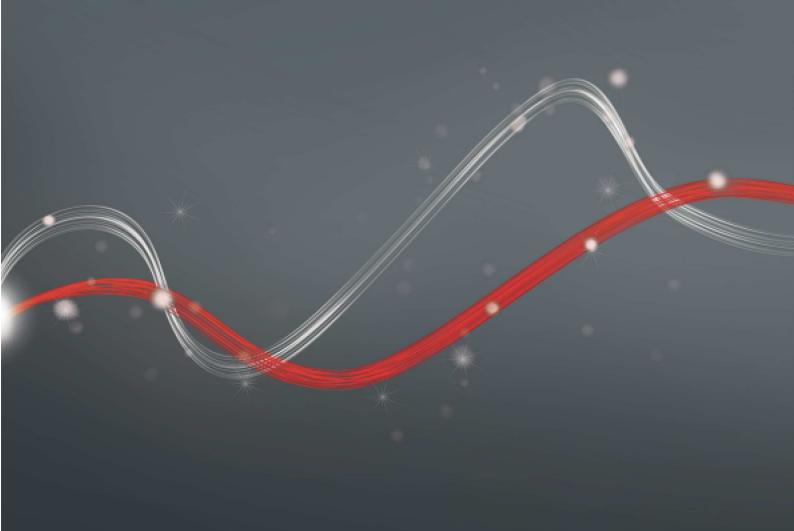




ARES BT A







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ARES BT A



Sliding gate automation systems



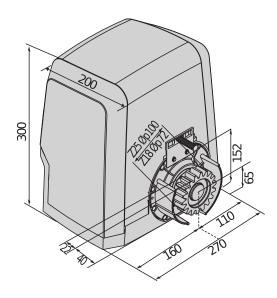












24 V operator for sliding gates weighing up to 1,500 kg, for intensive use. Maximum panel speed up to 12m/min. Torque control thanks to D-Track technology. Electromechanical limit switch. Control unit with trimmer and dip-switch. Residential and commercial use.

Relevant features



Release lever with personalised key: the release lever simplifies motor release and the personalized key ensures its uniqueness, for better safety



Front screws: this arrangement of the casing screws offers ease and convenience during installation and maintenance, even when there is limited space.







ARES BT A

Code	<u>Ci</u>	Name	Description
P926190 00002	2611657	ARES BT A1000 V	Operator 24 V for sliding gates up to 500 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P926188 00002	2611654	ARES BT A1500 V	Operator 24 V for sliding gates up to 750 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P926189 00002	2600856	ARES BT A1000	Operator 24 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P926189 00001	2611655	ARES BT A 1000 120	Operator 24 V for sliding gates up to 1000 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit. Unit power supply 120V.
P926187 00002	2611652	ARES BT A1500	Operator 24 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P926187 00001	2611651	ARES BT A 1500 120	Operator 24 V for sliding gates up to 1500 kg in weight. Leaf speed 9 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit. Unit power supply 120V.

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

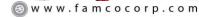
HAMAL ARES - Cp 1700034 10001 - Ci 2610708 - Built-in - (Spare part code, available for order through the Technical Support network)



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

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

	ARES BT A 1000 120	ARES BT A1500	ARES BT A 1500 120
Control unit	HAMAL	HAMAL	HAMAL
Board power supply	120 V	230 V	120 V
Motor voltage	24 V	24 V	24 V
Power consumption	240 W	400 W	400 W
Max. door/gate weight	1000 kg	1500 kg	1500 kg
Gate panel speed	9 m/min	9 m/min	9 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical



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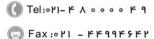




	ARES BT A 1000 120	ARES BT A1500	ARES BT A 1500 120
Pinion module	4	4	4
Slowdown	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical
Release	Knob operated with personal key	Knob operated with personal key	Knob operated with personal key
Impact reaction	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 ℃	-20 ÷ 55 °C	-20 ÷ 55 °C





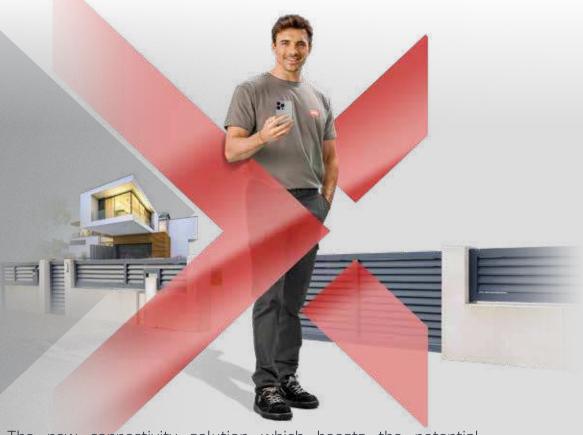






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EASY CONNECT. EASY ACCESS.



The new connectivity solution which boosts the potential of BFT products and services to make access automations smarter and easier to use for both installers and end users.



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BFT SOLUTIONS

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تهران ، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج) روبــروی پالایشگاه نفت پـارس ، پـاک ۱۲

WITH A SMART SOLUTION FOR ACCESSING THEIR

HOMES

Somfy TaHoma





EASY TO CONNECT

WIFI MODULE

+ ANTENNA

WIFI MODULE







MOBILE MODULE + ANTENNA + SIM























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AN UPDATED VERSION OF U-LINK TO GIVE YOU EVEN MORE FUNCTIONALITY



Scalable

You can add as many devices as you want



Intuitive

Easy to install and to use



Functional

Settings can be controlled and firmware updated remotely using dedicated applications



Practical

Works with or without an internet connection



Flexible

It allows you to create groups of interconnected products

U-Link, the exclusive **BFT** technology platform has evolved to offer improved interaction with the latest generation of technological ecosystems. Its ability to interface with all home access automation access devices has been expanded, meaning it is now a very useful tool for installers. It is also a faster communication protocol with increased security for communicating information.

It allows you to save even more time, checking everything very easily and giving you even more peace of mind.







A NEW AND EVEN **MORE SECURE** RADIO PROTOCOL



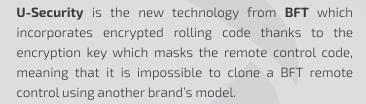
Secure

By transmitting data protected by a cryptographic key



Easy

Pairing a remote control with a receiver can be done easily by scanning the QR code and using the dedicated app



The functions of the **Er Ready** system are incorporated and a new procedure is also available for programming remote controls by scanning a QR CODE and using a special app. All products featuring this technology are REPLAY, so they can transmit the code to another BFT remote control using a combination of keys.



Universal

The radio protocol is also compatible with the previous generation of receivers

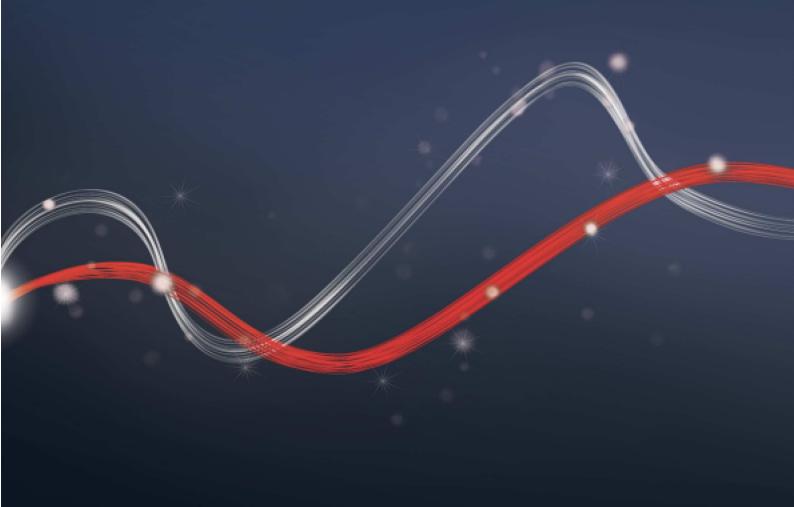
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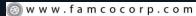




ACCESS AUTOMATION

DEIMOS BT A





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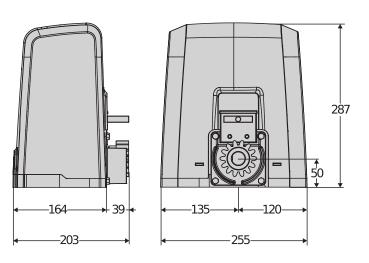




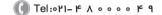








24 V operator for sliding gates weighing up to 600 kg, for intensive use. Maximum panel speed up to 16m/min. Torque control thanks to D-Track technology. Electromechanical limit switch. Control unit with trimmer and dip-switch. Residential use.







DEIMOS BT A

Code	<u>Ci</u>	Name	Description
P925222 00002	2611583	DEIMOS BT A400	Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925222 00003	2611584	DEIMOS BT A400 V	Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925222 00005	2612715	DEIMOS BT A400 SQ	Operator 24 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical.
P925222 00006	2616240	DEIMOS BT A400 V SQ	Operator 24 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical.
P925222 00001	2611582	DEIMOS BT A400 120	Operator 120 V for sliding gates up to 400 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925222 00004	2612714	DEIMOS BT A400 V 120	Operator 120 V for sliding gates up to 300 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00002	2611589	DEIMOS BT A600	Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00003	2611590	DEIMOS BT A600 V	Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00005	2612717	DEIMOS BT A600 SQ	Operator 24 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical.
P925224 00006	2616241	DEIMOS BT A600 V SQ	Operator 24 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical.
P925224 00001	2611588	DEIMOS BT A600 120	Operator 120 V for sliding gates up to 600 kg in weight. Leaf speed 12 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
P925224 00004	2611591	DEIMOS BT A600 V 120	Operator 120 V for sliding gates up to 360 kg in weight. Leaf speed 16 m/min. Limit switch Electromechanical. Trimmer and dip switch control unit.
R925267 00002	2611820	DEIMOS BT KIT A400 FRA	Complete kit 24 V for sliding gates weighing up to 400 kg. Leaf speed 12 m/min. Limit switch Electromechanical.
R925271 00002	2611825	DEIMOS BT KIT AGOO FRA	Complete kit 24 V for sliding gates weighing up to 600 kg. Leaf speed 12 m/min. Limit switch Electromechanical.

HAMAL 400: Control panel with trimmer and dip switch for one operator, 230V - 70W

HAMAL 400 - Cp 1700008 10001 - Ci 2610700 - Built-in - (Spare part code, available for order through the Technical Support network)



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

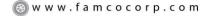
HAMAL 600: Control panel with trimmer and dip switch for one operator, 230V - 70W

HAMAL 600 - Cp | 1700009 10001 - Ci 2610702 - Built-in - (Spare part code, available for order through the Technical Support network)



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

	DEIMOS BT A400	DEIMOS BT A400 V	DEIMOS BT A400 SQ	DEIMOS BT A400 V SQ
Control unit	HAMAL	HAMAL		
Board power supply	230 V	230 V	230 V	230 V
Motor voltage	24 V	24 V	24 V	24 V





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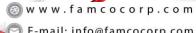




	DEIMOS BT A400	DEIMOS BT A400 V	DEIMOS BT A400 SQ	DEIMOS BT A400 V SQ
Power consumption	50 W	50 W	50 W	50 W
Max. door/gate weight	400 kg	300 kg	400 kg	300 kg
Gate panel speed	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical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

	DEIMOS BT A400 120	DEIMOS BT A400 V 120	DEIMOS BT A600	DEIMOS BT A600 V
Control unit	HAMAL	HAMAL	HAMAL	HAMAL
Board power supply	120 V	120 V	230 V	230 V
Motor voltage	120 V	120 V	24 V	24 V
Power consumption	50 W	50 W	70 W	70 W
Max. door/gate weight	400 kg	300 kg	600 kg	360 kg
Gate panel speed	12 m/min	16 m/min	12 m/min	16 m/min
Type of limit switch	Electromechanical	Electromechanical	Electromechanical	Electromechanical
Pinion module	4	4	4	4
Slowdown	Yes	Yes	Yes	Yes
Locking	Mechanical	Mechanical	Mechanical	Mechanical
Release	Lever-operated with personal key			
Impact reaction	D-Track	D-Track	D-Track	D-Track
Frequency of use	intensive	intensive	intensive	intensive
Protection rating	IP24	IP24	IP24	IP24
Environmental conditions	-20 ÷ 55 ℃	-20 ÷ 55 ℃	-20 ÷ 55 ℃	-20 ÷ 55 °C

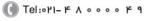
	DEIMOS BT A600 SQ	DEIMOS BT A600 V SQ	DEIMOS BT A600 120	DEIMOS BT A600 V 120
Control unit			HAMAL	HAMAL
Board power supply	230 V	230 V	120 V	120 V
Motor voltage	24 V	24 V	120 V	120 V
Power consumption	70 W	70 W	70 W	70 W
Max. door/gate weight	600 kg	360 kg	600 kg	360 kg
Gate panel speed	12 m/min	16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



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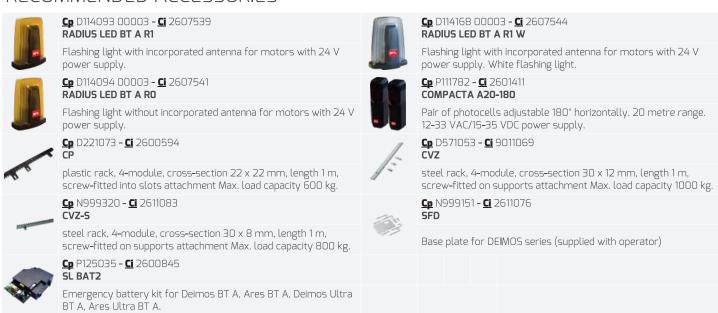


DEIMOS BT A



Sliding gate automation systems

RECOMMENDED ACCESSORIES











EasyAXS

EASY CONNECT. EASY ACCESS.



The new connectivity solution which boosts the potential of BFT products and services to make access automations smarter and easier to use for both installers and end users.



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WITH A SMART SOLUTION FOR ACCESSING THEIR

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EASY TO CONNECT

WIFI MODULE





MOBILE MODULE

+ ANTENNA + SIM









10/15 metres













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AN UPDATED VERSION OF U-LINK TO GIVE YOU EVEN MORE FUNCTIONALITY



Scalable

You can add as many devices as you want



Intuitive

Easy to install and to use



Functional

Settings can be controlled and firmware updated remotely using dedicated applications



Practical

Works with or without an internet connection



Flexible

It allows you to create groups of interconnected products

U-Link, the exclusive **BFT** technology platform has evolved to offer improved interaction with the latest generation of technological ecosystems. Its ability to interface with all home access automation access devices has been expanded, meaning it is now a very useful tool for installers. It is also a faster communication protocol with increased security for communicating information.

It allows you to save even more time, checking everything very easily and giving you even more peace of mind.







A NEW AND EVEN MORE SECURE RADIO PROTOCOL



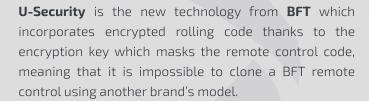
Secure

By transmitting data protected by a cryptographic key



Easy

Pairing a remote control with a receiver can be done easily by scanning the QR code and using the dedicated app



The functions of the **Er Ready** system are incorporated and a new procedure is also available for programming remote controls by scanning a QR CODE and using a special app. All products featuring this technology are REPLAY, so they can transmit the code to another BFT remote control using a combination of keys.



Universal

The radio protocol is also compatible with the previous generation of receivers

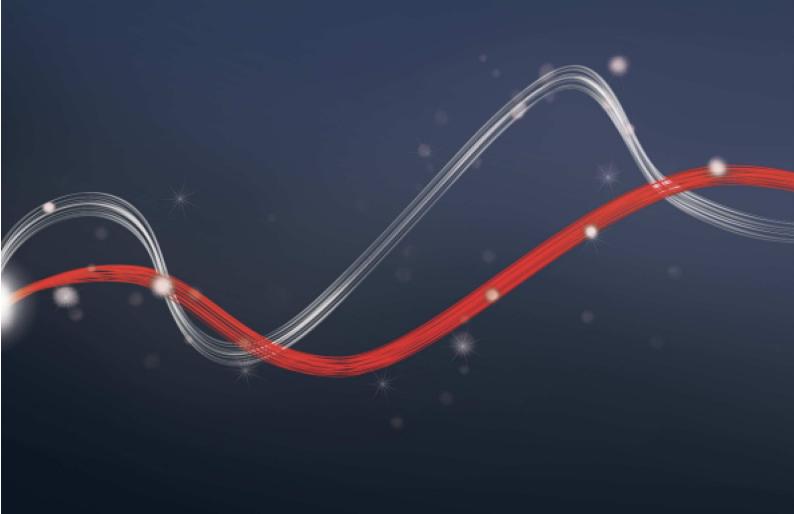
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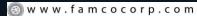




ACCESS AUTOMATION

ELI BT A







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ELI BT A



Electromechanical automation systems for swing gates



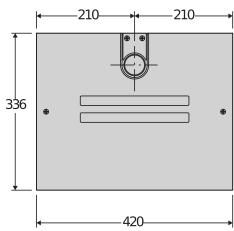


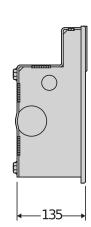












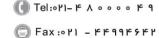
A complete range of in-ground non-reversible electromechanical operators for swing gates up to 4m long with 24V technology. The integrated mechanical stops for both opening and closing, allowing the option of a simple installation by reducing the need for physical stops. The encoder-based limit switch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

The VELOCE version offers reduced waiting times on opening and closing.



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ELIBTA



Electromechanical automation systems for swing gates

Relevant features



Super fast BT35 motors: Maximum comfort. Fast opening is ideal for sites which require reduced waiting times meaning you can quickly clear busy or hazardous roads. Fast closing can help to improve security keeping the property safer from intruders.



BT motors with relative encoder: No more need to assemble and adjust the limit switches, reducing installation time.



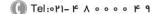
New secondary arm: quicker and more secure attachment to the primary shaft, for a more reliable installation!



New crown produced in XECARB® (available for the models AC a 40, BT A 40): highly resistant thermal-plastic composite, widely used in sport and aerospace, allows the use on heavier gates with a longer service life.



Integrated mechanical stops: for both opening and closing, allowing the option of a simple installation by reducing the need for physical stops.







ELIBT A

Code	<u>Ci</u>	Name	Description
P930133 00002	2601454	ELI VELOCE BT A35	Underground electromechanical operator 24 V for swing gates up to 3,5 m in length. Relative encoder limit switches
P930134 00002	2601455	ELI BT A40	Underground electromechanical operator 24 V for swing gates up to 4 m in length. Relative encoder limit switches

	ELI VELOCE BT A35	ELI BT A40
Motor voltage	24 V	24 V
Compatible control unit	THALIA BT A80, THALIA, THALIA P	THALIA BT A80, THALIA, THALIA P
Max. width of door/gate wing	3,5 m	4 m
Max. length gate panel without electric lock	2 m	2,5 m
Max. motor torque	250 Nm	350 Nm
Max. opening cycles per hour	50	Continuous
Maximum angle	120 °	120 °
Speed	2 Rpm	1,1 Rpm
Opening time to 90°	10" (with slowdown)	14" (with slowdown)
Limit switch standard	Relative encoder	Relative encoder
Limit switch optional	Magnetic	Magnetic
Mechanical stops	OP+CL	OP+CL
Release	Lever or lever with personalised key	Lever or lever with personalised key
Impact reaction	Electronic clutch (with control panel)	Electronic clutch (with control panel)
Protection rating	IP67	IP67
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C

VITAL ACCESSORIES





© Cp D113745 00002 - Ci 2600477 THALIA



<u>Cp</u> N733397 - <u>Ci</u> 2600789 **BTCF 120 E**

Foundation box with levers for ELI AC A, ELI BT A. Release not supplied

<u>Cp</u> N733993 - <u>Ci</u> 2603381 BTCF-120E PLUS

Reinforced foundation box for heavy or intensive use gates. Includes levers for ELI AC A, ELI BT A. Manual release not included.





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

<u>Cp</u> N733398 - <u>Ci</u> 2600091 BTCF 120 E INOX

> Stainless steel foundation box with levers for ELI AC A, ELI BT A. Release not provided

Cp N733994 - **Ci** 2603382 **BTCF-120E PLUS STAINLESS STEEL**

Reinforced stainless steel foundation box for heavy or intensive use gates. Includes levers for ELI AC A, ELI BT A. Manual release not included.



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ELIBTA



Electromechanical automation systems for swing gates

VITAL ACCESSORIES



<u>Cp</u> N733392 - <u>Ci</u> 2600478

scc

Release for ELI AC A, ELI BT A and SUB BT with lever key.



Cp N733502 - Ci 2610959

SCP

Release for ELI AC A, ELI BT A and SUB BT with personalized key.

RECOMMENDED ACCESSORIES



<u>Ср</u> N733304 - <u>Сі</u> 2600236

Accessory for opening to 180 $^{\circ}$ for ELI AC A40, ELI BT A40 operator



<u>Cp</u> N733951 - <u>Ci</u> 2601457

Magnetic limit switches for BT and AC models.



<u>Cp</u> P111782 - <u>Ci</u> 2601411

COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.



<u>Cp</u> R400009 - <u>Ci</u> 2611783 KIT COMPACTA - PHP

Kit complete with a pair of aluminum posts for photocells height 522mm and a pair of Compacta A20-180 photocells adjustable 180° horizontally, range 20m, power supply 12-33Vac / 15-



Cp D114094 00003 **- <u>Ci</u>** 2607541

RADIUS LED BT A RO

Flashing light without incorporated antenna for motors with 24 V power supply.



Cp D114168 00003 - **Ci** 2607544

RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 $\rm V$ power supply. White flashing light.



<u>Cp</u> D114093 00003 - <u>Ci</u> 2607539

RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.



<u>Cp</u> P125020 - <u>Ci</u> 2600844

BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE

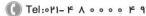


<u>Cp</u> P123032 00003 - <u>Ci</u> 2613518 <u>EBP BT A 24V</u>

24V vertical electric lock.



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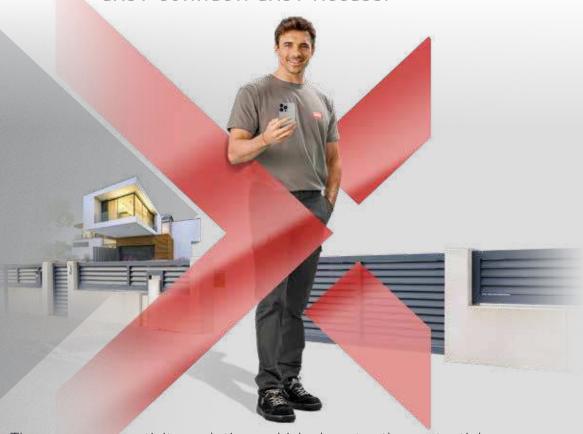






EasyAXS

EASY CONNECT. EASY ACCESS.



The new connectivity solution which boosts the potential of BFT products and services to make access automations smarter and easier to use for both installers and end users.



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WITH A SMART SOLUTION FOR ACCESSING THEIR

HOMES

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WIFI MODULE









MOBILE MODULE + ANTENNA + SIM























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AN UPDATED VERSION OF U-LINK TO GIVE YOU EVEN MORE FUNCTIONALITY



Scalable

You can add as many devices as you want



Intuitive

Easy to install and to use



Functional

Settings can be controlled and firmware updated remotely using dedicated applications



Practical

Works with or without an internet connection



Flexible

It allows you to create groups of interconnected products

U-Link, the exclusive **BFT** technology platform has evolved to offer improved interaction with the latest generation of technological ecosystems. Its ability to interface with all home access automation access devices has been expanded, meaning it is now a very useful tool for installers. It is also a faster communication protocol with increased security for communicating information.

It allows you to save even more time, checking everything very easily and giving you even more peace of mind.



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A NEW AND EVEN MORE SECURE RADIO PROTOCOL



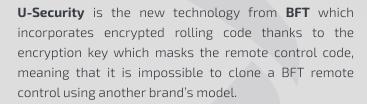
Secure

By transmitting data protected by a cryptographic key



Easy

Pairing a remote control with a receiver can be done easily by scanning the QR code and using the dedicated app

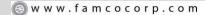


The functions of the **Er Ready** system are incorporated and a new procedure is also available for programming remote controls by scanning a QR CODE and using a special app. All products featuring this technology are REPLAY, so they can transmit the code to another BFT remote control using a combination of keys.



Universal

The radio protocol is also compatible with the previous generation of receivers





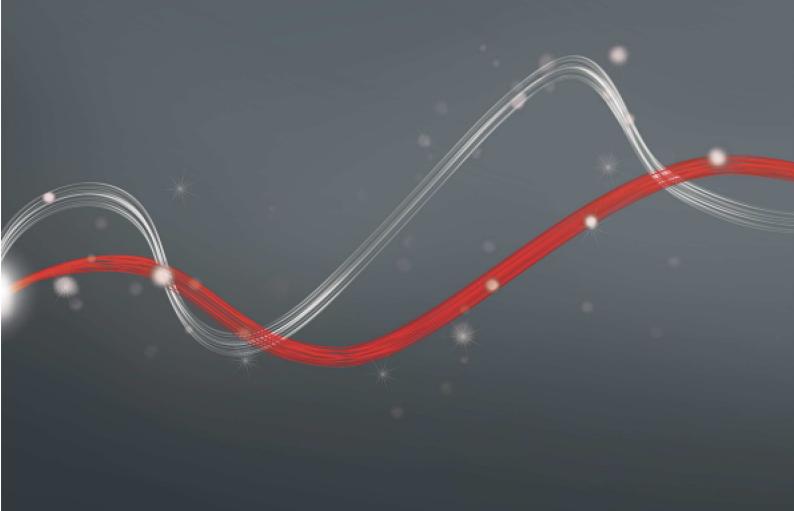
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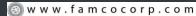




ACCECC ALITOMATION

ICARO ULTRA AC A







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Sliding gate automation systems











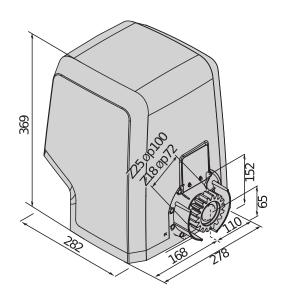












230V operators for sliding gates for very intensive use, extremely robust and high-performance thanks to oil bath transmission. Torque control thanks to D-Track technology and encoder for the highest possible precision of movement. Control unit for communication with U-Link protocol and with tamper-proof function. Operator with magnetic limit switch.

The control unit ensures complete safety thanks to the exclusive torque control system that makes these operators comply fully with the current European standards.

Relevant features



U-Link protocol: the ICARO ULTRA AC A2000 operator is compatible with the U-Link communication protocol, through the integrated LEO B CBB control panel.



D-Track dynamic path tracking: smart torque management system that constantly updates the gate torque level, improving the safety of the maneuver regardless of weather conditions, temperature or the degree of wear of the system.



Magnetic limit switches: this type of limit switch ensures safe and precise installations in any ambient condition



Oil Gear: Oil bath gearbox unit. The component gears of the transmission are immersed in an oil bath to ensure perfect lubrication throughout their service life.

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Sliding gate automation systems



Relevant features



Technopolymers: The combined use of metal and plastic-technopolymer gears provides the perfect engagement between the surfaces, allowing for reduced friction and the highest levels of reliability in intensive use.



Release lever with personalised key: the release lever simplifies motor release and the personalized key ensures its uniqueness, for better safety



Screws on the front: By putting the fastening screws on the front of the casing, installation and maintenance are easier and more convenient, even in confined spaces.

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Sliding gate automation systems



ICARO ULTRA AC A

Code	<u>Ci</u>	Name	Description	
P925238 00002	2600854	ICARO ULTRA AC A2000	Operator 230 V for sliding gates up to 2000 kg with relative encoder. Leaf speed 9 m/min. Magnetic limit switch. Equipped with mechanical safety clutch, torque management via D-Track technology and gear unit in oil bath. Control unit for communication with U-Link protocol and with tamper-proof function. Magnetic limit switch. Control unit with display, preconfigured for communication with U-Link protocol.	U-Link

LEO B CBB LO2: Built-in control panel for 1 x 230V operator for sliding gates

LEO B CBB LO2 - Cp 1700073 10001 - Ci 2600768 - Built-in - (Spare part code, available for order through the Technical Support network)



- Built-in control panel for 1 x 230V operator for sliding gates
- Application: built-in control unit for one 230V operator for sliding gates
- Card power supply: 230 V single-phase
- Operator power supply: 230V 750W
- Main features: removable terminal blocks with new standard colour-coding, simplified scenario-based programming with display, incorporated dual channel receiver, D-Track anti-crushing system, slowdown during opening and closing
- Main functions: automatic re-closing, fast closing, pedestrian opening

	ICARO ULTRA AC A2000
Control unit	LEO B CBB LO2
Board power supply	230 V
Motor voltage	230 V
Power consumption	750 W
Max. door/gate weight	2000 kg
Gate panel speed	9 m/min
Type of limit switch	Magnetic
Pinion module	4
Slowdown	Yes
Locking	Mechanical
Release	Lever-operated with personal key
Impact reaction	Mechanical clutch + encoder
Frequency of use	very intensive
Protection rating	IP55
Environmental conditions	-20 ÷ 55 °C

RECOMMENDED ACCESSORIES



<u>Cp</u> D114093 00002 - <u>Ci</u> 2607538

RADIUS LED AC A R1

Flashing light with incorporated antenna for motors with 230 V power supply.



Cp D114093 00001 **- Ci** 2607537

RADIUS LED AC A R1 120

Flashing light with incorporated antenna for motors with power supply 120 V



plastic rack, 4-module, cross-section 22 x 22 mm, length 1 m, screw-fitted into slots attachment Max. load capacity 600 kg.



<u>Cp</u> D114094 00002 - <u>Ci</u> 2607540

RADIUS LED AC A RO

Flashing light without incorporated antenna for motors with 230 V power supply.



<u>Cp</u> P111782 - <u>Ci</u> 2601411

COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.



<u>Cp</u> N999320 - <u>Ci</u> 2611083 CVZ-S

steel rack, 4-module, cross-section 30 x 8 mm, length 1 m, screw-fitted on supports attachment Max. load capacity 800 kg.



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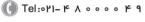
Sliding gate automation systems



RECOMMENDED ACCESSORIES









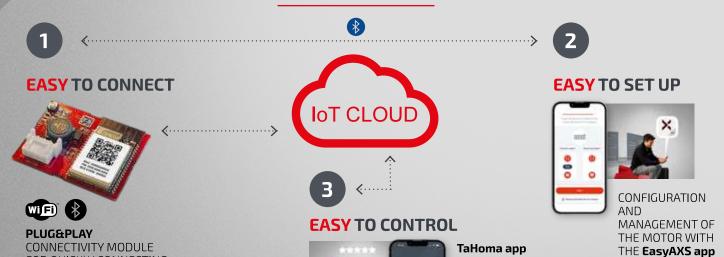


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FOR QUICKLY CONNECTING

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TO PROVIDE CUSTOMERS

WITH A SMART SOLUTION FOR ACCESSING THEIR

HOMES

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MOBILE MODULE + ANTENNA + SIM











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EASY TO CONTROL FOR CUSTOMERS



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Scalable

You can add as many devices as you want



Intuitive

Easy to install and to use



Functional

Settings can be controlled and firmware updated remotely using dedicated applications



Practical

Works with or without an internet connection



Flexible

It allows you to create groups of interconnected products

U-Link, the exclusive **BFT** technology platform has evolved to offer improved interaction with the latest generation of technological ecosystems. Its ability to interface with all home access automation access devices has been expanded, meaning it is now a very useful tool for installers. It is also a faster communication protocol with increased security for communicating information.

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A NEW AND EVEN MORE SECURE RADIO PROTOCOL



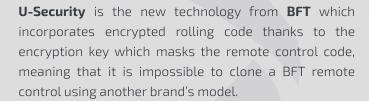
Secure

By transmitting data protected by a cryptographic key



Easy

Pairing a remote control with a receiver can be done easily by scanning the QR code and using the dedicated app



The functions of the **Er Ready** system are incorporated and a new procedure is also available for programming remote controls by scanning a QR CODE and using a special app. All products featuring this technology are REPLAY, so they can transmit the code to another BFT remote control using a combination of keys.



Universal

The radio protocol is also compatible with the previous generation of receivers

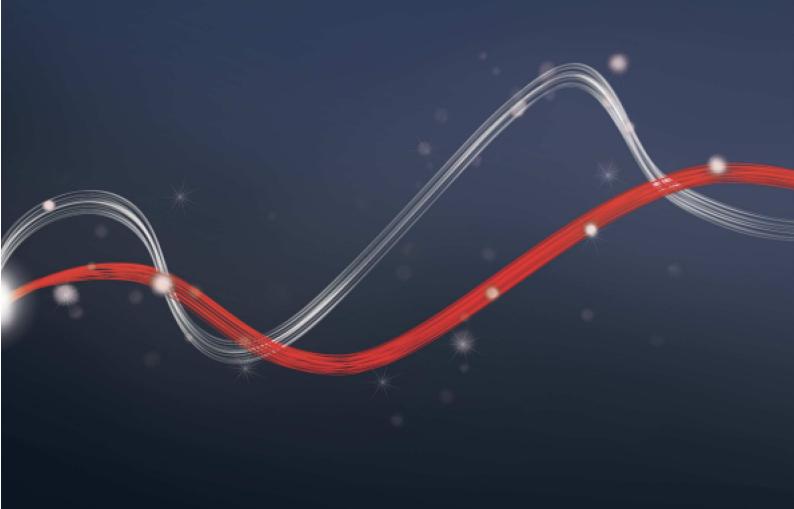
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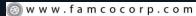


FAMCO هایپرسنعت

ACCESS AUTOMATION

IGEA





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IGEA



Electromechanical automation systems for swing gates

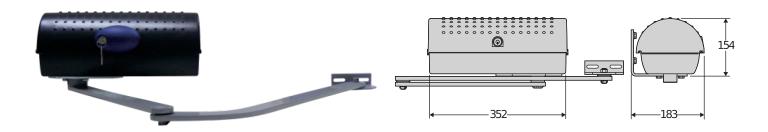












Range of electromechanical operators with articulated arm for residential use, for swing gate leaves of up to 2.5 metres and 250 kg. Ideal for installation on large-size pillars thanks to its articulated levers that allow opening up to 125°.

Relevant features



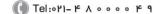
Aluminium structure with high-resistance paint treatment.



Built-in, adjustable, single-cable electromechanical limit switch system.



Control unit with programming display, automatic setting menu, simplified programming and virtual encoder.







IGEA

Code	<u>Ci</u>	Name	Description
P935065 00002	2600863	IGEA	Electromechanical operator 230 V for swing gates up to 250 kg in weight and 2,5 m in length. Limit switch Electromechanical.
R935221 00002	2600885	IGEA KIT FRA	Complete kit 230 V for swing gates up to 250 kg in weight and 2,5 m in length. Limit switch Electromechanical.

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



Cp D113833 00002 - Ci 2600589 - RIGEL 6 220-230V 50/60HZ - Recommended

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

 Compatibility: RIGEL 5 - RIGEL 4 - RIGEL 3 - RIGEL N

	IGEA	
Control unit	RIGEL 6	
Board power supply	230 V	
Motor voltage	230 V	
Power consumption	300 W	
Max. width of door/gate wing	2,5 m	
Max. weight of door/gate wing	250 kg	
Maximum angle	125 °	
Cycle time	15 s	
Type of limit switch	Electromechanical	
Slowdown	no	
Locking	Mechanical	
Release	Knob operated with personal key	
Impact reaction	Electronic clutch	
Frequency of use	intensive	
Protection rating	IP44	
Environmental conditions	-15 ÷ 60 °C	

VITAL ACCESSORIES



Cp D113811 00004 - **Ci** 2607514 ALENA SW2

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



<u>Cp</u> D113811 00003 - <u>Ci</u> 2607513

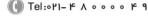
ALENA SW2 120V

ALENA SW2 120V control panel



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RECOMMENDED ACCESSORIES

	Cp D114093 00002 - Ci 2607538 RADIUS LED AC A R1 Flashing light with incorporated antenna for motors with 230 V power supply.		<u>Cp</u> D114094 00002 - <u>Ci</u> 2607540 RADIUS LED AC A RO
			Flashing light without incorporated antenna for motors with 230 V power supply.
	<u>Cp</u> P111782 - <u>Ci</u> 2601411 <u>COMPACTA A20-180</u>	L	<u>Cp</u> N733421 - <u>Ci</u> 2600967 RCA
	Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.		Lever release with steel cable, length 3,5 m. Compatible with BOX.
L	Cp N733422 - Ci 2600457 RCAL		<u>Cp</u> P135005 - <u>Ci</u> 2601366 LRV
J	Lever release with steel cable, length 7 m. Compatible with BOX.	- M	Short articulated arms for IGEA and IGEA BT
	<u>Cp</u> N574039 - <u>Ci</u> 2610798 BOX		Cp P123032 00001 - Ci 2613516 EBP AC A 230V 50/60HZ
R	Wall cabinet for release with steel cable and electric control; cable not included		230V vertical electric lock.
	Cp P123032 00002 - Ci 2613517 EBP AC A 120V 50/60Hz		
	120V vertical electric lock.		



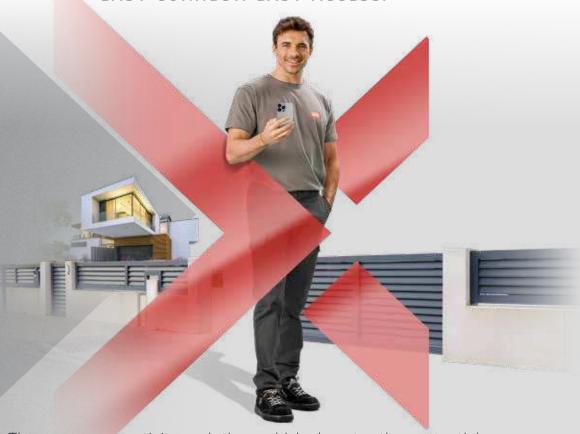






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WIFI MODULE









MOBILE MODULE + ANTENNA + SIM









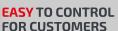


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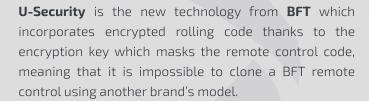
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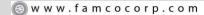


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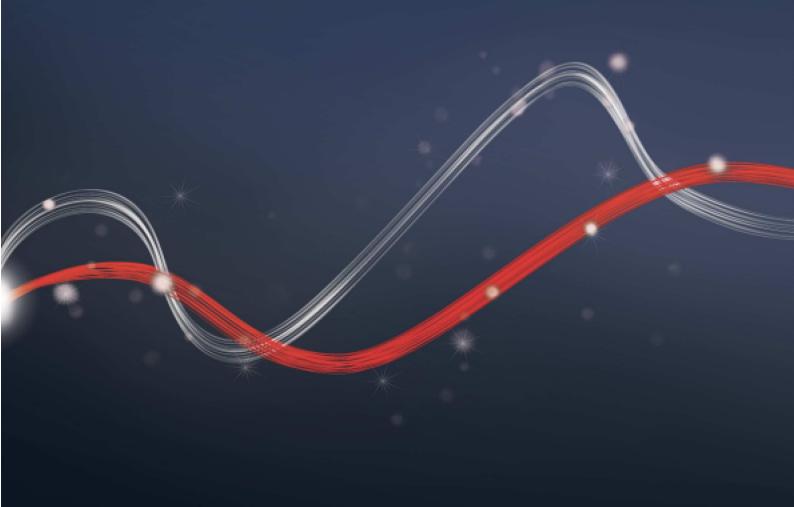
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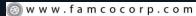




ACCESS AUTOMATION

KUSTOS BT A





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KUSTOS BT A



Electromechanical automation systems for swing gates



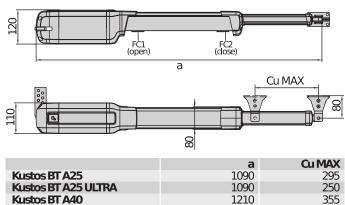












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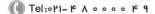
Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg. Quick and practical installation: the new KUSTOS BT A operators are designed to allow a quick and easy installation thanks to a numbers of important measures such as the magnetic limit switches and the magnetic locking pin.

Relevant features



Covered worm screw: all KUSTOS BT A range operators are telescopic operators with completely covered worm screw. This ensures maximum protection against external agents (water, dust, dirt, etc.) as well as a total protection for people, preventing any type of access to the moving parts.

Kustos BT A40 ULTRA



Fax:∘۲1 - ۴۴99۴۶۴۲

KUSTOS BT A



Electromechanical automation systems for swing gates

KUSTOS BT A

Code	<u>Ci</u>	Name		Description
P935099 00002	2611759	KUSTOS BT A25	(+)	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 2,5 m long. Covered worm screw Magnetic limit switch
P935100 00002	2611760	KUSTOS BT A40	@	Irreversible electromechanical operator 24 V for swing gates weighing up to 500 kg and 4 m long. Covered worm screw Magnetic limit switch
R935307 00005	2611935	KUSTOS BT KIT A25 FRA	(3)	Complete kit 24 V for swing gates up to 400 kg in weight and 2,5 m in length. Covered worm screw Magnetic limit switch
R935310 00005	2611946	KUSTOS BT KIT A40 FRA	(3)	Complete kit 24 V for swing gates up to 500 kg in weight and 4 m in length. Covered worm screw Magnetic limit switch

	KUSTOS BT A25	KUSTOS BT A40	
Control unit	THALIA	THALIA	
Board power supply	230 V	230 V	
Motor voltage	24 V	24 V	
Power consumption	40 W	40 W	
Max. width of door/gate wing	2,5 m	4 m	
Max. weight of door/gate wing	400 kg	500 kg	
Useful rod stroke	295 mm	355 mm	
Maximum angle	118 °	126 °	
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 15 secs	approx, 20 secs	
Type of limit switch	Magnetic	Magnetic	
Slowdown	Yes	Yes	
Locking	Mechanical	Mechanical	
Release	Personal key	Personal key	
Impact reaction	D-Track	D-Track	
Frequency of use	intensive	intensive	
Protection rating	IP44	IP44	
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	

VITAL ACCESSORIES





© Cp D113745 00002 - Cl 2600477

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



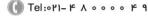


© Cp D113747 00002 - Ci 2600583 THALIA P

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







KUSTOS BT A



Electromechanical automation systems for swing gates

VITAL ACCESSORIES



<u>Cp</u> D113796 00002 - <u>Ci</u> 2607507 ZARA BT L2

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

RECOMMENDED ACCESSORIES



<u>Cp</u> N733646 - <u>Ci</u> 2610973

ARB KUSTOS FRONT

Front adjustable fixing brackets for Kustos BT A



<u>Cp</u> N735003 - <u>Ci</u> 2601367

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



<u>Cp</u> N735003 00001 - <u>Ci</u> 2601392

SFR-L B - COMPLETE

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



Cp N999404 - **Ci** 2611106

CABLE N BT

Control unit connecting cable for PHOBOS BT A, KUSTOS BT A. Coil of 100 m, 3x1,5.



Cp D114093 00003 - **Ci** 2607539

RADIUS LED BT A R1

Flashing light with incorporated antenna for motors with 24 V power supply.



<u>Cp</u> D114094 00003 - <u>Ci</u> 2607541

RADIUS LED BT A RO

Flashing light without incorporated antenna for motors with 24 V power supply.



Cp N998613 - **Ci** 2613836

AMIP

PHOBOS built-in mechanical stops.



<u>Cp</u> N735002 - <u>Ci</u> 2601324

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



<u>Cp</u> N735002 00001 - <u>Ci</u> 2601273

SFR B - COMPLETE

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



<u>Cp</u> D730178 - <u>Ci</u> 2600090

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.



Cp P125020 - **Ci** 2600844

BBT BAT

Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE



Cp D114168 00003 **- <u>Ci</u>** 2607544

RADIUS LED BT A R1 W

Flashing light with incorporated antenna for motors with 24 V power supply. White flashing light.



<u>Cp</u> P111782 - <u>Ci</u> 2601411

COMPACTA A20-180

Pair of photocells adjustable 180° horizontally. 20 metre range. 12-33 VAC/15-35 VDC power supply.

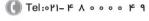


<u>Cp</u> P123032 00003 - <u>Ci</u> 2613518

new EBP BT A 24V

24V vertical electric lock.



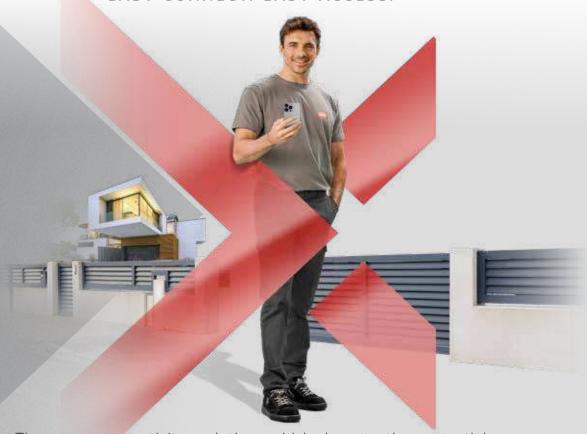






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The new connectivity solution which boosts the potential of BFT products and services to make access automations smarter and easier to use for both installers and end users.



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تهران ، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج) روبـروی یالایشگاه نفت یـارس ، پلاک ۱۲

FOR ACCESSING THEIR

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HOMES





EASY TO CONNECT

WIFI MODULE







MOBILE MODULE + ANTENNA + SIM















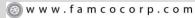












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AN UPDATED VERSION OF U-LINK TO GIVE YOU EVEN MORE FUNCTIONALITY



Scalable

You can add as many devices as you want



Intuitive

Easy to install and to use



Functional

Settings can be controlled and firmware updated remotely using dedicated applications



Practical

Works with or without an internet connection



Flexible

It allows you to create groups of interconnected products

U-Link, the exclusive **BFT** technology platform has evolved to offer improved interaction with the latest generation of technological ecosystems. Its ability to interface with all home access automation access devices has been expanded, meaning it is now a very useful tool for installers. It is also a faster communication protocol with increased security for communicating information.

It allows you to save even more time, checking everything very easily and giving you even more peace of mind.



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A NEW AND EVEN **MORE SECURE** RADIO PROTOCOL



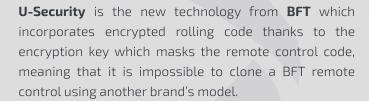
Secure

By transmitting data protected by a cryptographic key



Easy

Pairing a remote control with a receiver can be done easily by scanning the QR code and using the dedicated app



The functions of the **Er Ready** system are incorporated and a new procedure is also available for programming remote controls by scanning a QR CODE and using a special app. All products featuring this technology are REPLAY, so they can transmit the code to another BFT remote control using a combination of keys.



Universal

The radio protocol is also compatible with the previous generation of receivers

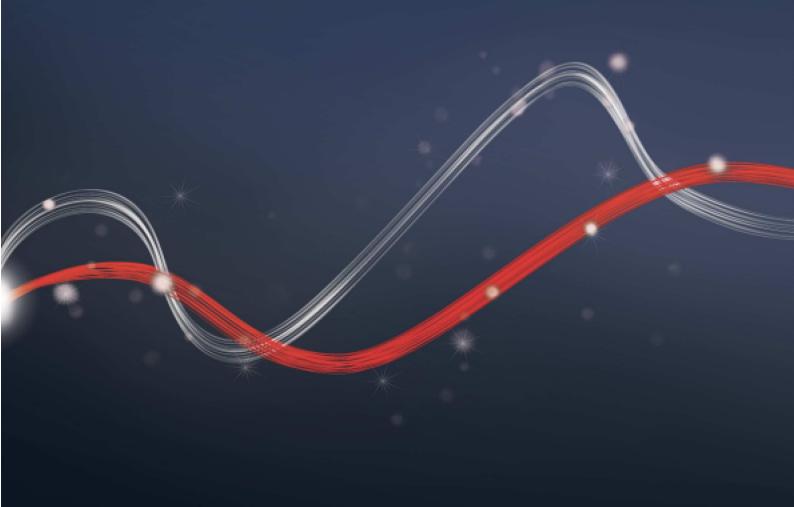
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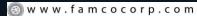




ACCESS AUTOMATION

PHOBOS BT A







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PHOBOS BT A



Electromechanical automation systems for swing gates





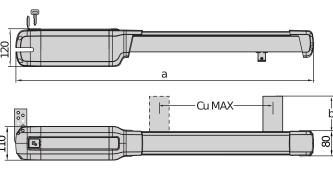












	a	b	Cu MAX
Phobos BT A25	850	72,5	290
Phobos BT A40	960	108	400
Phobos AC A25	850	72,5	350
Phobos AC A40	960	108	460

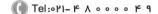
Complete range of electromechanical pistons for residential use, suitable for swing gate leaves up to 4 metres wide and weighing up to 500 kg. Obstacle detection: the management and control system of the D-Track pair ensures maximum safety for people and property, as well as facilitating certification of the system

Relevant features



Magnetic limit switch: the magnetic limit switch system ensures maximum precision of movement and quick and easy adjustment

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PHOBOS BT A



Electromechanical automation systems for swing gates

PHOBOS BT A

Code	<u>Ci</u>	Name		Description
P935096 00002	2600865	PHOBOS BT A25	(+)	Irreversible electromechanical operator 24 V for swing gates weighing up to 400 kg and 2,5 m long. Magnetic limit switch
P935095 00002	2600864	PHOBOS BT A40	@	Irreversible electromechanical operator 24 V for swing gates weighing up to 500 kg and 4 m long. Magnetic limit switch
R935306 00005	2611932	PHOBOS BT KIT A25 FRA	(B)	Complete kit 24 V for swing gates up to 400 kg in weight and 2,5 m in length. Magnetic limit switch
R935309 00005	2611941	PHOBOS BT KIT A40 FRA	(3)	Complete kit 24 V for swing gates up to 500 kg in weight and 4 m in length. Magnetic limit switch

	PHOBOS BT A25	PHOBOS BT A40	
Control unit	THALIA BT A80, ZARA BT A 80, THALIA, ZARA	THALIA BT A80, ZARA BT A 80, THALIA, ZARA	
Board power supply	230 V	230 V	
Motor voltage	24 V	24 V	
Power consumption	40 W	40 W	
Max. width of door/gate wing	2,5 m	4 m	
Max. weight of door/gate wing	400 kg	500 kg	
Useful rod stroke	290 mm	400 mm	
Maximum angle	116 °	124 °	
Movement time (90°, excluding slowdown, with maximum gate size and weight)	approx, 15 secs	approx, 20 secs	
Type of limit switch	Magnetic	Magnetic	
Slowdown	Yes	Yes	
_ocking	Mechanical	Mechanical	
Release	Personal key	Personal key	
Impact reaction	D-Track	D-Track	
Frequency of use	intensive	intensive	
Protection rating	IPX4	IPX4	
Environmental conditions	-20 ÷ 55 °C	-20 ÷ 55 °C	

VITAL ACCESSORIES





© Cp D113745 00002 - Cl 2600477

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





© Cp D113747 00002 - Ci 2600583 THALIA P

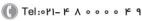
Control panel for one or two 24V electromechanical and hydraulic operators for swing gates with electric lock management, for highly complex systems



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PHOBOS BT A



Electromechanical automation systems for swing gates

VITAL ACCESSORIES



Cp D113796 00002 - **Ci** 2607507 ZARA BT L2

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

RECOMMENDED ACCESSORIES





Cp N733427 - **Ci** 2600791 **ARB PHOBOS N**

Front and rear adjustable bracket for PHOBOS operator



<u>Cp</u> N733427 00001 - <u>Ci</u> 2610951

ARB PHOBOS 25

Adjustable front mounting bracket, Phobos A 25



<u>Cp</u> N735002 - <u>Ci</u> 2601324

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



Cp N735002 00001 - **Ci** 2601273

SFR B - COMPLETE

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



<u>Cp</u> D730178 - <u>Ci</u> 2600090

Anchor plate for attaching the rear mountings to masonry pillars for LUX, ORO, and PHOBOS operators.



Cp D114168 00003 - **Ci** 2607544

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<u>Cp</u> P111782 - <u>Ci</u> 2601411

COMPACTA A20-180

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Front and rear adjustable bracket for PHOBOS operator



<u>Cp</u> N733428 00001 - <u>Ci</u> 2610952

ARB PHOBOS 40

Adjustable front mounting bracket, Phobos A 40



<u>Cp</u> N735003 - <u>Ci</u> 2601367 SFR-L B

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



<u>Cp</u> N735003 00001 - <u>Ci</u> 2601392

SFR-L B - COMPLETE

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



Set of backup batteries for THALIA, THALIA P, ZARA and PHEBE



Cp N998613 - **Ci** 2613836

AMIP

PHOBOS built-in mechanical stops.

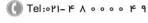


<u>Cp</u> P123032 00003 - <u>Ci</u> 2613518

EBP BT A 24V

24V vertical electric lock.









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BFT SOLUTIONS

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- (a) Fax:011 FF99F9FP

تهران، کیلومتر ۲۱ بزرگراه لشگری (جاده مخصوص کرج) روبـروی پالایشگاه نفت پـارس، پلاک ۱۲

WITH A SMART SOLUTION FOR ACCESSING THEIR

HOMES

Somfy TaHoma





EASY TO CONNECT

WIFI MODULE







> 20/25 metres

MOBILE MODULE + ANTENNA + SIM









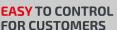


ALWAYS CONNECTED











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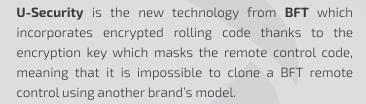
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