

Kit Guide

Electric Gate Systems, Traffic Barriers & Rising Bollards



tuned to you

KIT GUIDE



VIRGO 24v Kit

Electromechanical operator for swing gates, suitable for lightweight residential use

- Locking motors
- 2000 mm max gate leaf width
- 200 kgs max leaf weight
- Operation time to 90° approx 15 seconds
- Max 60 operations per 24 hrs

VIRGO Kit 24v contains:

- | | |
|--|--------------------------|
| - 2 x Virgo 24v motors, | - 2 x Mitto transmitters |
| - One master motor c/w built in control panel and built in receiver, | - 1 x Pair of photocells |
| - One slave motor | - 1 x Antenna |



Igea Kit 230v / Igea BT Kit 24v

Mechanical gate post mounted motor allowing installation on larger pillars

- Locking motors
- 2500 mm max gate leaf width without lock
- 250 kgs max leaf weight
- Operation time to 90° approx 15 seconds
- Max 100 operations per 24 hrs
- 8K2 inputs available on the PCB (24v version only)

Igea Kit 230v contains:

- 2 x Igea 230v motors
- 1 x Control panel with built in receiver
- 2 x Mitto 2 transmitters
- 1 x Pair of photocells
- 1 x Antenna

Igea BT Kit 24v contains:

- 2 x Igea 24v motors
- 1 x Control panel with built in receiver
- 2 x Mitto transmitters
- 1 x Pair of photocells
- 1 x Antenna



Phobos Kit 230v / Phobos BT Kit 24v

Either 230v or 24v low voltage electro-mechanical gate mounted motors suitable for residential use

- 1.8m standard stroke ram
- 3m long stroke ram
- Both locking motors
- Operation time to 90° approx 15 seconds
- Max 60 operations per 24 hrs
- 8K2 inputs available on the PCB (24v versions only)

Phobos Kit 230v contains:

- 2 x Phobos 230v motors
- 1 x Control panel with built in receiver
- 2 x Mitto transmitters
- 1 x Pair of photocells
- 1 x Antenna

Phobos BT Kit 24v contains:

- 2 x Phobos 24v motors
- 1 x Control panel with built in receiver
- 2 x Mitto transmitters
- 1 x Pair of photocells
- 1 x Antenna



ORO Kit

Electro-hydraulic gate mounted motors suitable for residential use

- Locking in closed position
- 1800 mm max gate leaf width
- 180 kgs max leaf weight
- Operation time to 90° approx 15 seconds
- Max 100 operations per 24 hrs

Kit contains:

- | | |
|--|--------------------------|
| - 2 x ORO motors | - 2 x Mitto transmitters |
| - 1 x Control panel with built in receiver | - 1 x Pair of photocells |
| | - 1 x Antenna |

KIT GUIDE



LUX 2B Kit

Heavy duty hydraulic motors with locking in open & closed positions

- 2000 mm max gate leaf width
- 300 kgs max leaf weight
- Operation time to 90° approx 15 seconds
- Max 500 operations per 24 hrs

Kit contains:

- | | |
|--|--------------------------|
| - 2 x Lux 2B rams | - 2 x Mitto transmitters |
| - 1 x Control panel with built in receiver | - 1 x Pair of photocells |
| | - 1 x Antenna |



LUX FC2B Kit

Very popular hydraulic motors with locking in open & closed positions

- Desired by many installers on fully boarded gates
- Closed stop not necessary (but always recommended)
- Locking up to 2m per gate leaf
- Operation time to 90° approx 15 seconds
- Max 500 operations per 24 hrs

Kit contains:

- | | |
|--|--------------------------|
| - 2 x Lux FC2B rams | - 2 x Mitto transmitters |
| - 1 x Control panel with built in receiver | - 1 x Pair of photocells |
| | - 1 x Antenna |



LUX BT 2B Kit

Heavy duty hydraulic ram with all the benefits of 24v

- Selectable locking or non-locking in either direction - your choice!
- Excellent safety feature - stops and reverses on detecting an obstacle
- New panel with LCD display in a large enclosure
- Slowdown in both directions
- Locking up to 2m per gate leaf
- Low cost battery back-up available
- 8K2 inputs available on the PCB

Kit contains:

- | | |
|--|--------------------------|
| - 2 x Lux BT 2B rams | - 2 x Mitto transmitters |
| - 1 x Control panel with built in receiver | - 1 x Pair of photocells |
| | - 1 x Antenna |



LUX G BT 2B Kit

A long stroke version of the LUX BT 24v Hydraulic Ram

- Selectable locking or non-locking in either direction - you choose!
- Excellent safety feature - stops and reverses on detecting an obstacle
- New panel with LCD display in a large enclosure
- Slowdown in both directions
- Locking up to 3m per gate leaf
- Suitable for 5m gate leaves - lock required
- Low cost battery back-up available
- 8K2 inputs available on the PCB

Kit contains:

- | | |
|--|--------------------------|
| - 2 x Lux G BT 2B rams | - 2 x Mitto transmitters |
| - 1 x Control panel with built in receiver | - 1 x Pair of photocells |
| | - 1 x Antenna |

Kit contains:



BFT photocells



Each kit contains an advanced L.C.D. screened multi function control panel housed in an externally IP rated enclosure.



Antenna



Mitto transmitters

KIT GUIDE



LUX GVS/GV 2B Kit

Heavy duty locking and non-locking hydraulic motors for large, wind affected gates

- 3500 mm max gate leaf width
- 300 kgs max leaf weight
- Operation time to 90° approx 28 seconds
- Max 500 operations per 24 hrs
- Self locking in both directions on the GV 2B model
- Electric lock require on GVS model

Kit contains:

- | | |
|--|--------------------------|
| - 2 x Lux rams | - 2 x Mitto transmitters |
| - 1 x Control panel with built in receiver | - 1 x Pair of photocells |
| | - 1 x Antenna |



P4.5 Kit / P7 Kit

Heavy duty hydraulic motors for commercial and industrial use.

- P4.5 - 4500 mm max gate leaf width
- P7 - 7000 mm max gate leaf width
- 500 kgs max leaf weight
- P4.5 Operation time to 90° approx 30 sec
- P7 Operation time to 90° approx 42 sec
- Max 500 operations per 24 hrs
- Electric lock required
- Slow down on closing phase

P4.5 Kit contains:

- 2 x P4.5 motors
- 1 x Control panel with built in receiver
- 2 x Mitto transmitters
- 1 x Pair of photocells
- 1 x Antenna

P7 Kit contains:

- 2 x P7 motors
- 1 x Control panel with built in receiver
- 2 x Mitto transmitters
- 1 x Pair of photocells
- 1 x Antenna



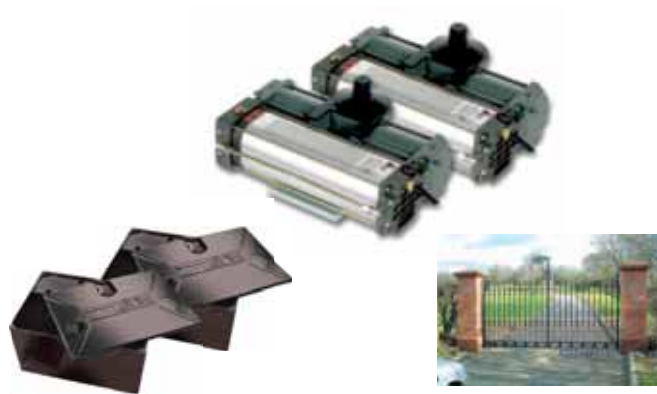
ELI 250v Fast/ELI 250/ELI 250 BT 24v

Mechanical underground motors suitable for domestic applications

- Locking motors
- ELI 250v Fast 2m max gate leaf
- ELI 250 Standard 3.5m max gate leaf width
- Operation time to 90° approx 12 seconds for ELI 250v & ELI 250 BT
- Operation time to 90° approx 20 seconds for ELI 250 Standard
- 24v version available with all the benefits of 24v systems
- 180° opening available on ELI 250 only - conversion kit required
- 8K2 inputs available on the PCB (24v versions only)

Kit contains:

- | | |
|--|-------------------------------|
| - 2 x ELI 250 motors | - 2 x Mitto transmitters |
| - 2 x Foundation boxes | - 1 x Pair of photocells |
| - 1 x Control panel with built-in receiver | - 1 x Antenna |
| | - 2 x Manual release locks |
| | - 2 x Internal stops included |



SUB 230v Kit/SUB BT 24v Kit

Heavy duty hydraulic underground motors suitable for domestic, multi user & commercial applications

- A variety of locking and non-locking motors available
- Can automate gate leaves up to 3.5m per leaf
- Fast operation on some motors (SUB R and SUB BT)
- 180° versions available on 230v
- 800kg per leaf
- Intensive Use
- 8K2 inputs available on the PCB (24v versions only)

Kit contains:

- | | |
|--|--|
| - 2 x SUB motors | - 2 x Mitto transmitters |
| - 2 x Heavy duty foundation boxes | - 1 x Pair of photocells |
| - 1 x Control panel with built in receiver | - 1 x Antenna |
| | - 2 x Manual release locks (SUB BT only) |

KIT GUIDE



Deimos BT 400/600 Sliding Gate Kit

A 400kg and 600kg sliding gate motor suitable for residential use

- New, updated design
- Quick opening/closing time
- Slowdown in both directions
- Stop and Reverse feature
- 8K2 input on the pcb for safety edges

Kit contains:

- | | |
|---|--|
| - 1 x Deimos BT sliding gate motor | - 1 x Pair of photocells |
| - 1 x Internal control panel with built in receiver | - 1 x Antenna |
| - 2 x Mitto transmitters | - 4 m toothed rack of your choice (steel or nylon) |



Ares 1000kg & 1500kg 24v Sliding Gate Kits

24v sliding gate motor suitable for residential and light commercial usage

- First BFT Slider to have adjustable running speed
- 1000kg or 1500kg motors available - both spring versions and proxy versions available
- Excellent safety feature - stops and reverses on detecting an obstacle
- Slowdown in both directions
- Pedestrian opening command (part opening)

Kit contains:

- | | |
|---|--|
| - 1 x Ares sliding gate motor | - 1 x Pair of photocells |
| - 1 x Internal control panel with built in receiver | - 1 x Antenna |
| - 2 x Mitto transmitters | - 4 m toothed rack of your choice (steel or nylon) |



Icaro 230v Sliding Gate Kit

Mechanical sliding gate motor suitable for domestic, multi user and industrial applications

- The most popular sliding gate motor we sell
- 2000kg maximum gate weight
- 100% duty cycle
- Built in fan for cooling the motor
- Oil bathed motor
- 8K2 inputs available on the PCB

Kit contains:

- | | |
|---|--|
| - 1 x ICARO motor | - 1 x Pair of photocells |
| - 1 x Internal control panel with built in receiver | - 1 x Antenna |
| - 2 x Mitto transmitters | - 4 m toothed rack of your choice (steel or nylon) |



SP3500/OBERON (New)

Very heavy duty sliding gate motors suitable for multi user and industrial applications

- SP3500 400v 3 Phase motor
- 3.5 tonne maximum gate weight
- OBERON - new sliding gate motor from BFT
- Inverter technology - 230v Power In, 3 Phase motor
- Maximum gate weight of 2000kgs
- Rapid operation of 39m per min

Not available in kit format.

PRODUCT GUIDE



Twin

TWIN Electromechanical Chain Barrier

- 24v automatic chain barrier
- Suitable for openings up to 16m
- Available with or without Red/Green light kit
- Thicker chain for up to 10m opening
- Surface or Flush ground track available



Ranch B - C

Ranch B-C Fixed Bollards

- Ranch B - 500mm or 700mm tall x 220mm dia
- Ranch C - 600mm or 800mm tall x 275mm dia
- All models available in Stainless Steel
- All models available with a Light Crown



Dampy B

Dampy B Manual Gas Bollards

- 500mm x 115mm dia
- 500mm x 220mm dia
- 700mm x 220mm dia
- All models available in Stainless Steel
- The 220mm dia bollards are available with a Light Crown



Stoppy B

Stoppy B Electromechanical Bollards

- 500mm x 115mm dia
- 700mm x 200mm dia
- All models available in Stainless Steel
- The 500mm version does not have a Light Crown
- The 700mm version comes with a Light Crown as standard

PRODUCT GUIDE



Stopy MBB

Stopy MBB Electromechanical Bollards

- 500mm or 700mm x 220mm dia
- All models available in Stainless Steel
- All models come with a Light Crown as standard
- Higher duty cycle than the Stopy B



Pillar B

Pillar B Self Contained Hydraulic Bollards

- 600mm or 800mm high
- All models 275mm dia
- All models available in Stainless Steel
- All models come with a Light Crown as standard
- Fail secure version available (if power goes bollard will remain up)



X Pass B 800

X Pass B Crash Rated Bollard

- Self contained, Hydraulic Bollard
- 800mm high x 275mm dia
- Available in Stainless Steel
- Light Crown as standard
- Matching Fixed Bollard option available (RANCH D)
- Certified to international standards:-
ASTM2656:2007 M30 - PAS68:2010 7500/50/N2



X Pass B 1200

X Pass B Crash Tested Bollard

- Self contained, Hydraulic Bollard
- 1200mm high x 330mm dia
- Available in Stainless Steel
- Light Crown as standard
- Certified to international standards:-
IWA14-1:2013 V/7200(N3C)/80/90
(equivalent PAS68:2010 7500/80/N3, ASTM2656:2007 M50)

PRODUCT GUIDE



Giotto

An electro mechanical barrier for moderate to heavy traffic

- Direct replacement for the Moovi
- 3m, 5m and 6m versions - standard and fast models available
- Stop and Reverse feature
- Slowdown as standard
- Boom lighting kit available

Complete with:

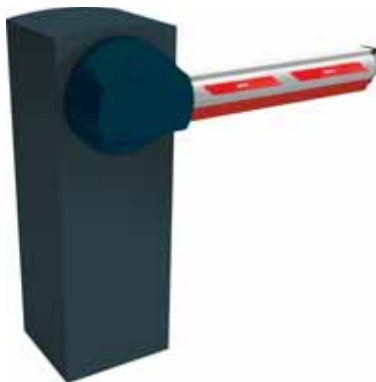
- Prewired control panel
- Aluminium boom
- Fixed rest or swinging leg - your choice



Michelangelo

A very popular intensive use 24v Barrier

- 3 versions available - 4m, 6m or 8m
- Rapid movement - 1m per second
- Excellent safety feature - stops and reverses on detecting an obstacle
- Fan cooled control panel mounted under hinged lid
- Boom lighting kit available



Maxima

Heavy Duty electro mechanical traffic barriers

- Solid, high quality build
- Designed for intensive use
- A variety of models available from 1.7m to 8m
- Stainless Steel available
- Lower skirt and articulation available



Maxima Ultra

Very heavy duty electro mechanical traffic barriers

- 3 Phase Induction motor for very intensive and long term use (230v power in)
- Solid, high quality build
- A variety of models available from 1.7m to 8m
- Red/Green light kits available
- Stainless steel available
- Lower skirt and articulation available

PRODUCT GUIDE



VISTA SL

Vista SL Robust Sliding Door Unit

- A variety of sizes available for single or twin door leaves
- Maximum door leaf weight of 150kg on a single door
- Maximum door leaf weight of 120kg per door on twin doors
- Continuous operation cycle
- EN16005 Compliant



VISTA SLC

Vista SLC Compact Sliding Door unit

- A more compact unit with an 80mm cover height
- A variety of sizes available for single or twin door leaves
- Maximum door leaf weight of 100kg on a single door
- Maximum door leaf weight of 80kg per door on twin doors
- Continuous operation cycle
- EN16005 Compliant



VISTA SW

Vista SW Pedestrian Swing Door motor

- Choose from a spring or non-sprung motor
- Maximum door leaf weight of 250kg
- Continuous operation cycle
- EN16005 Compliant



VISTA TL

Vista TL Telescopic Sliding Door unit

- Suitable for very limited spaces
- Minimum opening width 800mm
- Maximum opening width 4400mm
- Maximum door leaf weight of 120kg per leaf
- Continuous operation cycle
- EN16005 Compliant

PRODUCT GUIDE



Espas 10

A range of standalone entry and exit columns that can control automatic road barriers

- Simple and cost effective vehicle barrier access control
- Four models available - £1, £2, token and multi-coin designed for semi-supervised environments
- Easy to install, simple to manage and administer



Espas 20

Standalone parking revenue system using 2 barcode tickets

- Simple to install - no network cables required, just supply mains power
- Entry column producing a unique 2D barcode ticket with encrypted date and time
- Payments made using an easy to use desk top validator and/or a fully automatic pay station
- Highly flexible system that can be expanded quickly as requirements change

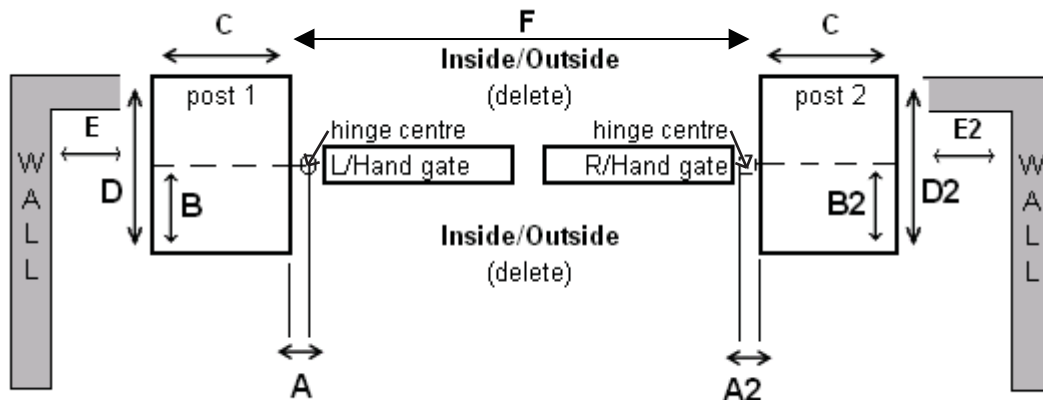


Espas 30

A high function, modular networked parking revenue system with a wide range of optional capabilities

- Operating as a server based RS 485 and TCP/IP networking environment
- Capable of managing multiple entry and exit points, and multi-site applications
- Highly functional but simple to use management software that produces a wide array of management reports
- Expansive optional capabilities include ANPR, EHF tag reading, space management systems, access control, etc

SURVEY FORM



Post 1:	A	B	C	D	E	F
Post 2:	A2	B2	C2	D2	E2	

(A = distance from hinge centre to inside of post, B = distance from hinge centre to rear of post, C = Width of post, D = Depth of post, E = distance between outer side of post and wall/boundary fence if applicable, F = distance between posts)

TICK WHERE APPROPRIATE:



NEW INSTALLATION	<input type="checkbox"/>
EXISTING GATES	<input type="checkbox"/>

SINGLE GATE	<input type="checkbox"/>
PAIR OF GATES	<input type="checkbox"/>

Preference:

UNDERGROUND	<input type="checkbox"/>
ABOVE GROUND	<input type="checkbox"/>

Application Type:

DOMESTIC	<input type="checkbox"/>
COMMERCIAL	<input type="checkbox"/>

Is the driveway:

LEVEL	<input type="checkbox"/>
INCLINED	<input type="checkbox"/>

Are there gate stops in the open & closed position?:

OPEN	<input type="checkbox"/>
CLOSED	<input type="checkbox"/>
	<input type="checkbox"/>

Gate Construction/Style	select
FULLY BOARDED WOODEN	<input type="checkbox"/>
WOODEN/SEMI BOARDED	<input type="checkbox"/>
5 BAR FARM GATE STYLE	<input type="checkbox"/>
WROUGHT IRON	<input type="checkbox"/>
PALISADE	<input type="checkbox"/>
OTHER:	<input type="text"/>

Post Construction: _____

Gate Height: _____

Approx Gate Weight: _____

Estimated number of operations per day: _____

Location of nearest mains power to gate: _____

Your ref: (i.e. Smith Farm): _____

Your Company: _____

Contact Name: _____

Telephone: _____

PLEASE FAX TO THE NUMBER OVERLEAF

Your One Stop Shop

BFT also provide a wide range of accessories to complement all of the products on offer, essentially offering our customers the convenience of a one stop shop.

Garage Door Operators



Gate Hardware



Intercoms



Loop Detectors



Locks



Safety Edges



Bft Automation UK Ltd (North)
Unit 8E, Newby Road Industrial Est
Hazel Grove, Stockport, Cheshire,
SK7 5DA
T 0161 456 0456
F 0161 456 9090
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Bft Automation UK Ltd (South)
Unit B Aerial Business Park
Membury, Berkshire,
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F 01488 674 790
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Old Naas Road
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