



# GATE AUTOMATION

Swinging and sliding gate automation systems



Be ahead

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Be ahead



## E5 BT A

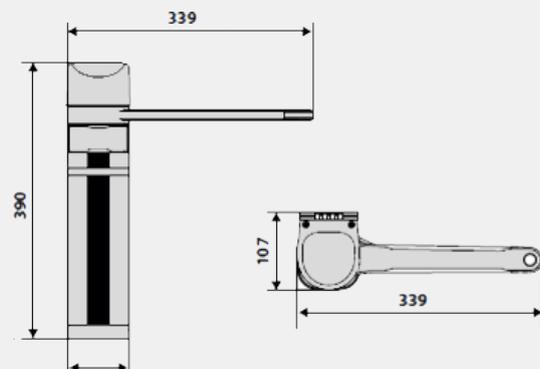
### Compact electromechanical automation for swing gates

The E5 BT A is an extremely compact non-locking 24V electromechanical operator with articulated arm for pedestrian swing gates, suitable for residential and commercial areas. The compact dimensions allow the E5 BT A to be installed on small pillars and columns.

The sliding arm option allows the operator to be installed in tight spaces when there are walls or obstacles near the operator and the limit switch operation is managed by the absolute encoder. Built-in safety features include the d-track torque management system, which determines the precise position and force needed to move the gate. The operator has an internal clutch and the new articulated and sliding arms have an anti-shearing system.



-  ER Ready
-  U-Link
-  24v
-  EE Link
-  d-Track



#### SPECIFICATIONS

	E5 BT A12	E5 BT A18
Power supply	24v	24v
Gate leaf length	1.2m	1.8m
Max Leaf	80kg	100kg
Max opening angle	130°	130°
Control panel	THALIA	THALIA
Cycle time through 90°	4.5 to 6.5 sec	14 sec
Impact reaction	mechanical clutch	mechanical clutch
Lock required	yes	yes



# VIRGO SMART BT A20

## Electromechanical automation for swing gates

The Virgo Smart BT A is a 230v gate operator suitable for a range of different environments and has been designed to be installed easily. The articulated arm, with optional sliding arm, is one of the most adaptable swing gate operators in the Virgo product family.

It is possible to install on pillars up to 235mm deep or with limited lateral space, using the articulated arm and sliding arm. The Thalia control panel is mounted in a raised position for easier programming and there are a wide-ranging set of features available for a customised installation. The Virgo Smart is U-Link compatible.



EE Link



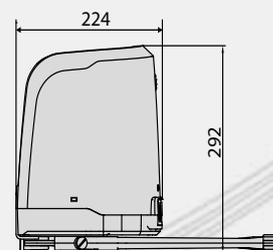
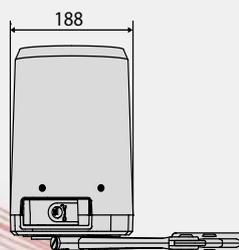
24v



ER Ready



U-Link



### SPECIFICATIONS

#### VIRGO SMART BT A20

Power supply	24v
Gate leaf length	2m
Max leaf	200kg
Control panel	THALIA
Maximum angle	120°
Cycle time	14 secs
Impact reaction	Electronic torque limiter
Frequency of use	Semi intensive



# IGEA

## Electromechanical automation for swing gates

The Igea electromechanical operator is available in 230v and 24v versions. They are designed for residential use and are suitable for swing gate leaves of up to 2.5 metres and weighing up to a maximum of 250 kg. They are ideal for installation on large-size pillars as the articulated levers allow opening up to 125°.



EE Link



24v



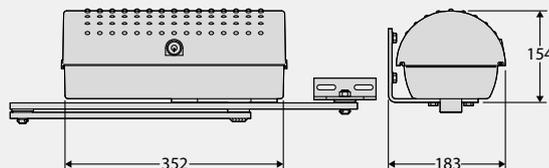
ER Ready



d-Track



U-Link



### SPECIFICATIONS

	<b>IGEA BT</b>	<b>IGEA</b>
Power supply	24v	230v
Gate leaf length	2 m/ 2.5m	2 m/ 2.5m
Max Leaf	250kg/ 200kg	250 kg/ 200 kg
Control panel	THALIA L	RIGEL6
Cycle time	15 sec	15 sec
Impact reaction	d-track	electric clutch
Frequency of use	intensive	intensive



# PHOBOS

## Electromechanical automation for swing gates

The Phobos range of operators are available in 230v and 24v. They are electromechanical swing gate operators equipped with a worm-drive and designed for residential use. The operators are suitable for swing gate leaves from 1.8m to 5 metres wide and weighing up to 500kg. The low voltage versions of the operator have built-in obstacle detection through the D-Track torque management system.



EE Link



Rolling Code



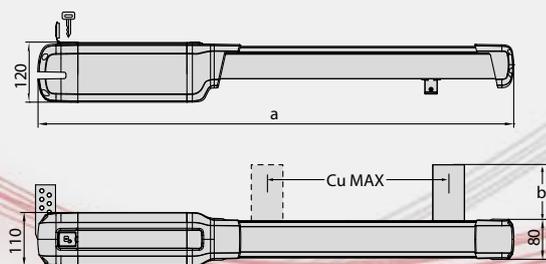
24v



ER Ready



d-Track



	a	b	Cu MAX
Phobos BT A25 - Phobos AC A25	850	72,5	290
Phobos BT A40 - Phobos AC A40	960	108	400

### SPECIFICATIONS

	PHOBOS AC A25	PHOBOS AC A50	PHOBOS BT A25	PHOBOS BT A40
Power supply	230v	230v	24v	24v
Gate leaf length	1.8m (self locking) 2.5m (electric lock)	3m (self locking) 5m (electric lock)	2m (self locking) 2.5m (electric lock)	3m (self locking) 4m (electric lock)
Max Leaf	400kg	500kg	400kg	500kg
Control panel	RIGEL6	RIGEL6	THALIA L	THALIA L
Cycle time	14 sec	18 sec	15 sec	20 sec
Impact reaction	electric clutch	electric clutch	d-track	d-track
Frequency of use	semi-intensive	semi-intensive	intensive	intensive



# KUSTOS ULTRA BT A

## Electromechanical automation for swing gates

The Kustos Ultra is a 24v electromechanical operator equipped with a worm-drive, designed for single residences or apartment buildings. There are two models available, the A25 and A40. The A25 model is suitable for leaves up to 2.5 metres and up to 400kg and the A40 model is suitable for 4 metres wide and up to 500kg. The Kustos Ultra is designed to be installed quickly and easily with a number of important features including a covered worm-drive, integrated stops, magnetic limit switches and a magnetic locking pin.



EE Link



Rolling Code



24v



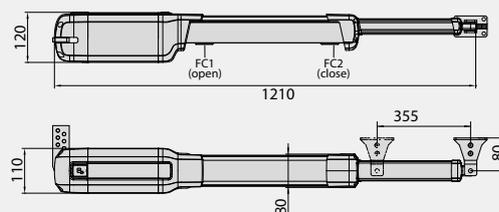
ER Ready



d-Track



U-Link



### SPECIFICATIONS

	KUSTOS ULTRA BT A25	KUSTOS ULTRA BT A40
Power supply	24v	24v
Gate leaf length	2.5m	3m self locking 4m (electric lock)
Max leaf weight	400kg	500kg
Control panel	THALIA	THALIA
Cycle time	13 sec	17 sec
Impact reaction	d-track	d-track
Frequency of use	intensive	intensive



# ORO

## Hydraulic automation for swing gates

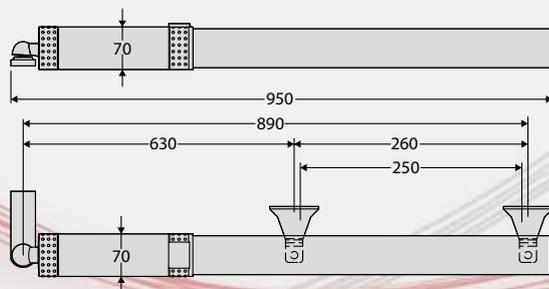
The Oro is a compact 230v hydraulic operator for semi-intensive usage. It is designed for private residences and small apartment blocks. It is capable of automating swing gate leaves up to 1.8 metres wide and weighing up to 180kg. The operator locks in closed position only.



EE Link



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### SPECIFICATIONS

	<b>ORO</b>
Power supply	230v
Gate leaf length	1.8m
Max Leaf	180kg
Control panel	RIGEL6
Cycle time	20 sec
Impact reaction	hydraulic clutch
Frequency of use	semi-intensive



# LUX

## Hydraulic automation for swing gates

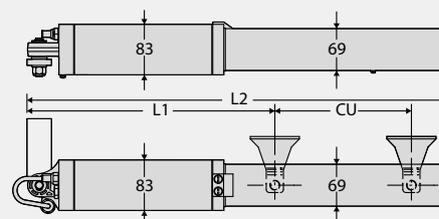
The Lux range of operators are 230v hydraulic swing gate motors designed for very intensive use. They are suitable for almost any type of residential, industrial or multi-residence environment. The range of Lux models are capable of automating swing gate leaves from 2m to 3.5m. The operators are available with slowdown and both locking and non-locking versions.



EE Link



ER Ready



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

### SPECIFICATIONS

	LUX 2B	LUX FC 2B	LUX R 2B	LUX GVS*	LUX GV 2B
Power supply	230v	230v	230v	230v	230v
Gate leaf length	2m	2m	2m	3.5m	3.5m
Max leaf	300 kg	300kg	300kg	300kg	300kg
Control panel	RIGEL6	RIGEL6	RIGEL6	RIGEL6	RIGEL6
Cycle time	17 sec	17 sec	16 sec + slowdown	28 sec	28 sec
Impact reaction	hydraulic clutch	hydraulic clutch	hydraulic clutch	hydraulic clutch	hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive

\* Same model available with slowdown in the closing phase only, LUX GV R. Both the Lux GVS and Lux GVR require some form of electric lock.



# GIUNO ULTRA BT A

## Hydraulic automation for swing gates

The Giuno Ultra is a 24v hydraulic swing gate operator built for intensive use. There are two models available, the A20 and A50. The A20 model is suitable for leaves up to 2 metres and up to 300kg and the A50 model is suitable for 5 metres\* wide and up to 800kg\*. This swing gate opener is suited to industrial and residential use as well as multi-resident sites. The Giuno has built-in obstacle detection through the exclusive D-Track torque management system.



EE Link



24v



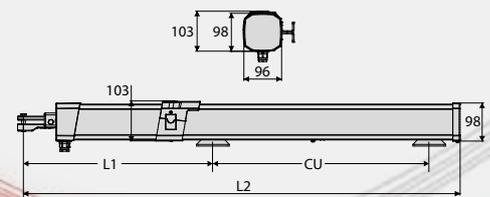
ER Ready



d-Track



U-Link



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

### SPECIFICATIONS

	GIUNO ULTRA BT A20	GIUNO ULTRA BT A50
Power supply	24v	24v
Gate leaf length	2m	2m/ 5m*
Max leaf	300kg	800kg/ 300kg*
Control panel	THALIA P	THALIA P
Cycle time	14 sec	20 sec
Impact reaction	d-track	d-track
Frequency of use	very intensive	very intensive

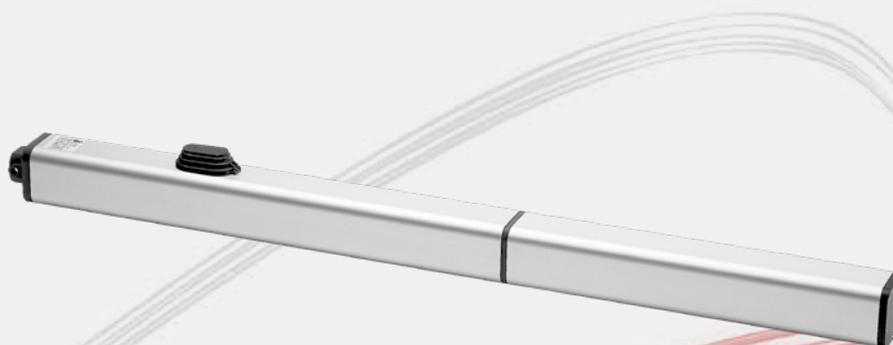
\*Although the Giuno Ultra BT A50 supports a maximum leaf length of 5m and maximum gate weight of 800kgs, please be aware that at 800kg, the maximum leaf length is 2m. On a 5m gate leaf, the maximum gate weight is 300kgs. Please refer to the instruction manual for more information.



## P4.5/ P7

### Hydraulic automation for swing gates

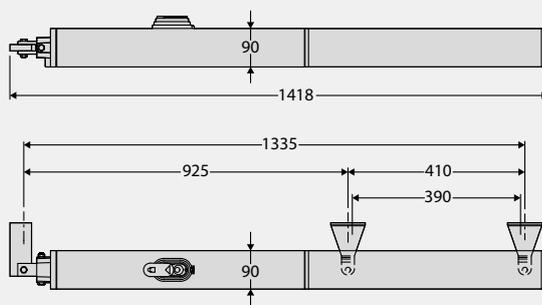
The P-Series operator is a 230v hydraulic operator suitable for industrial and commercial use. There are two models available the P4.5 and P7. The P4.5 can automate swing gate leafs up to 4.5m wide and weighing up to 500kg. The P7 can automate swing gate leafs up to 7m wide and weighing up to 500kg. The smooth, silent movements are controlled by the extremely high-performance hydraulic system and the closing slowdown. The bypass valve system provides precise traction and torque control.



EE Link



ER Ready



#### SPECIFICATIONS

	<b>P4.5</b>	<b>P7</b>
Power supply	230v	230v
Gate leaf length	4.5m	7m
Max Leaf	500kg	500kg
Control panel	RIGEL6	RIGEL6
Cycle time	28 sec + slowdown	42 sec + slowdown
Impact reaction	hydraulic clutch	hydraulic clutch
Frequency of use	very intensive	very intensive
Lock required	yes	yes



# ELI

## Electromechanical automation for swing gates

The ELI is available in a range of 230v and 24v electromechanical underground operators which are suitable for intensive usage. They are designed for private residences and small apartment blocks. The motors are suitable for gate leaf lengths between 2m and 4m, weighing up to a maximum of 500kg. The ELI models are equipped with physical stops in both directions and as standard can operate gates up to 120°.

The ELI is available in standard or fast versions and can also provide 180° operation by means of a chain kit. The low voltage operators are equipped with built-in obstacle detection through the exclusive D-Track torque management system.



EE Link



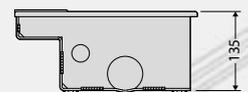
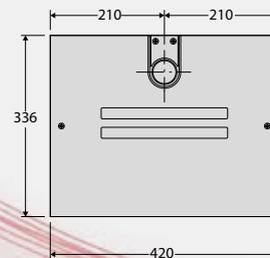
ER Ready



d-Track



U-Link



### SPECIFICATIONS

	<b>ELI AC A35 V</b>	<b>ELI AC A40</b>	<b>ELI BT A35 V</b>	<b>ELI BT A40</b>
Power supply	230v	230v	24v	24v
Gate leaf length	3.5m	4m	3.5m	4m
Max Leaf	200kg	500kg	200kg	500kg
Control panel	RIGEL6	RIGEL6	THALIA L	THALIA L
Cycle time 90°	11 sec	13 sec	11 sec	14 sec
Impact reaction	electronic clutch	electronic clutch	d-track	d-track
Frequency of use	intensive	intensive	intensive	intensive



# SUB

## Hydraulic automation for swing gates

The Sub range of 230v underground hydraulic operators are for very intensive use. They are suitable for any most types of residential, industrial or multi-residence environments. The Sub range are capable of automating swing gate leaves between 1.8m and 3.5m wide, weighing up to a maximum 800 kg. The Sub operators are available with slowdown and both locking and non-locking versions.

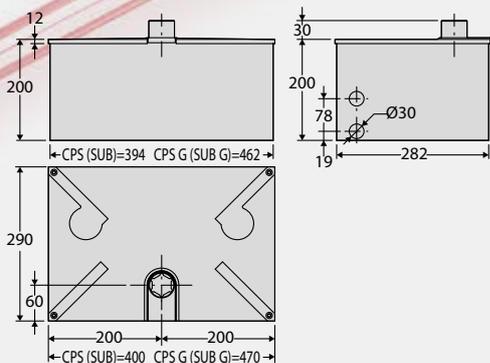


EE Link

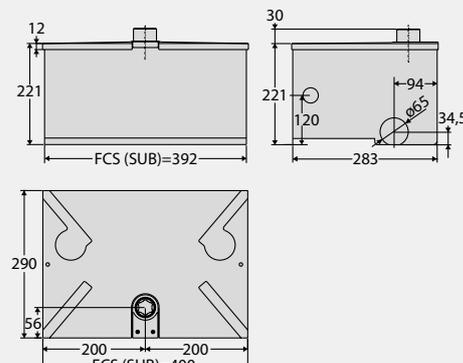


ER Ready

180° foundation box



Standard foundation box



### SPECIFICATIONS

	SUB R	SUB	SUB ER	SUB EL	SUB E	SUB G/ SUB GR
Power supply	230v	230v	230v	230v	230v	230v
Gate leaf length	1.8m	1.8m	2.5m	3.5m	2.5m	1.8m/ 2m
Max Leaf	800kg	800kg	800kg	800kg	800kg	800kg
Control panel	RIGEL6	RIGEL6	RIGEL6	RIGEL6	RIGEL6	RIGEL6
Cycle time (through 90°)	14 sec +slowdown	24 sec	14 sec +slowdown	33 sec	24 sec	33 sec/ 15 sec
Impact reaction	hydraulic clutch	hydraulic clutch	hydraulic clutch	hydraulic clutch	hydraulic clutch	hydraulic clutch
Frequency of use	very intensive	very intensive	very intensive	very intensive	very intensive	very intensive
Lock required			electric lock required	electric lock required	electric lock required	



# SUB BT

## Hydraulic automation for swing gates

The Sub BT is a 24v hydraulic operator for very intensive use, suitable for any type of residential, industrial or multi-residence application. Compact and sturdy, they can automate swing gate leaves up to 2.5m wide and weighing up to 800kg. They are fitted with mechanical stops, a virtual encoder and built-in obstacle detection through the exclusive D-Track torque management system.



EE Link



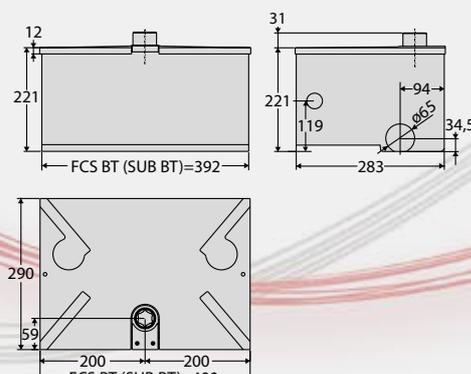
ER Ready



d-Track



U-Link



### SPECIFICATIONS

	<b>SUB BT</b>
Power supply	24v
Gate leaf length	2m (self-locking) 2.5m (electric lock required)
Max Leaf	800kg
Control panel	THALIA P
Cycle time	9° per sec
Impact reaction	d-track
Frequency of use	very intensive



## DEIMOS BT A

### Sliding gate automation systems

The Deimos is a 24v sliding gate operator are designed for residential use. The Deimos is suitable for gates weighing a maximum of 600kg and have a leaf speed up to 9 m/min. The operator has a magnetic limit switch and is equipped with the D-Track obstacle detection system. The control board is U-Link compatible.



EE Link



24v



ER Ready



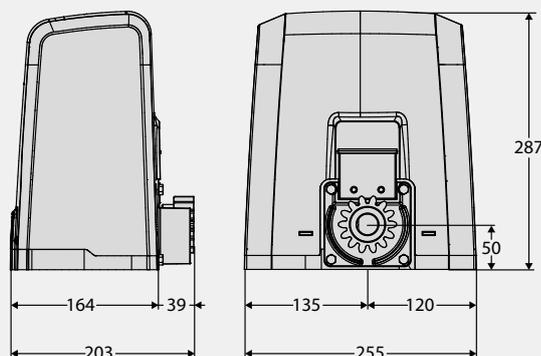
d-Track



U-Link



Silentech



#### SPECIFICATIONS

	DEIMOS BT A400	DEIMOS ULTRA BT A600
Power supply	24v	24v
Max leaf	400kg	600kg
Control panel	HAMAL SL1	MERAK SL2
Gate speed	9 m/min	12 m/min
Impact reaction	d-track	d-track
Frequency of use	intensive	intensive



## ARES ULTRA BT A

### Sliding gate automation systems

The Ares Ultra is a 24v sliding gate operator range designed for intensive use. It is suitable for gates weighing up to 1500kg and has a leaf speed up to 9 m/min. The Ares Ultra has a magnetic limit switch and built-in obstacle detection through the D-Track system. The control board is U-link compatible.



EE Link



24v



ER Ready



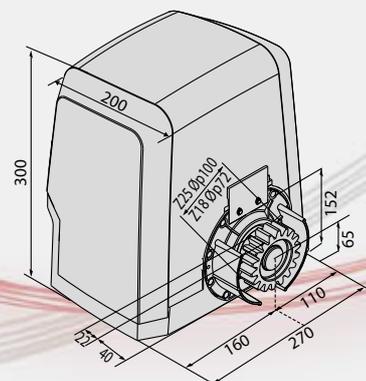
d-Track



U-Link



Silentech



#### SPECIFICATIONS

	ARES ULTRA BT A1000	ARES ULTRA BT A1500
Power supply	24v	24v
Max Leaf	1000kg	1500kg
Control panel	MERAK-ARES	MERAK-ARES
Gate speed	9 m/min	9 m/min
Impact reaction	d-track	d-track
Frequency of use	intensive	intensive



## ARES VELOCE BT A

### Fast sliding gate automation systems

The Ares Veloce is a 24v fast sliding gate operator designed for very intensive use. There are two operators in the range, the Ares BT A500 for sliding gates weighing up to a maximum of 500 kg with a maximum speed of 25 m/min and the Ares BT A1000 suitable for sliding gates weighing up to a maximum of 1000 kg with a maximum speed of 18 m/min. The Ares Veloce has D-Track technology for built-in obstacle detection and torque control. The operator has an electromechanical limit switch and the control panel is U-Link compatible. The Ares Veloce is ideal for situations which require fast operating speeds to reduce waiting times and improve security.



Fast



EE Link



24v



ER Ready

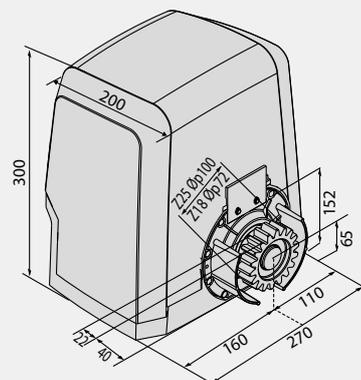


d-Track



U-Link

# VELOCE



#### SPECIFICATIONS

	ARES VELOCE BT A500	ARES VELOCE BT A1000
Control unit	MERAK SV	MERAK SV
Power consumption	400W	400W
Motor supply	24V	24V
Speed	25m/min	18m/min
Max. leaf weight	500kg	1000kg
Max. torque	20Nm	20Nm
Locking	Mechanical	Mechanical
Type of use	Intensive	Intensive
Protection rating	IP24	IP24
Temperature range	-20°C to 55°C	-20°C to 55°C



## ICARO

### Sliding gate automation systems

The Icaro 230v sliding gate operator range is designed for very intensive useage. It is suitable for gates weighing up to 2000kg. The gear unit is in an oil bath which allows high performance. It comes equipped with built-in obstacle detection through the D-Track torque management system and has an encoder for more precise movement. The Icaro Ultra has a magnetic limit switch, the Icaro Smart is equipped with an electromechanical spring limit switch. The control panel is U-link compatible.



EE Link



ER Ready



d-Track



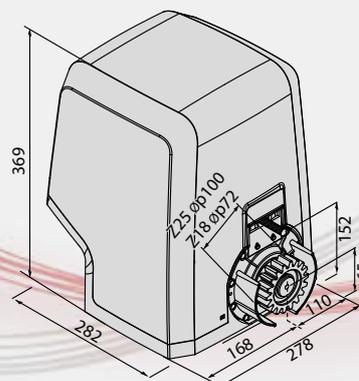
Oil Gear



U-Link



Encoder



#### SPECIFICATIONS

	ICARO SMART AC A	ICARO ULTRA AC A
Power supply	230v	230v
Max Leaf	2000kg	2000kg
Control panel	Leo B CBB	Leo B CBB
Gate speed	9 m/min	9 m/min
Impact reaction	d-track	d-track
Frequency of use	very intensive	very intensive
Type of limit switch	electromechanical spring switch	magnetic

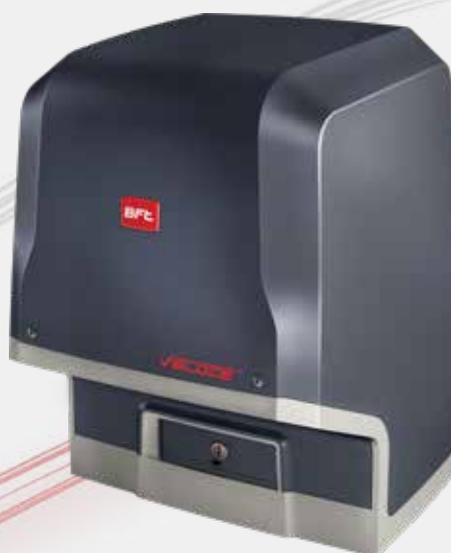


## ICARO VELOCE AC A

### Fast sliding gate automation systems

The Icaro Veloce is a 230v fast sliding gate operator designed for very intensive use. There are two operators in the range, the Icaro Veloce AC A1000 for sliding gates weighing up to a maximum of 1000 kg with a maximum speed of 25 m/min and the Icaro Veloce AC A2000 suitable for sliding gates weighing up to a maximum of 2000 kg with a maximum speed of 18 m/min.

The Icaro Veloce has an oil bath transmission to support the extremely robust high-performance. It has D-Track technology for built-in obstacle detection with torque control and an absolute encoder for precision movement. The control panel is U-Link compatible and has a tamper-proof function. The operator is equipped with an electromagnetic limit switch. The Icaro Veloce is ideal for situations which require fast operating speeds to reduce waiting times and improve security.



Fast



230v



d-Track



Oil Gear

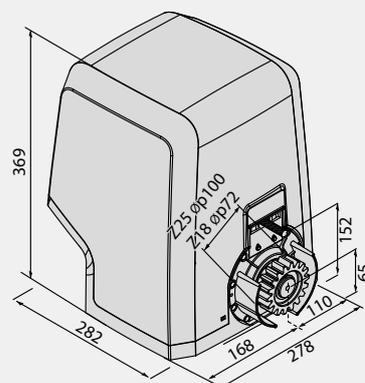


U-Link



Encoder

# VELOCE



#### SPECIFICATIONS

	ICARO VELOCE BT A1000	ICARO VELOCE BT A2000
Control unit	LEO CBB LO2	LEO CBB LO2
Power consumption	750W	750W
Motor supply	230V	230V
Speed	25m/min	18m/min
Max. leaf weight	1000kg	2000kg
Max. torque	40Nm	40Nm
Locking	Mechanical	Mechanical
Type of use	Very intensive	Very intensive
Protection rating	IP24	IP24
Temperature range	-15°C to 55°C	-15°C to 55°C



## OBERON & SP3500

### Sliding gate automation systems

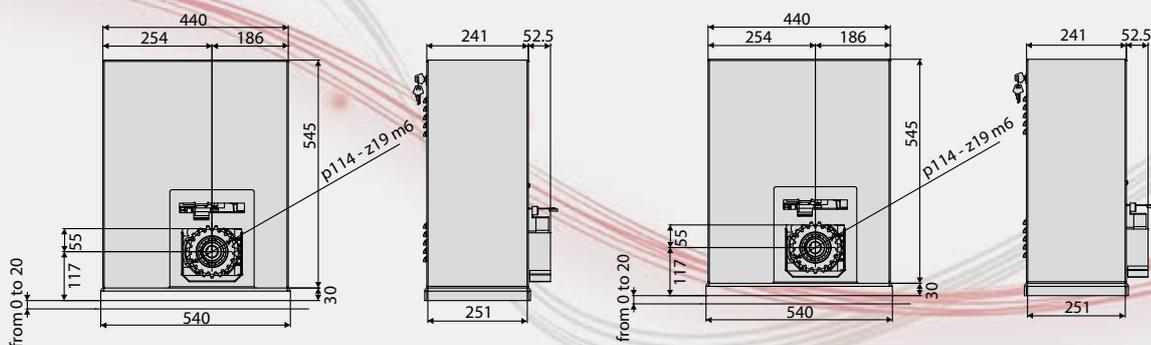
The Oberon and SP3500 are powerful 230v three-phase operators, inverted up to 400v. They are specially designed for large and heavy gates weighing up to a maximum of 3500kg. The structure of the gear motor, the galvanised steel casing and the on-board control unit make it the ideal solution for very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



ER Ready



U-Link



#### SPECIFICATIONS

	OBERON	SP3500
Power supply	230v inverted up to 400v	400v 3-phase
Max Leaf	2000kg	3500kg
Control panel	SIRIO C BA	SIRIO CBB 400
Gate speed	opening 39 m/min max (adjustable) closing 25 m/min max (adjustable)	10.5 m/min
Impact reaction	electromechanical brake and clutch	mechanical clutch
Frequency of use	very intensive	very intensive



## RIGEL 6

Universal control panel with LCD display for swing operators



EE Link



ER Ready



U-Link



Rigel 6 is a 230v control panel designed for electromechanical and hydraulic swing gate operators. The control board can manage one or two swing gate leaves. The Rigel 6 is U-Link compatible and has coloured coded terminal blocks for easier installation.



## THALIA L/ THALIA P

Universal control panels with LCD display for swing operators



U-Link



d-Track



24v



The Thalia P is a 24v control panel designed for electromechanical and hydraulic swing gate operators. The control board can manage one or two swing gate leaves. The Thalia P has built-in obstacle detection through the exclusive D-Track torque management system. It is U-Link compatible and has coloured coded terminal blocks for easier installation. The Thalia P is suitable for use with maglocks. The Thalia L is not suitable for use with maglocks and requires an additional power supply unit and relay.



# U-LINK

## The innovative technology that gives you new power

**U-Link.** Universal Link is an exclusive Bft platform for creating wireless interconnected systems for control units and receivers

- **U-Control:** a system developed by Bft Automation to control home automation via smartphone or tablet. The application links with Bft U-link products.
- **U-Base 2:** a software program created to monitor the operation of an interconnected automation system via U-Link. It simplifies the management allowing the automation settings to be remotely monitored.
- **U-SDK:** a program which allows Bft products to communicate with Building Management Systems (BMS) via the U-Link platform. With an extremely simple syntax, this software translates external commands into the U-Link language.

# New power in *your* hands.



## B-eba expansion cards

B-eba expansion cards plug into U-Link compatible Bft control panels. They enable the user to connect external devices, such as PCs, smartphones and tablets via software and apps. The B-eba cards can connect via Wi-Fi, Bluetooth, TCP/ IP or a RS485 serial connection.



## Clonix U-Link receiver

An external two-channel receiver providing a connecting slot for a Blue-Entry B-eba card. The Clonix receiver wires into Bft control panels not equipped with U-Link and control panels by other brands. This allows gates to be opened via a smartphone.



#### North Office

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Be ahead