

GATE AUTOMATION

Automation systems for
swing & sliding gates





About BFT

Established in 1981 in Thiene, Italy, BFT built its strength on a simple but powerful idea: listen to customers, respond with quality and support, and never compromise on reliability. In 2004 BFT became part of the SOMFY Group, a multinational and world leader in the field of automation. Since then, BFT Automation has grown into a global brand, supported by more than four decades' experience in the automation industry. At BFT Automation, excellence is a tradition we uphold with every solution we build and every service we provide.

Locations & Coverage

We support customers across the UK and Ireland from three key locations: in Stockport, Swindon and Dublin. Our Stockport site is home to a 19,000 sq ft UK distribution centre and trade counter from which we supply customers across the UK, whilst a second warehouse in Dublin covers distribution in Ireland. These warehouses ensure stock availability, fast dispatch and easy access to the products you need. With these three locations working together, we can deliver nationwide coverage and support.

Customer Support & After-Sales

As a leading manufacturer and distributor of automation technology, we've built a reputation for outstanding customer service and industry-leading technical support. Our products are known for being robust, reliable, and crafted to the highest standards. We can advise you throughout the process, from motor selection to configuration and set-up, we're here to guide you every step of the way – with after-sales support and our dedicated warranty.

Technical Support

BFT prides itself on expert technical support. Our dedicated technical team is available to guide you on product installation, fault-finding, system optimisation and compatibility with other systems. Whether you're working on a domestic gate motor, a commercial barrier or a more complex project - we are ready to provide the right level of specialist advice so you can deliver confidently.

Training & Skills Development

We know that technology moves quickly - and delivering a safe, high-quality installation relies on having up-to-date skills. That's why the BFT Training Academy provides a structured programme of courses at our offices. From gate motors to specialist solutions such as anti-terrorism bollards, our training helps your team deepen their expertise, stay current with industry standards and work with confidence. Every course is tailored to your level of experience and learning needs, with a strong focus on hands-on practice. This approach ensures that each engineer leaves with practical knowledge they can apply on site.

Warranty & Peace of Mind

All BFT products come with a manufacturer-backed warranty, reinforcing our promise of lasting performance and reliability. With over 40 years in the automation industry, dedicated support teams, advanced training and a trusted warranty.

BFT is more than a supplier. We are your automation partner, helping you deliver reliable and future-proof gate automation solutions for residential, commercial and urban projects.





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BFT technologies & protocols

Our unique and secure technologies/protocols guarantees consistent peak performance, positioning BFT automation systems as the embodiment of innovation, quality, and reliability.



U-Link



U-Link

U-Link & U-Link 2.0 is a communication protocol, offering secure data protection, scalability, and compatibility with various communication standards. 2.0 now supports bi-directional communication, OTA firmware updates, and remote or local management via a dedicated app, enhancing flexibility and user experience.



U-Security

U-Security enhances remote control security with encrypted rolling code transmission and qr code-based programming. Combining the features of the Er-Ready system, it prevents cloning by third-party devices and simplifies remote control setup via a dedicated app.



ER Ready

The **er-ready** system uses microprocessor technology to securely clone Mitto remote controls by transmitting the code from one device to another. The receiver automatically stores the code on first use, with the entire process protected by secure Rolling Code transmission.



d-Track

D-Track (dynamic path tracking) is BFT's intelligent torque management system that continuously adjusts motor thrust based on real-time data. Unlike systems with fixed force levels, D-Track ensures optimal performance and safety by adapting to factors like temperature changes or mechanical wear, helping installers meet legal certification standards.



EE Link

The **EELINK** programming system enables quick and secure data transfer between control units and PCs using handheld devices like Unipro, Uniradio, and Proxima. It keeps installation records up to date and simplifies tasks like system setup, maintenance tracking, and customer data management, making even complex operations easy and efficient.



Fast

Fast speed gate operators offer faster access and reduced wait times, improving convenience and traffic flow, especially in high-use areas. Despite its increased speed, the system maintains full safety standards to ensure safe stopping and obstacle detection at all times.



Encoder

The **Encoder** is a contactless high-resolution device for detecting obstacles. It ensures rapid reversing of motion and improves smoothness of overall movement during acceleration and slowdown



Oil Gear

The **Oil Gear** device is included in a specific range of BFT products, offering great durability in being maintenance free. It ensures quiet operation and irreversibility of movement.



24v

BFT's **24V** technology delivers precise, efficient performance with smooth precise adjustment of slowdown during opening and closing. It also enhances safety by instantly stopping and reversing motion when obstacles are detected, ensuring reliable and dependable operation.



230v

BFT's **230V** technology delivers precise, efficient performance combined with the required power for more demanding applications.



tri

A **Three-Phase** motor, included in a specific range of BFT products for intensive operation of larger size/weight gates and offers extreme reliability.



inverter

Inverter allowing for Three-Phase motor performance at sites where a 230V supply is only available. Offers intensive operation of larger size/weight gates powered from a standard mains 230V supply.

Electromechanical automation systems for swing gates

Selection Guide

MAX GATE WIDTH	MAX GATE WEIGHT	MAXIMUM ANGLE	MOTOR VOLTAGE	FREQUENCY OF USE	MODEL	FEATURES
ELECTROMECHANICAL ARTICULATED ARM OPERATORS FOR SWING GATES						
1.2M	80kg	130°	24V	Very-Intensive	E5 BT A12	Absolute encoder limit switch
1.8M	100kg				E5 BT A18	Absolute encoder limit switch
2M	200kg	120°		Semi-Intensive	VIRGO SMART BT B20	Electromechanical limit switch
					VIRGO SMART BT B20 SLAVE	Electromechanical limit switch
2.5M	250kg	125°	230V	Intensive	IGEA BT	Electromechanical limit switch
					IGEA	Electromechanical limit switch
ELECTROMECHANICAL OPERATED SWING GATES						
2.5M	400kg	119°	230V	Semi-Intensive	PHOBOS AC B25	Working time limit switch
3M	400kg	119°	24V	Intensive	PHOBOS BT B25	Magnetic limits at the top
		119°			KUSTOS BT B25	Covered worm screw + magnetic limit switch
	450kg	130°			PHOBOS BT B35 VELOCE	Quick operating speed
4M	700kg	124°	24V	Intensive	KUSTOS BT B40	Covered worm screw + magnetic limit switch
		130°			PHOBOS BT B40	Magnetic limits at the top
5M	500kg	130°	230V	Semi-Intensive	PHOBOS AC B50	Working time limit switch
ELECTROMECHANICAL INGROUND OPERATORS FOR SWING GATES						
3.5M	500kg	120°	24V	Intensive	ELI VELOCE BT A35	Relative encoder limit switches
			230V		ELI VELOCE AC A35	Magnetic limit switches - optional
4M	700kg		24V	Continuous	ELI BT A40	Relative encoder limit switches
			230V	Intensive	ELI AC A40	Magnetic limit switches - optional

The above guide indicates maximum gate width & weight values.

The width of the gate leaf may determine a lower weight compared to the max value.

Example:

Max width: 2.5M + Max weight: 250kg

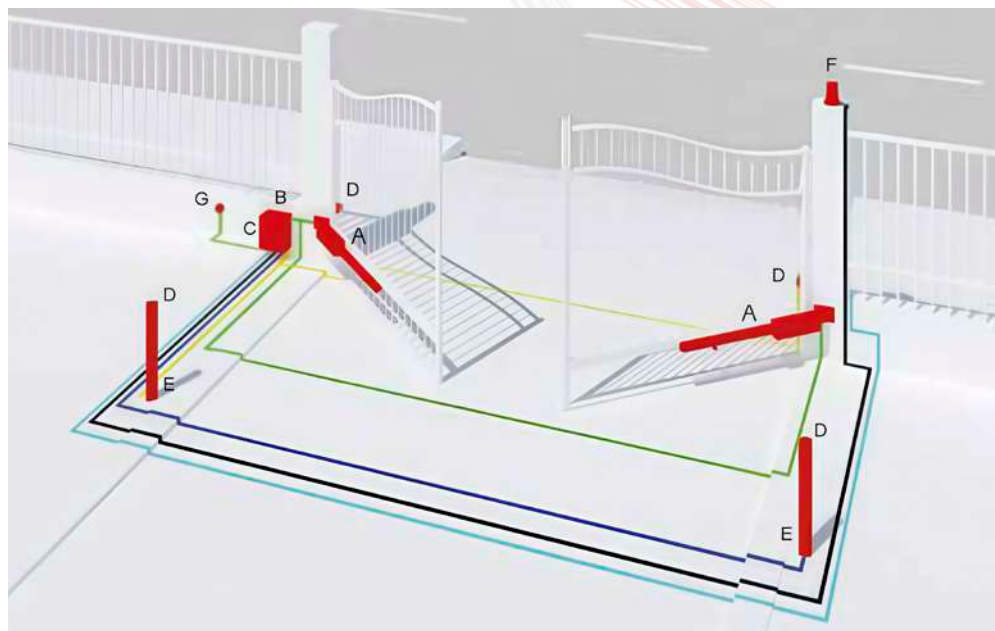
@ 2.5M width, the operator may only drive 200kg

@ 250kg weight, the operator may only drive a gate width of 2M

Gate operators may require a lock installed to operate at the maximum weight value.

Refer to the specific operator selection guide to verify the correct gate width and weight specifications.

Installation Guide



- A Gate Operator
- B Control Panel
- C Battery Backup
- D Photocell
- E Photocells Post
- F Flashing Light with Antenna
- G Junction Box (mains power)

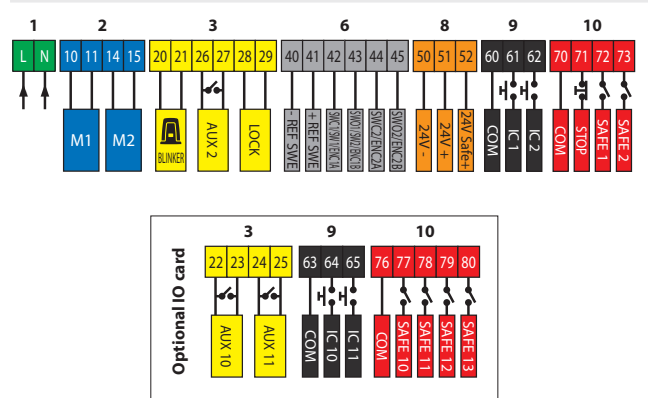
- 2 x 1.5mm²
- 3 x 1.5mm²
- RG 58 Coaxial Cable
- 5 x 1.0mm²
- 2 x 1.0mm²

Control Panel Specification For Electromechanical Operators

24V Operators - Thalia BT A160

BASIC FEATURES	
Panel power supply	230V
Motor power supply	24V
Accessories power supply	24V DC 500MA
Stand-by power consumption	< 0.5 W
Maximum power output	400 + 400 W
Max. # of remote controls	128
Programming	DISPLAY
SAFETY INPUTS	
Photocell	✓
Safety edge	✓
Resistive edge	✓
Self-test photocell	✓
Self-test safety edge	✓
Stop	✓
CONTROL INPUTS	
Start	✓
Open	✓
Open with timer	✓
Close	✓
Pedestrian open	✓
Pedestrian open with timer	✓
Traffic-light control	✓
OUTPUTS	
Flashing light	24VDC 1A
Configurable AUX 1	24VDC 1A
Electric lock	12-24VDC MAGLOCK 15W, CATCH LOCK 30W
Courtesy light	✓
OUTPUTS CONFIGURATION	
Courtesy light	✓
Zone light	✓
Stairs light	✓
Flashing light	✓
Electric release lock	✓
Electric magnetic lock	✓
Gate status	✓
Gate open warning light	✓
Gate open alarm	✓
Maintenance	✓
Flashing + maintenance	✓

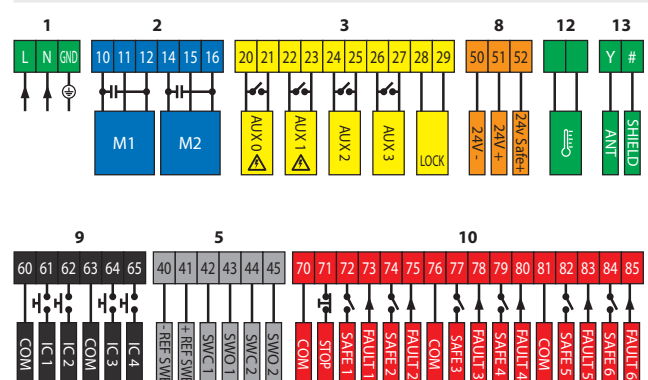
Thalia BT A160



230V Operators - Rigel 6

BASIC FEATURES	
Panel power supply	230V
Motor power supply	230V
Accessories power supply	24V - 1A
Maximum power output	750W
Max. # of remote controls	63
Programming	DISPLAY
SAFETY INPUTS	
Photocell	✓
Safety edge	✓
Resistive edge	✓
Self-test photocell	✓
Self-test safety edge	✓
Stop	✓
CONTROL INPUTS	
Start	✓
Open	✓
Open with timer	✓
Close	✓
Pedestrian open	✓
Pedestrian open with timer	✓
Traffic-light control	✓
OUTPUTS	
Flashing light	230V - 80W
Configurable AUX 1	✓
Configurable AUX 2	✓
Configurable AUX 3	✓
Solenoid lock	12VDC
OUTPUTS CONFIGURATION	
Courtesy light	✓
Zone light	✓
Stairs light	✓
Flashing light	✓
Electric release lock	✓
Electric magnetic lock	✓
Gate status	✓
Gate open warning light	✓
Gate open alarm	✓
Bistable radio channel	✓
Time delay radio channel	✓
Maintenance	✓
Flashing + maintenance	✓

Rigel 6





E5 BT A

Compact electromechanical automation for swing gates



Scan the QR code to view the operator quick guide.



24v



d-Track



U-Link



ER Ready

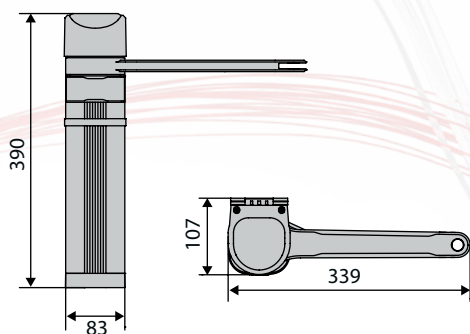


EE Link



- Very quick cycle time (6.5s for A12 operator)
- Suitable for mounting on narrow pillars (max width 8cm)
- Requires articulated/slide arm and electric lock

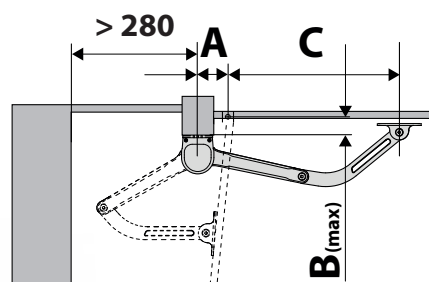
Dimensions



Product Information

24V non-locking electromechanical operator for swing gate applications. The compact size of the E5 operator allows for installation on narrow pillars (minimum width required 8cm). The optional slide arm accessory provides a solution where walls and obstacles are close to the operator position. The limit switch function is regulated by the absolute encoder. E5 operators incorporate BFT's d-Track system ensuring accurate force is applied through the complete gate cycle for optimum safety.

Installation Dimensions



E5 BT A 12-18

		A							
		120	140	150	160	170	180	190	200
B	30	125°	130°	134°	134°	137°	139°	141°	142°
	40	122°	128°	130°	133°	135°	137°	139°	140°
	50	120°	126°	128°	131°	133°	135°	136°	138°
	60	118°	124°	125°	130°	131°	133°	134°	136°
	70	116°	122°	124°	128°	129°	131°	132°	134°
	80	114°	120°	123°	127°	128°	129°	130°	132°
	90	113°	118°	122°	125°	126°	127°	128°	130°
	100	112°	117°	120°	124°	124°	125°	127°	128°
	110	110°	116°	119°	122°	122°	123°	125°	126°
	120	109°	114°	118°	121°	121°	121°	123°	124°
	130	108°	113°	115°	119°	119°	120°	121°	122°
	140	107°	112°	115°	118°	117°	118°	119°	120°
	150	107°	111°	114°	116°	116°	116°	117°	118°
	160	106°	110°	113°	115°	114°	114°	116°	117°
	170	105°	109°	112°	114°	112°	113°	114°	115°
	180	104°	109°	110°	112°	111°	111°	112°	113°
	190	104°	108°	110°	111°	109°	109°	110°	111°
	200	103°	107°	107°	110°	108°	108°	109°	110°

Technical Specification

	E5 BT A12	E5 BT A18
Control panel	THALIA BT A160	THALIA BT A160
Control panel supply voltage	230V	230V
Motor voltage	24V	24V
Power consumption	100W	100W
Max. gate width	1.2M	1.8M
Max gate weight	80kg	100kg
Cycle time	6.5s	14s
Limit switch type	Absolute encoder	Absolute encoder
Locking	No	No
Obstacle detection	d-Track	d-Track
Frequency of use	Very Intensive	Semi Intensive
Max. cycles per hour	100	20
Protection rating	IP44	IP44
Operating temperature	-20 to 55 °C	-20 to 55 °C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
E5 BT A12	P930027 00003	2601403	Non-locking compact electromechanical operator that can be installed on narrow pillars (min 80mm wide). Suitable for gates up to 1.2m wide and up to 80kg in weight. Quick cycle time of 6.5s with BFT's D-track system ensuring safe operation.
E5 BT A18	P930027 00001	2601404	Non-locking compact electromechanical operator that can be installed on narrow pillars (min 80mm wide). Suitable for gates up to 1.8m wide and up to 100kg in weight. Incorporates BFT's d-Track system ensuring safe operation.

THALIA BT A160

Control panel with elevated control board and display for one or two 24V operators for swing gates.

CP D114238 00002 - CI 2618163 - Thalia BT A160



- Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Expansion card for Extra AUX, Commands & Safety are standard in this new panel
- Elevated control board for easier installation

Vital Accessories



CP N734921 - CI 2601405
LBA

Articulated arm.



CP N735058 - CI 2601407
LS18

Long slide lever for E5 BT A18.



CP N735057 - CI 2601406
LS12

Short pedestrian slide lever for E5 BT A12.

Recommended Accessories



CP P125053 - CI 2614987
BBT BAT CBOX FLAT

Thalia BT A control panel battery back-up unit.



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00003 - CI 2607539
RADIUS LED BT A R1

Orange flashing warning light with integral antenna - 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P123032 00003 - CI 2613518
EBP BT A 24V

24V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



VIRGO SMART BT B20

Electromechanical automation for swing gates



Scan the QR code to view the operator quick guide.

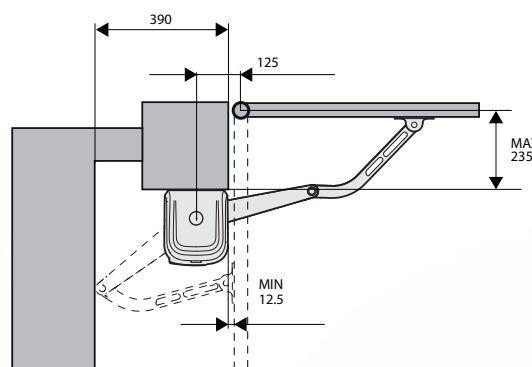


- Master operator has an integrated Thalia BT A80 control panel for easier installation
- Option for projects with limited lateral space or large pillars
- Max gate width of 2.3M a with a weight of 180kg

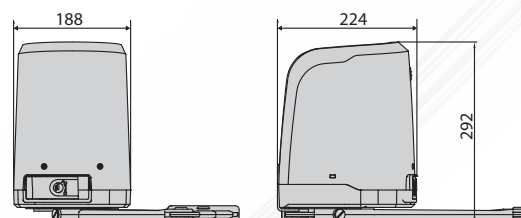
Product Information

The Virgo Smart BT B20 is a 24v gate operator suitable for a range of different environments with integral control panel for easier installation. It is possible to install on pillars up to 235mm wide or with limited lateral space, using the articulated or sliding arm. The integrated Thalia BT A80 control panel is mounted in a raised position for easier programming with a wide range of programmable features available for a customised installation.

Installation Dimensions



Dimensions



Technical Specification

	VIRGO BT B20	VIRGO BT B20 SLAVE
Control panel	THALIA BT A80 (integrated in master)	N/A
Control panel supply voltage	230V	N/A
Motor voltage	24V	24V
Power consumption	110W	40W
Max. gate width/weight without a lock	2M/200kg	2M/200kg
Max. gate width/weight with a lock	2.3M/180kg	2.3M/180kg
Max gate weight	200kg	200kg
Cycle time	14s	14s
Limit switch type	Electromechanical	Electromechanical
Locking	Yes	Yes
Obstacle detection	d-Track	d-Track
Frequency of use	Intensive	Intensive
Max. cycles per hour	30	30
Protection rating	IP44	IP44
Operating temperature	-20 to 55 °C	-20 to 55 °C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
VIRGO BT B20	P930135 00002	2618095	A locking 24V electro-mechanical operator for swing gates weighing up to 200kg or up to 2M long, with integrated control unit. The limit switch is electromechanical.
VIRGO BT B20 SLAVE	P930136 00002	2618097	Slave operator for the Virgo BT B20 locking 24V electro-mechanical operator for swing gates weighing up to 200kg or up to 2M long. The limit switch is electromechanical.

THALIA BT A80 (integrated)

Integrated Thalia BT A80 control panel for Virgo BT B20 24V operator for swing gates.



- Control panel with LCD display for single or dual 24v Virgo BT B20 electromechanical swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Slowdown during opening and closing and electronic self-learning
- Colour coded removable terminal blocks with simplified scenario-based programming with display

Vital Accessories



**CP N728052 - CI 2601369
LAS**

VIRGO BT B slide lever.



**CP N999735 - CI 2601368
AAP**

VIRGO BT B misalignent accessory.



**CP N998600 - CI 2601370
AMV**

Virgo Smart BT B20 mechanical stop kit.

Recommended Accessories



**CP P125053 - CI 2614987
BBT BAT CBOX FLAT**

Thalia BT A control panel battery back-up unit.



**CP P111782 - CI 2601411
COMPACTA A20-180**

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



**CP D112306 - CI 2614118
MITTO COOL C2**

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP D113674 00001 - CI 2600578
CLONIX 2E**

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



**CP D114093 00003 - CI 2607539
RADIUS LED BT A R1**

Orange flashing warning light with integral antenna - 24V power supply.



**CP D113632 - CI 2600151
AEL 433**

Antenna to improve radio reception range with 4m cable.



**CP P111536 - CI 2600813
AKTA A30**

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



**CP D112318 - CI 2614120
MITTO COOL C4**

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP P123032 00003 - CI 2613518
EBP BT A 24V**

24V vertical electric lock.



**CP P123025 - CI 2600837
BLTA B 00 R02**

Wall mounting bracket for the Radius flashing light.



IGEA BT

Electromechanical automation for swing gates



Scan the QR code to view the operator quick guide.



24v



d-Track



U-Link



ER Ready



EE Link



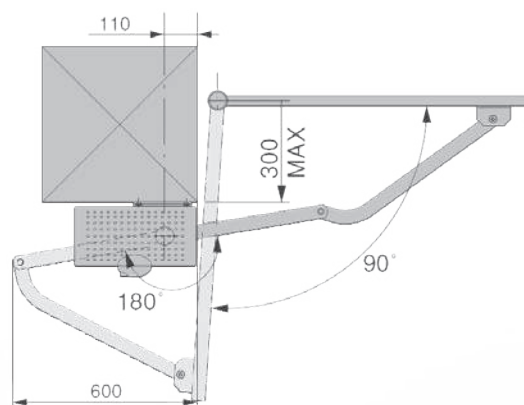
→ Solution for projects that have large pillars

→ Opening angle up to 125°

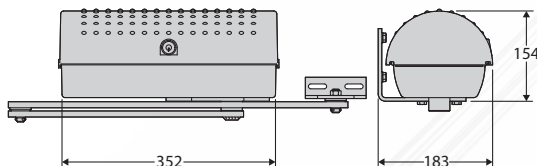
Product Information

24V electromechanical operator with articulated arm for residential use, for swing gates up to 2.5M and 250 kg. Ideal for installation on large-size pillars due to its articulated levers that allow opening up to 125°.

Installation Dimensions



Dimensions



Technical Specification

	IGEA BT
Control panel	THALIA BT A80
Control panel supply voltage	230V
Motor voltage	24V
Power consumption	70W
Max. gate width/weight	2.5M/200kg
Max. gate weight/width	250kg/2M
Maximum angle	125°
Cycle time	15s
Limit switch type	Electromechanical
Slowdown	Yes
Locking	Yes
Obstacle detection	d-Track
Frequency of use	Intensive
Max. cycles per hour	100
Protection rating	IP44
Operating temperature	-15 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
IGEA BT	P935070 00002	2600414	A locking 24V electromechanical operator for swing gates weighing up to 250kg or up to 2.5M long. The limit switch is electromechanical.

THALIA BT A160 Control panel with elevated control board and display for one or two 24V operators for swing gates.

CP D114238 00002 - CI 2618163 - Thalia BT A160



- Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Expansion card for Extra AUX, Commands & Safety are standard in this new panel
- Elevated control board for easier installation

Vital Accessories



CP P135005 - CI 2601366
LRV

Short articulated arms for IGEA and IGEA BT operators.

Recommended Accessories



CP P125053 - CI 2614987
BBT BAT CBOX FLAT

Thalia BT A control panel battery back-up unit.



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00003 - CI 2607539
RADIUS LED BT A R1

Orange flashing warning light with integral antenna - 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P123032 00003 - CI 2613518
EBP BT A 24V

24V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



IGE A

Electromechanical automation for swing gates

SWING GATES



Scan the QR code to view the operator quick guide.



230v



U-Link



ER Ready



EE Link



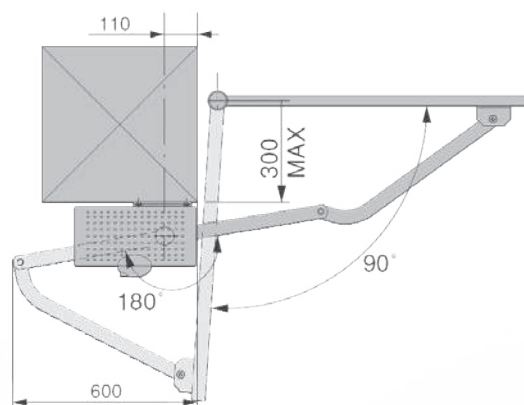
→ Solution for projects that have large pillars

→ Opening angle up to 125°

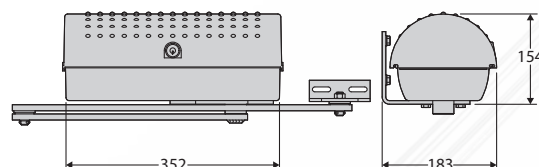
Product Information

230V electromechanical operator with articulated arm for residential use, for swing gates up to 2.5M and 250 kg. Ideal for installation on large-size pillars due to its articulated levers that allow opening up to 125°.

Installation Dimensions



Dimensions



Technical Specification

	IGE A
Control panel	RIGEL 6
Control panel supply voltage	230V
Motor voltage	230V
Power consumption	300W
Max. gate width/weight	2.5M/200kg
Max. gate weight/width	250kg/2M
Maximum angle	125°
Cycle time	15s
Limit switch type	Electromechanical
Slowdown	No
Locking	Yes
Frequency of use	Intensive
Max. cycles per hour	15
Protection rating	IP44
Operating temperature	-15 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
IGEA	P935065 00002	2600863	A locking 230V electromechanical operator for swing gates weighing up to 250kg or up to 2.5M long. The limit switch is electromechanical.

RIGEL 6 Control panel with display for one or two 230V electromechanical or hydraulic operators for swing gates.

CP D113833 00002 - CI 2600589 - **RIGEL 6**



- Universal control panel with display for one or two 230V - 650+650W operators
- Electronic deceleration at opening and closing and separate limit switch inputs for each motor
- Integral 4-channel receiver for customisable operation
- Automatic re-closing of the gates
- Programmable partial opening, fast closing and separate opening and closing

Vital Accessories



CP P135005 - CI 2601366
LRV

Short articulated arms for IGEA and IGEA BT operators.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



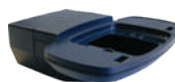
CP P123032 00001 - CI 2613516
EBP AC A 230V

230V vertical electric lock.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



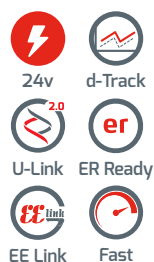
PHOBOS BT B

Electromechanical automation for swing gates

SWING GATES



Scan the QR code to view the operator quick guide.

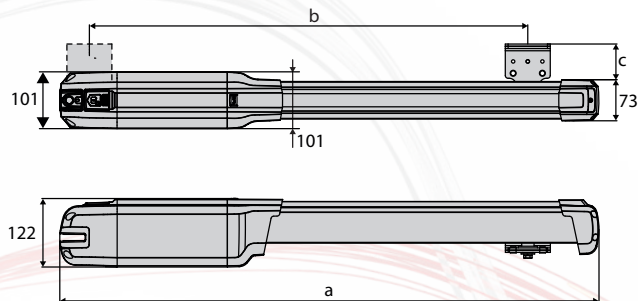


Product Information

A range of 24V linear electromechanical operators for residential and communal use suitable for swing gates up to 4M wide and weighing up to 700kg. Ph obos BT B operators incorporate magnetic limit switches with easy set vibration function for quick setting. The d-Track system ensures accurate force is applied through the complete gate cycle for optimum safety.

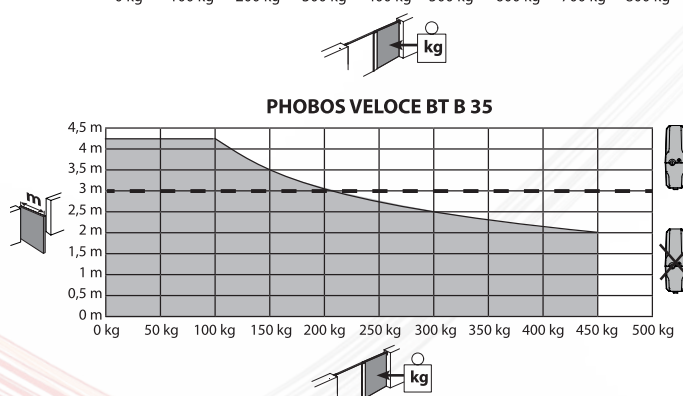
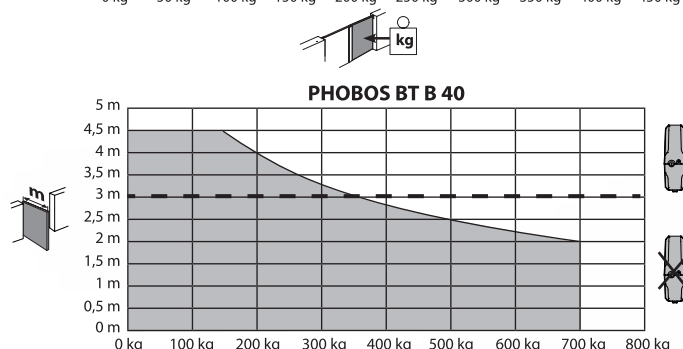
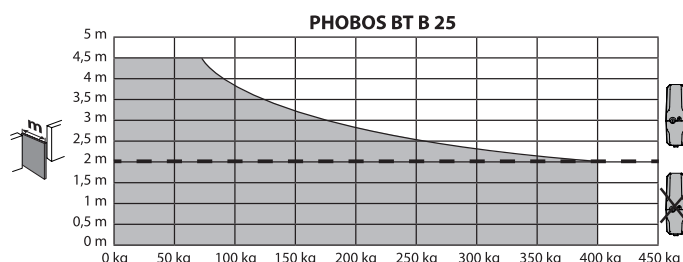
- Magnetic limit switches with vibration setting located at the top of the operator for quick setting
- Mechanical limits available as an optional accessory if required
- Veloce operator with quick cycle time an option where fast open/close operation is required

Dimensions



	a	b	c
PHOBOS BT B 25	810	Cu MAX 360	63
PHOBOS BT B 40	960	Cu MAX 470	96
PHOBOS BT B 35 VELOCE	960	Cu MAX 470	96

Installation Dimensions



Technical Specification

	PHOBOS BT B25	PHOBOS BT B40	PHOBOS BT B35 VELOCE
Control panel	THALIA BT A160	THALIA BT A160	THALIA BT A160
Control panel supply voltage	230V	230V	230V
Motor voltage	24V	24V	24V
Power consumption	40W	40W	60W
Max. gate width without a lock	2M/400kg	3M/300kg	3M/200kg
Max. gate width with a lock	3M/150kg	4M/200kg	3M/200kg
Max. gate weight/width	400kg/2M	700kg/2M	450kg/2M
Useful rod stroke	360mm	480mm	480mm
Maximum angle	119°	130°	130°
Cycle time (90°)	13s	16s	10s
Limit switch type	Magnetic	Magnetic	Magnetic
Slowdown	Yes	Yes	Yes
Locking	Yes	Yes	Yes
Obstacle detection	d-Track	d-Track	d-Track
Frequency of use	30 operations p/h	30 operations p/h	25 operations p/h
Protection rating	IP44	IP44	IP44
Operating temperature	-20 to 55°C	-20 to 55°C	-20 to 55°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
PHOBOS BT B25	P935129 00002	2614565	A locking 24V electromechanical operator for swing gates up to 3M wide or weighing 400kg. Magnetic limit switches located at the top of the operator for convenient setting.
PHOBOS BT B40	P935130 00002	2614566	A locking 24V electromechanical operator for swing gates up to 4M wide or weighing 700kg. Magnetic limit switches located at the top of the operator for convenient setting.
PHOBOS BT B35 VELOCE	P935131 00002	2614567	A fast operation locking 24V electromechanical operator for swing gates up to 3M wide or weighing 450kg. Magnetic limit switches located at the top of the operator for convenient setting.

THALIA BT A160

Control panel with elevated control board and display for one or two 24V operators for swing gates.

CP D114238 00002 - CI 2618163 - Thalia BT A160



- Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Expansion card for Extra AUX, Commands & Safety are standard in this new panel
- Elevated control board for easier installation

Vital Accessories



CP N735002 00001 - CI 2601273
SFR B - COMPLETE

Adjustable wall bracket - short - with flat bracket compatible with Phobos operators.



CP N335008 - CI 2614979
APSP

Adapter kit used when replacing a Phobos A model operator.



CP N735003 00001 - CI 2601392
SFR-L B - COMPLETE

Adjustable wall bracket - long - with flat bracket compatible with Phobos operators.



CP N998613 - CI 2613836
AMIP

Phobos mechanical stops.

Recommended Accessories



CP P125053 - CI 2614987
BBT BAT CBOX FLAT

Thalia BT A control panel battery back-up unit.



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00003 - CI 2607539
RADIUS LED BT A R1

Orange flashing warning light with integral antenna - 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P123032 00003 - CI 2613518
EBP BT A 24V

24V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711



PHOBOS AC B

Electromechanical automation for swing gates

SWING GATES



Scan the QR code to view the operator quick guide.



230v



U-Link



ER Ready



EE Link

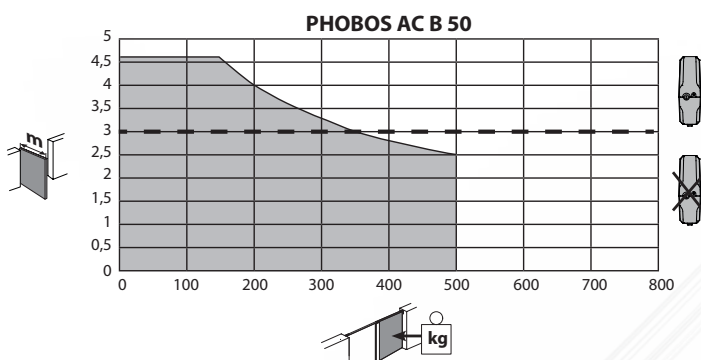
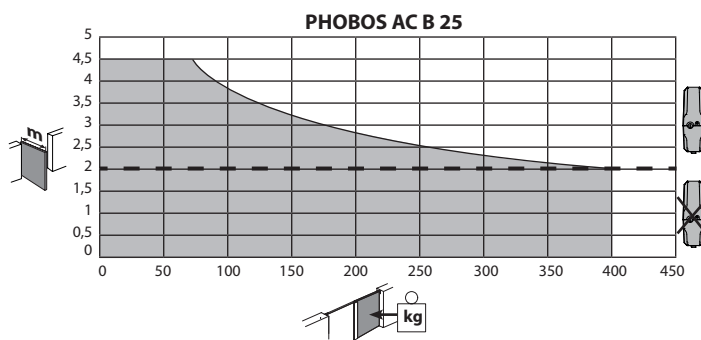


Product Information

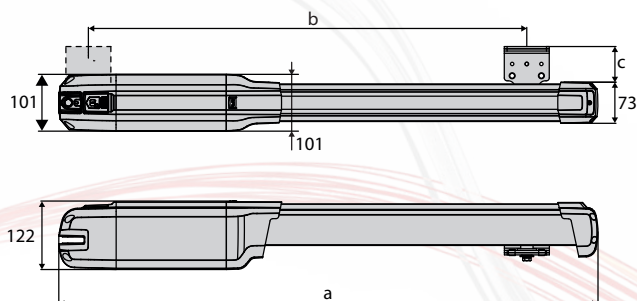
A range of 230V linear electromechanical operators for residential and communal use suitable for swing gates up to 5M wide and weighing up to 500kg.

- Solution for larger gate widths up to 5M wide
- Self locking solution for gates up to 4M wide
- Slowdown during open/close operations

Installation Dimensions



Dimensions



	a	b	c
PHOBOS AC B 25	810	Cu MAX 310	63
PHOBOS AC B 50	960	Cu MAX 470	98

Technical Specification

	PHOBOS AC B25	PHOBOS AC B50
Control panel	RIGEL 6	RIGEL 6
Control panel supply voltage	230V	230V
Motor voltage	230V	230V
Power consumption	210W	210W
Max. gate width without a lock	2M/400kg	2.5M/500kg
Max. gate width with a lock	3M/150kg	4M/200kg
Max gate weight	400kg	500kg
Useful rod stroke	310mm	470mm
Maximum angle	119°	130°
Cycle time (90°)	18s	22s
Limit switch type	Working Time	Working Time
Slowdown	Yes	Yes
Locking	Yes	Yes
Frequency of use	15 operations p/h	15 operations p/h
Protection rating	IP44	IP44
Operating temperature	-20 to 55°C	-20 to 55°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
PHOBOS AC B25	P935132 00002	2614569	A locking 230V electromechanical operator for swing gates up to 2.5M wide or weighing 400kg.
PHOBOS AC B50	P935133 00002	2614570	A locking 230V electromechanical operator for swing gates up to 5M wide or weighing 500kg.

RIGEL 6

Control panel with display for one or two 230V electromechanical or hydraulic operators for swing gates.

CP D113833 00002 - CI 2600589 - RIGEL 6



- Universal control panel with display for one or two 230V - 650+650W operators
- Electronic deceleration at opening and closing and separate limit switch inputs for each motor
- Integral 4-channel receiver for customisable operation
- Automatic re-closing of the gates
- Programmable partial opening, fast closing and separate opening and closing

Vital Accessories



CP N735002 00001 - CI 2601273
SFR B - COMPLETE

Adjustable wall bracket - short - with flat bracket compatible with Phobos operators.



CP N335008 - CI 2614979
APSP

Adapter kit used when replacing a Phobos A model operator.



CP N735003 00001 - CI 2601392
SFR-L B - COMPLETE

Adjustable wall bracket - long - with flat bracket compatible with Phobos operators.



CP N998613 - CI 2613836
AMIP

Phobos mechanical stops.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30m. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P123032 00001 - CI 2613516
EBP AC A 230V

230V vertical electric lock.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.

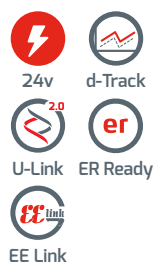


KUSTOS BT B

Electromechanical automation for swing gates



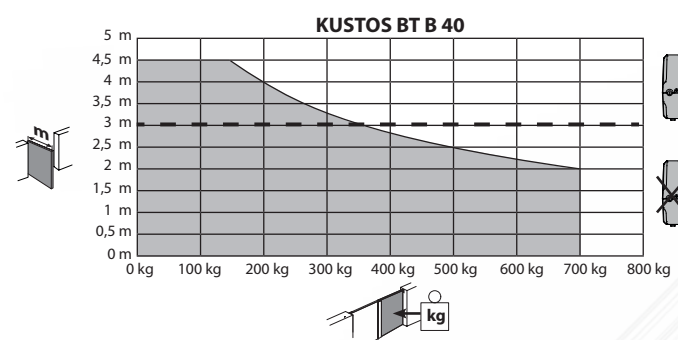
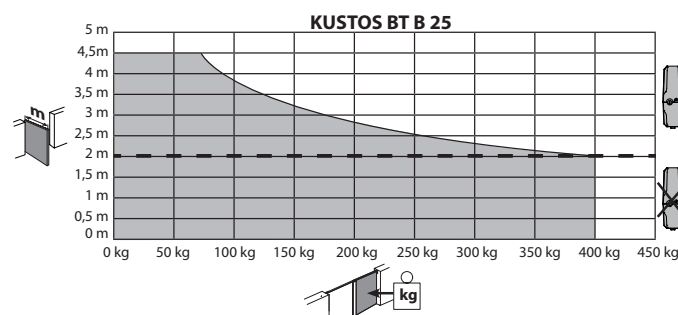
Scan the QR code to view the operator quick guide.



Product Information

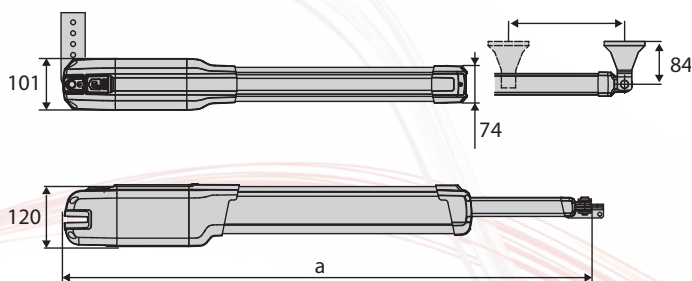
Locking 24V linear electromechanical operators for residential and communal use suitable for swing gates up to 4M wide and weighing up to 700kg. Kustos BT B operators incorporate magnetic limit switches with easy set vibration function for quick setting. The d-Track system ensures accurate force is applied through the complete gate cycle for optimum safety. The covered worm screw drive makes these operators ideal for projects where dust or debris may impact operation.

Installation Dimensions



- Covered worm screw drive offering protection against the elements in demanding locations
- Magnetic limit switches with vibration setting located at the top of the operator for quick setting
- Veloce operator with quick cycle time an option where fast open/close operation is required

Dimensions



	a	b
KUSTOS BT B 25	1090	Cu MAX 235
KUSTOS BT B 40	1210	Cu MAX 295

Technical Specification

	KUSTOS BT B25	KUSTOS BT B40
Control panel	THALIA BT A160	THALIA BT A160
Control panel supply voltage	230V	230V
Motor voltage	24V	24V
Power consumption	40W	40W
Max. gate width without a lock	2M/400kg	2M/700kg
Max. gate width with a lock	3.5M/100kg	4M/400kg
Max gate weight	400kg	700kg
Useful rod stroke	295mm	355mm
Maximum angle	119°	124°
Cycle time (90°)	12s	16s
Limit switch type	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Yes	Yes
Obstacle detection	d-Track	d-Track
Frequency of use	30 operations p/h	30 operations p/h
Protection rating	IP44	IP44
Operating temperature	-20 to 55°C	-20 to 55°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
KUSTOS BT B25	P935127 00002	2614562	Locking 24V electromechanical operator for swing gates 3M wide or weighing up to 400kg. Enclosed worm screw for protection against the elements. Magnetic limit switches with vibration setting function.
KUSTOS BT B40	P935128 00002	2614563	Locking 24V electromechanical operator for swing gates 4M wide or weighing up to 700kg. Enclosed worm screw for protection against the elements. Magnetic limit switches with vibration setting function.

THALIA BT A160

Control panel with elevated control board and display for one or two 24V operators for swing gates.

CP D114238 00002 - CI 2618163 - Thalia BT A160



- Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Expansion card for Extra AUX, Commands & Safety are standard in this new panel
- Elevated control board for easier installation

Vital Accessories



CP N735002 00001 - CI 2601273
SFR B - COMPLETE

Adjustable wall bracket - short - with flat bracket compatible with Phobos operators.



CP N998663 - CI 2613836
AMIK

Mechanical stop.



CP N735003 00001 - CI 2601392
SFR-L B - COMPLETE

Adjustable wall bracket - long - with flat bracket compatible with Phobos operators.

Recommended Accessories



CP P125053 - CI 2614987
BBT BAT CBOX FLAT

Thalia BT A control panel battery back-up unit.



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00003 - CI 2607539
RADIUS LED BT A R1

Orange flashing warning light with integral antenna - 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



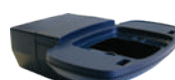
CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P123032 00003 - CI 2613518
EBP BT A 24V

24V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711



ELI BT A

Electromechanical automation for swing gates



Scan the QR code to view the operator quick guide.



24v



U-Link



ER Ready



EE Link



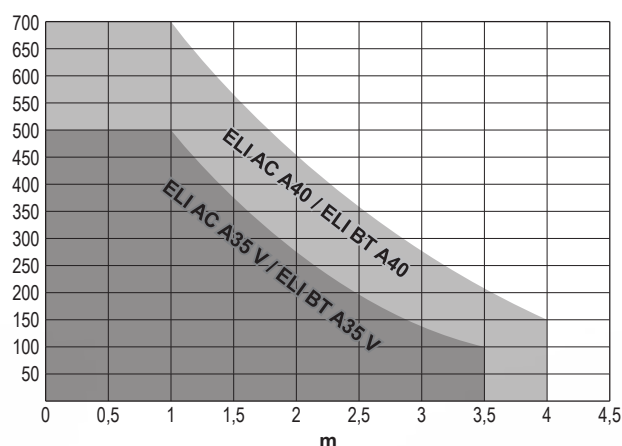
Fast



Product Information

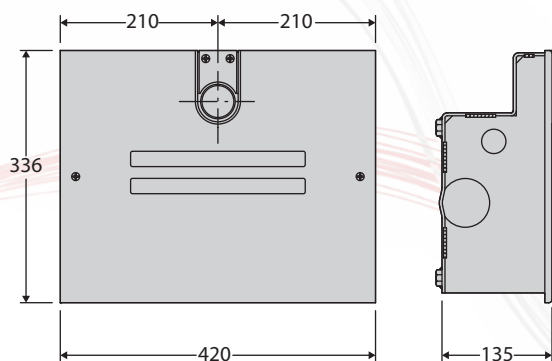
A range of 24V in-ground locking electromechanical operators for swing gates up to 4M wide and 500k in weight. Integral mechanical stops for opening and closing optional magnetic limit switches if preferred. The Veloce model offers quick operation on opening and closing.

Installation Dimensions



- Veloce operator offers quick cycle time where fast open/close operation is required
- Crown gear produced in XECARB® thermoplastic composite, widely used in aerospace, improving performance on heavier gates with a longer service life
- Integrated mechanical stops for open/close cycles - simplifies installation with no requirement for physical stops

Dimensions



Technical Specification

	ELI VELOCE BT A35	ELI BT A40
Control panel	THALIA BT A160	THALIA BT A160
Control panel supply voltage	230V	230V
Motor voltage	24V	24V
Power consumption	100W	180W
Max. gate width without a lock	2M/250kg	2.5M/350kg
Max. gate width with a lock	3.5M/100kg	4M/150kg
Max. gate weight/width	250kg/2M	500kg/1.5M
Maximum angle	120°	120°
Cycle time (90°)	10s + slowdown	14s + slowdown
Limit switch type	Mechanical	Mechanical
Slowdown	Yes	Yes
Locking	Yes	Yes
Obstacle detection	Electronic Clutch	Electronic Clutch
Frequency of use	Intensive (50 cycles p/h)	Very Intensive (continuous)
Protection rating	IP67	IP67
Operating temperature	-20 to 55°C	-20 to 55°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
ELI BT A40	P930134 00002	2601455	24V in-ground electromechanical operator for swing gates up to 4M wide or 500kg in weight. Mechanical limit switches.
ELI BT A35V	P930133 00002	2601454	24V in-ground electromechanical operator for swing gates up to 3.5M wide and 350kg in weight. Mechanical limit switches. Fast version.

THALIA BT A160

Control panel with elevated control board and display for one or two 24V operators for swing gates.

CP D114238 00002 - CI 2618163 - Thalia BT A160



- Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Expansion card for Extra AUX, Commands & Safety are standard in this new panel
- Elevated control board for easier installation

Vital Accessories



CP N733397 - CI 2600789
BTCF 120 E

Foundation box with levers for ELI range of operators. Release supplied separately.



CP N733951 - CI 2601457
FCE

Optional magnetic limit switch kit for ELI operators.



CP N733392 - CI 2600478
SCC

Manual release mechanism for ELI operators with lever key.



CP N733304 - CI 2600236
E180

180° conversion kit for use with ELI AC A40 operator.

Recommended Accessories



CP P125053 - CI 2614987
BBT BAT CBOX FLAT

Thalia BT A control panel battery back-up unit.



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00003 - CI 2607539
RADIUS LED BT A R1

Orange flashing warning light with integral antenna - 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P123032 00003 - CI 2613518
EBP BT A 24V

24V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



ELI AC A

Electromechanical automation for swing gates



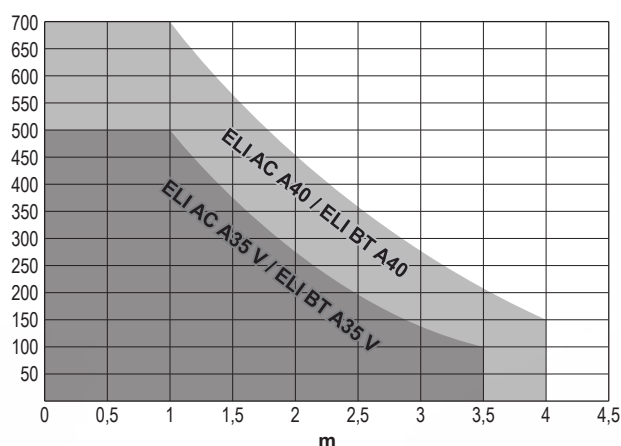
Scan the QR code to view the operator quick guide.



Product Information

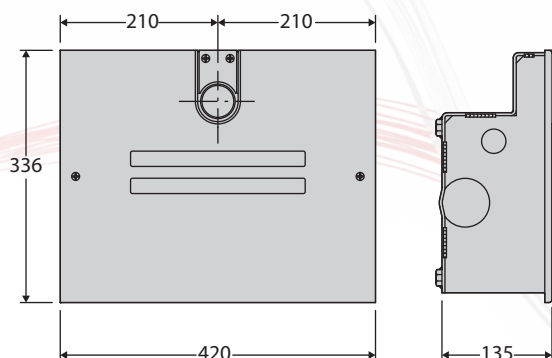
A range of 230V in-ground locking electromechanical operators for swing gates up to 4M wide and 500k in weight. Integral mechanical stops for opening and closing optional magnetic limit switches if preferred. The Veloce model offers quick operation on opening and closing.

Installation Dimensions



- Veloce operator offers quick cycle time where fast open/close operation is required
- Crown gear produced in XECARB® thermoplastic composite, widely used in aerospace, improving performance on heavier gates with a longer service life
- Integrated mechanical stops for open/close cycles - simplifies installation with no requirement for physical stops

Dimensions



Technical Specification

	ELI VELOCE AC A35	ELI AC A40
Control panel	RIGEL 6	RIGEL 6
Control panel supply voltage	230V	230V
Motor voltage	230V	230V
Power consumption	250W	300W
Max. gate width without a lock	2M/250kg	2.5M/
Max. gate width with a lock	3.5M/100kg	4M/150kg
Max gate weight	250kg/2M	500kg/1.5M
Maximum angle	120°	120°
Cycle time (90°)	11s	13s
Limit switch type	Mechanical	Mechanical
Slowdown	No	No
Locking	Yes	Yes
Frequency of use	Intensive (60 cycles p/h @ 20°C)	Intensive (40 cycles p/h @ 20°C)
Protection rating	IP67	IP67
Operating temperature	-20 to 55°C	-20 to 55°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
ELI AC A40	P930132 00002	2601473	230V in-ground electromechanical operator for swing gates up to 4M wide or 500kg in weight. Mechanical limit switches.
ELI AC A35V	P930131 00002	2601464	230V in-ground electromechanical operator for swing gates up to 3.5M wide or 350kg in weight. Mechanical limit switches. Fast version.

RIGEL 6 Control panel with display for one or two 230V electromechanical or hydraulic operators for swing gates.

CP D113833 00002 - CI 2600589 - RIGEL 6



- Universal control panel with display for one or two 230V - 650+650W operators
- Electronic deceleration at opening and closing and separate limit switch inputs for each motor
- Integral 4-channel receiver for customisable operation
- Automatic re-closing of the gates
- Programmable partial opening, fast closing and separate opening and closing

Vital Accessories



CP N733397 - CI 2600789
BTCF 120 E

Foundation box with levers for ELI range of operators. Release supplied separately.



CP N733951 - CI 2601457
FCE

Optional magnetic limit switch kit for ELI operators.



CP N733392 - CI 2600478
SCC

Manual release mechanism for ELI operators with lever key.



CP N733304 - CI 2600236
E180

180° conversion kit for use with ELI AC A40 operator.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P123032 00001 - CI 2613516
EBP AC A 230V

230V vertical electric lock.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.

Hydraulic automation systems for swing gates

Selection Guide

MAX GATE WIDTH	MAX GATE WEIGHT	MAXIMUM ANGLE	MOTOR VOLTAGE	FREQUENCY OF USE	MODEL	FEATURES
HYDRAULIC OPERATORS FOR SWING GATES						
1.8M	180kg	112°	230V	Semi-Intensive	ORO	Compact size
2M	300kg	110°	24V	Very-Intensive	GIUNO ULTRA BT A20	Selectable locking, magnetic limit switches
		117°			LUX FC 2B	Internal stop in closed position.
					LUX 2B	17s cycle time (90°)
					LUX R2B	Closing slowdown
3.5M		123°	230V		LUX GV 2B	Self locking up to 3M
					LUX GVS	130° opening angle
4.5M	500kg				LUX GVR	Non-locking with slowdown
5M	800kg	110°	24V		P4.5	Closing slowdown
7M	500kg	123°	230V		GIUNO ULTRA BT A50	Selectable locking, magnetic limit switches
					P7	Closing slowdown
HYDRAULIC INGROUND OPERATORS FOR SWING GATES						
1.8M	800kg	130°	230V	Very-Intensive	SUB	Self locking up to 1.8M
					SUB R	Quick operation, slowdown in both directions
					SUB EG	
		180°			SUB G	180° operation, self locking
2.5M		120°	24V		SUB GR	180° operation, slowdown in both directions
2.5M					SUB BT	Integrated obstacle detection
2.5M		130°	230V		SUB E	
3.5M					SUB ER	Slowdown in both directions
					SUB EL	3.5M gate width with 800kg weight

The above guide indicates maximum gate width & weight values.

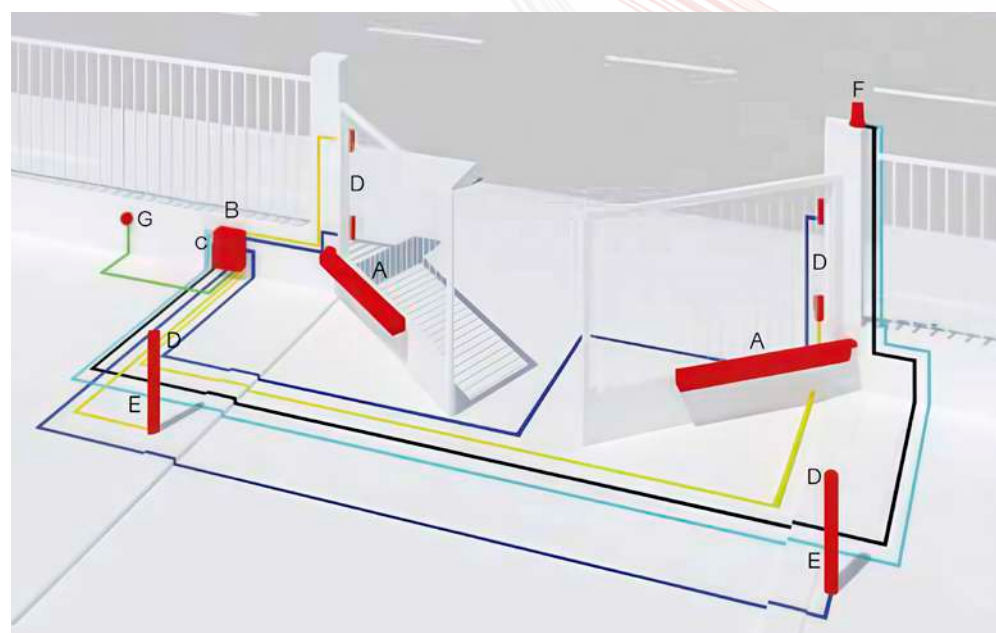
The width of the gate leaf may determine a lower weight compared to the max value.

Example: Max width: 2.5M + Max weight: 250kg
 @ 2.5M width, the operator may only drive 200kg
 @ 250kg weight, the operator may only drive a gate width of 2M

Gate operators may require a lock installed to operate at the maximum weight value.

Refer to the specific operator selection guide to verify the correct gate width and weight specifications.

Installation Guide



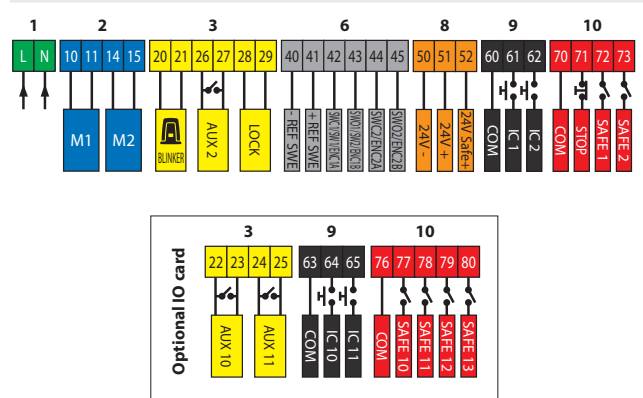
- A Gate Operator
- B Control Panel
- C Battery Backup
- D Photocell
- E Photocells Post
- F Flashing Light with Antenna
- G Junction Box (mains power)
- 2 x 1.5mm²
- 3 x 1.5mm²
- RG 58 Coaxial Cable
- 5 x 1.0mm²
- 2 x 1.0mm²

Control Panel Specification For Hydraulic Operators

24V Operators - Thalia BT A160

BASIC FEATURES	
Panel power supply	230V
Motor power supply	24V
Accessories power supply	24VDC - 500mA
Stand-by power consumption	< 0.5 W
Maximum power output	400 + 400 W
Max. # of remote controls	128
Programming	DISPLAY
SAFETY INPUTS	
Photocell	✓
Safety edge	✓
Resistive edge	✓
Self-test photocell	✓
Self-test safety edge	✓
Stop	✓
CONTROL INPUTS	
Start	✓
Open	✓
Open with timer	✓
Close	✓
Pedestrian open	✓
Pedestrian open with timer	✓
Traffic-light control	✓
OUTPUTS	
Flashing light	24VDC 1A
Configurable AUX 1	24VDC 1A
Electric lock	12-24VDC MAGLOCK 15W CATCH LOCK 30W
Courtesy light	✓
OUTPUTS CONFIGURATION	
Courtesy light	✓
Zone light	✓
Stairs light	✓
Flashing light	✓
Electric release lock	✓
Electric magnetic lock	✓
Gate status	✓
Gate open warning light	✓
Gate open alarm	✓
Maintenance	✓
Flashing + maintenance	✓

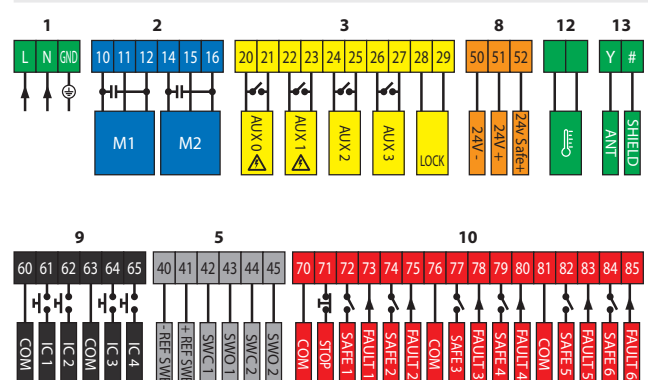
Thalia BT A160



230V Operators - Rigel 6

BASIC FEATURES	
Panel power supply	230V
Motor power supply	230V
Accessories power supply	24V - 1A
Maximum power output	750W
Max. # of remote controls	63
Programming	DISPLAY
SAFETY INPUTS	
Photocell	✓
Safety edge	✓
Resistive edge	✓
Self-test photocell	✓
Self-test safety edge	✓
Stop	✓
CONTROL INPUTS	
Start	✓
Open	✓
Open with timer	✓
Close	✓
Pedestrian open	✓
Pedestrian open with timer	✓
Traffic-light control	✓
OUTPUTS	
Flashing light	230V - 80W
Configurable AUX 1	✓
Configurable AUX 2	✓
Configurable AUX 3	✓
Solenoid lock	12V
OUTPUTS CONFIGURATION	
Courtesy light	✓
Zone light	✓
Stairs light	✓
Flashing light	✓
Electric release lock	✓
Electric magnetic lock	✓
Gate status	✓
Gate open warning light	✓
Gate open alarm	✓
Bistable radio channel	✓
Time delay radio channel	✓
Maintenance	✓
Flashing + maintenance	✓

Rigel 6



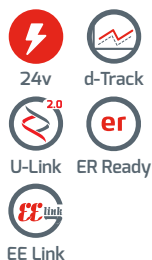


GIUNO ULTRA BT A

Hydraulic automation for swing gates



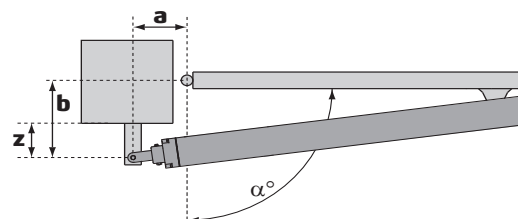
Scan the QR code to view the operator quick guide.



Product Information

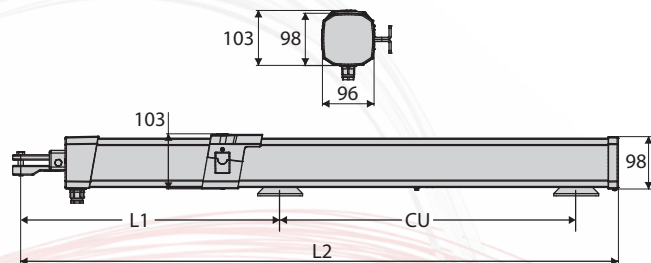
24V hydraulic operators designed for intensive use suitable for swing gates up to 5M wide or weighing up to 800kg. Giuno Ultra BT A operators incorporate magnetic limit switches and d-Track technology to ensure accurate force is applied through the complete gate cycle for optimum safety.

Installation Dimensions



- Very intensive duty cycle for large/heavy gates with hydraulic technology
- Configurable locking/non-locking option on both open/close positions
- Adjustable slowdown on both open/close cycles

Dimensions



	L1	CU	L2
GIUNO BT A20	715	270	1116
GIUNO BT A50	932	392	1381

GIUNO ULTRA BT A20										mm
b \ a	90	100	110	125	135	145	155	165	175	
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	91	86							
175	91	85								α°

GIUNO ULTRA BT A50										mm
b \ a	115	135	155	175	195	215	235	255	275	
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 Specification

	GIUNO ULTRA BT A20	GIUNO ULTRA BT A50
Control panel	THALIA BT A160	THALIA BT A160
Control panel supply voltage	230V	230V
Motor voltage	24V	24V
Power consumption	90W	90W
Max. gate width/weight without a lock	2M/300kg	3M/800kg
Max. gate width/weight with a lock	2M/300kg	5M/300kg
Max gate weight	300kg	800kg
Useful rod stroke	270mm	392mm
Maximum angle	110°	110°
Cycle time (90°)	14s	20s
Limit switch type	Magnetic	Magnetic
Slowdown	Yes	Yes
Locking	Open/Close Hydraulics	Open/Close Hydraulics
Obstacle detection	d-Track	d-Track
Frequency of use	Very Intensive	Very Intensive
Protection rating	IP55	IP55
Operating temperature	-20 to 60°C	-20 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
GIUNO ULTRA BT A20	P935105 00001	2600869	24V hydraulic operator for swing gates up to 2M wide or weighing 300kg. Very intensive duty cycle with cycle time of 14s. Adjustable locking magnetic limit switches
GIUNO ULTRA BT A50	P935106 00001	2600551	24V hydraulic operator for swing gates up to 5M wide or weighing 800kg. Very intensive duty cycle with cycle time of 20s. Adjustable locking magnetic limit switches

THALIA BT A160

Control panel with elevated control board and display for one or two 24V operators for swing gates.

CP D114238 00002 - CI 2618163 - Thalia BT A160



- Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Expansion card for Extra AUX, Commands & Safety are standard in this new panel
- Elevated control board for easier installation

Vital Accessories



CP N735002 00001 - CI 2601273
SFR B - COMPLETE

Adjustable wall bracket - short - with flat bracket compatible with Phobos operators.



CP N733474 00001 - CI 2610956
ARB GIUNO

Adjustable front mounting bracket for the Giuno operator.



CP N735003 00001 - CI 2601392
SFR-L B - COMPLETE

Adjustable wall bracket - long - with flat bracket compatible with Phobos operators.



CP D610256 - CI 2600599
CLS/82

Manual release key for Giuno operators.

Recommended Accessories



CP P125053 - CI 2614987
BBT BAT CBOX FLAT

Thalia BT A control panel battery back-up unit.



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00003 - CI 2607539
RADIUS LED BT A R1

Orange flashing warning light with integral antenna - 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



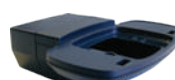
CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P123032 00003 - CI 2613518
EBP BT A 24V

24V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711



LUX

Hydraulic automation for swing gates

SWING GATES



Scan the QR code to view the operator quick guide.



230V



U-Link



ER Ready



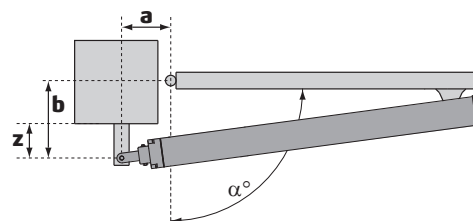
EE Link



Product Information

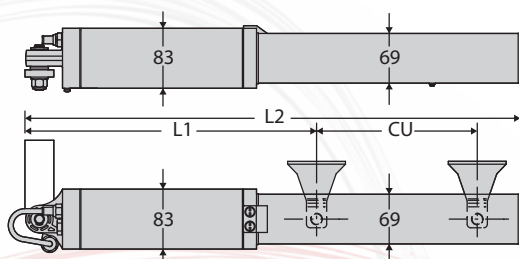
230V hydraulic operators designed for intensive use suitable for swing gates up to 3.5M wide or weighing up to 300kg. LUX operators are available in both locking and non-locking models.

Installation Dimensions



- Available in both locking and non-locking formats
- Slowdown on closing (R versions) ensures silent, smooth movements on large/heavy gates
- By-pass valves allow precise setting of torque for opening and closing

Dimensions



	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

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

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

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

Technical Specification

	LUX 2B	LUX R 2B	LUX FC 2B	LUX GV 2B	LUX GVS	LUX GVR
Control panel	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Control panel supply voltage	230V	230V	230V	230V	230V	230V
Motor voltage	230V	230V	230V	230V	230V	230V
Power consumption	250W	250W	250W	250W	250W	250W
Max. gate width/weight without a lock	2M/300kg	2M/300kg	2M/300kg	3M/300kg	3M/300kg	3M/300kg
Max. gate width/weight with a lock	2M/300kg	2M/300kg	2M/300kg	3.5M/300kg	N/A	N/A
Max gate weight	300kg	300kg	300kg	300kg	300kg	300kg
Useful rod stroke	270mm	270mm	280mm	390mm	390mm	390mm
Maximum angle	123°	123°	117°	123°	130°	130°
Cycle time (90°)	17s	16s + slowdown	17s	28s	28s	28s
Limit switch type	Working Time	Working Time	Working Time	Working Time	Working Time	Working Time
Slowdown	No	No	No	No	No	No
Locking	Yes	Yes	Yes	Yes	No	No
Frequency of use	Very Intensive	Very Intensive	Very Intensive	Very Intensive	Very Intensive	Very Intensive
Protection rating	IP57	IP57	IP57	IP57	IP57	IP57
Operating temperature	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
LUX 2B	P935011 00001	2600017	230V locking hydraulic operator for swing gates up to 2M wide and 300kg in weight
LUX R 2B	P935046 00001	2611722	230V locking hydraulic operator for swing gates up to 2M wide and 300kg in weight. Slowdown on closing cycle
LUX FC 2B	P935039 00001	2600861	230V locking hydraulic operator for swing gates up to 2M wide and 300kg in weight. Internal stop in closed position
LUX GV 2B	P935014 00005	2600515	230V locking hydraulic operator for swing gates up to 3.5M wide or 300 kg in weight (self locking up to 3M wide)
LUX GVS	P935014 00007	2611706	230V non-locking hydraulic operator for swing gates up to 3.5M wide or 300 kg in weight
LUX GVR	P935050 00001	2611731	230V non-locking hydraulic operator for swing gates up to 3.5M wide or 300 kg in weight

RIGEL 6

Control panel with display for one or two 230V electromechanical or hydraulic operators for swing gates.

CP D113833 00002 - CI 2600589 - RIGEL 6



- Universal control panel with display for one or two 230V - 650+650W operators
- Electronic deceleration at opening and closing and separate limit switch inputs for each motor
- Integral 4-channel receiver for customisable operation
- Automatic re-closing of the gates
- Programmable partial opening, fast closing and separate opening and closing

Vital Accessories



CP N735002 00001 - CI 2601273
SFR B - COMPLETE

Adjustable wall bracket - short - with flat bracket compatible with Phobos operators.



CP N733424 00001 - CI 2610950
ARB ORO - LUX

Adjustable front mounting bracket for ORO and LUX operators.



CP N735003 00001 - CI 2601392
SFR-L B - COMPLETE

Adjustable wall bracket - long - with flat bracket compatible with Phobos operators.



CP D610256 - CI 2600599
CLS/82

Manual release key for LUX operators.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P123032 00001 - CI 2613516
EBP AC A 230V

230V vertical electric lock.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711



ORO

Hydraulic automation for swing gates

SWING GATES



Scan the QR code to view the operator quick guide.



230v



U-Link



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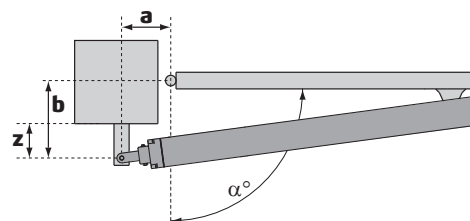
EE Link



Product Information

Extremely compact and sturdy hydraulic 230V operator suitable for residential and small apartment block use. Capable of automating swing gates up to 1.8M wide and weighing up to 200kg, locking in the closed position only. Maximum precision in force control guaranteed by by-pass valves.

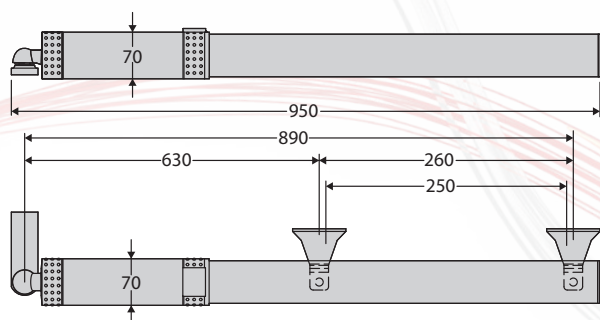
Installation Dimensions



- All the reliability and power of a hydraulic operator in an extremely compact unit
- By-pass valves allow precise setting of torque for opening and closing

ORO - ORO E									
z > 40 (mm)	a (mm)								
	80	90	100	110	120	130	140	150	160
b (mm)	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°

Dimensions



Technical Specification

	ORO
Control panel	RIGEL 6
Control panel supply voltage	230V
Motor voltage	230V
Power consumption	240W
Max. gate width	1.8M
Max gate weight	180kg
Useful rod stroke	250mm
Maximum angle	112°
Cycle time (90°)	20s
Limit switch type	Working Time
Slowdown	No
Locking	Only On Closing
Frequency of use	Semi Intensive
Protection rating	IP55
Operating temperature	-10 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
ORO	P935059 00001	2600862	230V hydraulic operator for swing gates up to 1.8M and 200kg in weight. Manoeuvre time 20s. Compact size.

RIGEL 6

Control panel with display for one or two 230V electromechanical or hydraulic operators for swing gates.

CP D113833 00002 - CI 2600589 - RIGEL 6



- Universal control panel with display for one or two 230V - 650+650W operators
- Electronic deceleration at opening and closing and separate limit switch inputs for each motor
- Integral 4-channel receiver for customisable operation
- Automatic re-closing of the gates
- Programmable partial opening, fast closing and separate opening and closing

Vital Accessories



CP N735002 00001 - CI 2601273
SFR B - COMPLETE

Adjustable wall bracket - short - with flat bracket compatible with Phobos operators.



CP N733424 00001 - CI 2610950
ARB ORO - LUX

Adjustable front mounting bracket for ORO and LUX operators.



CP N735003 00001 - CI 2601392
SFR-L B - COMPLETE

Adjustable wall bracket - long - with flat bracket compatible with Phobos operators.



CP D610256 - CI 2600599
CLS/B2

Manual release key for ORO operators.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P123032 00001 - CI 2613516
EBP AC A 230V

230V vertical electric lock.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



P-SERIES

Hydraulic automation for swing gates

SWING GATES



Scan the QR code to view the operator quick guide.



230V



U-Link



ER Ready

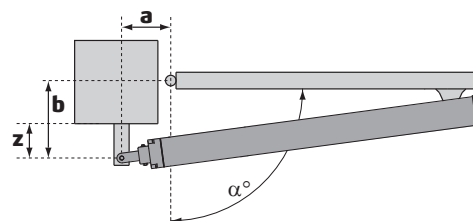


EE Link

Product Information

Extremely sturdy and reliable 230V hydraulic operators for industrial and commercial projects automating swing gates up to 7M wide and 500kg in weight. Smooth, silent gate operation is controlled by the high-performance hydraulic system with slowdown on closing.

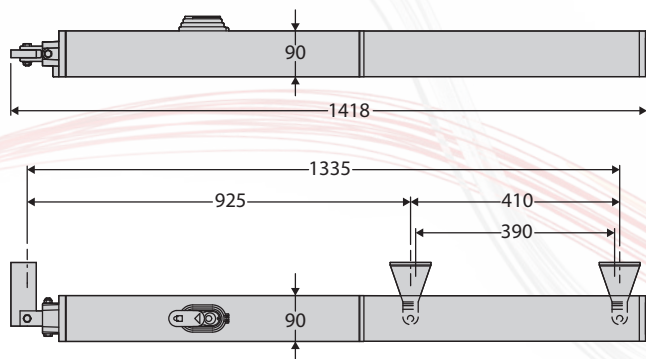
Installation Dimensions



P4,5 - P7											
z > 50 (mm)	a (mm)										
	120	135	150	165	180	195	210	225	240	255	270
120						117	109	103	99	95	92
135					123	111	104	99	95	92	
150					114	105	99	95	92		
165				123	107	100	95	91			
180				109	100	95	91				
195			118	101	95	90					
210			103	95	90						
225		106	95	89							
240		95	89								
255	95	88									
270	88										α°

- Powerful hydraulic solution for large/heavy gate projects
- By-pass valves allow precise setting of torque for opening and closing
- The rear articulated bracket and joint rod make installation simple and reliable

Dimensions



Technical Specification

	P4.5	P7
Control panel	RIGEL 6	RIGEL 6
Control panel supply voltage	230V	230V
Motor voltage	230V	230V
Power consumption	250W	250W
Max. gate width	4.5M	7M
Max gate weight	500kg	500kg
Useful rod stroke	390mm	390mm
Maximum angle	123°	123°
Cycle time (90°)	28s + slowdown	42s + slowdown
Limit switch type	Working Time	Working Time
Slowdown	During Closing	During Closing
Locking	No	No
Frequency of use	Very Intensive	Very Intensive
Protection rating	IP55	IP55
Operating temperature	-10 to 60°C	-10 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
P4.5	P935061 00001	2600016	Non-locking 230V hydraulic operator for swing gates up to 4.5M wide and 500kg in weight. Closing slowdown.
P7	P935060 00001	2600516	Non-locking 230V hydraulic operator for swing gates up to 7M wide and 500kg in weight. Closing slowdown.

RIGEL 6 Control panel with display for one or two 230V electromechanical or hydraulic operators for swing gates.

CP D113833 00002 - CI 2600589 - RIGEL 6



- Universal control panel with display for one or two 230V - 650+650W operators
- Electronic deceleration at opening and closing and separate limit switch inputs for each motor
- Integral 4-channel receiver for customisable operation
- Automatic re-closing of the gates
- Programmable partial opening, fast closing and separate opening and closing

Vital Accessories



CP D610256 - CI 2600599
CLS/82

Manual release key for ORO operators.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP P123032 00001 - CI 2613516
EBP AC A 230V

230V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



SUB BT

Hydraulic automation for swing gates



Scan the QR code to view the operator quick guide.



24v



d-Track



U-Link



ER Ready



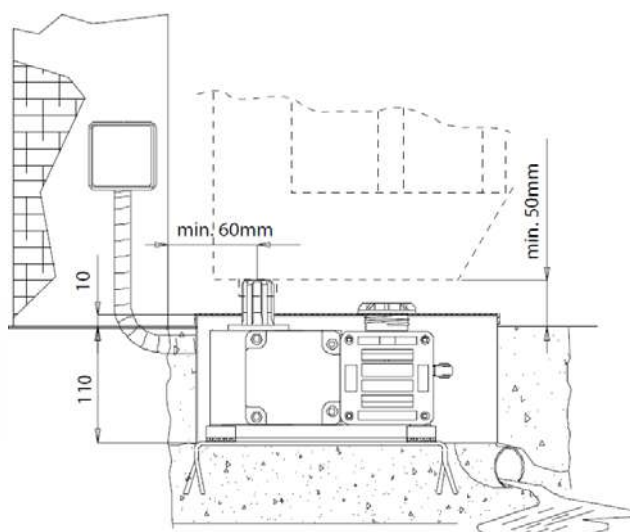
EE Link



Product Information

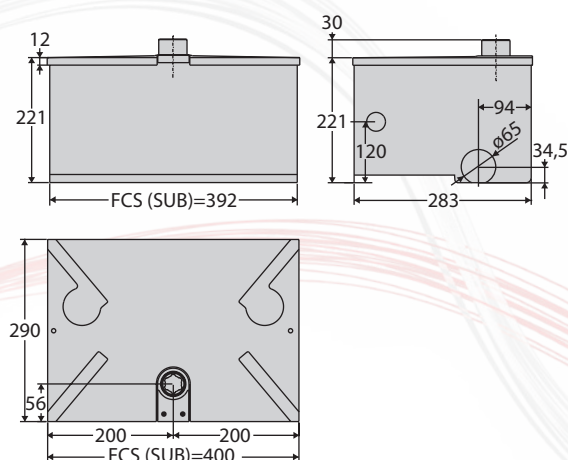
24V hydraulic operator suitable for any type of residential, industrial or multi-residence applications. Compact and sturdy, they can automate swing gates up to 2.5M wide or 800kg in weight. Fitted with mechanical stops and virtual encoder, providing maximum anti-crushing safety with electronic slowdown and D-Track system.

Installation Dimensions



- Powerful inground hydraulic solution for large/heavy gate projects
- Integrated mechanical stops for open/close cycles - simplifies installation with no requirement for physical stops

Dimensions



Technical Specification

	SUB BT
Control panel	THALIA BT A160
Control panel supply voltage	230V
Motor voltage	24V
Power consumption	300W
Max. gate width/weight without a lock	2M/800kg
Max. gate width/weight with a lock	2.5M/800kg
Max gate weight	800kg
Maximum angle	120°
Cycle time (90°)	13s
Limit switch type	Mechanical
Slowdown	Yes
Locking	Yes
Obstacle detection	d-Track
Frequency of use	Very Intensive
Protection rating	IP67
Operating temperature	-20 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
SUB BT	P930123 00001	2601016	24V in-ground locking hydraulic operator for swing gates up to 2.5M wide or 800kg in weight.

THALIA BT A160

Control panel with elevated control board and display for one or two 24V operators for swing gates.

CP D114238 00002 - CI 2618163 - Thalia BT A160



- Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators
- Operator torque is electronically adjusted (d-Track) incorporating a safe obstacle detection system
- Expansion card for Extra AUX, Commands & Safety are standard in this new panel
- Elevated control board for easier installation

Vital Accessories



CP N733480 00001 - CI 2601015
FCS BT

Foundation box for SUB BT operators.



CP D610256 - CI 2600599
CLS/82

Manual release key for SUB operators.



CP N733392 - CI 2600478
SCC

Manual release mechanism for ELI operators with lever key.

Recommended Accessories



CP P125053 - CI 2614987
BBT BAT CBOX FLAT

Thalia BT A control panel battery back-up unit.



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00003 - CI 2607539
RADIUS LED BT A R1

Orange flashing warning light with integral antenna - 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P123032 00003 - CI 2613518
EBP BT A 24V

24V vertical electric lock.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



SUB

Hydraulic automation for swing gates



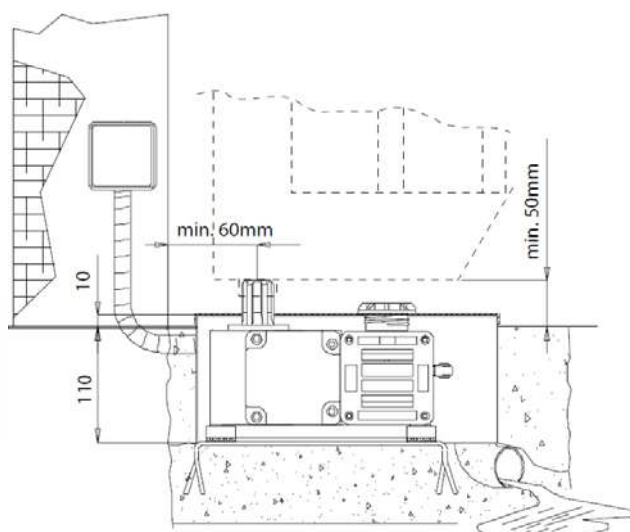
Scan the QR code to view the operator quick guide.



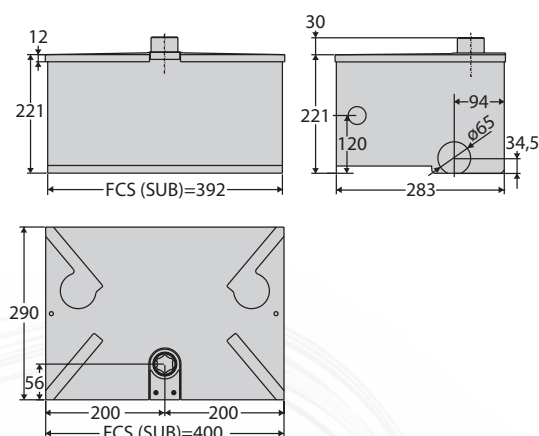
Product Information

230V hydraulic operator range suitable for any type of residential, industrial or multi-residence applications. Compact and sturdy, they can automate swing gates up to 3.5M wide and 800kg in weight. Available in locking and non-locking versions, with or without slowdown during opening and closing and with opening angles up to 180°.

Installation Dimensions



Dimensions



Technical Specification

	SUB	SUB R	SUB E	SUB ER
Control panel	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Control panel supply voltage	230V	230V	230V	230V
Motor voltage	230V	230V	230V	230V
Power consumption	250W	250W	250W	250W
Max. gate width	1.8M	1.8M	2.5M	2.5M
Max. gate width w/o lock	1.8M	1.8M	2.5M	2.5M
Max gate weight	800kg	800kg	800kg	800kg
Maximum angle	130°	130°	130°	130°
Cycle time (90°)	24s	14s + slowdown	24s	14s + slowdown
Slowdown	No	Yes	No	Yes
Locking	Yes	Yes	No	No
Frequency of use	Very Intensive	Very Intensive	Very Intensive	Very Intensive
Protection rating	IP67	IP67	IP67	IP67
Operating temperature	-10 to 60°C	-10 to 60°C	-10 to 60°C	-10 to 60°C
	SUB EL	SUB G	SUB EG	SUB GR
Control panel	RIGEL 6	RIGEL 6	RIGEL 6	RIGEL 6
Control panel supply voltage	230V	230V	230V	230V
Motor voltage	230V	230V	230V	230V
Power consumption	250W	250W	250W	250W
Max. gate width	3.5M	1.8M	2.5M	1.8M
Max. gate width w/o lock	2.5M	1.8M	2.5M	2.5M
Max gate weight	800kg	800kg	800kg	800kg
Maximum angle	130°	180°	180°	180°
Cycle time (90°)	33s	33s	24s	24s
Slowdown	No	No	No	Yes
Locking	No	Yes	No	Yes
Frequency of use	Very Intensive	Very Intensive	Very Intensive	Very Intensive
Protection rating	IP67	IP67	IP67	IP67
Operating temperature	-10 ÷ 60°C	-10 ÷ 60°C	-10 ÷ 60°C	-10 ÷ 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
SUB DX (R)	P930026 00001	2600858	In-ground 230V locking hydraulic operator for swing gates up to 1.8M/800kg.
SUB SX (L)	P930026 00002	2600859	In-ground 230V locking hydraulic operator for swing gates up to 1.8M/800kg.
SUB R DX (R)	P930012 00005	2601416	In-ground 230V locking hydraulic operator with slowdown for swing gates up to 1.8M/800kg.
SUB R SX (L)	P930012 00006	2611674	In-ground 230V locking hydraulic operator with slowdown for swing gates up to 1.8M/800kg.
SUB E DX (R)	P930009 00004	2601480	In-ground 230V non-locking hydraulic operator for swing gates up to 2.5M/800kg.
SUB E SX (L)	P930009 00005	2611668	In-ground 230V non-locking hydraulic operator for swing gates up to 2.5M/800kg.
SUB ER DX (R)	P930013 00007	2600975	In-ground 230V non-locking hydraulic operator with slowdown for swing gates up to 2.5M/800kg.
SUB ER SX (L)	P930013 00008	2600974	In-ground 230V non-locking hydraulic operator with slowdown for swing gates up to 2.5M/800kg.
SUB EL DX (R)	P930014 00005	2611681	In-ground 230V non-locking hydraulic operator for swing gates up to 3.5M/800kg.
SUB EL SX (L)	P930014 00006	2600973	In-ground 230V non-locking hydraulic operator for swing gates up to 3.5M/800kg.
SUB G DX (R)	P930010 00005	2601300	In-ground locking 230V hydraulic operator with 180° opening angle for swing gates up to 1.8M/800kg.
SUB G SX (L)	P930010 00006	2600026	In-ground locking 230V hydraulic operator with 180° opening angle for swing gates up to 1.8M/800kg.
SUB EG DX (R)	P930011 00005	2601256	In-ground 230V non-locking hydraulic operator for swing gates up to 1.8M/800kg.
SUB EG SX (L)	P930011 00006	2601257	In-ground 230V non-locking hydraulic operator for swing gates up to 1.8M/800kg.
SUB GR DX (R)	P930022 00001	2600976	In-ground locking 230V hydraulic operator with 180° opening angle for swing gates up to 1.8M/800kg.
SUB GR SX (L)	P930022 00002	2611683	In-ground locking 230V hydraulic operator with 180° opening angle for swing gates up to 1.8M/800kg.

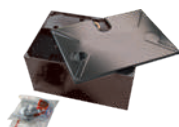
RIGEL 6 Control panel with display for one or two 230V electromechanical or hydraulic operators for swing gates.

CP D113833 00002 - CI 2600589 - RIGEL 6



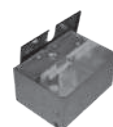
- Universal control panel with display for one or two 230V - 650+650W operators
- Electronic deceleration at opening and closing and separate limit switch inputs for each motor
- Integral 4-channel receiver for customisable operation
- Automatic re-closing of the gates
- Programmable partial opening, fast closing and separate opening and closing

Vital Accessories



CP N733066 00003 - CI 2600784
CPS DX

Foundation box for SUB DX right side operators.



CP N733066 00004 - CI 2600785
CPS SX

Foundation box for SUB SX left side operators.



CP N728002 - CI 2600776
BSC

Off set arm for SUB 230V operators - required when post to centre of hinge point is less than 60mm.



CP D610256 - CI 2600599
CLS/82

Manual release key for SUB operators.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P123032 00001 - CI 2613516
EBP AC A 230V

230V vertical electric lock.

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711

Automation systems for swing gates

Selection Guide

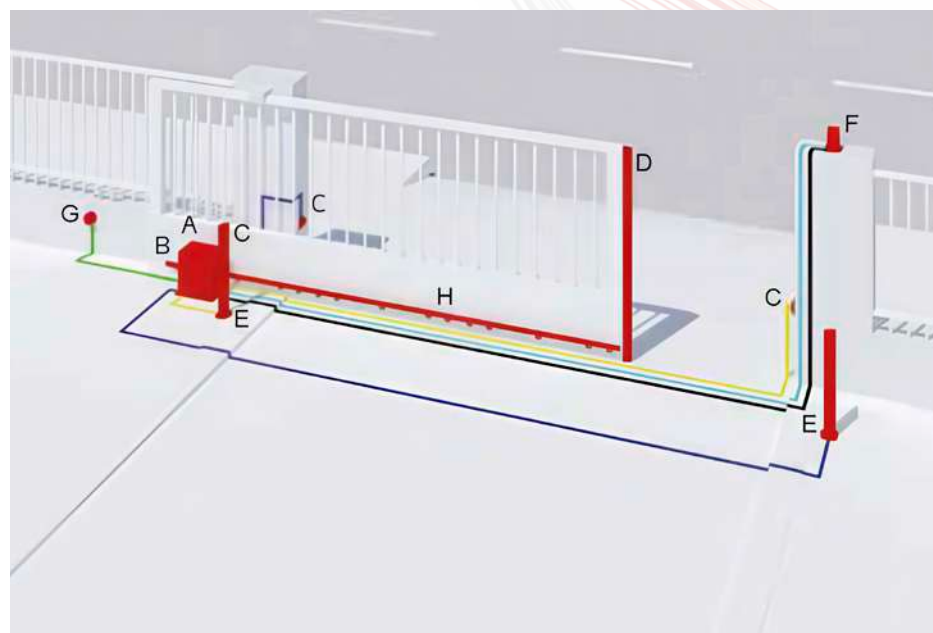
MAX TRACKED GATE WEIGHT	MAX CANTILEVER GATE WEIGHT	MAX GATE SPEED	MOTOR VOLTAGE	FREQUENCY OF USE	MODEL	FEATURES
OPERATORS FOR SLIDING GATES						
500kg	250kg	25 m/min	24V	Intensive	ARES VELOCE BT B500	Magnetic limit switch - control panel with LCD display - quick operation
600kg	300kg	14 m/min			DEIMOS ULTRA BT B600	Magnetic limit switch - control panel with LCD display
1000kg	500kg	12 m/min			ARES ULTRA BT B1000	Magnetic limit switch - control panel with LCD display
		18 m/min			ARES VELOCE BT B1000	Magnetic limit switch - control panel with LCD display - quick operation
		25 m/min	230V	Very-Intensive	ICARO VELOCE SMART AC A1000	Electromechanical limit switch - control panel with LCD display - quick operation
1500kg	750kg	12 m/min	24V	Intensive	ARES ULTRA BT B1500	Magnetic limit switch - control panel with LCD display
2000kg	1000kg	9 m/min	230V	Very-Intensive	ICARO SMART AC A2000	Spring limit switch - control panel with LCD display
					ICARO ULTRA AC A2000	Magnetic limit switch - control panel with LCD display
		18 m/min			ICARO VELOCE SMART AC A2000	Electromechanical limit switch - control panel with LCD display - quick operation
		39 m/min			OBERON	Electromechanical limit switch - very quick operation
3500kg	1750kg	10.5 m/min	400V		SP3500	Electromechanical limit switch - control panel with LCD display

The above guide indicates maximum gate width & weight values.

Example: Max width: 2.5M + Max weight: 250kg
 @ 2.5M width, the operator may only drive 200kg
 @ 250kg weight, the operator may only drive a gate width of 2M

Gate operators may require a lock installed to operate at the maximum weight value.
 Refer to the specific operator selection guide to verify the correct gate width and weight specifications.

Installation Guide



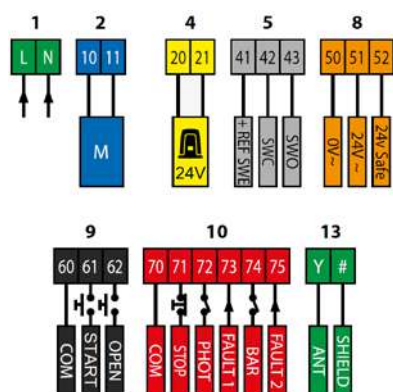
- A Gate Operator (intergrated control unit)
- B Battery Backup
- C Photocells
- D Safety Edge
- E Photocells Post
- F Flashing Light with Antenna
- G Junction Box (mains power)
- H Rack
- 2 x 1.5mm²
- 3 x 1.5mm²
- RG 58 Coaxial Cable
- 5 x 1.0mm²
- 2 x 1.0mm²

Control Panel Specification For Sliding Gate Operators

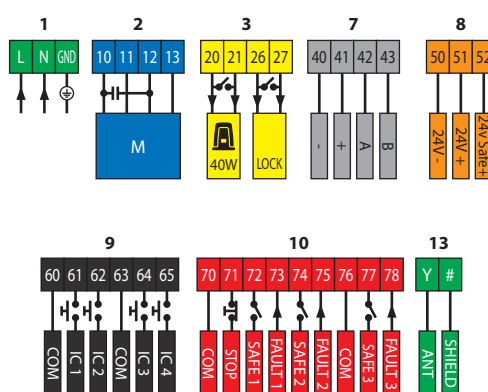
	MERAK BT A	LEO B CBB	SIRIO CBB
SLIDING GATE OPERATORS			
Deimos Ultra BT B	✓		
Ares Ultra/Veloce BT B	✓		
Icaro Smart/Ultra/Veloce AC A		✓	
Oberon/SP3500			✓
BASIC FEATURES			
Panel power supply	230V	230V	230V
Motor power supply	24V	230V	230V/400V
Maximum power output	400W	750W	550W
Accessories power supply	24VDC - 0.5A	24V - 1A	24V - 0.5A
Max. # of remote controls	128	63	63*
Programming	DISPLAY	DISPLAY	DISPLAY
ADVANCED FEATURES			
Separate safety inputs	✓	✓	✓
Obstacle detection	✓	✓	
Electronic torque adjustment	✓	✓	
Separate safety inputs	✓	✓	✓
LOGICS			
4 steps	✓	✓	✓
Master/Slave	✓	✓	✓
3 steps	✓	✓	✓
Emergency deadman	✓	✓	✓
SAFETY INPUTS			
Photocell	✓	✓	✓
Safety edge	✓	✓	✓
Resistive edge	✓	✓	✓
Self-test safety edge	✓	✓	✓
Self-test photocell	✓	✓	✓
Stop	✓	✓	✓
CONTROL INPUTS			
Start	✓	✓	✓
Open	✓	✓	✓
Open with timer	✓	✓	✓
Close	✓	✓	✓
Pedestrian open	✓	✓	✓
Pedestrian open with timer	✓	✓	✓
Traffic-light control	✓	✓	✓
OUTPUTS			
Flashing light	✓	✓	✓
Configurable AUX	✓	✓	✓
Electric lock	✓	✓	✓
Courtesy light	✓	✓	✓
Zone light	✓	✓	✓
Stairs light	✓	✓	✓
Flashing light	✓	✓	✓
Electric release lock	✓	✓	✓
Gate open alarm	✓	✓	✓
Maintenance	✓	✓	✓
Flashing + maintenance	✓	✓	✓

*Receiver needed

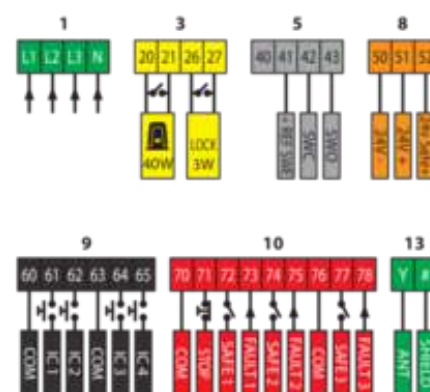
MERAK BT A



LEO B CBB



SIRIO CBB





DEIMOS ULTRA BT B600

Sliding gate automation systems



Scan the QR code to view the operator quick guide.



24v



d-Track



U-Link



ER Ready



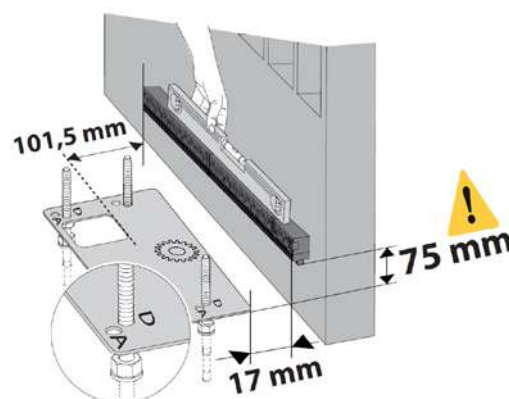
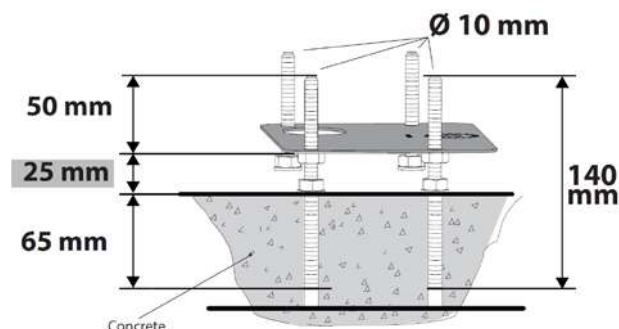
EE Link



Product Information

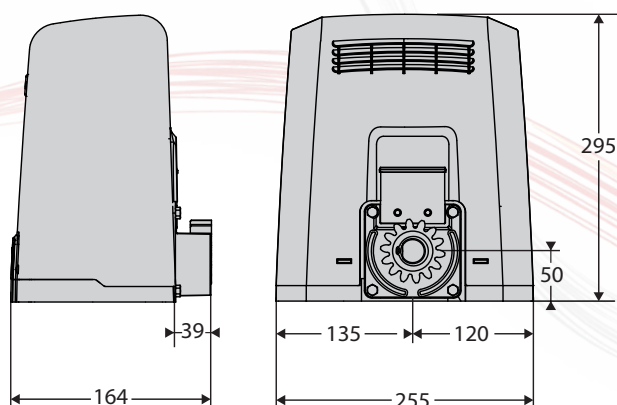
24V electromechanical operator for sliding gates weighing up to 600 kg. Quick leaf speed of 14M/min with magnetic limit switches for quick setting. Elevated user interface with display and programming buttons.

Installation Dimensions



- 4 channel receiver allowing different operating modes depending on the control button pressed
- Can accept up to 128 transmitters as standard
- Adding a low cost EBT card offers x2 additional resistive edges (totalling x4 edges)

Dimensions



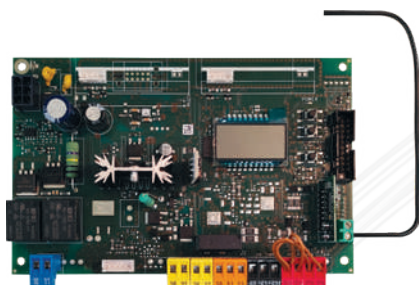
Technical Specification

DEIMOS ULTRA BT B600	
Control panel	MERAK BT A
Control panel supply voltage	230V
Motor voltage	24V
Power consumption	100W
Max gate weight	600kg (tracked), 300kg (cantilever)
Gate panel speed	14M/min
Limit switch type	Magnetic
Slowdown	Yes
Obstacle detection	d-Track
Frequency of use	25 cycles/hour
Protection rating	IP44
Operating temperature	-20 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
Deimos Ultra BT B600	P925268 00002	2618199	24V sliding gate operator with quick leaf speed of 14M/min and magnetic limit switches.

MERAK BT A (integrated)

Integrated Merak BT A control panel for Deimos Ultra BT B600



- Control panel located at the top of the operator for convenient wiring and set up
- Control board cover for improved protection against pests and the elements
- Improved energy efficiency with standby power < 0.5W
- Removable memory with capacity for 128 transmitters (control panel settings & transmitters can be transferred to a new unit)
- Removable colour coded terminal blocks for easier wiring

Vital Accessories



**CP D221073 - CI 2600594
CP RACK**

1M nylon drive rack- max load 600kg.



**CP P11822 - CI 2614334
EBT**

Input and output expansion card.



**CP P125035 - CI 2600845
SL BAT2**

Battery backup unit for the Deimos Ultra BT B600.

Recommended Accessories



**CP P111782 - CI 2601411
COMPACTA A20-180**

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



**CP P111536 - CI 2600813
AKTA A30**

Pair of Akta photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30m. Power supply 24V ac/dc.



**CP D112306 - CI 2614118
MITTO COOL C2**

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP D112318 - CI 2614120
MITTO COOL C4**

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP P121024 - CI 2600834
Q.BO TOUCH**

Wireless digital touch button keypad panel. (requires Clonix 2E)



**CP D113674 00001 - CI 2600578
CLONIX 2E**

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



**CP D113632 - CI 2600151
AEL 433**

Antenna to improve radio reception range with 4m cable.



**CP D114093 00003 - CI 2607539
RADIUS LED BT A R1**

Orange flashing warning light with integral antenna - 24V power supply.



**CP P123025 - CI 2600837
BLTA B 00 R02**

Wall mounting bracket for the Radius flashing light.



ARES ULTRA BT B

Sliding gate automation systems



Scan the QR code to view the operator quick guide.



24v



d-Track



U-Link



ER Ready

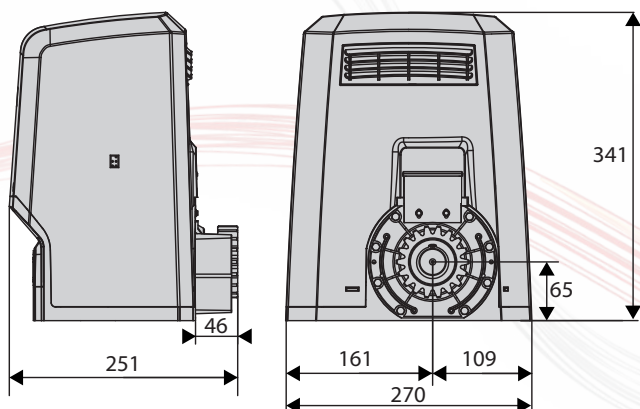


EE Link



- 4 channel receiver allowing different operating modes depending on the control button pressed
- Can accept up to 128 transmitters as standard
- Adding a low cost EBT card offers x2 additional resistive edges (totaling x4 edges)

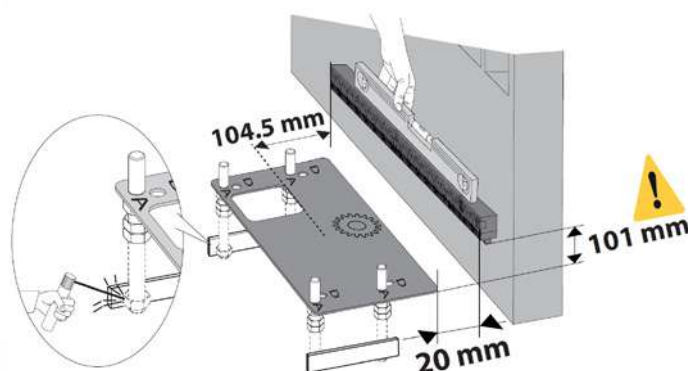
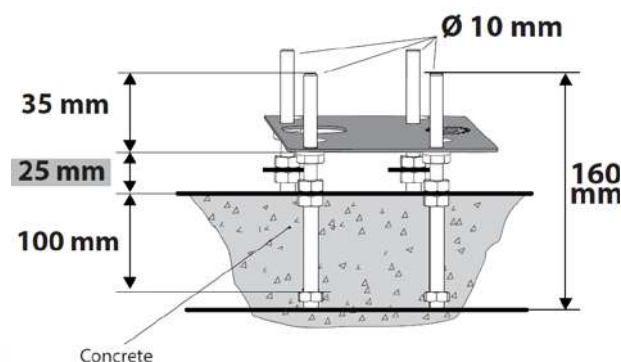
Dimensions



Product Information

24V electromechanical operator for sliding gates weighing up to 1500kg. Quick leaf speed of 12M/min with magnetic limit switches for quick setting. Elevated user interface with display and programming buttons.

Installation Dimensions



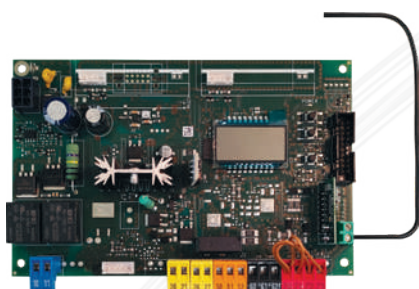
Technical Specification

	ARES ULTRA BT B1000	ARES ULTRA BT B1500
Control panel	MERAK BT A	MERAK BT A
Control panel supply voltage	230V	230V
Motor voltage	24V	24V
Power consumption	130W	160W
Max gate weight	1000kg (tracked), 500kg (cantilever)	1500kg (tracked), 750kg (cantilever)
Gate panel speed	14M/min	14M/min
Limit switch type	Magnetic	Magnetic
Slowdown	Yes	Yes
Obstacle detection	d-Track	d-Track
Frequency of use	25 cycles/hour	25 cycles/hour
Protection rating	IP44	IP44
Operating temperature	-20 to 60°C	-20 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
Ares Ultra BT B1000	P926203 00002	2618284	24V sliding gate operator for sliding gates weighing up to 1000kg with quick leaf speed of 14M/min and magnetic limit switches.
Ares Ultra BT B1500	P926204 00002	2618287	24V sliding gate operator for sliding gates weighing up to 1500kg with quick leaf speed of 14M/min and magnetic limit switches.

MERAK BT A (integrated)

Integrated Merak BT A control panel for Ares Ultra BT B600



- Control panel located at the top of the operator for convenient wiring and set up
- Control board cover for improved protection against pests and the elements
- Improved energy efficiency with standby power < 0.5W
- Removable memory with capacity for 128 transmitters (control panel settings & transmitters can be transferred to a new unit)
- Removable colour coded terminal blocks for easier wiring

Vital Accessories



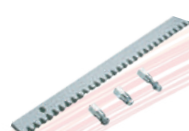
**CP D221073 - CI 2600594
CP RACK**

1M nylon drive rack- max load 600kg.



**CP P111822 - CI 2614334
EBT**

Input and output expansion card.



**CP D571053 - CI 9011069
CVZ RACK**

1M steel drive rack- max load 1000kg.



**CP P125035 - CI 2600845
SL BAT2**

Battery backup unit for the Deimos Ultra BT B600.

Recommended Accessories



**CP P111782 - CI 2601411
COMPACTA A20-180**

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



**CP P111536 - CI 2600813
AKTA A30**

Pair of Akta photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30m. Power supply 24V ac/dc.



**CP D112306 - CI 2614118
MITTO COOL C2**

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP D112318 - CI 2614120
MITTO COOL C4**

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP P121024 - CI 2600834
Q.BO TOUCH**

Wireless digital touch button keypad panel. (requires Clonix 2E)



**CP D113674 00001 - CI 2600578
CLONIX 2E**

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



**CP D113632 - CI 2600151
AEL 433**

Antenna to improve radio reception range with 4m cable.



**CP D114093 00003 - CI 2607539
RADIUS LED BT A R1**

Orange flashing warning light with integral antenna - 24V power supply.



**CP P123025 - CI 2600837
BLTA B 00 R02**

Wall mounting bracket for the Radius flashing light.

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711



ARES VELOCE BT B

Sliding gate automation systems



Scan the QR code to view the operator quick guide.



24v



U-Link



EE Link



d-Track



ER Ready



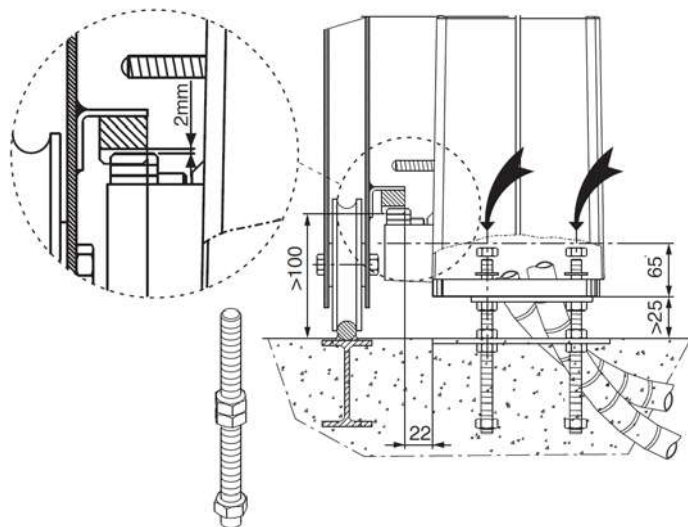
Fast



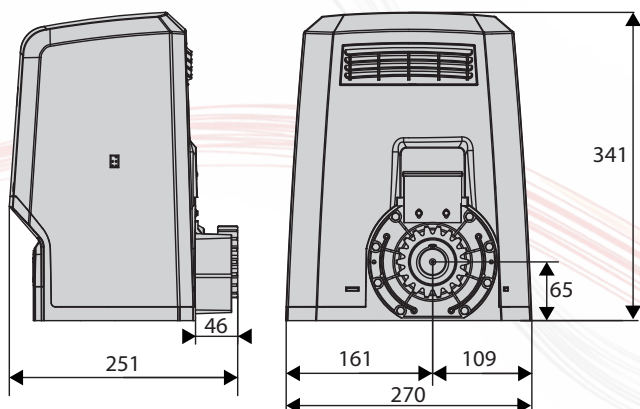
Product Information

24V electromechanical operator with fast operation for sliding gates weighing up to 1000kg. Quick leaf speed of up to 25M/min with magnetic limit switches for quick setting.

Installation Dimensions



Dimensions



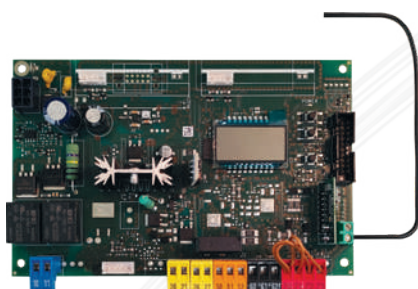
Technical Specification

	ARES VELOCE SMART BT B500	ARES VELOCE SMART BT B1000
Control panel	MERAK BT A	MERAK BT A
Control panel supply voltage	230V	230V
Motor voltage	24V	24V
Power consumption	160W	160W
Max gate weight	500kg (tracked), 250kg (cantilever)	1000kg (tracked), 500kg (cantilever)
Gate panel speed	25M/min	18M/min
Limit switch type	Magnetic	Magnetic
Slowdown	Yes	Yes
Obstacle detection	d-Track	d-Track
Frequency of use	Intensive	Intensive
Protection rating	IP24	IP24
Operating temperature	-20 to 60°C	-20 to 60°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
Ares Veloce Smart BT B500	P926205 00002	2618289	24V fast speed operator for sliding gates weighing up to 500kg with leaf speed of 25M/min and magnetic limit switches.
Ares Veloce Smart BT B1000	P926206 00002	2618290	24V fast speed operator for sliding gates weighing up to 1000kg with leaf speed of 18M/min and magnetic limit switches.

MERAK BT A (integrated)

Integrated Merak BT A control panel for Ares Veloce Smart BT B operators.



- Control panel located at the top of the operator for convenient wiring and set up
- Control board cover for improved protection against pests and the elements
- Improved energy efficiency with standby power < 0.5W
- Removable memory with capacity for 128 transmitters (control panel settings & transmitters can be transferred to a new unit)
- Removable colour coded terminal blocks for easier wiring

Vital Accessories



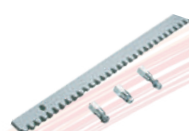
**CP D221073 - CI 2600594
CP RACK**

1M nylon drive rack- max load 600kg.



**CP P111822 - CI 2614334
EBT**

Input and output expansion card.



**CP D571053 - CI 9011069
CVZ RACK**

1M steel drive rack- max load 1000kg.



**CP P125035 - CI 2600845
SL BAT2**

Battery backup unit for the Deimos Ultra BT B600.

Recommended Accessories



**CP P111782 - CI 2601411
COMPACTA A20-180**

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



**CP P111536 - CI 2600813
AKTA A30**

Pair of Akta photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30m. Power supply 24V ac/dc.



**CP D112306 - CI 2614118
MITTO COOL C2**

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP D112318 - CI 2614120
MITTO COOL C4**

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP P121024 - CI 2600834
Q.BO TOUCH**

Wireless digital touch button keypad panel.



**CP D113674 00001 - CI 2600578
CLONIX 2E**

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



**CP D113632 - CI 2600151
AEL 433**

Antenna to improve radio reception range with 4m cable.



**CP D114093 00003 - CI 2607539
RADIUS LED BT A R1**

Orange flashing warning light with integral antenna - 24V power supply.



**CP P123025 - CI 2600837
BLTA B 00 R02**

Wall mounting bracket for the Radius flashing light.

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711



ICARO AC A

Sliding gate automation systems



Scan the QR code to view the operator quick guide.



230v



d-Track



U-Link



ER Ready



Oil Gear



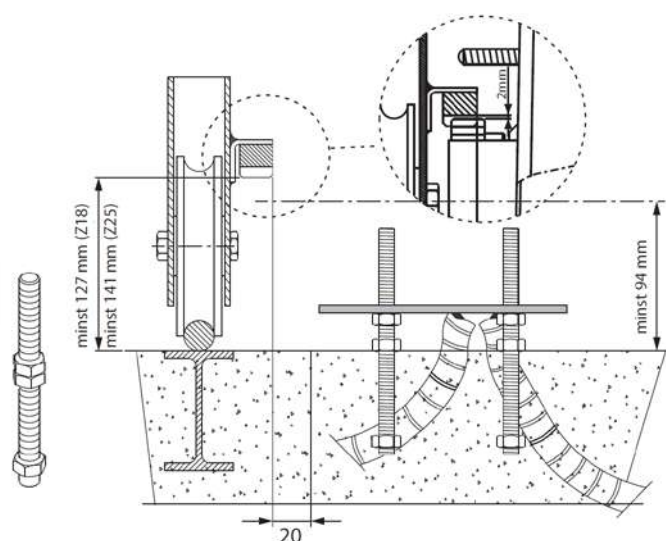
Encoder



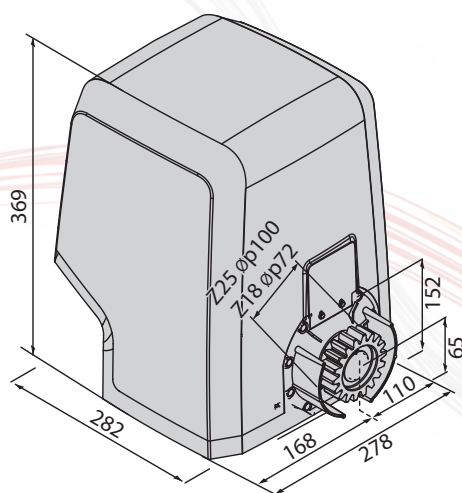
Product Information

The Icaro 230v sliding gate operator range is designed for very intensive use and suitable for gates weighing up to 2000kg. The oil bath gear transmission delivers high performance and reliability. Control of torque via d-Track technology and absolute encoder for safe operation and maximum precision movement. The Icaro Ultra model has a magnetic limit switch and the Icaro Smart is equipped with an electromechanical spring limit switch.

Installation Dimensions



Dimensions



Technical Specification

	ICARO SMART AC A2000	ICARO ULTRA AC A2000
Control panel	LEO B CBB	LEO B CBB
Control panel supply voltage	230V	230V
Motor voltage	230V	230V
Power consumption	750W	750W
Max gate weight	2000kg (tracked), 1000kg (cantilever)	2000kg (tracked), 1000kg (cantilever)
Gate panel speed	9M/min	9M/min
Limit switch type	Electromechanical	Magnetic
Slowdown	Yes	Yes
Obstacle detection	d-Track	d-Track
Frequency of use	Very Intensive	Very Intensive
Protection rating	IP24	IP55
Operating temperature	-20 to 55°C	-20 to 55°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
ICARO SMART AC A2000	P925236 00002	2600853	230 V operator for sliding gates up to 2000 kg. Gate panel speed 9M/min. Electromechanical limit switch.
ICARO ULTRA AC A2000	P925238 00002	2600854	230 V operator for sliding gates up to 2000 kg. Gate panel speed 9M/min. Magnetic limit switch.

LEO B CBB (integrated)

Integrated LEO B CBB control panel for Icaro operators



- Simplified scenario-based programming with LCD display
- Dual channel receiver for personalised operating modes
- D-Track precision torque management for safe operation
- Slowdown during the open and close cycles
- Removable colour coded terminal blocks for easier wiring

Vital Accessories



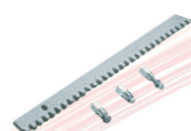
**CP D221073 - CI 2600594
CP RACK**

1M nylon drive rack- max load 600kg.



**CP P125018 - CI 2600843
THEKE B PRA 01**

Metal enclosure for ARES and ICARO series sliding operators.



**CP D571053 - CI 9011069
CVZ RACK**

1M steel drive rack- max load 1000kg.

Recommended Accessories



**CP P111782 - CI 2601411
COMPACTA A20-180**

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



**CP D112306 - CI 2614118
MITTO COOL C2**

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP P121024 - CI 2600834
Q.BO TOUCH**

Wireless digital touch button keypad panel.



**CP D113632 - CI 2600151
AEL 433**

Antenna to improve radio reception range with 4m cable.



**CP P123025 - CI 2600837
BLTA B 00 R02**

Wall mounting bracket for the Radius flashing light.



**CP P111536 - CI 2600813
AKTA A30**

Pair of Akta photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30m. Power supply 24V ac/dc.



**CP D112318 - CI 2614120
MITTO COOL C4**

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP D113674 00001 - CI 2600578
CLONIX 2E**

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



**CP D114093 00002 - CI 2607538
RADIUS LED AC A R1**

Orange flashing warning light with integral antenna - 230V power supply.

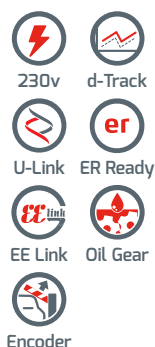


ICARO VELOCE SMART AC A

Sliding gate automation systems



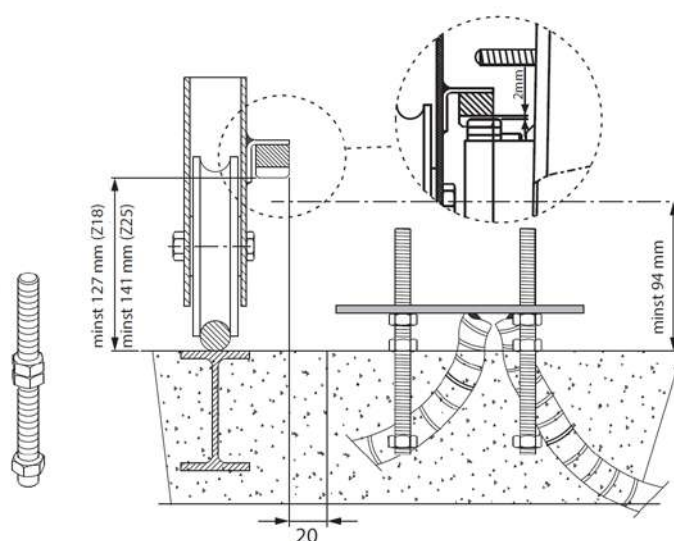
Scan the QR code to view the operator quick guide.



Product Information

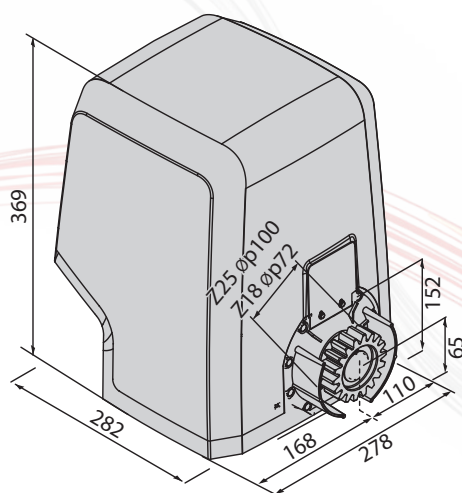
Fast operation 230v sliding gate operator designed for very intensive use and suitable for gates weighing up to 2000kg. The oil bath gear transmission delivers high performance and reliability. Control of torque via d-Track technology and absolute encoder for safe operation and maximum precision movement. The ideal solution for projects requiring fast operating speeds, reduced waiting times and high levels of security.

Installation Dimensions



- Fast operation - AC A1000 = 25M/min, AC A2000 = 18M/min
- Very intensive duty cycle for demanding projects with a large, heavy sliding gate
- Oil batch transmission delivering reliability and high performance

Dimensions



Technical Specification

	ICARO VELOCE SMART AC A1000	ICARO VELOCE SMART AC A2000
Control panel	LEO B CBB	LEO B CBB
Control panel supply voltage	230V	230V
Motor voltage	230V	230V
Power consumption	750W	750W
Max gate weight	1000kg (tracked), 500kg (cantilever)	2000kg (tracked), 1000kg (cantilever)
Gate panel speed	25M/min	18M/min
Limit switch type	Electromechanical	Electromechanical
Slowdown	Yes	Yes
Obstacle detection	d-Track	d-Track
Frequency of use	Very Intensive	Very Intensive
Protection rating	IP24	IP24
Operating temperature	-15 to 55°C	-15 to 55°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
ICARO VELOCE SMART AC A1000	P925256 00002	2601413	Fast operation 230 V operator for sliding gates up to 1000 kg. Gate panel speed 25M/min . Electromechanical limit switch.
ICARO VELOCE SMART AC A2000	P925265 00002	2613179	Fast operation 230 V operator for sliding gates up to 2000 kg. Gate panel speed 18M/min . Electromechanical limit switch.

LEO B CBB (integrated)

Integrated LEO B CBB control panel for Icaro operators



- Simplified scenario-based programming with LCD display
- Dual channel receiver for personalised operating modes
- D-Track precision torque management for safe operation
- Slowdown during the open and close cycles
- Removable colour coded terminal blocks for easier wiring

Vital Accessories



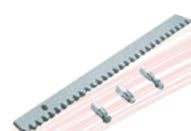
**CP D221073 - CI 2600594
CP RACK**

1M nylon drive rack- max load 600kg.



**CP P125018 - CI 2600843
THEKE B PRA 01**

Metal enclosure for ARES and ICARO series sliding operators.



**CP D571053 - CI 9011069
CVZ RACK**

1M steel drive rack- max load 1000kg.

Recommended Accessories



**CP P111782 - CI 2601411
COMPACTA A20-180**

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



**CP D112306 - CI 2614118
MITTO COOL C2**

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP P121024 - CI 2600834
Q.BO TOUCH**

Wireless digital touch button keypad panel.



**CP D113632 - CI 2600151
AEL 433**

Antenna to improve radio reception range with 4m cable.



**CP P123025 - CI 2600837
BLTA B 00 R02**

Wall mounting bracket for the Radius flashing light.



**CP P111536 - CI 2600813
AKTA A30**

Pair of Akta photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30m. Power supply 24V ac/dc.



**CP D112318 - CI 2614120
MITTO COOL C4**

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



**CP D113674 00001 - CI 2600578
CLONIX 2E**

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



**CP D114093 00002 - CI 2607538
RADIUS LED AC A R1**

Orange flashing warning light with integral antenna - 230V power supply.



OBERON & SP3500

Sliding gate automation systems



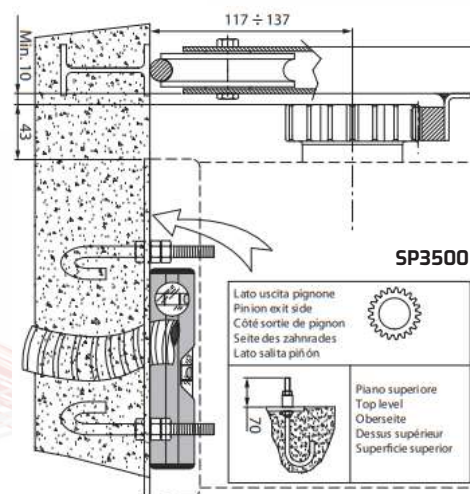
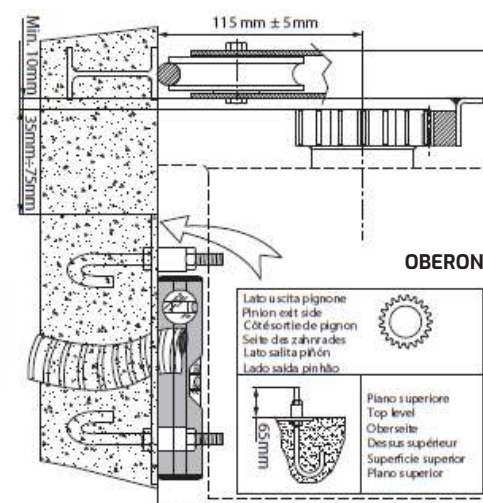
Scan the QR code to view the operator quick guide.



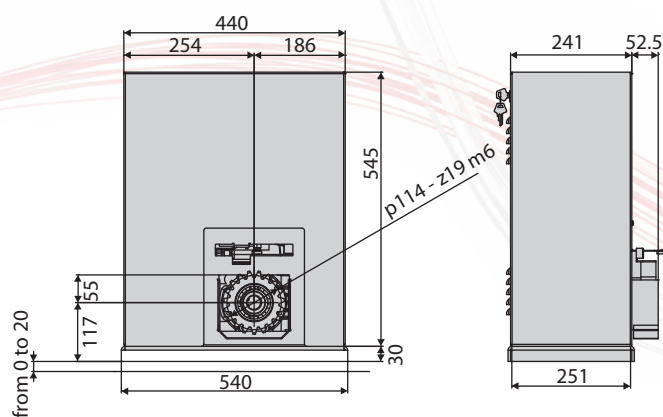
Product Information

The Oberon and SP3500 are powerful 230V or 400V three-phase operators, specifically designed for large sized, heavy gates weighing up to a maximum of 3500kg. The structure of the gear motor, the galvanised steel casing and the on-board control unit make it the ideal solution for very intensive sites where reliability and power are essential.

Installation Dimensions



Dimensions



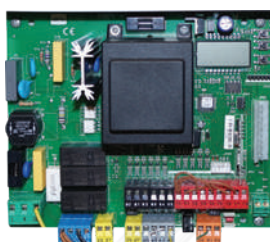
Technical Specification

	OBERON	SP3500
Control panel	SIRIO C BA	SIRIO CBB
Control panel supply voltage	230V	400V
Motor voltage	400V	400V
Power consumption	750W	550W
Max gate weight	2000kg (tracked), 1000kg (cantilever)	3500kg (tracked), 1750kg (cantilever)
Gate panel speed	39M/min opening - 25M/min closing	10M/min
Limit switch type	Electromechanical	Electromechanical
Slowdown	No	No
Frequency of use	Very Intensive	Very Intensive
Protection rating	IP24	IP54
Operating temperature	-10 to 50°C	-15 to 50°C

PRODUCT	BFT CODE	INT. CODE	DESCRIPTION
OBERON	P925218 00002	2611579	Operator with 230V supply inverted up to 400V for sliding gates weighing up to 3500 kg. Very intensive duty cycle.
SP3500 TRI 400	P925207 00001	2600514	Operator with 400V supply for sliding gates weighing up to 3500 kg. Very intensive duty cycle.

SIRIO C BA & CBB

Integrated SIRIO CBB for 230/400V operators.



- Programming and diagnostics with LCD display
- Automatic re-closing
- Removable colour coded terminal blocks for easier wiring

Vital Accessories



CP D571491 - CI 2600074
CFZ6 RACK

2M galvanised steel drive rack - max load 4000kg.

Recommended Accessories



CP P111782 - CI 2601411
COMPACTA A20-180

Pair of Compacta adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.



CP P111536 - CI 2600813
AKTA A30

Pair of Akta photocells adjustable 180° horizontally and 20° vertically. Range 30m. Power supply 24V ac/dc.



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100 m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.



CP D114093 00002 - CI 2607538
RADIUS LED AC A R1

Orange flashing warning light with integral antenna - 230V power supply.



CP P123025 - CI 2600837
BLTA B 00 R02

Wall mounting bracket for the Radius flashing light.



THALIA BT A160

Control panel for 24v swing gate operators



Scan the QR code to view the operator quick guide.



THALIA BT A160

BASIC FEATURES

Panel power supply	230V
Motor power supply	24V
Accessories power supply	24VDC 0.5A
Stand-by power consumption	< 0.5 W
Maximum power output	400 + 400 W
Max. # of remote controls	128*
Programming	DISPLAY

SAFETY INPUTS

Photocell	✓
Safety edge	✓
Resistive edge	✓
Self-test photocell	✓
Self-test safety edge	✓
Stop	✓

CONTROL INPUTS

Start	✓
Open	✓
Open with timer	✓
Close	✓
Pedestrian open	✓
Pedestrian open with timer	✓
Traffic-light control	✓

OUTPUTS

Flashing light	24VDC 1A
Configurable AUX 1	24VDC 1A
Electric lock	12- 24VDC MAGLOCK 15W, CATCH LOCK 30W
Courtesy light	✓

OUTPUTS CONFIGURATION

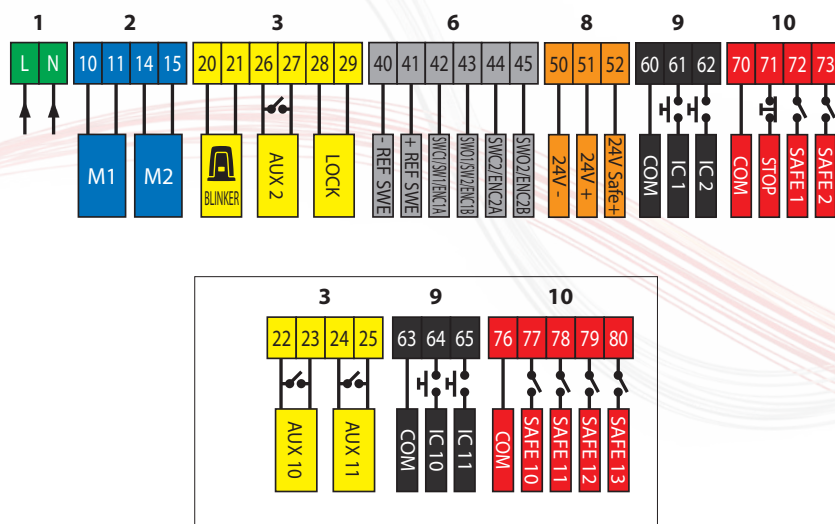
Courtesy light	✓
Zone light	✓
Stairs light	✓
Flashing light	✓
Electric release lock	✓
Electric magnetic lock	✓
Gate status	✓
Gate open warning light	✓
Gate open alarm	✓
Maintenance	✓
Flashing + maintenance	✓

*Optional 2048 remote capability

Product Information

Control panel with LCD display designed for single or dual 24v electromechanical and hydraulic swing gate operators. It has an integral radio receiver and the remote-control memory is removable and expandable. Operator torque is electronically adjusted with d-Track technology for precise power management and safe obstacle detection during gate operation.

Wiring Diagram





RIGEL 6

Universal control panel for 230v swing gate operators



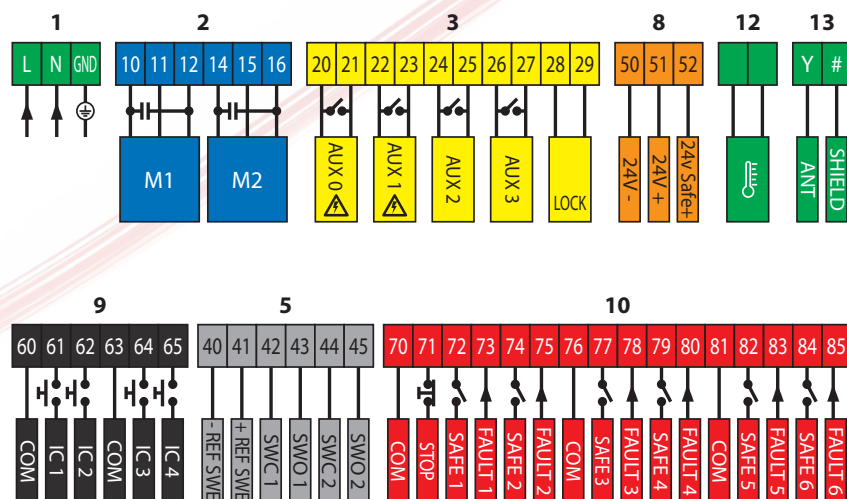
Scan the QR code to view the operator quick guide.



Product Information

Control panel with LCD display designed for single or dual 230v electromechanical and hydraulic swing gate operators. Main features include removable colour coded terminal blocks, electronic torque limiter, electronic deceleration at opening and closing, separate limit switch inputs for each motor, weekly timer and adjustable obstacle sensitivity.

Wiring Diagram



RIGEL 6

BASIC FEATURES	
Panel power supply	230V
Motor power supply	230V
Accessories power supply	24V - 1A
Maximum power output	750W
Max. # of remote controls	63
Programming	DISPLAY
SAFETY INPUTS	
Photocell	✓
Safety edge	✓
Resistive edge	✓
Self-test photocell	✓
Self-test safety edge	✓
Stop	✓
CONTROL INPUTS	
Start	✓
Open	✓
Open with timer	✓
Close	✓
Pedestrian open	✓
Pedestrian open with timer	✓
Traffic-light control	✓
OUTPUTS	
Flashing light	230V - 80W
Configurable AUX 1	✓
Configurable AUX 2	✓
Configurable AUX 3	✓
Solenoid lock or maglock	12V
OUTPUTS CONFIGURATION	
Courtesy light	✓
Zone light	✓
Stairs light	✓
Flashing light	✓
Electric release lock	✓
Electric magnetic lock	✓
Gate status	✓
Gate open warning light	✓
Gate open alarm	✓
Bistable radio channel	✓
Time delay radio channel	✓
Maintenance	✓
Flashing + maintenance	✓

Find out more at www.bftautomationuk.com

Or contact us: UK North office: 0161 456 0456, UK South office: 01488 674 750, Ireland office: +353 1 456 4711

CONTROL PRODUCTS

Control panels



CP D114238 00002 - CI 2618163
Thalia BT A160

Control panel with LCD display for single or dual 24v electromechanical and hydraulic swing gate operators.



CP D223066 - CI 2600596
CPEM

Control panel box for control units. Dimensions 195x237mm depth 100mm.



CP D113833 00002 - CI 2600589
RIGEL 6

Control panel with LCD display for single or dual 230v electromechanical and hydraulic swing gate operators.



CP D223072 - CI 2600545
CPEL

Large control panel box for control units. Dimensions 315x218 mm depth 125mm.

Transmitters & Accessories



CP D112306 - CI 2614118
MITTO COOL C2

Blue 2-channel transmitter with 50/100m range. 3V CR2032 type battery.



CP D112318 - CI 2614120
MITTO COOL C4

Blue 4-channel transmitter with 50/100m range. 3V CR2032 type battery.



CP P121024 - CI 2600834
Q.BO TOUCH

Wireless digital touch button keypad panel.



CP P121028 - CI 2600242
MIME PAD

4-channel wireless wall-mounted radio control switch.



CP D112326 - CI 2614152
MITTO COOL C2 CUSTOMISED

Blue 2-channel transmitter with 50/100m range. 3V CR2032 type battery. Min order qty: 100



CP D112307 - CI 2614117
MITTO STYLE C4

Black 4-channel transmitter with metal keyring loop - 50/100m range. 3V CR2032 type battery.



CP D113674 00001 - CI 2600578
CLONIX 2E

External two-channel 433 MHz rolling code receiver. 128 position memory. 24V power supply.



CP D113632 - CI 2600151
AEL 433

Antenna to improve radio reception range with 4m cable.

SAFETY & SECURITY ACCESSORIES

Photocells

	CP P111782 - CI 2601411 COMPACTA A20-180 Pair of Compacta hardwired adjustable photocells - 180° horizontally. 20m range. Power supply 24V ac/dc.		CP P111536 - CI 2600813 AKTA A30 Pair of Akta hardwired photocells adjustable 180 ° horizontally and 20 ° vertically. Range 30m. Power supply 24V ac/dc.
	CP P111538 - CI 2611353 ACV30 Vandal-proof protective covers for the AKTA photocells.		CP P111526 - CI 2600547 DESME A15 Pair of self-aligning hardwired photocells. Range 30m. Power supply 24V ac/dc.
	CP P903024 - CI 2600847 ACV20 Vandal-proof protective covers for the DESME photocells.		CP P111714 - CI 2600815 THEA A15 Pair of self-aligning hardwired photocells with integrated flashing light. Range 30m. Power supply 24V ac/dc.
	CP P111537 - CI 2600814 ERIS A30 Pair of wireless photocells with adjustable lens offering wide coverage. Range 30m. Power supply 24V ac/dc.		CP P111043 00002 - CI 2611214 FL130B Pair of hard wired photocells. Range 30m. Power supply 24V ac/dc.
	CP P111812 - CI 2613388 MURA A30 Pair of recessed hardwired photocells. Range 30m. Power supply 24V ac/dc.		CP P903028 - CI 2600992 PHP A Photocell posts for the Compacta, Desme, Thea, Eris & Akta photocells.

Flashing Lights

	CP D114093 00003 - CI 2607539 RADIUS LED BT A R1 Orange flashing warning light with integral antenna - 24V power supply.		CP D114094 00003 - CI 2607541 RADIUS LED BT A R0 Orange flashing warning light - 24V power supply.
	CP D114093 00002 - CI 2607538 RADIUS LED AC A R1 Orange flashing warning light with integral antenna - 230V power supply.		CP D114094 00002 - CI 2607540 RADIUS LED AC A R0 Orange flashing warning light - 230V power supply.
	CP P123025 - CI 2600837 BLTA B 00 R02 Wall mounting bracket for the Radius flashing light.		

Electric Locks

	CP P123032 00003 - CI 2613518 EBP BT A 24V 24V vertical electric lock.		CP P123032 00001 - CI 2613516 EBP AC A 230V 230V vertical electric lock.
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We proudly collaborate with the following third-party suppliers

BFT stocks a wide range of complementary third-party products from trusted manufacturers. By offering these high-quality accessories - from safety edges to intercom systems - we make it simple for you to source everything you need for a complete, reliable automation project.

Every partner we work with is selected for their expertise, proven product performance, and strong reputation within the industry. By bringing these specialist brands together under one roof, we make it easy for you to access a broader set of solutions through a single, convenient

supplier. These relationships allow us to combine the strength of BFT engineering with carefully curated, industry-leading products, helping you deliver installations that are safe, durable, and tailored to your customers' needs.

Our supplier portfolio includes:

AES Global	ASO Safety Solutions	BEA	CDVI
We stock a variety of AES access control products, including audio and video intercom systems, plus additional handsets and monitors to support both residential and commercial installations.	Our range includes ASO safety accessories such as rubber safety edges in multiple sizes, as well as the necessary connectors and relays to complete your setup.	BEA laser sensor products are available and suitable for both gate and barrier applications. We also carry a selection of compatible accessories to support a wide variety of safety and automation requirements.	Our CDVI range features magnetic lock systems, brackets, and other accessories designed to suit numerous installation types and ensure reliable access control.
Combiariadlo	Locinox	Procon Electronics	Videx
We offer Combiariadlo hardware for both cantilever and swing gates. This includes hinges, guide brackets, spacers, rollers, end cups, and cantilever track - everything needed for smooth and durable gate movement.	Locinox electromechanical locking systems are available with associated power accessories, giving installers dependable and secure locking options.	Our Procon selection includes single- and dual-channel loop detectors, loop cables, and a variety of complementary accessories for traffic control applications.	We carry a full range of Videx audio and video intercoms, along with keypads, antennas, transformers, proximity fobs, back boxes, and other supporting accessories.





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