profiles
 P. 280 solenoid locks
 P. 281 release systems
 P. 281

P. 283
 P. 283
 P. 285
 P. 285
 P. 286
 P. 287



Warranty Conditions

The warranty on BFT products, except for the parking systems for which specific documentation may be consulted, is valid for 24 months as from the date of purchase/installation, provided this is duly certified by a valid tax document (invoice or receipt) bearing the details of the installed products. On request, a copy of this document must be shown/issued to the authorised service engineers. The warranty conditions cannot be applied in the total or partial absence of this documentation. ● Any nonconformity defect must be reported to the seller within two months of the discovery of the said defect, under penalty of forfeiture of the rights stated in Art. 130 para 2 of Legislative Decree 206/05 "Consumer Code" ● All purchased BFT products can be registered on the site www.bft.it ● The warranty consists in restoring materials acknowledged as defective due to irregularities in the production process to their original state of conformity by means of repair or replacement free of charge. "Free of charge" refers to the essential costs required to obtain the conformity of the above goods. Please refer to the appropriate section of the site www.bft.it for further information. ● The BFT warranty cannot be applicable if: ● the failure has been caused by a system not installed in accordance with the instructions supplied by the company; ● components which are not original BFT parts have been used for installing the motorization; ● the failures are the result of tampering or improper repairs carried out by unauthorized personnel; ● the failures have been caused by improper or careless use; ● the causes of the failure are due to external agents such as: electric discharges, tampering including accidental tampering, impacts including accidental impacts, exposure to humidity or vapour, use in extreme environmental or thermic conditions, flooding or other natural disasters. The repair or replacement of the parts during the warranty period shall not involve any extension of the applicable warranty period. No compensation shall be payable for the period during which the faulty system is inactive. ● BFT shall not be

responsible for any damages, direct or indirect, caused to persons, things or pets by failure of the product, use for purposes not appropriate to its nature and/or its capacity, use in excess of its capacity limit, and forced suspension in its use. ● The BFT network of authorised service engineers is available to support all product service activities. Please refer to the appropriate section of the site www.bft.it for further information and details ● Intervention carried out by service engineers under warranty at the installation site is subject to the payment of a call-out charge. ● The installer/Vendor, in turn, guarantees the installation, the related activities (building work, electrical work and metalwork) as well as compliance with the applicable European Directives. ● If the end user is also definable as the consumer, the above warranty will be governed in Italy according to the terms of Legislative Decree 206/05 "Consumer Code".

General Conditions of Sale

Definitions ● In the interpretation of these General Conditions of Sale, the following terms shall have the meaning specified below: ● a) Vendor: BFT S.p.A.; ● b) Purchaser: the purchaser of the Products; ● c) Parties: the Vendor and Purchaser considered jointly; ● d) Product / s: the subject-matter of the sale between Purchaser and Vendor, as described in the Contract of Sale; ● e) Technical-construction specifications: any document supplied by the Purchaser to the Vendor regarding the technical characteristics of the Product/s; ● f) Contract of Sale: any contract or instrument, including subsequent contract or instrument, or amendment and/or supplement thereof; ● g) Order: any communication, made not only in writing but also orally by which the Purchaser declares to the Vendor its intention to purchase one or more products; ● h) Order Confirmation: the form by which the Vendor declares to the Purchaser its intention to sell one or more Products; ● i) Instructions for use: the instructions for assembly, operation and maintenance which the Vendor may append to the Product. ● 2. ● b. Application of the General Conditions ● 2.1 These General Conditions apply to all purchases and sales of the Product between Vendor and Purchaser and shall prevail over any conditions of purchase prepared by the Purchaser, even in the absence of specific objections to the application of the same. ● 2.2 In the event that an existing trade agreement and / or individual contracts of sale of the Product is/are in force between the

Parties, these General Conditions shall integrate all previous agreements and / or individual contracts of sale of the Product between the Vendor and Purchaser. ● Any amendment of or addition to these General Conditions of Sale shall be valid and effective between the Parties only if in writing and signed by the Vendor. ● 3. ● Acceptance of Orders ● 3.1 The order constitutes an irrevocable offer of sale by the Vendor which lasts 90 days from the date of its receipt and formalizes the agreements contained in previous negotiations between the parties. ● 3.2 The following are the specific requirements of the order: price and payment method; product characteristics; type of packaging; procedures for return; methods of transport; destination; delivery terms and accompanying documentation. ● 3.3 The completion of the order is subject to acceptance by the Vendor, which shall be deemed to occur on transmission of the order confirmation by the Vendor. ● 3.4 An order confirmation shall remain in force for 90 days from its issue, but it shall no longer be valid if it has not been implemented within 180 days. ● 3.5 The aforementioned Orders may be altered only by subsequent agreement in writing. ● 4. ● Delivery ● 4.1 Delivery will generally occur EXWORKS INCOTERMS 2000 ICC - Paris. However, different delivery methods may be agreed by specific agreements of the Parties. ● 4.2 All costs and risks, including all insurance obligations, shall be borne by the Purchaser. ● 4.3 The terms of delivery should be considered indicative only, non-essential and not binding on the Vendor. The Vendor shall not, however, be liable for late deliveries or for default attributable to force majeure or to causes beyond their control. ● 4.4 Save as otherwise agreed, partial deliveries are allowed. ● 4.5 If the Purchaser is aware in advance of his inability to receive the goods, said Purchaser must communicate the reason to the Vendor as well as a reasonable period within which the Purchaser expects to be able to receive said goods. ● 4.6 If the Purchaser does not accept the goods at the agreed delivery time, said Purchaser would be required to pay the full amount that would have been payable had the delivery occurred. From the date of the notice of readiness for shipment, to be sent to the Purchaser via email and via fax, the Purchaser shall bear the expenses of storage and potential deterioration and depreciation, subject to the right of Vendor to claim compensation for any greater loss suffered. ● 4.7 After 30 days have expired from receipt of the notice of readiness for shipment, the

Vendor shall be entitled to terminate the contract, by special notice to be sent to the Purchaser by registered letter with return receipt, pursuant to art.18 below. ● 5. ● Packaging for transportation ● 5.1 The cost of packaging is included in the price of the Product according to the standard provided for by the Vendor. The Purchaser will be charged for the costs of special packaging requested by him, if feasible. ● 5.2. The Vendor reserves the right to determine the type of packaging in accordance with the requirements of transportation, except in the case of specific needs of the Purchaser as specified in the Order. ● 6. ● Price ● 6.1 The Vendor shall apply the price agreed with the Purchaser in the sale contract, which will not include any cost of transportation, insurance, assembly, taxes and customs fees, etc. ● 6.2 Any price increases due to increased production costs based on changes in the prices of raw materials, labour and other costs occurring after the Contract of Sale, must be agreed in writing and specifically approved by both parties. ● 6.3 In the event that the price is not indicated in the Contract of Sale, the price normally charged by the Vendor for the Product, according to the current price list, shall be applicable. ● 6.4 No complaints or disputes shall in any circumstances entitle the Purchaser to postpone or refuse payment or reduce the price. ● 7. ● Invoicing and payment ● 7.2 The Vendor shall issue an invoice based on the price indicated in the purchase Order Confirmation, in which the payment method will also be specified. ● 7.2 If the Purchaser fails to fulfil its obligation to pay the price within the period due, the Vendor shall be entitled to default interest pursuant to Legislative Decree no.231/2002. ● 7.3 In the event of persistent late payment by the Purchaser, the Vendor will be entitled to terminate the contract and claim compensation for damages, subject to the provisions of article 11 below. ● 8. ● Product Quality and Warranty of the Vendor ● 8.1 All Products supplied by the Vendor are of good quality; they are manufactured, packaged and sold in compliance with the technical-construction specifications provided by the Purchaser. ● 8.2. The Vendor warrants, moreover, that the Products comply with the technical specifications contained in the order and/or the technical documentation provided by the Purchaser and is liable only in respect of differences of the Products from the terms specified in the said technical specifications. ● 8.3 The Vendor guarantees that the Products will be in good working order for 24

months from the manufacture date. ● 8.4. The Vendor does not give any warranty in respect of the materials and / or parts of the Products which it does not produce or in respect of any damage caused by uses unknown at the time of the Order or Order Confirmation. ● 8.5 The warranty given by the Vendor is limited to the repair and / or replacement of defective parts based on manufacturing defects or poor quality of materials, excluding parts subject to normal wear and tear and parts no longer available on the market, and also excluding failures caused by overload, inexperience in handling, negligence or failure to follow the instructions provided by the Vendor. The Purchaser shall, subject to the risk of forfeiture of its legal protections herein, inform the Vendor of the flaws and defects discovered in the Products in accordance with article 11 below. ● 8.6. The Vendor shall not be liable for loss, direct or indirect, resulting from the replacement times required for the repair and / or replacement warranted. ● 8.7. The Purchaser will lose the warranty given by Vendor in the event that: ● it does not perform the operations and / or installations within its competence in accordance with industry standards; ● it performs or ensures the performance by third parties - without prior written consent of the Vendor - of repairs, replacements, modifications or other interventions to the Products during the warranty period; ● it does not comply with the directions, procedures for use and information of the Vendor relating to the proper use and regular maintenance of the Products. ● 9. ● Obligations of the Purchaser ● 9.1 The Purchaser must have the facilities and means necessary for the proper use of the Products, and must know their characteristics and have full technological knowledge and capacity for their correct use. ● 9.2 The Purchaser shall also, in the implementation of this Contract, comply with and respect all local laws and regulations including best business practices, and shall indemnify the Vendor against any loss, whether direct or indirect, suffered by the Vendor as result of any infringement by the Purchaser of such laws and regulations. ● 9.3. It is agreed that the Purchaser bears full responsibility for the failure to inform the Vendor about the local laws and regulations in force in the State in which the Product will be used. In such case, any costs incurred for ensuring that the Product complies with the provisions of the laws and regulations of the State in which it is to be used, shall be borne exclusively by the Purchaser. ● 9.4 If the Purchaser fails to fulfil its obligations under the preceding paragraphs, it must

in all cases: ● collect the Products ordered and those being delivered and bear the associated costs of delivery; ● make the payments due based on the orders made; ● indemnify and continue to indemnify the Vendor against any loss, direct or indirect, suffered by the Vendor as a result of any infringement by the Purchaser of the aforementioned laws and reparations. ● 10. Faults and complaints ● The following applies in relation to faults and complaints relating to the Product: ● a) complaints relating to generally recognisable faults associated with the Product must be reported in writing, at the risk of forfeiting the right, within 30 (thirty) days from its delivery; in other cases the term of 8 (eight) days shall run from the discovery of the faults in question. In both cases, the complaints must be supported by samples taken during joint consultation with the Vendor or by a person indicated by the same within 40 (forty) days from the presentation of the claim. ● Complaints about the Product cannot be taken into consideration if they refer to features that are not indicated in the technical Specifications or do not relate to the normal use of the Product. ● b) any packaging defects must be reported in writing, at the risk of forfeiture of the right, at the time of delivery. ● c) no complaint about the quality and / or integrity of the Product and packaging will be accepted: ● ii) if the Purchaser has not made the Product available for the necessary inspections; ● 10.2 It is compulsory for the Purchaser to store the Product it believes to be defective in a suitable place available to the Vendor for the necessary investigations and, in any case, to adopt any measures necessary to reduce the risk of further damage to the said Product. ● 10.3 In any case the Purchaser is obliged, from the moment of discovery of the defects, to immediately stop using the Product presumed to be defective, and to take any measures necessary to limit the damage to said Product. ● 10.4 If the verification of the goods leads to the discovery of a defect attributable to the manufacturing process, the Vendor shall be required to replace the products deemed unusable ● 10.5 The Vendor's liability shall be limited to defects attributable to manufacturing defects. ● 10.6 The failure to send complaints or objections within the aforementioned deadlines and/or the use of the Product by the Purchaser despite its discovery of the defects, constitutes unconditional acceptance of the Product as well as waiver of any complaint or objection relating to the same. ● 11. Obligations of the Purchaser in case of defects and complaints ● 11.1 The

Purchaser shall, without delay and in compliance with the provisions specified in art. 10 above, notify the Vendor of all defects, including apparent defects relating to quality and quantity. Such notification shall be sent by and no later than the deadlines specified in art. 10 above; during this period the Product shall be made available for return to the Vendor, which will provide all the necessary instructions. ● 11.2 In case of defects which may cause loss, such notice shall be given immediately. ● 11.3 The notification must contain a description of the defect. ● 11.4 If such notification is not sent within the deadlines established, the Purchaser will lose the right to replacement/repair of the Product. ● 11.5 In the event that the Purchaser has notified the defects within the relevant time period but no defect is discovered, the Vendor will be entitled to dismiss the complaint. ● 11.6 It is compulsory for the Purchaser, at the risk of forfeiting the right to bring a valid complaint, to store the Product it believes to be defective in a suitable place available to the Vendor for the necessary investigations and, in any case, to adopt any measures necessary to reduce the risk of further damage to the said Product. ● 12. Force majeure ● 12.1 The Vendor shall not be liable for late delivery or for the non-fulfilment of contractual terms directly or indirectly caused by: ● events of force majeure (the following is a non-exhaustive list of such events for purposes of this clause: legal prohibitions, wars, riots, revolutions, strikes or other labour disputes, fires, floods, sabotage, nuclear accidents, earthquakes, storms, epidemics); ● circumstances independent of the Vendor's control which prevent the recruitment of manpower or the sourcing of materials, raw materials, components, systems in general, energy, fuel, transport vehicles, licenses or government regulations. ● The Vendor shall give prompt written notice of any cessation of force majeure. ● 13. Drawings and documents ● 13.1 None of the drawings, technical documents, specifications, illustrations and other information related to the Product and its creation which are transmitted by the Vendor may be used, without the express written permission of the said Vendor, save for the purposes for which they were transmitted e.g. for the use, maintenance and marketing of the Product. ● 13.2 The sale of the Product to the Purchaser does not imply - even if intended for distribution or any other form of marketing of the Product - the grant of licences or other rights to trademarks, patents or other intellectual property rights. ● 14. Intellectual

property ● 14.1 All information, technical standards, specifications and procedures provided by the Vendor are the sole property of the latter. No trademark license or license to exploit patents or other industrial or intellectual property rights, related to the technical specifications and know-how provided, is granted to the Purchaser by signing this Contract. ● 14.2 The Purchaser shall, upon termination of the relationship or completion of the contract performance, promptly return to the Vendor all information, documents, specifications owned by the Vendor. ● 15. Confidentiality and confidential information ● The Purchaser and Vendor acknowledge that each Party may disclose to the other Party confidential information relating to its own business. Each Party agrees to keep such information confidential and not disclose the contents thereof to any third party, to use such information only for the purposes of the Contract of Sale and to return, following a request of the other Party, any documents received which contain confidential information. ● 16. Safety standards ● Products are manufactured in accordance with Italian safety standards. It is agreed that the Purchaser bears full responsibility for the failure to inform the Vendor about the local laws and regulations in force in the State in which the Product will be used. In such case, any costs incurred for ensuring that the Product complies with the provisions of the laws and regulations of the State in which it is to be used, shall be borne exclusively by the Purchaser. ● 17. Privacy ● Pursuant to Legislative Decree No. 196/2003, the Vendor declares that: a) the Purchaser's data are processed and / or disclosed to third parties (e.g. banks, external consultants, etc.) in accordance with the aforementioned standards and regulations, for the purpose of implementing the contracts; b) the Purchaser is entitled to exercise the rights under Art. 13 of Law No. 675/96 (Annex 1). 1). ● 18. Governing law and jurisdiction ● 18.1 The present General Conditions and the Contracts of Sale related thereto are governed by Italian law. Any disputes arising in relation to the application and interpretation of this document shall be submitted to the exclusive jurisdiction of the Tribunal of the defendant. ● 18.2 Any disputes arising from the application of the General Conditions of sale, or from the interpretation of the individual contracts of sale are governed by Italian law. ● 18.3 The language governing these General Conditions shall be Italian, notwithstanding any translation into another language. In case of inconsistency between the Italian text and the translated text, the Parties

agree that the Italian text shall prevail and will be the official document used to interpret these General Conditions. ● 18.4 The application of the United Nations Convention on the International Sale of Goods (Vienna - 1980 - CISG) is expressly excluded. ● Annex 1 ● INFORMATION CONCERNING THE PROCESSING OF PERSONAL DATA (Article 13 of Legislative Decree No. 196 June 30, 2003) ● Pursuant to Article 13 of Legislative Decree 196/2003, which introduced the Consolidated Privacy Law, BFT S.p.A. (the "Company") informs you, in your capacity as interested party, that your personal data ("Data") will be processed as follows: ● 1. PURPOSE OF THE PROCESSING ● The collection and processing of data is done by the Company for purposes of: ● a. supply / sale of products, including on-line; ● b. warranty and technical support pre- and post-sale; ● c. marketing and advertising; ● d. transmission of information and promotional material; ● e. personnel selection and recruitment services; ● f. statistical analysis for marketing purposes; ● g. survey of customer satisfaction; ● h. invitations to information or promotional events. ● 2. PROCESSING METHODS - DATA PROCESSING OPERATORS ● The processing of data for the aforementioned purposes will occur using both automated and non-automated means and in compliance with the rules of confidentiality and security provided for by law. ● The data may be processed on behalf of the company by employees, professionals or companies, agents or representatives assigned to perform specific processing services or activities complementary to those of the Company, or necessary for the operations and services of the Company. ● 3. COMMUNICATION OF DATA ● In light of the existence of electronic, IT or postal communications, the Data may be made available abroad, including outside the Member States of the European Union and may be disclosed to: ● 1. company employees not specifically authorized; ● 2. companies or other entities engaged in outsourcing for the Company. ● 4. RIGHTS OF THE INTERESTED PARTY ● Art. 7 of Legislative Decree 196/2003 grants the following rights: ● to obtain information about the data relating to the interested party; ● to obtain confirmation of the existence or otherwise of personal data relating to the interested party and their communication in intelligible form; ● to obtain the cancellation or the freezing, or the updating, rectification or supplementation of the said data, as well as a statement that such operations have been brought to the attention of those to

whom the information was communicated; ● to oppose, for legitimate reasons, the processing of data; ● to oppose processing for commercial or advertising purposes or for purposes of market research. ● To exercise these rights please write to BFT S.p.A., Via Lago di Vico, 44 36015 Schio (VI). ● 5. DATA CONTROLLER ● The Data Controller is BFT S.p.A., Via Lago di Vico, 44 36015 Schio (VI).

General Conditions of Sale and Warranty for parking systems

a. ● Definitions ● In the interpretation of these General Conditions of Sale, the following terms shall have the meaning specified below: ● a) Vendor: BFT S.p.A.; ● b) Purchaser: the purchaser of the Products; ● c) Parties: the Vendor and Purchaser considered jointly; ● d) Product / s: the subject-matter of the sale between Purchaser and Vendor, as described in the Contract of Sale; ● e) Technical-construction specifications: any document supplied by the Purchaser to the Vendor regarding the technical characteristics of the Product/s; ● f) Contract of Sale: any contract or instrument, including subsequent contract or instrument, or amendment and/or supplement thereof; ● g) Order: any communication, made not only writing but also orally by which the Purchaser declares to the Vendor its intention to purchase one or more products; ● h) Offer or sale proposal: the form by which the Vendor informs the Purchaser of the characteristics of the Product, its sale price, the validity of the offer and the General Conditions of Sale attached; ● i) Instructions for use: the instructions for assembly, operation and maintenance which the Vendor may attach to the Product. ● b. Application of General Conditions ● 2.1 These General Conditions apply to all purchases and sales of the Product between Vendor and Purchaser and shall prevail over any conditions of purchase prepared by the Purchaser. ● 2.2 In the event that an existing trade agreement and / or individual contracts of sale of the Product is/are in force between the Parties, these General Conditions shall integrate all previous agreements and / or individual contracts of sale of the Product between the Vendor and Purchaser. ● 2.3 The Purchaser acknowledges and accepts these General Conditions of Sale. Any amendment of or addition to these General Conditions of Sale shall be valid and effective between the Parties only if in writing and signed by the Vendor. ● 2.4 If one or more provisions of these General

Conditions of Sale is/are cancelled or declared invalid by law, the validity of the remaining provisions shall remain intact. ● 3. Conclusion of Contract of Sale ● 3.1 The offer constitutes an irrevocable offer of sale by the Vendor which lasts 30 days and formalizes the agreements contained in previous negotiations between the parties. ● 3.2 The offer may be preceded by an inspection conducted by the Vendor at the premises of the Purchaser and includes: price, payment terms, product characteristics, quantity, type of packaging, procedures for returns, methods of transport, destination, delivery terms and accompanying documentation, installation procedures, in addition to the General Conditions of Sale. ● 3.3 The Contract shall be deemed to be completed with the signature and transmission by the Purchaser to the Vendor of the offer and of the General Conditions of Sale. ● 3.4 The offer may be modified only by subsequent written agreement signed by both parties. ● 4. Delivery ● 4.1 Delivery will generally occur EXWORKS INCOTERMS 2010 ICC - Paris. However, different delivery methods may be agreed by specific agreements of the Parties. ● 4.2 All costs and risks, including all insurance obligations, shall be borne by the Purchaser. ● 4.3 The terms of delivery specified in the offer or order confirmation should be considered indicative only, non-essential and not binding on the Vendor. The Vendor shall not, however, be liable for late deliveries or for default attributable to force majeure or to causes beyond their control. ● 4.4 In the absence of agreement in writing to the contrary between the Parties, partial deliveries are allowed. ● 4.5 If the Purchaser is aware in advance of his inability to receive the goods, said Purchaser must communicate the reason to the Vendor as well as a reasonable period within which the Purchaser expects to be able to receive said goods. ● 4.6 If the Purchaser does not accept the goods at the agreed delivery time, said Purchaser would be required to pay the full amount that would have been payable had the delivery occurred. From the date of the notice of readiness for shipment, to be sent to the Purchaser is via email and via fax, the Purchaser shall bear the expenses for storage and potential deterioration and depreciation, subject to the right of Vendor to claim compensation for any greater loss suffered. ● 4.7 After 30 days from receipt of the notice of readiness for shipment, the Vendor shall be entitled to terminate the contract, by special notice to be sent to the Purchaser by registered letter with return receipt, pursuant to art.18 below. In this case,

the Vendor shall be entitled to demand the payment of a penalty amounting to 10% of the value of the order, without prejudice to the Vendor's right to claim compensation for greater loss suffered. ● 5. Packaging for transportation ● 5.1 The cost of packaging is included in the price of the Product according to the standard provided for by the Vendor. The Purchaser will be charged for the costs of special packaging requested by him, if feasible. ● 5.2. ● The Vendor reserves the right to determine the type of packaging in accordance with the requirements of transportation, except in the case of specific needs of the Purchaser as specified in the Order. ● 6. Price ● 6.1 The Vendor shall apply the price agreed with the Purchaser in the sale contract, which will not include any cost of transportation, insurance, assembly, taxes and customs fees, etc. (if EXW) ● 6.2 Any price increases due to increased production costs based on changes in the prices of raw materials, labor and other costs occurring after the Contract of Sale shall be borne by the Purchaser. ● 6.3 In the event that the price is not indicated in the Contract of Sale, the price normally charged by the Vendor for the Product, according to the current price list, shall be applicable. ● 6.4 No complaints or disputes shall in any circumstances entitled the Purchaser to postpone or refuse payment or reduce the price. ● 7. Invoicing and payment ● 7.1 The Vendor shall invoice on the basis of the price indicated in the preceding Article 6. The methods of payment will also be determined in the sale contract (or in the Order or Order Confirmation or in the Offer). If the Contract of Sale (or the Order or the Order Confirmation or the Offer) do not contain the payment procedures and terms, payment shall be made as to 20% by bank transfer at the time of the Order (or of the signature of the Offer and of the General Conditions of Sale) and the remaining 80% shall be paid 60 days from the date of delivery. ● 7.2 If the Purchaser fails to fulfill its obligation to pay the price within the period due, the Vendor shall be entitled to default interest pursuant to Legislative Decree n.231/2002. ● 7.3 In the event of persistent late payment by the Purchaser, the Vendor will be entitled to terminate the contract and claim compensation for damages, subject to the provisions of article 11 below. ● 7.4 In the event of staggered deliveries, failure to pay at the deadlines agreed for the individual supplies shall entitle the Vendor to suspend further deliveries until payment of the balance due. ● 8. Product Quality and Warranty of the Vendor ●

8.1 All Products supplied by the Vendor are of good quality; they are manufactured, packaged and sold in compliance with the technical-construction specifications provided by the Purchaser. ● 8.2. The Vendor is responsible only for Product differences based on the aforementioned technical specifications. ● 8.3 The Vendor guarantees the proper functioning of the products for 12 months from the date of installation and testing, certified by appropriate record/declaration, dated and signed. Longer warranty periods may be established by agreement of the parties, but they shall not exceed 18 months from the invoice date of the Product. ● 8.4. The Vendor does not give any warranty in respect of the materials and / or parts of the Products which it does not produce or in respect of any damage caused by uses unknown at the time of the Order or Order Confirmation (or Acceptance of the Offer). ● 8.5 The warranty given by the Vendor is limited to the repair and / or replacement of defective parts based on manufacturing defects or poor quality of materials, excluding parts subject to normal wear and tear and parts no longer available on the market, and also excluding failures caused by overload, inexperience in handling, negligence or failure to follow the instructions provided by the Vendor. The Purchaser shall, subject to the risk of forfeiture of its legal protections herein, inform the Vendor of the vices and defects discovered in the Products in accordance with article 11 below. ● 8.6. The Vendor shall not be liable for loss, direct or indirect, resulting from the replacement times required for the repair and / or replacement warranted. ● 8.7. The Purchaser will lose the warranty given by Vendor in the event that: ● it does not perform the installation and testing within 3 months after delivery of the Product; ● it does not accept that the installation and testing should be carried out by technicians / installers sent directly by the Vendor or it directly organises the installation itself, without the prior written consent of the Vendor; ● it does not perform the operations and / or installations within its competence in accordance with industry standards; ● it performs or ensures the performance by third parties - without prior written consent of the Vendor - of repairs, replacements, modifications or other interventions to the Products during the warranty period; ● it does not observe the directions, procedures for use and information of the Vendor relating to the proper use and regular maintenance of the Products. ● 8.8. In case of installation and testing performed by third parties

and not specifically authorized by the Vendor as provided for by art. 8.7, first paragraph, the warranty will cover only the Product in its original configuration, including any ancillary equipment. ● 9. Obligations of the Purchaser ● 9.1 The Purchaser must have the facilities and means necessary for the proper use of the Products, and must know their characteristics and have full technological knowledge and capacity, in accordance with the instructions for use, with which it guarantees compliance. ● 9.2 The Purchaser must ensure that the relevant systems and areas are in compliance with the requirements specified by the Vendor prior to the installation of the Products. ● 9.3 It is agreed that the Vendor will be responsible for the installation and testing of the Products, unless otherwise agreed in writing between the Parties. To this end, the Vendor will provide the Purchaser with the technical advice necessary for completion of these operations and will dispatch technicians / installers directly, and the Purchaser will facilitate their work of installation and testing in the zones referred to in Article 9.2 in any possible manner. ● 9.4 The Purchaser shall also, in the implementation of this Contract, comply with and respect all local laws and regulations including best business practices, and shall indemnify the Vendor against any loss, whether direct or indirect, suffered by the Vendor as result of any infringement by the Purchaser of such laws and regulations. ● 9.5. It is agreed that the Purchaser bears full responsibility for the failure to inform the Vendor about the local laws and regulations in force in the State in which the Product will be used. In such case, any costs incurred for ensuring that the Product complies with the provisions of the laws and regulations of the State in which it is to be used, shall be borne exclusively by the Purchaser. ● 9.6 If the Purchaser fails to fulfil its obligations under the preceding paragraphs, it must in all cases: ● collect the Products ordered and those being delivered and bear the associated costs of delivery; ● make the payments due based on the orders made; ● indemnify and continue to indemnify the Vendor against any loss, direct or indirect, suffered by the Vendor as a result of any infringement by the Purchaser of the aforementioned laws and reparations. ● 10. Faults and complaints ● The following applies in relation to faults and complaints relating to the Product: ● a) complaints relating to generally recognisable faults associated with the Product must be reported in writing, at the risk of forfeiting the right, within 30 (thirty) days from its

delivery; in other cases the term of 8 (eight) days shall run from the discovery of the faults in question. In both cases, the complaints must be supported by samples taken during joint consultation with the Vendor or by a person indicated by the same within 40 (forty) days from the presentation of the claim. ● Complaints about the Product cannot be taken into consideration if they refer to features that are not indicated in the technical Specifications or do not relate to the normal use of the Product or if the Product has not been installed in accordance with industry standards and inspected by technicians / installers dispatched directly and / or indicated and / or approved by the Vendor. ● If the installation and testing have been carried out in accordance with Art. 8.8, complaints about products that are not in their original configuration cannot be taken into consideration, including any equipment which is ancillary and excluded from the guarantee under the letters a) b) and c). ● b) any packaging defects must be reported in writing, at the risk of forfeiture of the right, at the time of delivery. ● c) no complaint about the quality and / or integrity of the Product and packaging will be accepted: ● i) in case of evident defect, if the Purchaser has not confirmed this in writing at the time of delivery, or ● ii) if the Purchaser has not made the Product available for the necessary inspections; ● iii) if the Product has been installed and tested in accordance with industrial standards by technicians / installers dispatched directly and / or indicated and / or approved by the Vendor, or installed pursuant to art. 8.8, the Product is not in its original configuration and / or the warranty is excluded on the basis of letter a) b) and c). ● 10.2 It is compulsory for the Purchaser to store the Product it believes to be defective in a suitable place available to the Vendor for the necessary investigations and, in any case, to adopt any measures necessary to reduce the risk of further damage to the said Product. ● 10.3 In any case the Purchaser is obliged, from the moment of discovery of the defects, to immediately stop using the Product presumed to be defective, and to take any measures necessary to limit the damage to said Product. ● 10.4 If the verification of the goods leads to the discovery of a defect attributable to the manufacturing process, the Vendor's obligation will be limited to replacing the products deemed unusable, without being obliged to pay compensation for any direct / indirect loss or expenses of whatever nature or cause, subject to the intervention procedures provided for in

art. 11.1. ● 10.5 The Vendor's liability shall be limited to defects attributable to manufacturing defects. ● 10.6 The failure to send complaints or objections within the aforementioned deadlines and/or the use of the Product by the Purchaser despite its discovery of the defects, constitutes unconditional acceptance of the Product as well as waiver of any complaint or objection relating to the same. ● 11. Obligations of the Purchaser in case of defects and complaints ● 11.1 The Purchaser shall, without delay and in compliance with the provisions specified in art. 10 above, notify the Vendor of all defects, including apparent defects relating to quality and quantity. Such notification shall be sent by and no later than the deadlines specified in art. 10 above; during this period the Product shall be made available for return to the Vendor, which will provide all the necessary instructions, and within 24 hours if the intervention can be managed through customer support or within 48 hours if the intervention involves the dispatch of an agent of the Vendor; the Purchaser is aware that any intervention will occur from Monday to Friday during the following hours: 8.00 -12.00 and 14.00 -18.00 ● 11.2 In case of defects which may cause loss, such notice shall be given immediately. ● 11.3 The notification must contain a description of the defect. ● 11.4 If such notification is not sent within the deadlines established, without prejudice to the provisions concerning the proper installation of the Product, the Purchaser will lose the right to replacement/repair of the Product. ● 11.5 In the event that the Purchaser has notified the defects within the relevant time period but no defect is discovered, the Vendor will be entitled to dismiss the complaint. ● 11.6 Unless otherwise agreed between the Parties, the Purchaser shall be responsible for covering all transport and import costs / duties relating to the return of the defective products. ● 11.7 In any event the Purchaser is obliged, at the risk of forfeiting the right to bring a valid complaint, to store the Product deemed to be effective in accordance with the provisions of art. 10.2. ● 12. Retention of title ● 12.1 The Product shall remain the property of the Vendor until such time as the price has been paid in full. ● 12.2 The Purchaser, at the Vendor's request, shall provide assistance to the latter in a manner that enables the Vendor to reserve ownership in accordance with the layout of the place in question. The reservation of title will not in any way affect the transfer of risk. ● 12.3 Until full payment of the Product, the Purchaser

will be considered simply to have possession thereof and therefore the Purchaser must keep it in perfect condition, as required by Article 1768 of Italian Civil Code. ● 12.4 It is agreed that the Vendor will be entitled to perform a retention of title to the Product if the price has not been paid in full after one year has elapsed from delivery of the Product. ● 13. Responsibility of the Purchaser ● 13.1 The Vendor shall not be liable for loss to third parties and / or products caused by the Purchaser. ● 13.2 The Purchaser shall indemnify the Vendor in the event that the Vendor incurs liability as described above with respect to third parties. ● 13.3 In the event that a third party claims loss to one of the parties, the party involved must give immediate written notice thereof to the other ● 14. Force majeure ● 14.1 The Vendor shall not be liable for late delivery or for the non-fulfilment of contractual terms directly or indirectly caused by: ● events of force majeure (the following is a non-exhaustive list of such events for purposes of this clause: legal prohibitions, wars, riots, revolutions, strikes or other labour disputes, fires, floods, sabotage, nuclear accidents, earthquakes, storms, epidemics); ● circumstances independent of the Vendor's control which prevent the recruitment of manpower or the sourcing of materials, raw materials, components, systems in general, energy, fuel, transport vehicles, licenses or government regulations. ● The Vendor shall give prompt written notice of any cessation of force majeure. ● 14.2 In the event that an event of force majeure prevents the Purchaser from carrying out its obligations, it shall indemnify the Vendor for the costs incurred for insurance and storage of the Product. ● 15. Drawings and documents ● 15.1 None of the drawings, technical documents, specifications, illustrations and other information related to the Product and its creation which are transmitted by the Vendor may be used, without the express written permission of the said Vendor, save for the purposes for which they were transmitted e.g. for the use, main tenance and marketing of the Product. ● 15.2 The sale of the Product to the Purchaser does not imply - even if intended for distribution or any other form of marketing of the Product - the grant of licences or other rights to trademarks, patents or other intellectual property rights. ● 16. Intellectual property ● 16.1 All information, technical standards, specifications and procedures provided by the Vendor are the sole property of the latter. No trademark license or license to exploit patents or other industrial or intellectual property

rights, related to the technical specifications and know-how provided, is granted to the Purchaser by signing this Contract. ● 16.2 The Purchaser shall, upon termination of the relationship or completion of the contract performance, promptly return to the Vendor all information, documents, specifications owned by the Vendor. ● 17. Confidentiality and confidential information ● The Purchaser and Vendor acknowledge that each Party may disclose to the other Party confidential information relating to its business. Each Party agrees to keep such information confidential and not disclose the contents thereof to any third party, to use such information only for the purposes of the sale Contract and to return, following a request of the other Party, any documents received which contain confidential information. ● This obligation of confidentiality is extended to the representatives, consultants, assistants, supervisors and third parties assigned by the Parties during the implementation of the Contract. ● 18. Express termination clause and penalty ● 18.1 Pursuant to art. 1456 Civil Code, the Contract of sale will be cancelled, subject to a declaration to this effect by the Vendor if the Purchaser: ● fails to make a payment; ● has not accepted the Products after 30 days have elapsed from the posting of the notice of readiness for shipment; ● if the technical-construction specifications provided by the Purchaser are not suitable /adequate and / or not in compliance with the regulations in force. ● 18.2 In the event of rescission of the Contract pursuant to art. 18.1, the Purchaser will be required to pay a penalty equal to 10% of the sale price agreed, to be paid within 7 days of receipt of the declaration of rescission by the Vendor, without prejudice to the latter's right to claim compensation for greater loss. ● 19. Safety standards ● Products are manufactured in accordance with Italian safety standards. It is agreed that the Purchaser bears full responsibility for the failure to inform the Vendor about the local laws and regulations in force in the State in which the Product will be used. In such case, any costs incurred for ensuring that the Product complies with the provisions of the laws and regulations of the State in which it is to be used, shall be borne exclusively by the Purchaser. ● 20. Installation and start-up ● The installation and start-up of the products sold is regulated and governed in accordance with the provisions of Annex 2 to these General Conditions, which constitutes an integral part of the latter; therefore the knowledge and acceptance of these General Conditions also implies the know

ledge and acceptance of the provisions of the said Annex. ● 21. Privacy ● Pursuant to Legislative Decree No. 196/2003, the Vendor declares that: a) the Purchaser's data are processed and / or disclosed to third parties (e.g. banks, external consultants, etc.) in accordance with the aforementioned standards and regulations, for the purpose of implementing the contracts; b) the Vendor, located in Via Armentera 8, 38051 Borgo Valsugana (TN) is the Data Controller; c) the Purchaser is entitled to exercise the rights under Art. 7 or 13? of Law No. 675/96 (Annex 1) 1). ● 22. Governing law and language ● 22.1 All matters not regulated by the General Conditions of sale or the individual contracts of sale are governed by Italian law. ● 22.2 Any disputes arising from the application of the General Conditions of sale, or from the interpretation thereof or of the individual contracts of sale, are governed by Italian law. ● 22.3 The language governing these General Conditions shall be Italian, notwithstanding any translation into another language. In case of inconsistency between the Italian text and the translated text, the Parties agree that the Italian text shall prevail and will be the official document used to interpret these General Conditions. ● 22.4 The application of the United Nations Convention on the International Sale of Goods (Vienna - 1980 - CISG) is expressly excluded. ● 23. Court of Competent Jurisdiction ● Any disputes arising in relation to the Contract of sale, including those related to its validity, interpretation, implementation and termination, shall be referred to the exclusive jurisdiction of the Court of Trento. ● Annex 1 ● INFORMATION CONCERNING THE PROCESSING OF PERSONAL DATA (Article 13 of Legislative Decree No. 196 June 30, 2003) ● Pursuant to Article. 13 of Legislative Decree 196/2003, which introduced the Consolidated Privacy Law, BFT S.p.A. (the "Company") informs you, in your capacity as interested party, that your personal data ("Data") will be processed as follows: ● 1. PURPOSE OF THE PROCESSING ● The collection and processing of data is done by the Company for purposes of: ● a. supply / sale of products, including on-line; ● b. warranty and technical support pre- and post-sale; ● c. marketing and advertising; ● d. transmission of information and promotional material; ● e. personnel selection and recruitment services; ● f. statistical analysis for marketing purposes; ● g. survey of customer satisfaction; ● h. invitation to information or promotional events. ● 2. PROCESSING METHODS - DATA PROCESSING

OPERATORS ● The processing of data for the aforementioned purposes will occur using both automated and non-automated means and in compliance with the rules of confidentiality and security provided for by law. ● The data may be processed on behalf of the company by employees, professionals or companies, agents or representatives assigned to perform specific processing services or activities complementary to those of the Company, such as promotion and marketing of the Product, also using photographs of the products supplied / sold after installation, or necessary for the operations and services of the Company. ● 3. COMMUNICATION OF DATA ● In light of the existence of electronic, IT or postal communications, the Data may be made available abroad, including outside the Member States of the European Union and may be disclosed to: ● 1. company employees not specifically authorized; ● 2. companies or other entities engaged in outsourcing for the Company; ● 3. agents and representatives; ● 4. third party purchasers of the Product. ● 4. RIGHTS OF THE INTERESTED PARTY ● Art. 7 of Legislative Decree 196/2003 grants the following rights: ● to obtain information about the data relating to the interested party; ● to obtain confirmation of the existence or otherwise of personal data relating to the interested party and their communication in intelligible form; ● to obtain the cancellation or the freezing, or the updating, rectification or supplementation of the said data, as well as a statement that such operations have been brought to the attention of those to whom the information was communicated; ● to oppose, for legitimate reasons, the processing of data; ● to oppose processing for commercial or advertising purposes or for purposes of market research. ● To exercise these rights please write to BFT S.p.A., Via Armentera 8, 38051 Borgo Valsugana (TN) ● 5. DATA CONTROLLER ● The Data Controller is BFT S.p.A., Via Armentera 8, 38051 Borgo Valsugana (TN) ● Annex 2 ● CONDITIONS OF INSTALLATION AND START-UP ● (Start-Up) ● The following is a description of the activities to be performed: ● control of suitability of trigger voltage using suitable tester (230 Volt, 115 Volt). ● connection and turning on of apparatus using any programming and customizations if included in the offer (within the technical limitations of the equipment). ● verification of operation of data lines and connections to terminals. ● control of value of induction in coils (e.g. 200 uH high sensitivity coils). ● setting of detector coils if part of the supply, and testing of metallic masses within fixed

limits. ● functional test of system (see service manual) ● explanation of operation of equipment (see service manual). ● explanation of parts subject to wear and tear and spare parts with introduction to the primary maintenance for maintaining the equipment in a state of efficiency. (see service manual). ● issue of test certificate using the "test certificate" form. ● The testing must be done in the presence of personnel authorized and / or delegated by the customer; in the absence of such authorized and / or delegated personnel, the test shall be deemed not to have been carried out, without prejudice to the express written agreement of the parties. ● If at the end of the test the person delegated is not present or refuses to sign off on the test, the said test shall be deemed invalid and to be repeated at a later date to be agreed between the parties, with full invoicing of the same, save in the case of obvious malfunctions of the system attributable to the supply of the material relating to the offer. ● Below is a list of activities deemed to be excluded and therefore not the responsibility of our Company: ● supply and preparation of cables, construction works, civil and plant engineering works. ● resolution of any problems caused by incorrect laying of cables, tampering or use of cables / equipment not recommended by the Head Office. ● The start-up is dependent on the correct application of the specifications as laid down and communicated; in the event that these are not consistent with the guidelines of the Head Office, the start-up will have to be performed at a later date and must be invoiced again, save as otherwise agreed in writing. ● Annex 3 ● Warranty Conditions ● Work carried out under warranty is performed following via fax / mail or telephone communication by the customer within the following three working days. ● In the event that, following intervention to the system, the warranty conditions are not met due to incorrect use of the system or part thereof, BFT S.p.A. reserves the right to charge the customer the cost for the intervention and travel expenses amounting to Euro 800 per working day employed. ● In the event that, following a customer support intervention, defects are found which result from incorrect use of the system (e.g. viruses, installed programs not part of the original installation, configuration file changes, etc.), BFT S.p.A. reserves the right to charge intervention costs of Euro 50 / hour.

BFT



SPAIN
**BFT GROUP ITALIBERICA DE
AUTOMATISMOS S.L.**

FRANCE
**AUTOMATISMES
BFT FRANCE SA**

FRANCE
BFT SUD EST SARL

GERMANY
BFT ANTRIEBSSYSTEME GMBH

UNITED KINGDOM
BFT AUTOMATION UK LTD

UNITED KINGDOM
**BFT AUTOMATION (SOUTH)
LDT**

IRELAND
BFT AUTOMATION LTD

BELGIUM
BFT BENELUX SA

POLAND
BFT POLSKA SP. Z O.O.

CROATIA
BFT-ADRIA D.O.O.

PORTUGAL
**BFT SA-COMERCIO DE AUTOMATISMOS
E MATERIAL DE SEGURANÇA**

CZECH REPUBLIC
BFT CZ S.R.O.

TURKEY
**BFT OTOMATIK KAPI
SISTEMLERI SAN. VE. TIC. A.S.**

RUSSIA
BFT RUSSIA

AUSTRALIA
**BFT AUTOMATION AUSTRALIA
PTY LTD**

U.S.A.
BFT AMERICAS INC.

CHINA
**BFT AUTO GATE & DOOR CO.
LTD**

U.A.E.
BFT MIDDLE EAST F.Z.CO.

NEW ZELAND
**BFT AUTOMATION NEW
ZEALAND LTD**

INDIA
**BFT AUTOMATION SYSTEMS
PRIVATE LIMITED**

LATVIA
**BFT LATVIA & ESTONIA &
LITHUANIA & FINLAND**

Bft Spa

Via Lago di Vico, 44
36015 Schio (VI) ITALY
T +39 0445 69 65 11
F +39 044569 65 22

info@bft.it

www.bft-automation.com

BFT / A BRAND OF SOMFY GROUP

D833262 0AA03
Catalogo internazionale Inglese 2020/2021 senza prezzi
rev 06



Be ahead