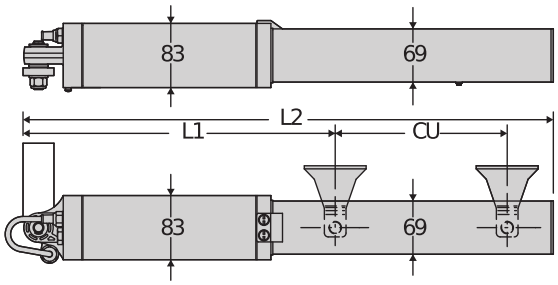
Be ahead

HOME
ACCESS AUTOMATION

LUX

LUX

Hydraulic automation systems for swing gates



	L1	CU	L2
LUX / LUX B / LUX 2B	715	270	1025
LUX FC 2B	850	280	1320
LUX R 2B SN2	710	250	1050
LUX MB / LUX L	715	270	1025
LUX G	850	390	1300

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.

Relevant features

All-aluminium structure with high-resistance anodising treatment.

The by-pass valves, in the 230V versions, allow the exact setting of the torque separately and independently for opening and closing.

The slowdown during closing (R versions) guarantees silent, smooth movements on even the biggest gates. Also, the adjustment screw makes it possible to adapt the slowdown intensity to needs of each situation.

Hydraulic automation systems for swing gates

LUX

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	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 250 mm, manoeuvre time 16+rall. 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 2SN UL/CSA	Hydraulic operator 230 V for hinged leaves up to 2 m and 300 kg in weight. Useful travel 250 mm, manoeuvre time 16+rall. 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

Hydraulic automation systems for swing gates

LUX

Code	Name	Description
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 390 mm, manoeuvre time 48 s and maximum opening angle 130 °. Locking system: Solenoid Lock Reversible. Extremely low temperatures. 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

	LUX	LUX SA	LUX WINTER	LUX R	LUX RSN2
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V	230 V
Power consumption	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
Max. weight of door/gate wing	300 kg	300 kg	300 kg	300 kg	300 kg
Useful rod stroke	270 mm	270 mm	270 mm	270 mm	270 mm
Maximum angle	123 °	123 °	123 °	123 °	123 °
Cycle time	17 s	17 s	17 s	17 s	17 s
Type of limit switch	work time	work time	work time	work time	work time
Slowdown	no	no	no	no	no
Locking	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Reversible	Reversible	Reversible	Reversible	Reversible
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	IP57	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-30 ÷ °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	LUX B	LUX BA	LUX 2B	LUX 2B WINTER	LUX 2B UL/CSA 120V
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W

Hydraulic automation systems for swing gates

	LUX B	LUX BA	LUX 2B	LUX 2B WINTER	LUX 2B UL/CSA 120V
Max. width of door/gate wing	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
Useful rod stroke	270 mm	270 mm	270 mm	270 mm	270 mm
Maximum angle	123 °	123 °	123 °	123 °	123 °
Cycle time	17 s	17 s	17 s	17 s	17 s
Type of limit switch	work time	work time	work time	work time	work time
Slowdown	no	no	no	no	no
Locking	Hydraulic closing	Solenoid Lock	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics
Release	Triangle key	Reversible	Triangle key	Triangle key	Triangle key
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	IP57	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-20 ÷ 60 °C	-10 ÷ 60 °C

	LUX R2B	LUX R 2B SN2	LUX FC 2B	LUX R 2B 2SN UL/CSA	LUX FC 2B UL/CSA
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	280 W	250 W	280 W
Max. width of door/gate wing	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
Useful rod stroke	270 mm	250 mm	280 mm	250 mm	280 mm
Maximum angle	123 °	101 °	117 °	101 °	117 °
Cycle time	17 s	16+rall. s	17 s	16+rall. s	17 s
Type of limit switch	work time	work time	work time	work time	work time
Slowdown	no	Yes	no	Yes	no
Locking	Solenoid Lock	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics	Open/close hydraulics
Release	Reversible	Triangle key	Triangle key	Triangle key	Triangle key
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	IP57	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	LUX MB	LUX GV	LUX L	LUX LR	LUX G
Control unit	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Motor voltage	230 V	230 V	230 V	230 V	230 V
Power consumption	250 W	250 W	250 W	250 W	250 W
Max. width of door/gate wing	2,30 m	3,50 m	4 m	4 m	5 m
Max. weight of door/gate wing	300 kg	300 kg	500 kg	500 kg	800 kg
Useful rod stroke	270 mm	270 mm	270 mm	270 mm	390 mm
Maximum angle	123 °	123 °	123 °	123 °	130 °
Cycle time	23 s	17 s	33 s	33 s	48 s
Type of limit switch	work time	work time	work time	work time	work time
Slowdown	no	no	no	no	no
Locking	Hydraulic closing	Solenoid Lock	Solenoid Lock	Solenoid Lock	Solenoid Lock
Release	Triangle key	Reversible	Reversible	Reversible	Reversible

Hydraulic automation systems for swing gates

	LUX MB	LUX GV	LUX L	LUX LR	LUX G
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	IP57	IP57	IP57	IP57	IP57
Environmental conditions	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C	-10 ÷ 60 °C

	LUX G WINTER
Control unit	RIGEL 6
Motor voltage	230 V
Power consumption	250 W
Max. width of door/gate wing	5 m
Max. weight of door/gate wing	800 kg
Useful rod stroke	390 mm
Maximum angle	130 °
Cycle time	48 s
Type of limit switch	work time
Slowdown	no
Locking	Solenoid Lock
Release	Reversible
Impact reaction	Hydraulic clutch
Frequency of use	very intensive
Protection rating	IP57
Environmental conditions	-20 ÷ 60 °C

VITAL ACCESSORIES

new D114092 00002 - **ALCOR AC A**

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

RECOMMENDED ACCESSORIES

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 - COMPLETE**

Adjustable wall bracket, short, for linear swing-gate motors (excluding P4.5-P7), with flat bracket

Hydraulic automation systems for swing gates

RECOMMENDED ACCESSORIES

	new N735003 00001 - **SFR-L B - COMPLETE** Adjustable wall bracket, long, for linear swing-gate motors (excluding P4.5-P7), with flat bracket		D730178 - **PLE** Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and 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		P111782 - **COMPACTA A20-180** Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.
	new D114094 00002 - **RADIUS LED AC A R0** Flashing light without incorporated antenna for motors with 230 V power supply.		new D114093 00002 - **RADIUS LED AC A R1** Flashing light with incorporated antenna for motors with 230 V power supply.

Hydraulic automation systems for swing gates

What is U-Link?

The technology that gives you more power

U-Link, Universal Link, is an exclusive BFT platform that can be used to create high-tech ecosystems.
In Home Access Automation, it can be used to communicate with all home access automation devices of any brand. This saves you time and allows you to control everything easily and without any worries.

It is intuitive
Easy to install and to use

It is scalable
You can add as many devices as you want

It is flexible
It allows you to create groups of interconnected products

It is practical
Works with or without an internet connection

It is functional
Its settings can be controlled remotely using dedicated applications

Hydraulic automation systems for swing gates

Everything on one screen: find out more about this amazing technology

A world-exclusive platform that can be used to create high-tech ecosystems offering a vast range of solutions for many different sectors.

This proprietary platform which is a key feature of BFT products, thanks to the B-EBA cards and the Clonix U-Link receiver, is suitable for any protocol or product for access automation (including BFT products non-BFT ones and older versions) and it can be used in a variety of different sectors. This means any device becomes a smart device which can be interconnected with other systems, using a language that is becoming universal.

U-Control HOME

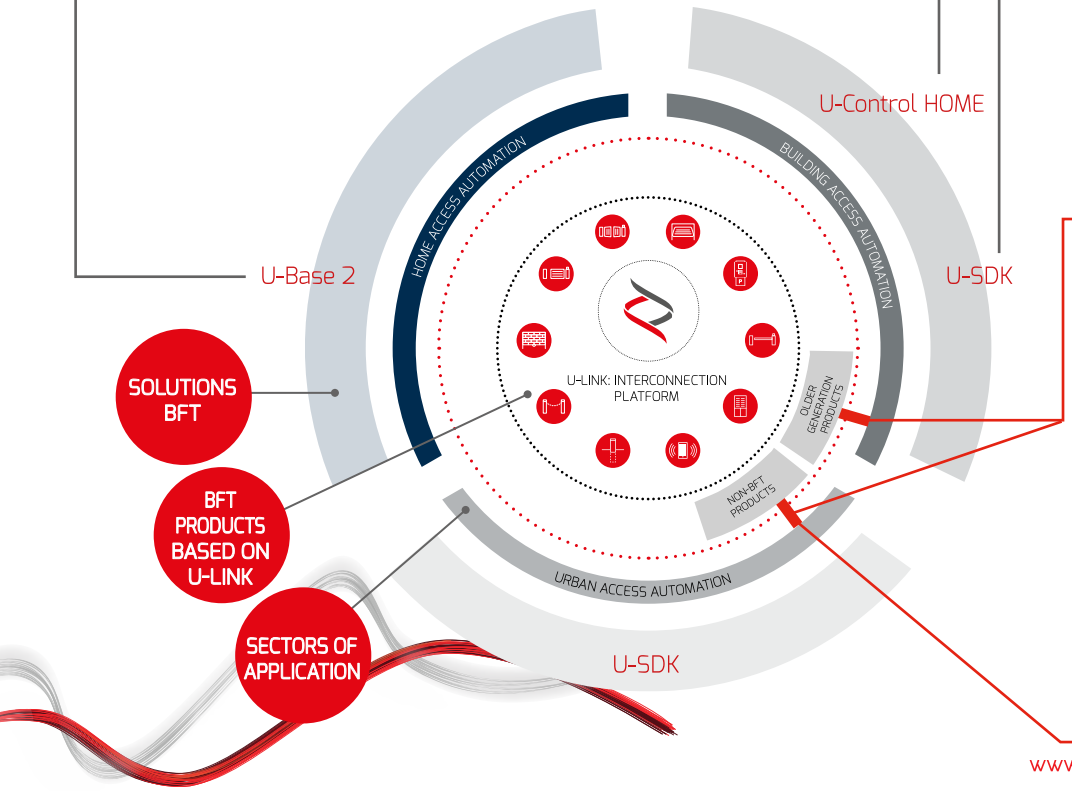
U-Control HOME is the application that allows you to open the gate to your home and to remotely control BFT automations using your own smartphone. The iOS version can be used to automatically open the automation when you are close to it.

U-Base 2

A software package for installation, performing maintenance and identifying any faults in the U-Link compatible operators, easily and conveniently.

U-SDK

U-SDK is the application which allows BFT automations to be made compatible and easily integrated with a BMS network.



Clonix U-Link

Connect non-native U-Link and non-BFT products to U-Link systems.

Is it possible to connect non-native U-Link BFT operators or other brands of products to U-Link? Yes, thanks to the Clonix receivers. Accessories which accept no limits.

B-EBA

A direct link to your operators.

The B-EBA expansion cards make it possible to connect external devices such as PCs, smartphones and tablets to a BFT operator and a Clonix receiver or to connect multiple BFT products in a U-Link network. These accessories integrate with U-Link technology and with Bluetooth, Wifi, Z-Wave and TCP/IP protocols as well as with the RS485 serial interface. A device that demonstrates exactly what BFT means by interconnectivity.

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