

BENINCA[®]

TECHNOLOGY TO OPEN



E N G L I S H C A T A L O G U E



Made in Italy

BENINCA[®]
TECHNOLOGY TO OPEN





BENINCÀ, A STORY SPANNING OVER 40 YEARS

The strong relationship between two brothers and their deep desire for independence led to the creation of the Benincà brand for the production of automatic components for fences in 1979.

One a mechanic and the other an electrician, Aldo and Luigi were very young: despite this, their father had no doubts and allowed them to start the business using the family land, demonstrating his strong belief in what his children could achieve.

Like seeds, this act of trust generated the values that would later guide all of the company's choices, which still today are reflected in a brand name with which people are able to identify, just like in a family.



VISION & MISSION

VISION

Benincà; good products, good people, one family.

MISSION

Like a family.

We support our partners and customers to grow together, a synergy defined by trust and built with care. We share products and services for the safety and freedom of people, which make us proud of our name.





WHY CHOOSE BENINCA?

**Born in a territory
rich in creativity
and know-how**

ITALIAN CHARACTER

The Made in Italy tag is
a synonym of quality for
which we can never give up!

**40 years and
more in the fields
of automation
devices for gates**

EXPERIENCE

The needs of the installer
have no secrets to us!

**Being a partner
at work is being
able to trust**

FACE TO FACE RELATIONSHIP

The authenticity of an open
and transparent relationship
with people.





AUTOMATION SPECIALISTS FOR EVERY CONTEXT

Benincà meets the protection needs of the residential sector with high quality, professional and robust products able to last over time.

In collective contexts, we provide all the technology and efficiency required in situations of intensive or continuous use with solutions that minimise component wear by ensuring a long automation life.

In industrial contexts we are able to offer a wide choice of automations. In particular, our range of motors for sliding gates includes solutions up to 4500 kg weight.





In addition, to complete our installations we also offer a series of stylish and modern accessories, such as flashing lights, transmitters, key selectors and photocells.

Benincà is a brand dedicated to professionals who need innovative solutions designed on the basis of experience and able to last over time.



AUTOMATIONS
FOR SWING GATES



AUTOMATIONS
FOR SLIDING GATES



AUTOMATIONS FOR
GARAGE & INDUSTRIAL DOORS



ROAD BARRIERS
& CAR PARK SAVER



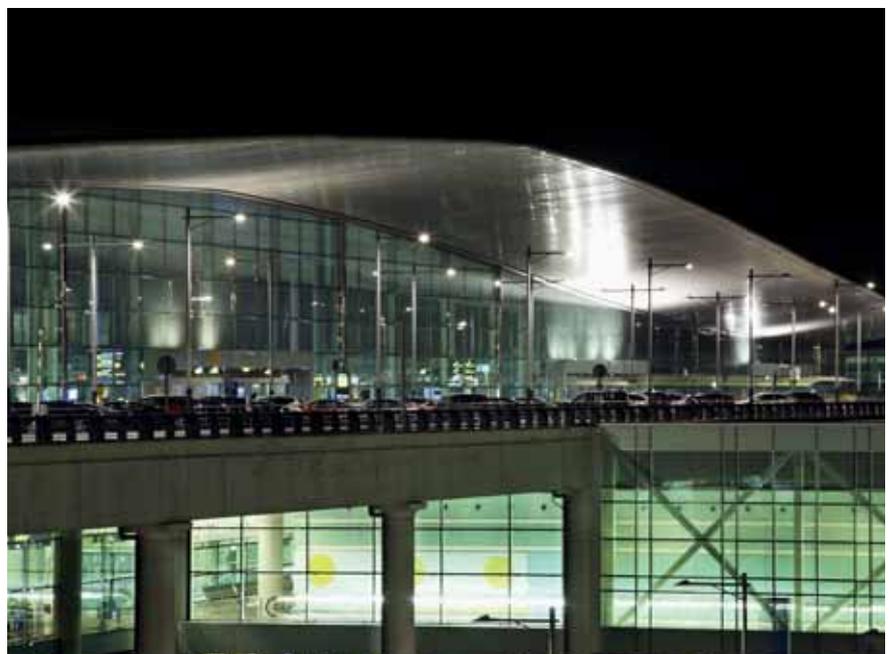
CONTROL
UNITS



ELECTRONIC
COMMAND & CONTROL



WARNING DEVICES
AND SIGNALS





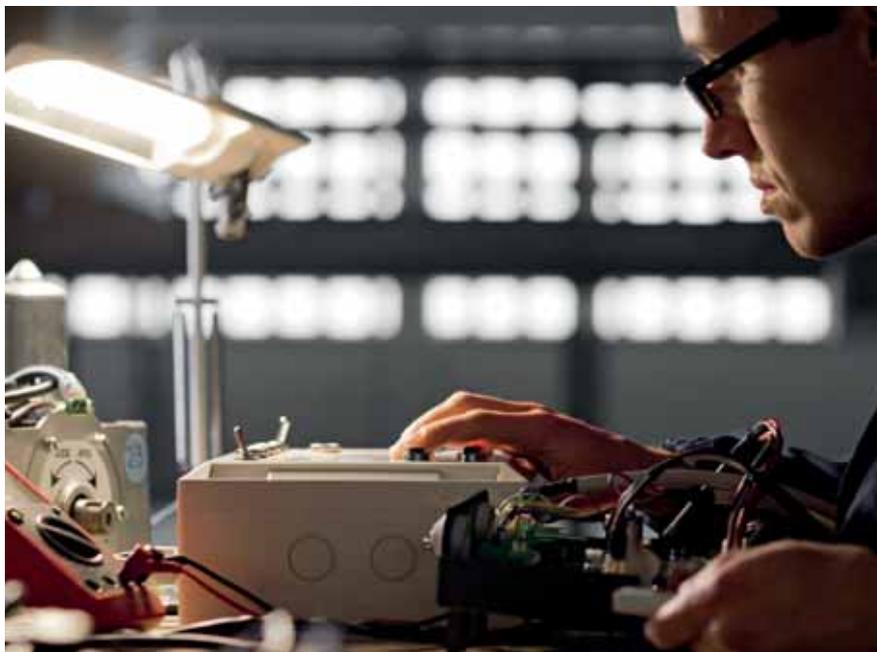
COMPLIANCE WITH REGULATIONS? **BENINCÀ IS READY!**

On 9 May 2025, a new European regulation will enter into force “which lays down eco-design requirements for off mode, standby mode, and networked standby energy consumption of electrical and electronic household and office equipment in accordance with Regulation 2023/826 of the European Parliament and the Council”.

What does this mean? The obligation for gates motors manufacturers to start the conversion of the systems and technologies applied to automations making them more energy efficient. Thanks to the introduction of the first ESA SYSTEM, Benincà first addressed this project challenge back in 2007, looking ahead and reflecting responsibly on the environmental impact of its systems.



**Search the catalogue for motors
with the consumption value of less
than 0.8 W identified with this logo!**





Since then we have never stopped and our range of automations for gates and garage doors includes two energy saving solutions: ESA+ technology and the use of electronic switched-mode power supply which correctly comply with the new Regulation.



ESA+ TECHNOLOGY

This system enables the automation to save energy, reducing consumption when the motor is on standby mode.



ELECTRONIC SWITCHED-MODE POWER SUPPLIES

The use of electronic switched-mode power supply systems in place of traditional linear power supplies (e.g. transformers) allows to obtain an energetic saving due to the increased efficiency and to the lower power heat dissipation when the automation is in standby. In addition, thanks to the smart management of the connected peripheral devices and thanks to the energy drawn from the grid, it also preserves the automation by increasing the life of the electronic components and allowing a better management of the motor movement.





THE BeMOVE SYSTEM



BeUP



DESIGNED FOR PROFESSIONALS

PROGRAMMING AND DIAGNOSTICS OF COMPATIBLE CONTROL UNITS THROUGH BeUP AND Pro.UP

BeUP is the application, available for iOS and Android operating systems, dedicated to professionals which, in combination with pro.UP, allows you to programme Beninca control units quickly and easily directly from your vehicle. Furthermore, by connecting pro.UP to the cloud server, it is possible to store the installations realized in a specific system in the address book, view the details of the system and the history of the interventions performed, moreover it is possible to easily update the firmware.

Choose to do the best job you can.

pro.UP

Interface for remote programming and diagnostics. Serial or wired connection for remote command and control.



CONNECTION WITH THE IOT WORLD

- WiFi 802.11b/g/n - 2.4 GHz
- Ethernet RJ45



BePRO

THE INSTALLER PORTAL

WEB-BASED MANAGEMENT OF INSTALLATIONS / AUTOMATIONS / TRANSMITTERS

BePRO is the new portal for professional installers, accessible at the link beninca.cloud. It allows you to view the consumption curves of motors, geolocate the systems on the map and plan interventions, manage the lists of radio transmitters and have an archive where to save documentation related to the installations.





BeMOVE



FOR THE END USER

COMMAND AND CONTROL OF AUTOMATIONS VIA SMARTPHONE

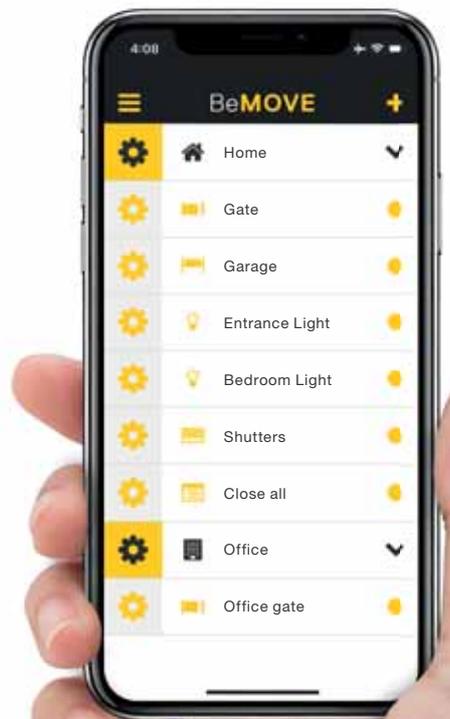
BeMOVE is the app that allows to quickly and easily control your home automations, lights or garden irrigation system. You can control them through access time slots or GPS position, opening the gate just before you get home, for example. You can also check the status of your automations when you're away from home and activate them if necessary, like closing the awnings in the event of bad weather, for example.

The future is here.

g.MOVE



Interface to install on the automations, equipped with 2 outputs and 2 inputs. Bidirectional communication with HOOP gateway via 868 MHz radio or RS485 bus.



hnnp
G A T E W A Y



Gateway to control the automations via BeMOVE app.

CONNECTION WITH THE IOT WORLD

-  WiFi 802.11b/g/n - 2.4 GHz
-  Ethernet RJ45

i.hnnp



Bidirectional 868 MHz radio module (HOOP accessory).



RESIDENTIAL MORE VALUE FOR HOMES AND MORE COMFORT FOR CUSTOMERS!

Benincà invests in the promotion of its technologies. A major television campaign was launched to promote the reduction of energy consumption of our new automations when in standby mode. Spots were broadcast on national channel Rai1 during the 2022 Football World Cup and on Canale 5, to generate brand awareness among a broad and popular audience, which was invited to find out more on the dedicated web page LaCasaBuona.it.

Below are some of the new models, for residential contexts, with consumption of less than 1W in standby mode.



MARK

up to 8 m² (12 m² with two motors)

24 Vdc electromechanical gear motor for counterweight garage doors characterised by compact size (48 cm in length) and reduced weight (7 kg) that enable simplified door balancing and quick assembly even on folding garage doors. The control unit equipped with switching power supply reduces energy consumption (0.8 W) and secures a long lifespan of the actuator. The output shaft with 20 x 20 mm through square-hole and the wheelbase of just 53 mm enables perfect integration also with existing systems. Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP.





SAM

up to 2.5 m per leaf



24 Vdc gear motor for swing gates with large columns ideal for residential contexts. The built-in control unit, easily accessible from above, is equipped with a 100 ÷ 250 Vac switching power supply, that permits reduced power consumption (0.8 W) and a long lifespan of the operator. Suitable for any setting, thanks to the reduced overall dimensions (only 170 mm of width). Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP.

TOM

up to 5 m per leaf



Reliable and innovative irreversible telescopic gear motor, available in 230 Vac or 24 Vdc, characterised by 2 mechanical stops in opening and closing accessible from above and easy to adjust. With its compact dimensions (only 96 mm wide), TOM is designed with the highest quality materials: bronze alloy release wheel, worm protected by a scraper ring and stainless steel stem, suitable for use in dusty and sandy environments or where there are aggressive atmospheric agents.

STAR

flashing light

Elegant and discreet flashing light 12 ÷ 255 Vac / 14 ÷ 255 Vdc with built-in antenna. Cables access from the bottom or from the back of the flashing light. Available as a support accessory for installation on columns with oversized cap.





COLLECTIVE SMART MANAGEMENT OF COMMON SPACES INTENSIVE USE

In common spaces, it is necessary to quickly and safely manage a large number of daily entrances with different users. Below are some of the new models that Benincà has decided to integrate into the existing range. All models can be integrated with KNX domotics systems and managed through remote programming to guarantee assistance and top levels of service, especially in environments where the flow of users is high and service continuity must always be guaranteed!



BULL HE^{REVERSE}

up to 1400 kg



Reversible 230 Vac gear motor for sliding gates up to 1400 kg. Equipped with control unit with integrated receiver and encoder, ideal in condominiums for particularly intensive use. The electric brake guarantees the irreversibility of the actuator in the presence of a power supply.



**BULL424SE**

up to 450 kg and 12 m/min

BULL1024SE

up to 1000 kg and 10,5 m/min

BULL624SE

up to 600 kg and 14 m/min

BULL1524SE

up to 1500 kg and 11,7 m/min



24 Vdc gear motor for sliding gates up to 1500 kg, ideal for intensive use. The built-in control unit, unique for all versions and accessible from above, makes it possible to memorize up to 2048 transmitters. The 115/230 Vac switching power supply reduces consumption (0.8 W) and secures a long lifespan of the actuator. Possibility of integration with KNX home automation systems through the specific X.BE card and remote programming thanks to the pro.UP interface card and the BeUP application.



COLLECTIVE ACCESS CONTROL IN COMPLETE SAFETY

In common spaces, it is necessary to quickly and safely manage a large number of daily entrances with different users, guaranteeing the continuity of the service. Below are some of the new models that meet these requirements and that can be integrated with KNX domotics systems and managed through remote programming.



JACK

up to 35 m²



Side-mounted 24 Vdc gear motor for sectional doors available in two versions, up to 20 sqm with torque of up to 50 Nm (JACK24.50) and up to 35 sqm with torque of up to 80 Nm (JACK24.80).

The built-in control unit, equipped with a wide range switching power supply from 100 to 250 Vac, is easy to access thanks to the front cover with hinges. Ideal in any context thanks to the compact size (11 cm width) that allows a quick and easy mounting even in limited spaces. Designed for integrating KNX home automation systems, thanks to the X.BE accessory. You can programme via the BeUP app by connecting the PRO.UP interface.





DIVA

up to 3 m (DIVA.3) or 5 m (DIVA.5)



24 Vdc brushless barrier for continuous use with integrated control unit, encoder and battery charger. The 115/230 Vac switching power supply reduces consumption and secures a long lifespan of the actuator. Electric motor with brushless technology guarantees the highest performance, reliability, fluid movements, and a very long lifespan of the operator representing the ideal solution in contexts with particularly intensive uses. Illumination and light diffusion system designed to guarantee the maximum visibility in all directions. RGB LED lights with the possibility to work as a flashing light (DIVA.TL accessory). Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP.

Opening time 80°:

DIVA.3 - 0.8 s, MCBF = 5 million cycles.

DIVA.5 - 2.5 s, MCBF = 3 million cycles.



INNOVATION AND SECURITY

The dialogue with professional users has enabled us to develop products with a high technological content, guaranteeing security, reliability and high levels of performance. In order to guide the selection within our range of products we have highlighted some of these characteristics by means of a precise series of symbols.

ANTI-CLONING ENCODING



433.92 MHz Receiver equipped exclusively with Advanced Rolling Code (ARC)

INNOVATION AND COMPLIANCE WITH REGULATIONS



It identifies motors or control units with power consumption in standby mode of ≤ 0.8 W.



This is the device which guarantees maximum precision during the automation manoeuvring steps. In the operators it indicates the physical presence of the device, in the control units it indicates its management.



The control unit recreates the encoder signal starting from the measurement of certain parameters of the electric motor.



Intelligent power control system that allows obtaining dynamic data through a precise calculation of the thrust. The system is able to locate any critical points and adjust the torque accordingly in relation to actual requirements and according to measured performance.



This is a protocol for connection with KNX home automation systems by connection of the X.BE card (optional).

PERFORMANCE



This identifies that a product belongs to a range of products characterised by an opening speed which is much higher than standard values.



The inverter technology allows the speed of the motor to be gradually varied, during both acceleration and deceleration, as well as guaranteeing a more precise adjustment of the gate movement phases and a greater anti-crushing safety.



Gear motors with oil lubrication to guarantee the maximum lifespan of the reducer and high levels of performance.

FUNCTIONS



Predisposition to manage the control unit using the BeUP app and pro.UP accessory which, by recreating the control unit menu, makes it possible to adjust parameters and logic, read error messages and update the firmware. It is possible to perform remote diagnostics, check the status of the gate and send commands.



This function automatically adjusts the operational parameters for simplifying the system's installation and testing operations.



This is used to set the number of cycles after which the required maintenance of the system is signaled.



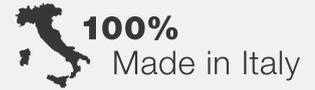
This allows a code to be entered for protection of the control unit programming, to prevent access to menus and modification of parameters.



This indicates the number of transmitters which can be stored inside the receiver.

QUALITY AND MADE IN ITALY

In-house production and careful selection of the materials are key elements of our "doing automation". Craftsmanship has evolved over the years to create space for industrial processes, enabling us to achieve many more of those objectives of excellence which form part of our DNA.



Thanks to the passion for our work and the investments made, we have always maintained in-house production over the years. This has enabled us to obtain the 100% made in Italy certificate.



The Automatismi Benincà quality control system has been certified by TÜV Italia in accordance with ISO 9001. The certificate declares compliance with international standard ISO 9001 and confirms the undertaking of the company to safeguard the organisational system as required by the standard.



UNAC (Unione Nazionale Assistenza Costruttori) is an Italian organization that represents and promotes the interests of companies and professionals in the building and construction sector. The association is committed to improving working conditions within the construction industry, promoting occupational safety and supporting the development of the construction sector in Italy. Benincà has been a member since 1986.



Being a KNX member means developing products which are certified by the association as compatible with the universal protocol for management of houses and buildings in general. Integration of systems with this protocol in fact makes the automation devices perfectly compatible with the most sophisticated home automation systems.



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INSTALLATION GUIDE

Training

This section provides some suggestions and advice on selecting and installing the automated device. We have chosen to go into detail on two aspects. The first is the “duty cycle” shown in the technical data of all our products; the second is the effect of the installation geometry on motors for swing gates (linear and telescopic).

With regard to installation geometry, where the dimensions indicated in the manual cannot be used, this guide can give suggestions on how to install the system correctly. However, the duty cycle is considered important when assessing the type of motor to use and understanding how this calculation can be an important element in the selection process.

The **duty cycle** indicated in the technical data is the **ratio between ON time and TOTAL time**, expressed as a %, which, if complied with, enables the actuator to be used without the thermal protection intervening.

$$\text{duty cycle \%} = \frac{t_{\text{on}}}{t_{\text{tot}}} = \frac{t_{\text{on}}}{t_{\text{on}} + t_{\text{off}}}$$

For example, to calculate the possible operating cycle on a 6-meter long sliding gate, with a maneuver speed of 10 m/minute (omitting slow-downs), a TCA = 30 seconds and a duty cycle of 30%, we can calculate:

$t_{\text{on}} = \text{Opening time} + \text{Closing time} = \text{The time during which the gate is moving}$

$$\text{Opening time} = \text{Closing time} = \frac{6 \text{ m}}{10 \text{ m/minute}} = 0,6 \text{ minutes} = 36 \text{ seconds}$$

so: $t_{\text{on}} = 36 + 36 = 72 \text{ s}$

We can calculate the t_{off} , which is the time during which the gate is not moving:

$t_{\text{off}} = \text{TCA} + \text{Pause between one cycle and the next} = t_{\text{tot}} - t_{\text{on}}$

Given that the duty cycle is 30%, this means that:

$$\frac{t_{\text{on}}}{t_{\text{tot}}} = 30 \% = 0.3 \quad \text{so:} \quad t_{\text{tot}} = \frac{t_{\text{on}}}{0.3} = \frac{36 + 36}{0.3} = 240 \text{ seconds}$$

so: $t_{\text{off}} = 240 - 72 = 168 \text{ s}$

We can then calculate:

$$\text{Pause between one cycle and the next} = t_{\text{off}} - \text{TCA} = 168 - 30 = 138 \text{ seconds} = 2.3 \text{ minutes}$$

Therefore the operating cycle that can be set without the intervention of the thermal protection, is:

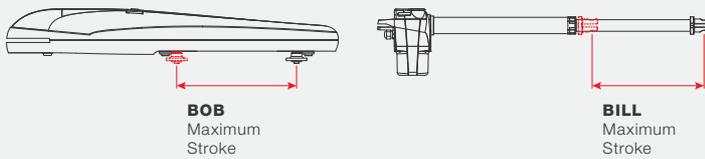
Opening = 36 seconds, **TCA** = 30 seconds, **Closure** = 36 seconds, **Pause** = 138 seconds

NOTE1: The duty cycle % indicated refers to a **reference ambient temperature**. Temperature changes can have a considerable effect on the duty cycle of the actuator.

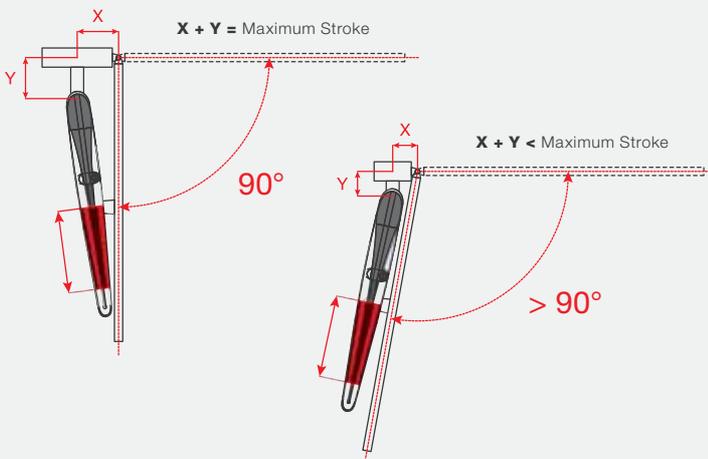
NOTE2: Slow-downs can affect the duty cycle as they increase the ON time for the same stroke length, but generally heat the actuator less than movement at full speed. In general, the movement speed affects the heating curve of motors and electronic components: the greater the speed the greater the heating, but the shorter the maneuver time for the same stroke length.



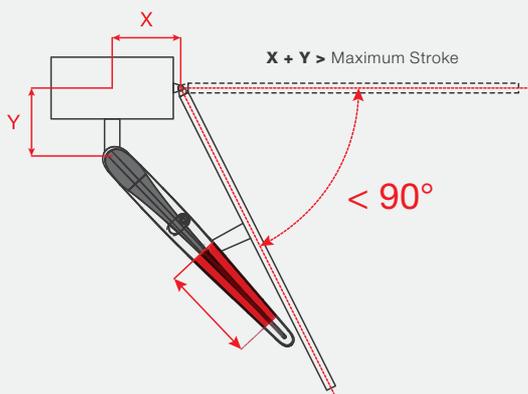
To install the product correctly so that it works properly and in compliance with regulations, please follow the instruction manual. If the dimensions indicated in the manual cannot be used, bear in mind the following general rules:



- For 90° opening, the sum of X+Y must be **less than or equal to** the maximum stroke of the actuator. If X+Y = Maximum Stroke, the entire stroke is used to open 90°. If X+Y < Maximum Stroke, the entire stroke is not used to open 90°. In this case, consider the sum of X+Y to be equal to the actual stroke of the maneuver, therefore the time to open 90° will be **less** than the standard, and the movement speed of the gate will be **higher** than the standard, so special attention must be paid to compliance with the impact curves specified in the regulations.
- To open the gate to an angle of more than 90°, the sum of X+Y must be **less** than the maximum stroke of the actuator.



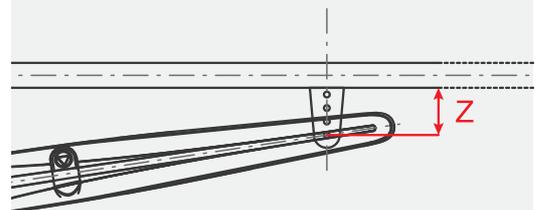
- If X+Y > Maximum Stroke, the opening angle of the gate will be less than 90°.



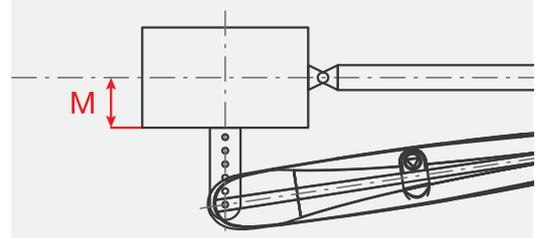
In standard applications, with inward opening, it is good practice to keep the dimensions X and Y almost equal to each other and restrict the difference between them to around 40 mm maximum to **avoid large changes in the speed of the gate during the maneuver**:

- If $X < Y$, in the opening maneuver, the gate starts at a **high speed** and completes the maneuver **slowly**, and vice versa in the closing maneuver (ensure compliance with the impact curves specified in the regulations!);
- However, if $X > Y$, in the opening maneuver, the gate starts **slowly** and completes the maneuver **increasing speed** (ensure compliance with the impact curves specified in the regulations!) and vice versa in the closing maneuver.

- The **minimum dimension Z** is used to prevent the actuator from touching the gate while it is moving: In telescopic models (BILL) this dimension is usually less than in linear models (BOB).



- The **maximum dimension M** is used to prevent the actuator from touching the post during the maneuver.





AUTOMATIONS FOR SWING GATES

LINEAR WORM SCREWS

				CONTROL UNITS
	BOB21 leaf up to 2,1 m	230 Vac	BOB21M KBOB21M	BRAINY HEADY HEADY
		24 Vdc intensive use	BOB2124.DK KBOB2124.DK	BRAINY24 ^{PLUS} BRAINY24 TRUST24 TRUST24
	BOB30 leaf up to 3,0 m	230 Vac	BOB30M BOB30ME BOB30ME.DK KBOB30M KBOB30ME.B	BRAINY HEADY BRAINY BRAINY HEADY BRAINY
			BOB3024E.DK BOB3024E KBOB3024E.DK	BRAINY24 ^{PLUS} BRAINY24 TRUST24 BRAINY24 ^{PLUS} BRAINY24 TRUST24 TRUST24
		24 Vdc intensive use		
BOB50 leaf up to 5,0 m	230 Vac	BOB50M BOB50ME BOB50ME.DK	BRAINY HEADY BRAINY BRAINY	
	24 Vdc intensive use	BOB5024E	BRAINY24 ^{PLUS} BRAINY24	

ARTICULATED ARM

				CONTROL UNITS
	KBN24 leaf up to 2,1 m	24 Vdc intensive use	KBN24	CP.BN*
		24 Vdc intensive use	SAM.24 SAM.E24 KSAM	BRAINY24 ^{PLUS} BRAINY24 TRUST24 CP.SAM* CP.SAM*
	MBE leaf up to 2,5 m	24 Vdc intensive use	MB24 MBE24 KMB24	BRAINY24 ^{PLUS} BRAINY24 CP.MBY24* CP.MBY24*
		230 Vac	PR.45E PR.45EE KPR	BRAINY HEADY BRAINY HEADY
	24 Vdc intensive use		PR.45E24 KPR24.B	BRAINY24 ^{PLUS} BRAINY24 BRAINY24
	PREMIER leaf up to 3,0 m	230 Vac	PR.45EL	BRAINY HEADY
	PREMIER leaf up to 4,0 m	230 Vac	DU.350FX	BRAINY HEADY
	DU.350FX leaf up to 4,0 m	230 Vac		



**LINEAR
TELESCOPIC
OPERATOR**

			CONTROL UNITS
BILL30 leaf up to 2,5 m	230 Vac	BILL30M KBILL30M	BRAINY HEADY HEADY
TOM30 leaf up to 3,0 m	230 Vac	TOM30M TOM30ME TOM30MLT KTOM30M KTOM30ME.B KTOM30MLT	BRAINY HEADY BRAINY BRAINY HEADY HEADY BRAINY HEADY
	24 Vdc intensive use	TOM3024E TOM3024LT KTOM3024E KTOM3024LT	BRAINY24 ^{PLUS} BRAINY24 TRUST24 BRAINY24 ^{PLUS} BRAINY24 TRUST24 TRUST24 TRUST24
BILL40 leaf up to 3,5 m	230 Vac	BILL40M KBILL40M	BRAINY HEADY HEADY
	24 Vdc intensive use	BILL4024 KBILL4024	BRAINY24 ^{PLUS} BRAINY24 TRUST24 TRUST24
TOM40 leaf up to 4,0 m	230 Vac	TOM40M TOM40MLT KTOM40M KTOM40MLT	BRAINY HEADY BRAINY HEADY HEADY HEADY
	24 Vdc intensive use	TOM4024E TOM4024LT KTOM4024E KTOM4024LT	BRAINY24 ^{PLUS} BRAINY24 TRUST24 BRAINY24 ^{PLUS} BRAINY24 TRUST24 TRUST24 TRUST24
BILL50 leaf up to 4,0 m	230 Vac	BILL50M KBILL50M	BRAINY HEADY HEADY
TOM50 leaf up to 5,0 m	230 Vac	TOM50M	BRAINY HEADY
	24 Vdc intensive use	TOM5024E	BRAINY24 ^{PLUS} BRAINY24 TRUST24

**UNDERGROUND
INSTALLATION**

			CONTROL UNITS
DU.IT leaf up to 2,1 m	230 Vac	DU.IT14NV DU.IT14NVE DU.IT14NVE-10	BRAINY HEADY BRAINY BRAINY
DU.350 leaf up to 3,0 m	230 Vac	DU.350NV DU.350NVE DU.350NVE-10	BRAINY HEADY BRAINY BRAINY
DU.IT leaf up to 3,5 m	230 Vac	DU.IT14N DU.IT14N-10 DU.IT14NE	BRAINY HEADY BRAINY HEADY BRAINY
	24 Vdc intensive use	DU.IT24NVE	BRAINY24 ^{PLUS} BRAINY24
DU.350 leaf up to 4,0 m	230 Vac	DU.350N DU.350NGE	BRAINY HEADY BRAINY

* Built-in control unit



GUIDE FOR CHOOSING

Choose the weight and the length in the chart and find out the most suitable model

BOB | LINEAR WORM SCREWS

		LEAF MAX WEIGHT									
		200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	600 kg	700 kg	800 kg
GATE LENGTH	1,5 m	BOB21M	BOB21M	BOB21M	BOB21M	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	1,8 m	BOB21M	BOB21M	BOB21M	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	2,1 m	BOB21M	BOB21M	BOB30M* BOB3024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	2,5 m	BOB30M BOB50M BOB3024E BOB5024E	BOB30M BOB50M BOB3024E BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	3 m	BOB30M BOB50M BOB3024E BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M
	3,5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M			
	4 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M				
	4,5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M					
	5 m	BOB50M BOB5024E	BOB50M BOB5024E	BOB50M	BOB50M						

TOM - BILL | LINEAR TELESCOPIC OPERATOR

		LEAF MAX WEIGHT											
		150 kg	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	550 kg	600 kg	700 kg	
GATE LENGTH	1,8 m	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL30M BILL40M BILL4024	BILL40M BILL4024	BILL40M BILL4024	BILL40M BILL4024	BILL40M	---	---	
	2,1 m	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL30M BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM40 TOM50 BILL50M	TOM40 TOM50	TOM50
	2,5 m	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M BILL4024	TOM30 TOM40 TOM50 BILL40M BILL50M	TOM30 TOM40 TOM50 BILL40M BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM40 TOM50 BILL50M	TOM40 TOM50	TOM50	TOM50	
	3 m	TOM30 TOM40 TOM50 BILL40M BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM30 TOM40 TOM50 BILL50M	TOM40 TOM50	TOM40 TOM50	TOM50	TOM50				
	3,5 m	TOM40 TOM50 BILL50M	TOM40 TOM50 BILL50M	TOM40 TOM50	TOM40 TOM50	TOM40 TOM50	TOM50						
	4 m	TOM40 TOM50	TOM40 TOM50	TOM40 TOM50	TOM40 TOM50	TOM50							
	4,5 m	TOM50	TOM50	TOM50	TOM50								
	5,0 m	TOM50	TOM50	TOM50									



SAM - BEN - MB - DU.350FX | ARTICULATED ARM

		LEAF MAX WEIGHT								
		150 kg	200 kg	250 kg	280 kg	300 kg	350 kg	400 kg	500 kg	600 kg
GATE LENGTH	1 m	SAM KBN24	SAM KBN24	SAM KBN24	SAM PR.45E MBE24	SAM PR.45E MBE24	PR.45E MBE24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
	1,5 m	SAM DU.350FX KBN24	SAM DU.350FX KBN24	SAM DU.350FX PR.45E MBE24	SAM DU.350FX PR.45E MBE24	DU.350FX PR.45E MBE24	DU.350FX PR.45E MBE24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24
	1,8 m	SAM KBN24	SAM PR.45E MBE24 KBN24	SAM PR.45E MBE24	SAM PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
	2,1 m	SAM DU.350FX PR.45E MBE24 KBN24	SAM DU.350FX PR.45E MBE24	SAM DU.350FX PR.45E MBE24	DU.350FX PR.45E MBE24	DU.350FX PR.45E PR.45EL MBE24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24
	2,5 m	SAM DU.350FX PR.45E MBE24	DU.350FX PR.45E MBE24	DU.350FX PR.45E MBE24	DU.350FX PR.45E MBE24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	PR.45EL
	3 m	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	DU.350FX PR.45EL PR.45E PR.45E24	PR.45EL	
	3,5 m	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	PR.45EL		
	4 m	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL	DU.350FX PR.45EL				

DU.IT - DU.350 | UNDERGROUND INSTALLATION

		LEAF MAX WEIGHT								
		250 kg	300 kg	350 kg	400 kg	500 kg	550 kg	600 kg	700 kg	800 kg
GATE LENGTH	1,5 m	DU.IT14NV/E	DU.IT14NV/E	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV
	2,1 m	DU.IT14N/E DU.IT14NV/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE
	2,5 m	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE	
	3 m	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350NV	DU.IT14N/E DU.IT24NVE DU.350N/NGE DU.350NV	DU.IT14N/E DU.350N DU.350NGE DU.350NV	DU.350N DU.350NGE	DU.350N DU.350NGE		
	3,5 m	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.IT24NVE DU.350N DU.350NGE	DU.IT14N/E DU.350N DU.350NGE	DU.IT14N/E DU.350N DU.350NGE	DU.350N DU.350NGE			
	4 m	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE	DU.350N DU.350NGE				

NOTES

We recommend the use of an electric lock

* With BOB.SL accessory

In the event of wind and a solid door the operating limits may vary.



230_{VAC}

BOB21M



CONTROL UNITS:

BOB21M — BRAINY 140
 HEADY 141

LINEAR WORM SCREWS

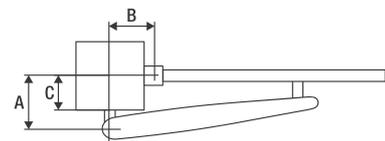
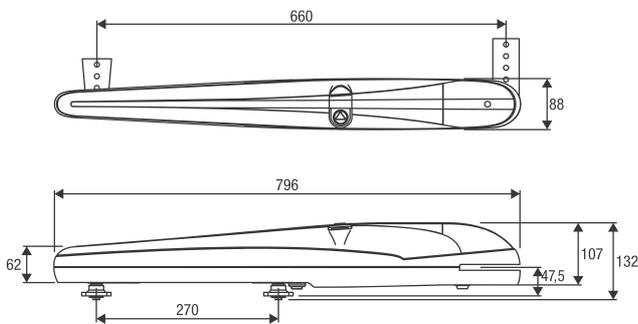
patented FACE gears

up to 2.1 m



230 Vac

- Irreversible 230 Vac electromechanical geared motor
- Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing
- Easy access release from above



A (mm)	B (mm)	C (mm)
105-135	115-135	50-80

COMPLETE KITS	 MOTORS	 CONTROL UNIT	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
KBOB21M	2x BOB21M	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**B3.SR**

Screw-in brackets with easy fixing.

**B.SR**

Multiposition brackets for one operator.

**BOB.SN**

Rear joint for sloping openings.

**BOB.CS**

Lock with personalized key and cover for unlock system.

**B.P**

Screw-on plate.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

TECHNICAL DATA	BOB21M*
Motor supply	230 Vac (50-60Hz)
Max absorbed current	1.5 A
Max Thrust	1800 N
Opening time	18"
Duty cycle	30%
Standard stroke	270 mm
Max stroke	325 mm
Protection level	IP44
Encoder	NO
Operating temperature	-20°C /+50°C
Leaf max dimension	2.1 m
Weight	8.2 kg
Items no. per pallet	50
Kit weight	19.1 kg
N. kit per pallet	18

* Available in 115 VAC version



230VAC

24VDC



BOB30M

BOB3024E

LINEAR WORM SCREWS

patented FACE gears
full metal mechanics
gear and female screw in bronze
personalised release key

up to 3.0 m



CONTROL UNITS:

BOB30M	—	BRAINY	140
		HEADY	141
BOB30ME	—	BRAINY	140
BOB30ME.DK	—	BRAINY	140
BOB3024E	—	BRAINY24 ^{PLUS}	148
		BRAINY24	149
		TRUST24	150



NEW VERSION AVAILABLE

BOB30ME.DK

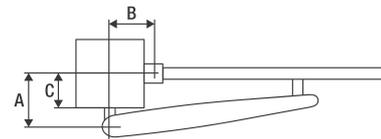
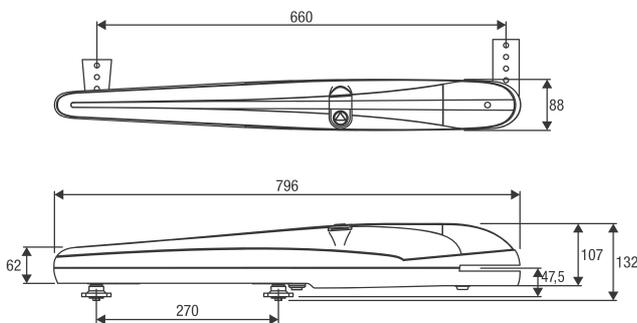
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Rolled ball screws Ø 20 mm. Easy access release from above.

230 Vac

- Irreversible 230 Vac electromechanical geared motor
- The encoder device in the BOB30ME version ensures crush prevention and precision in the gate moving phases

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- The TRUST24 control unit ensures power consumption in standby mode of < 0.8 W
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)
105-135	115-135	50-80

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCESLS	FLASHING LIGHT	TRANSMITTER
KBOB30M	2x BOB30M	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBOB30ME.B	2x BOB30ME	1x BRAINY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**B3.SR**

Screw-in brackets with easy fixing.

**B.SR**

Multiposition brackets for one operator.

**BOB.SN**

Rear joint for sloping openings.

**B.P**

Screw-on plate.

**BOB.SL**

Rear extension for BOB30 series models, for increased performances of up to 15% and installations with compact footprint.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB30M*	BOB30ME*	BOB30ME.DK	BOB3024E*
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.8 A	1.8 A	1.8 A	5.5 A
Max Thrust	2300 N	2300 N	2300 N	1800 N
Opening time	18"	18"	18"	9" ÷ 21"
Duty cycle	30%	30%	30%	intensive use
Standard stroke	270 mm	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm	325 mm
Protection level	IP44	IP44	IP44	IP44
Encoder	NO	YES	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m	3 m	3 m
Weight	8.5 kg	8.5 kg	8.5 kg	8 kg
Items no. per pallet	50	50	50	50
Kit weight	19.6 kg	20.5 kg	---	20.7 kg
Kits no. per pallet	18	18	---	18

* Available in 115 VAC version

230_{VAC}24_{VDC}

BOB50M

BOB5024E

LINEAR WORM SCREWS

patented FACE gears
full metal mechanics
gear and female screw in bronze
personalised release key

up to 5.0 m



CONTROL UNITS:

BOB50M	BRAINY	140
	HEADY	141
BOB50ME	BRAINY	140
BOB50ME.DK	BRAINY	140
BOB5024E	BRAINY24 ^{PLUS}	148
	BRAINY24	149



NEW VERSION AVAILABLE

BOB50ME.DK



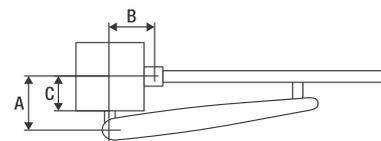
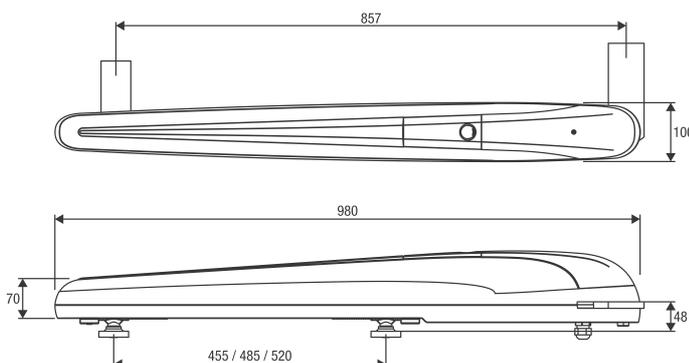
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Rolled ball screws Ø 20 mm. Easy access release from above.

230 Vac

- Irreversible 230 Vac electromechanical geared motor
- Available in two versions: one with an easily adjustable limit switch (BOB50M) the other with encoder (BOB50ME)
- The encoder device in the BOB50ME version ensures crush prevention and precision in the gate moving phases

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use, equipped with encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)
150-225	150-225	90-155

**B5.SR**

Bracket to attach with screws.

**B.P**

Screw-on plate.

**BOB.SN**

Rear joint for sloping openings.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB50M*	BOB50ME*	BOB50ME.DK	BOB5024E*
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.4 A	1.4 A	1.4 A	6.7 A
Max Thrust	3500 N	3500 N	3500 N	2200 N
Opening time	26"	26"	26"	21"
Duty cycle	30%	30%	30%	intensive use
Standard stroke	455 mm	455 mm	455 mm	455 mm
Max stroke	520 mm	520 mm	520 mm	520 mm
Protection level	IP44	IP44	IP44	IP44
Encoder	NO	YES	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	5 m	5 m	5 m	5 m
Weight	11.6 kg	11.6 kg	11.6 kg	10.2 kg
Items no. per pallet	30	30	30	30

* Available in 115 VAC version

230_{VAC}24_{VDC}

BOB2124.DK

BOB3024E.DK

**CONTROL UNITS:**

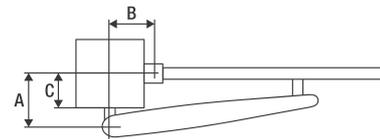
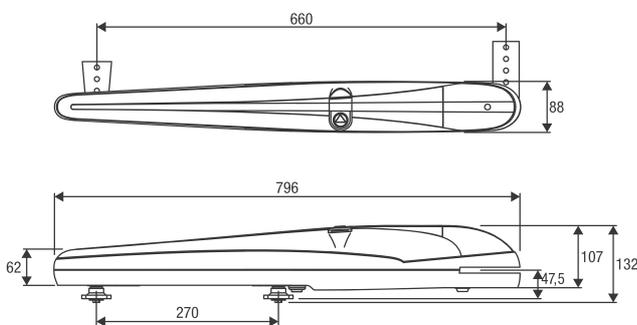
BOB2124.DK	BRAINY24 ^{PLUS}	148
	BRAINY24	149
	TRUST24	150
BOB3024E.DK	BRAINY24 ^{PLUS}	148
	BRAINY24	149
	TRUST24	150

LINEAR WORM SCREWS

adjustable mechanical stops in opening and closing
 patented FACE gears
 bronze release wheel
 BOB3024E.DK: bronze screwdriver

up to 3.0 m**24 Vdc | intensive use**

- Irreversible electromechanical 24 Vdc gear motor for intensive use, also available with encoder (BOB3024E.DK)
- The TRUST24 control unit ensures power consumption in standby mode of < 0.8 W
- Amperometric sensor obstacle detection system to prevent crushing
- Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing
- Easy-access top release with customised key (BOB3024E.DK)
- Optional battery powered operation
- Easy to install thanks to the included screw-on brackets



A (mm)	B (mm)	C (mm)
105-135	115-135	50-80

COMPLETE KITS					
	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KBOB2124.DK	2x BOB2124.DK	1x TRUST24	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBOB3024E.DK	2x BOB3024E.DK	1x TRUST24	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**BOB.SN**

Rear joint for sloping openings.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BOB2124.DK*	BOB3024E.DK*
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5,5 A	5,5 A
Max Thrust	1500 N	1500 N
Opening time	12"	12"
Duty cycle	intensive use	intensive use
Standard stroke	270 mm	270 mm
Max stroke	325 mm	325 mm
Protection level	IP44	IP44
Encoder	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2,1 m	3 m
Weight	6,4 kg	6,7 kg
Items no. per pallet	50	50
Kit weight	14,7 kg	15,3 kg
Kits no. per pallet	18	18

* Available in 115 VAC version

230_{VAC}24_{VDC}

TOM30M

TOM3024E

LINEAR TELESCOPIC OPERATOR

adjustable mechanical stops in opening and closing
 patented FACE gears
 bronze alloy release wheel
 personalised release key

fino a 3,0 m



CONTROL UNITS:

TOM30M	—	BRAINY	140
		HEADY	141
TOM30ME	—	BRAINY	140
TOM3024E	—	BRAINY24 ^{PLUS}	148
		BRAINY24	149
		TRUST24	150

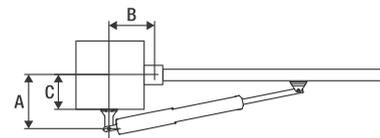
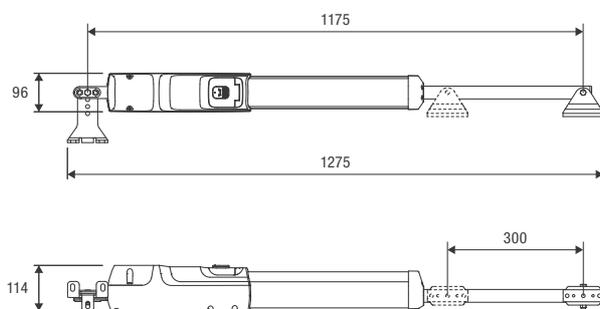
Reliable and innovative gear motor, thanks to the 2 adjustable mechanical stops in opening and closing accessible from above and positioned under the metal cover of the shaft. Available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and screw-in brackets. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the actuator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.

230 Vac

- Irreversible 230 Vac electromechanical gear motor
- Available in two versions: one with easily adjustable limit switch and accessible from above (TOM30M), the other with encoder (TOM30ME)
- The encoder device in the TOM30ME version ensures crush prevention and precision in the gate moving phases

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with encoder
- The TRUST24 control unit ensures power consumption in standby mode of < 0.8 W
- The encoder guarantees maximum safety and precision while the gate is moving
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation



A (mm)	B (mm)	C (mm)
100-182,5	110-200	25-110

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KTOM30M	2x TOM30M	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KTOM30ME.B	2x TOM30ME	1x BRAINY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KTOM3024E	2x TOM3024E	1x TRUST24	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**TOM.SR**

Rear adjustable screw-in bracket.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM30M	TOM30ME	TOM3024E*
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.3 A	1.3 A	5.5 A
Max Thrust	2000 N	2000 N	1500 N
Opening time	18"	18"	11"
Duty cycle	30%	30%	intensive use
Max stroke	300 mm	300 mm	300 mm
Protection level	IP44	IP44	IP44
Mechanical stops	YES	YES	YES
Limit switches	YES	NO	NO
Encoder	NO	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m	3 m
Weight	9,6 kg	9,6 kg	9 kg
Items no. per pallet	49	49	49
Kit weight	21.4 kg	22.1 kg	18.4 kg
Kits no. per pallet	12	12	12

* Available in 115 VAC version

230_{VAC}24_{VDC}

TOM40M

TOM4024E



LINEAR TELESCOPIC OPERATOR

adjustable mechanical stops in opening and closing
patented FACE gears
bronze alloy release wheel
personalised release key



fino a 4,0 m



CONTROL UNITS:

TOM40M	BRAINY	140
	HEADY	141
TOM4024E	BRAINY24 ^{PLUS}	148
	BRAINY24	149
	TRUST24	150



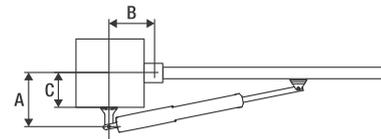
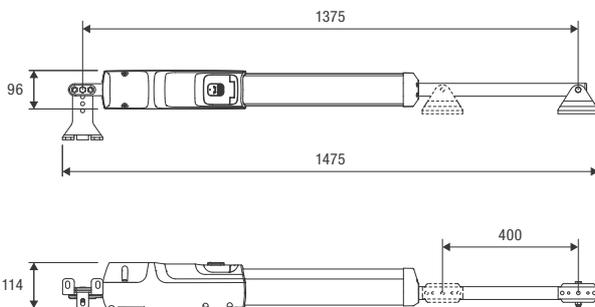
230 Vac

- Irreversible 230 Vac electromechanical gear motor
- Equipped with easily adjustable limit switches in opening and closing and accessible from above

Reliable and innovative gear motor, thanks to the 2 adjustable mechanical stops in opening and closing accessible from above and positioned under the metal cover of the shaft. Available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and screw-in brackets. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the actuator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with encoder
- The TRUST24 control unit ensures power consumption in standby mode of < 0.8 W
- The encoder guarantees maximum safety and precision while the gate is moving
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation



A (mm)	B (mm)	C (mm)
100-272,5	110-200	25-200

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KTOM40M	2x TOM40M	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KTOM4024E	2x TOM4024E	1x TRUST24	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**TOM.SR**

Rear adjustable screw-in bracket.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM40M	TOM4024E*
Motor supply	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.3 A	5.5 A
Max Thrust	2000 N	1500 N
Opening time	24"	15"
Duty cycle	30%	intensive use
Max stroke	400 mm	400 mm
Protection level	IP44	IP44
Mechanical stops	YES	YES
Limit switches	YES	NO
Encoder	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	4 m
Weight	8.4 kg	8.9 kg
Items no. per pallet	49	49
Kit weight	22.7 kg	19.8 kg
Kits no. per pallet	10	10

* Available in 115 VAC version

230_{VAC}

 24_{VDC}

ENCODER

BATT

TOM50M

TOM5024E

LINEAR TELESCOPIC OPERATOR

adjustable mechanical stops in opening and closing
 patented FACE gears
 bronze alloy release wheel
 personalised release key

fino a 5,0 m



CONTROL UNITS:

TOM50M		BRAINY	140
		HEADY	141
TOM5024E		BRAINY24 ^{PLUS}	148
		BRAINY24	149
		TRUST24	150



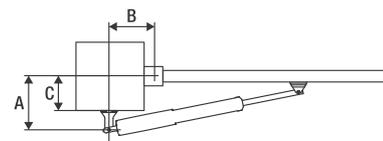
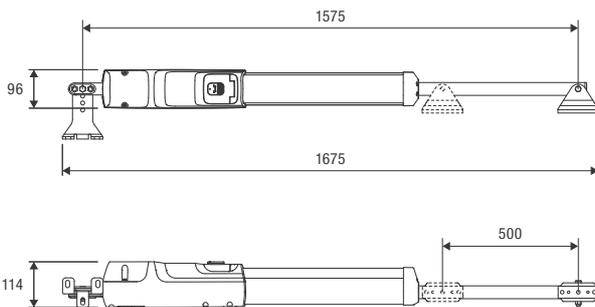
230 Vac

- Irreversible 230 Vac electromechanical gear motor
- Equipped with easily adjustable limit switches in opening and closing and accessible from above

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with encoder
- The TRUST24 control unit ensures power consumption in standby mode of < 0.8 W
- The encoder guarantees maximum safety and precision while the gate is moving
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation

Reliable and innovative gear motor, thanks to the 2 adjustable mechanical stops in opening and closing accessible from above and positioned under the metal cover of the shaft. Available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and screw-in brackets. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the actuator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.



A (mm)	B (mm)	C (mm)
100-272,5	150-250	25-200

**TOM.SR**

Rear adjustable screw-in bracket.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM50M	TOM5024E*
Motor supply	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.3 A	5.5 A
Max Thrust	2000 N	1500 N
Opening time	30"	19"
Duty cycle	30%	intensive use
Max stroke	500 mm	500 mm
Protection level	IP44	IP44
Mechanical stops	YES	YES
Limit switches	YES	NO
Encoder	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	5 m	5 m
Weight	10.9 kg	9.4 kg
Items no. per pallet	49	49

* Available in 115 VAC version

230_{VAC}24_{VDC}

TOM30MLT

TOM3024LT

**CONTROL UNITS:**

TOM30MLT	BRAINY	140
	HEADY	141
TOM3024LT	BRAINY24 ^{PLUS}	148
	BRAINY24	149
	TRUST24	150

LINEAR TELESCOPIC OPERATOR

patented FACE gears
bronze alloy release wheel

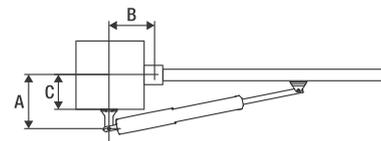
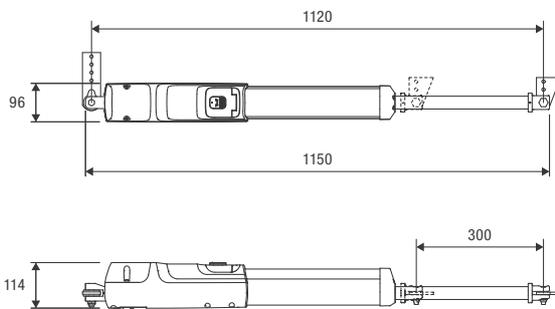
fino a 3,0 m**230 Vac**

- Irreversible 230 Vac electromechanical gear motor

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use
- The TRUST24 control unit ensures power consumption in standby mode of < 0.8 W
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation

Gear motor available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and fixing brackets to weld. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the actuator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.



A (mm)	B (mm)	C (mm)
125-150	135-150	65-90

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KTOM30MLT	2x TOM30MLT	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KTOM3024LT	2x TOM3024LT	1x TRUST24	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**TOM.CS**

Personalised key lock.

**B.SR**

Multiposition brackets for one operator.

**B.P**

Screw-on plate.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM30MLT	TOM3024LT*
Motor supply	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.3 A	5.5 A
Max Thrust	2000 N	1500 N
Opening time	18"	11"
Duty cycle	intensive use	intensive use
Standard stroke	300 mm	300 mm
Max stroke	315 mm	315 mm
Protection level	IP44	IP44
Mechanical stops	NO	NO
Limit switches	NO	NO
Encoder	NO	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m
Weight	9.6 kg	9 kg
Items no. per pallet	49	49
Kit weight	22.1 kg	18.4 kg
Kits no. per pallet	12	12

* Available in 115 VAC version

230_{VAC}24_{VDC}

TOM40MLT

TOM4024LT

**CONTROL UNITS:**

TOM40MLT	BRAINY	140
	HEADY	141
TOM4024LT	BRAINY24 ^{PLUS}	148
	BRAINY24	149
	TRUST24	150

LINEAR TELESCOPIC OPERATOR

patented FACE gears
bronze alloy release wheel

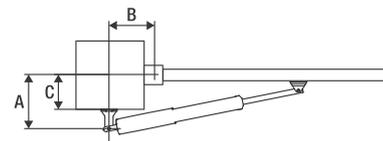
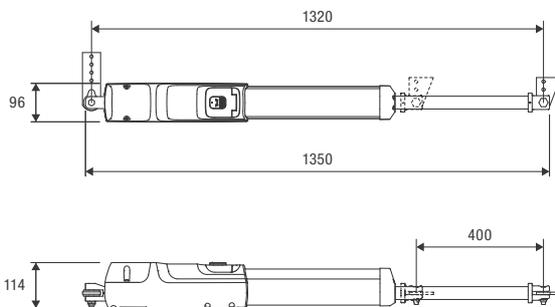
fino a 4,0 m**230 Vac**

- Irreversible 230 Vac electromechanical gear motor

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use
- The TRUST24 control unit ensures power consumption in standby mode of < 0.8 W
- Amperometric sensor obstacle detection system to prevent crushing
- Possibility of battery operation

Gear motor available in 230 Vac and 24 Vdc versions. Ideal for the automation of any type of swing gate thanks also to the compact footprints (only 96 mm width) and fixing brackets to weld. The 45° inclination of the wiring cable allows the distance from the ground to be reduced to a minimum. The rear and front brackets, aligned on the same axis, enable the better distribution of loads by optimizing the lifespan of the actuator. The worm screw protected by wiper ring and stainless steel shaft make it suitable for dusty or sandy environments, or places with aggressive weather conditions.



A (mm)	B (mm)	C (mm)
100-270	120-200	45-200

COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KTOM40MLT	2x TOM40MLT	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KTOM4024LT	2x TOM4024LT	1x TRUST24	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**TOM.CS**

Personalised key lock.

**B.SR**

Multiposition brackets for one operator.

**B.P**

Screw-on plate.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**CABLE.24E**

Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.

**XLB.CB**

Battery box fitted with universal bracket and cables. IP54.

**DA.LB**

Galvanized column for outdoor installation of LB box.

**BRAINY24.CB-SW**

Accessory equipped with 1.2 Ah batteries and support bracket.

**BRAINY24.CB**

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	TOM40MLT	TOM4024LT*
Motor supply	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.3 A	5.5 A
Max Thrust	2000 N	1500 N
Opening time	24"	15"
Duty cycle	intensive use	intensive use
Standard stroke	400 mm	400 mm
Max stroke	415 mm	415 mm
Protection level	IP44	IP44
Mechanical stops	NO	NO
Limit switches	NO	NO
Encoder	NO	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	4 m
Weight	8.4 kg	8.9 kg
Items no. per pallet	49	49
Kit weight	22.7 kg	19.8 kg
Kits no. per pallet	10	10

* Available in 115 VAC version

230_{VAC}

BILL

24_{VDC}

LINEAR TELESCOPIC OPERATOR

personalised release key

up to 4.0 m



CONTROL UNITS:

BILL30M		BRAINY	140
		HEADY	141

BILL40M		BRAINY	140
		HEADY	141

BILL4024		BRAINY24 ^{PLUS}	148
		BRAINY24	149
		TRUST24	150

BILL50M		BRAINY	140
		HEADY	141



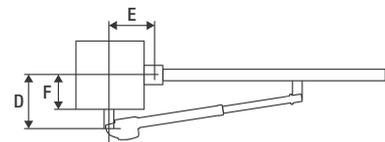
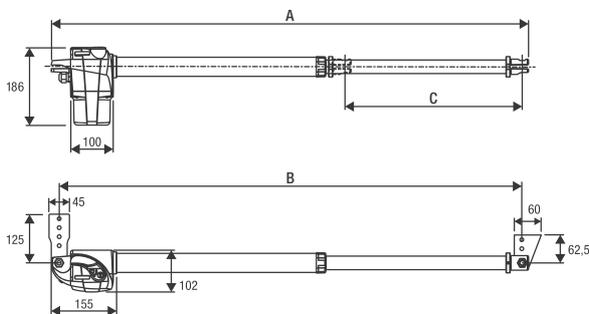
230 Vac

- Irreversible 230 Vac electromechanical geared motor

24 Vdc | intensive use

- 24 Vdc irreversible electromechanical geared motor for intensive use
- Anti-crushing system with amperometric sensor
- Prepared for battery back-up system

Irreversible electromechanical geared motor, available with power options 230 VAC or 24 VDC. Ideal for automation devices for wrought iron gates, this product is very small and suitable for a quick and easy installation. Worm screw protected by a scraper ring and stainless steel stem, suitable for dusty or sandy environments, or places with aggressive weather conditions. Available in right or left side versions.



	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)
BILL30	909	875	300	100-150	100-150	60-100
BILL40	1109	1075	400	100-200	100-200	65-150
BILL50	1309	1275	500	120-250	120-250	80-190

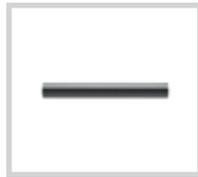
COMPLETE KITS	MOTORS	CONTROL UNIT	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KBILL30M	2x BILL30M	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBILL40M	2x BILL40M	1x HEADY	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBILL4024	2x BILL4024	1x TRUST24	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA



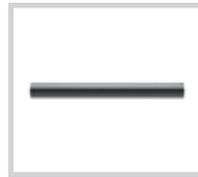
B.SR
Multiposition brackets for one operator.



BILL30.CO
Telescopic stem cover accessory.



BILL40.CO
Telescopic stem cover accessory.



BILL50.CO
Telescopic stem cover accessory.



SNC.90
Bracket for 90° cable orientation.
Package of 2 pcs.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



XLB.CB
Battery box fitted with universal bracket and cables. IP54.



DA.LB
Galvanized column for outdoor installation of LB box.



BRAINY24.CB-SW
Accessory equipped with 1.2 Ah batteries and support bracket.



BRAINY24.CB
Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BILL30M*	BILL40M*	BILL50M*	BILL4024*
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.1 A	1.1 A	1.1 A	5 A
Max Thrust	2800 N	2800 N	2800 N	2000 N
Opening time	16"	18"	21"	15"
Duty cycle	30%	30%	30%	intensive use
Standard stroke	300 mm	400 mm	500 mm	400 mm
Max stroke	320 mm	420 mm	520 mm	420 mm
Protection level	IP54	IP54	IP54	IP54
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2,5 m	3,5 m	4,0 m	3,5 m
Weight	6.1 kg	6.7 kg	6.9 kg	5.5 kg
Items no. per pallet	62	48	48	48
Kit weight	14.6 kg	15.5 kg	16.2 kg	14.6 kg
Kits no. per pallet	40	30	30	30



SAM



ARTICULATED ARM

control unit with built-in encoder and receiver
built-in ESA+ system
built-in battery charger



fino a 2,5 m



24 Vdc | intensive use

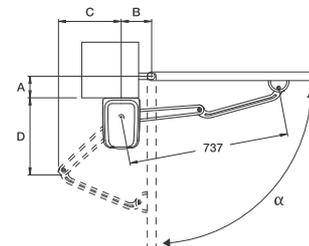
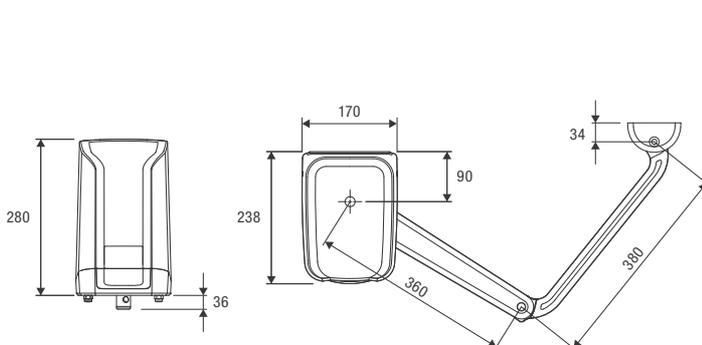


- Irreversible 24 Vdc gear motor for intensive use available with or without control unit
- The control unit, accessible from above, is positioned on a removable support that facilitates installation operations and provides quick access to the mechanical stops
- 100 ÷ 250 Vac switching power supply that reduces consumption and ensures the long life of the actuator
- Ideal for swing gates with large columns and leaf hinges up to 280 mm deep (just 170 mm wide)
- The encoder guarantees maximum safety and precision while the gate is moving
- STC System device that enables torque management in relation to the position of the gate, guaranteeing maximum safety
- Sturdy arm fitted with a closing lock that helps define the limit switch position during installation
- Motor fixing bracket fitted with cable gland
- Operation guaranteed even in the event of a power supply failure through batteries that integrate perfectly into the motor
- Amperometric sensor obstacle detection system to prevent crushing
- Can be connected with the X.BE module for the integration of KNX home automation systems and programmed via the BeUP app and PRO.UP interface
- Option of adjustable flush release that allows opening from the outside in the event of a power supply failure



CENTRALI DI COMANDO:

SAM.E24	CP.SAM	166
SAM.24	BRAINY24 ^{PLUS}	148
	BRAINY24	149
	TRUST24	150



α	A (mm)	B (mm)	C (mm)	D (mm)
90°	20	140	260	390
90°	50	140	270	380
90°	120	140	300	350
90°	200	140	315	330
90°	280	150	300	345
100°	50	160	330	305
105°	100	200	360	255
110°	50	210	365	240
120°	20	250	380	180

COMPLETE KITS						
KSAM	1x SAM.E24	1x SAM.24	2x SAM.BA	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA



SAM.BA
Articulated arm.



SAM.BS
Sliding arm.



SAM.SN
Articulated arm for sloping doors.



SAM.STOP
Additional mechanical stop.
Package of 2 pcs.



SAM.LOCK
Lock with personalised key.



SAM.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



DA.LB
Galvanized column for outdoor installation of LB box.



SAM.BAT
1.2 Ah battery kit with bracket and cable.



SAM.CB
Kit composed of cables and brackets for batteries installation.
Pack of 5 pieces.

TECHNICAL DATA	SAM.24	SAM.E24
Power supply	---	100 ÷ 250 Vac (50-60 Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5.5 A	3.5 ÷ 1.9 A
Power consumption in stand-by	---	0.8 W
Torque	220 Nm	220 Nm
Opening time	14" (including slowdown)	14" (including slowdown)
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Mechanical stop in opening	adjustable	adjustable
Mechanical stop for closing	optional	optional
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.5 m	2.5 m
Weight	6 kg	7.9 kg
Items no. per pallet	45	45
Kit weight	17 kg	17 kg
Kits no. per pallet	20	20



KBN24



CONTROL UNITS:

BN.E24

CP.BN

167



ARTICULATED ARM

with integrated control unit and receiver

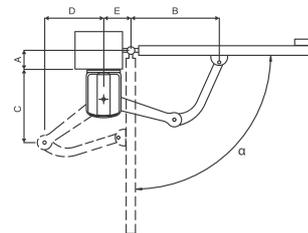
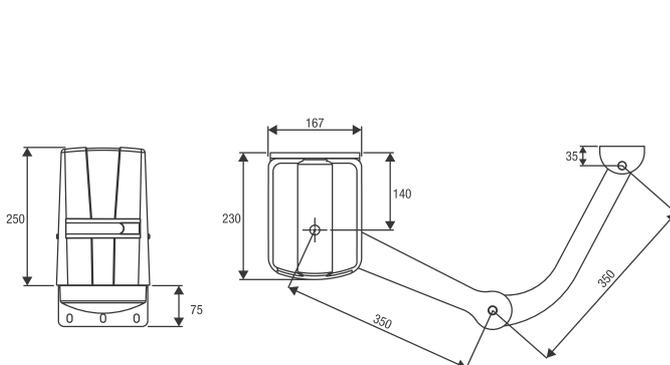
up to 2.1 m


PRODUCT BEING PHASED OUT



24 Vdc | intensive use

- 24Vdc electromechanical operator for intensive use
- Suitable for gates installed on large posts
- Operation guaranteed even in the event of a power supply failure through batteries
- Amperometric sensor obstacle detection system to prevent crushing
- Equipped with mechanical stop in opening
- New adjustable wire unlock device allows opening in the event of a power supply failure



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	α
0	470	382	253	140	90°
50	470	373	261	140	90°
100	470	370	264	140	90°
150	470	375	260	140	90°
185	470	412	220	160	90°
0	420	266	327	200	110°
100	420	305	309	200	105°

COMPLETE KITS						
KBN24	MOTOR 1 1x BN.E24	MOTOR 2 1x BN.24	ARMS 2x BA	PHOTOCELLS 1x PUPILLA.T	FLASHING LIGHT 1x LAMPY	TRANSMITTER 1x TO.GO2VA



BA
Single arm.



BN.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



L.BY
Control board for electric lock 12/24 Vdc.



BN.CB
Accessory with BN.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	BN24	BN.E24
Power supply	---	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	4.6 A	0.76 A
Torque	125 Nm	125 Nm
Opening time	10"	10"
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Mechanical stop	adjustable in opening	adjustable in opening
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.1 m	2.1 m
Weight	5.8 kg	7.8 kg
Version	KIT only	KIT only
Kit weight	19.9 kg	19.9 kg
Kits no. per pallet	20	20



MB24

MBE24

ARTICULATED ARM

with integrated control unit
personalised release key

up to 2.5 m

PRODUCT BEING PHASED OUT



CONTROL UNITS:

MBE24 ——— CP.MBY24 168

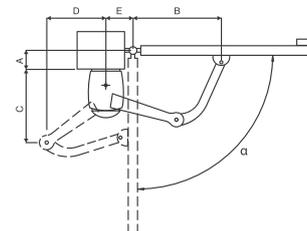
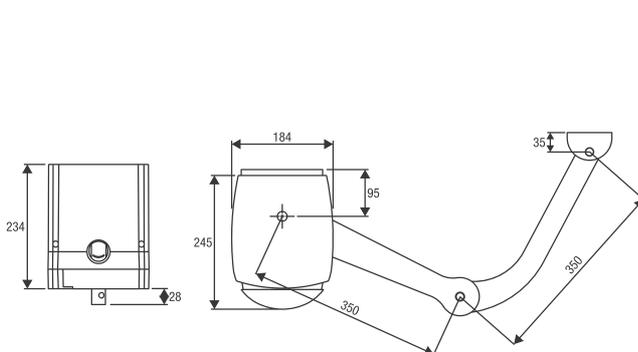
MB24 ——— BRAINY24^{PLUS} 148
BRAINY24 149



24 Vdc | intensive use

- 24 Vdc self-locking electromechanical operator for intensive use equipped with strong, articulated and anti-shearing arm
- Suitable for gates installed on large posts
- Tempered steel mechanical features to guarantee sturdiness and solidity
- Operation guaranteed even in the event of a power supply failure through batteries
- Amperometric sensor obstacle detection system to prevent crushing
- Equipped with open and close limit switches
- Option of adjustable wire unlock device that allows opening from the outside in the event of a power supply failure

Arm not included



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	α
0	470	350	243	140	90°
50	470	339	255	140	90°
100	470	331	262	140	90°
150	470	328	264	140	90°
185	470	356	237	160	90°
200	440	410	160	200	90°
0	420	244	318	200	110°
100	420	262	310	200	105°

COMPLETE KITS						
KMB24	MOTOR 1 1x MBE24	MOTOR 2 1x MB24	ARMS 2x BA	PHOTOCELLS 1x PUPILLA.T	FLASHING LIGHT 1x LAMPY	TRANSMITTER 1x TO.GO2VA



BA
Single arm.



BS
Sliding arm.



MB.CP2
Set of counter plates for two operators, suitable for the installation on columns made of stones.



MB.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



CBY.24V
Battery charger card. The CBY.24V card allows charging two different types of nickel metalhydrate and lead batteries.



DA.BT2
2.1 Ah 12 Vdc Battery.
DA.BT6
7Ah 12 Vdc Battery.



XLB.CB
Battery box fitted with universal bracket and cables. IP54.



DA.LB
Galvanized column for outdoor installation of LB box.

TECHNICAL DATA	MB24	MBE24
Power supply	---	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	6.2 A	0.76 A
Torque	180 Nm	180 Nm
Opening time	10"	10"
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Built-in control unit	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2.5 m	2.5 m
Weight	8.2 kg	10.7 kg
Items no. per pallet	39	39
Kit weight	25.4 kg	25.4 kg
Kits no. per pallet	12	12

230_{VAC}24_{VDC}

PREMIER PREMIER24

ARTICULATED ARM

personalised release key

up to 4.0 m



CONTROL UNITS:

PR.45E	BRAINY	140
	HEADY	141
PR.45EE	BRAINY	140
PR.45EL	BRAINY	140
	HEADY	141
PR.45E24	BRAINY24 ^{PLUS}	148
	BRAINY24	149



230 Vac

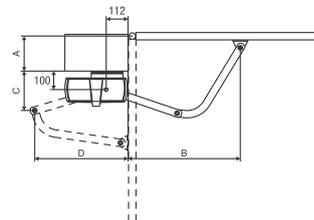
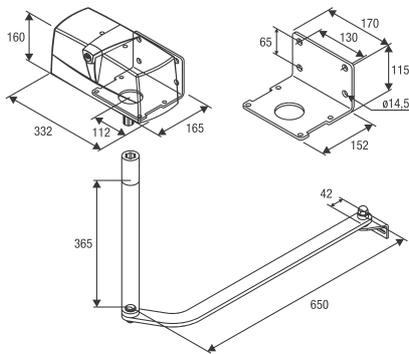
- Irreversible 230 Vac electromechanical geared motor also available in the PR.45EL version for large doors
- The PR.45EE model is equipped with an encoder to ensure crush prevention and precision in the gate moving phases. Quick and easy to install thanks to the possibility of wiring on the motor

Irreversible geared motor suitable for gates installed on large columns, available in 230 Vac and 24 Vdc versions. Built-in electromechanical open and close limit switches, with sturdy articulated anti-shearing arm in galvanised steel.

Arm not included

24 Vdc | intensive use

- Irreversible 24 Vdc geared motor for intensive use
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



A (mm)	B (mm)	C (mm)	D (mm)
50	883	277	429
150	851	181	466
200	828	117	475
250	800	32	469
300	846	28	468

COMPLETE KITS	MOTORS	CONTROL UNIT	ARMS	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KPR	2x PR.45E	1x HEADY	2x DU.E2	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KPR24.B	2x PR.45E24	1x BRAINY24	2x DU.E2	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA



DU.E2
Single galvanized steel arm.



PR.SN
Articulated arm for installation in sloping areas.



PR.BSL
Left sliding arm for installation in tight spaces.



PR.BSR
Right sliding arm for installation in tight spaces.



PR.PL
Longitudinal plate for installation on small-sized columns.



MB.SE
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



XLB.CB
Battery box fitted with universal bracket and cables. IP54.



DA.LB
Galvanized column for outdoor installation of LB box.



BRAINY24.CB-SW
Accessory equipped with 1.2 Ah batteries and support bracket.



BRAINY24.CB
Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

TECHNICAL DATA	PR.45E*	PR.45EE	PR.45EL	PR.45E24*
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.75 A	1.75 A	1.45 A	9 A
Torque	325 Nm	325 Nm	300 Nm	320 Nm
Opening time	13"	13"	20"	9"
Duty cycle	30%	30%	30%	intensive use
Protection level	IP44	IP44	IP44	IP44
Encoder	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	3 m	4 m	3 m
Weight	10.5 kg	10.5 kg	10.5 kg	9 kg
Items no. per pallet	42	42	42	42
Kit weight	34.6 kg	---	---	34 kg
Kits no. per pallet	12	---	---	12

* Available in 115 VAC version

230_{VAC}

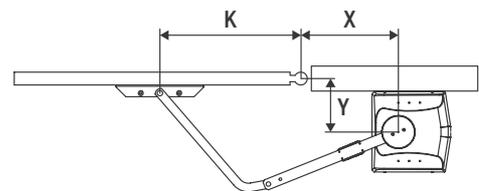
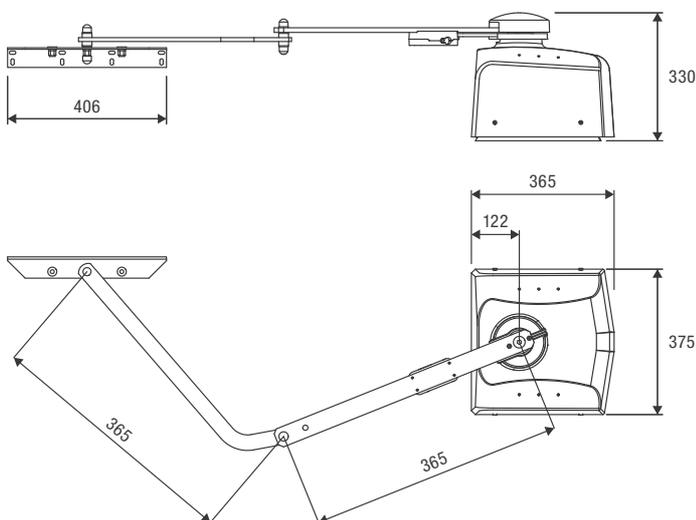
DU.350FX

**CONTROL UNITS:**

DU.350FX

BRAINY
HEADY140
141**UNDERGROUND INSTALLATION**oil lubrication
full metal mechanics**fino a 4,0 m****230 Vac** | intensive use

- Irreversible electromechanical gear motor for gates of considerable sizes
- Equipped with galvanised steel articulated arm and lever release system
- Ideal for installation in existing systems where it is not possible to attach the automation to the column
- Adjustable cam limit switches in opening and closing
- Fixing plate with visible holes also accessible when the motor is installed

Arm not included

X (mm)	Y (mm)	K (mm)	Gradi Apertura	Tempo Apertura
180	300	950	90°	17"
180	590	850	90°	20"
450	450	650	110°	16"
450	250	700	120°	20"

**DU.FXE**

Galvanised articulated anti-shearing arm with lever release system.

**DU.V96**

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

**DU.V90**

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

**DU.9990**

Covering plate for DU.V90.

**E.LOCK**

230 Vac vertical electric lock, supplied with counterplate.

**E.LOCKSE**

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.

**DA.LB**

Galvanized column for outdoor installation of LB box.

TECHNICAL DATA	DU.350FX
Motor supply	230 Vac (50-60Hz)
Max absorbed current	1.4 A
Torque	270 Nm
Opening time	16" ÷ 20"
Duty cycle	intensive use
Protection level	IP67
Lubrication	OIL
Operating temperature	-20°C /+50°C
Leaf max dimension	4.0 m
Weight	26.1 kg
Items no. per pallet	12



DU.IT14N

DU.IT24NVE

UNDERGROUND INSTALLATION

resin coated encoder

up to 3.5 m

DUIT.BR ACCESSORY AVAILABLE

(FOR THE ADJUSTMENT OF MOST OF FOUNDATION BOXES IN THE MARKET)



CONTROL UNITS:

DU.IT14N	—	BRAINY	140
	—	HEADY	141
DU.IT14N-10	—	BRAINY	140
	—	HEADY	141
DU.IT14NE	—	BRAINY	140
DU.IT14NV	—	BRAINY	140
	—	HEADY	141
DU.IT14NVE	—	BRAINY	140
DU.IT14NVE-10	—	BRAINY	140
DU.IT24NVE	—	BRAINY24 ^{PLUS}	148
	—	BRAINY24	149



Irreversible electromechanical geared motor available in 230 Vac and 24 Vdc version, with the option of opening to 180°. Full metal mechanics and built-in mechanical stop. It's available a model equipped with 10 m cable to facilitate wiring and prevent problems linked to the oxidation of electrical contacts (DU.IT14N-10/DU.IT14NVE-10).

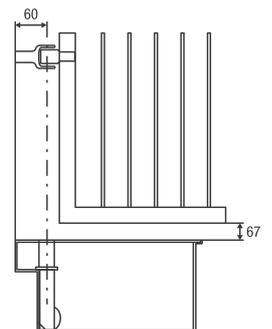
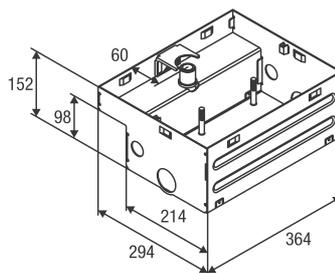
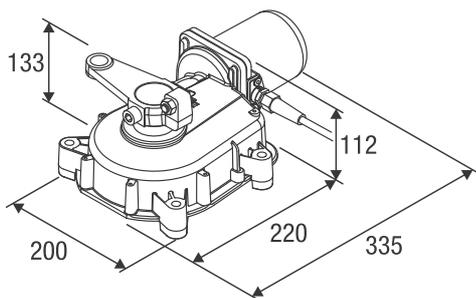
230 Vac

- Irreversible 230 Vac electromechanical geared motor
- Also available in the fast version (DU.IT14NV), with IP68 encoder (DU.IT14NE) and fast version with IP68 encoder (DU.IT14NVE)
- The encoder guarantees maximum safety and precision while the gate is moving

Cams' disk not included

24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical gear motor for intensive use equipped with IP68 encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation





DU.ITIX
Self-supporting stainless steel foundation box max. opening 110°. Supplied with cover and cap, requires release accessory SB.DUxx.



DU.ITCF
Self-supporting foundation box with cathophoretic painted finish, max. opening 110°. Supplied with grey painted cathophoresis cover (RAL9006) cap, requires release accessory SB.DUxx.



DU.ITCF-BL
Self-supporting foundation box with cathophoretic painted finish, max. opening 110°. Supplied with black painted cathophoresis cover (RAL9005) and cap, requires release accessory SB.DUxx.



SB.DUIT.K
Kit comprising personalised release key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DUIT.L
Kit comprising release hex key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DUIT.L-UK
Kit comprising release hex key and elements to connect the motor to the gate. Equipped with adjustable mechanical stop.



SB.DU180.K
Kit comprising personalised release key and components to connect the motor to the gate, for openings up to 180°.



SB.DU180.L
Kit comprising release hex key and components to connect the motor to the gate, for openings up to 180°.



DU.ITST
Adjustable mechanical open stop 75°/80°/85°/90°/95°/100°.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



DUIT.BR-L
Adaptors for the installation of a left-hand motor to the most common foundation boxes on the market.



DU.FCN
Watertight limit switches unit with cam holder disk included.



CABLE.24E
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.



XLB.CB
Battery box fitted with universal bracket and cables. IP54.

DUIT.BR-R
Version for right motor with connecting rod.

TECHNICAL DATA	DU.IT14N*	DU.IT14NE	DU.IT14NV	DU.IT14NVE	DU.IT24NVE*
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.6 A	1.6 A	1.6 A	1.6 A	11 A
Torque	370 Nm	370 Nm	220 Nm	220 Nm	280 Nm
Opening time	22"	22"	11"	11"	15"
Duty cycle	30%	30%	40%	40%	intensive use
Protection level	IP67	IP67	IP67	IP67	IP67
Encoder	NO	YES	NO	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.5 m	3.5 m	2.1 m	2.1 m	3.5 m
Weight	11.3 kg	11.2 kg	11 kg	11.2 kg	10 kg
Items no. per pallet	44	44	44	44	44
DU.ITIX weight	8.1 kg	8.1 kg	8.1 kg	8.1 kg	8.1 kg
DU.ITCF weight	9.6 kg	9.6 kg	9.6 kg	9.6 kg	9.6 kg
No. of foundation boxes per pallet	32	32	32	32	32

* Available in 115 VAC version

230_{VAC}

DU.350N



UNDERGROUND INSTALLATION

oil submerged gear

**up to 4.0 m**

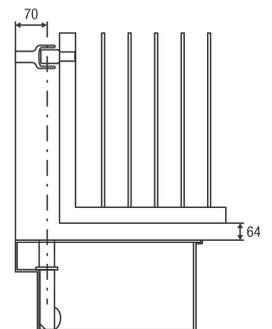
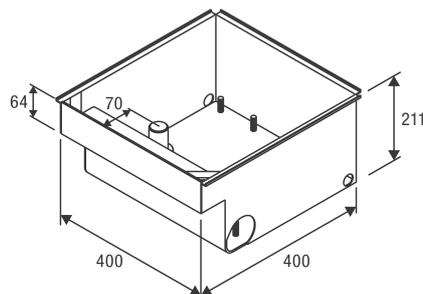
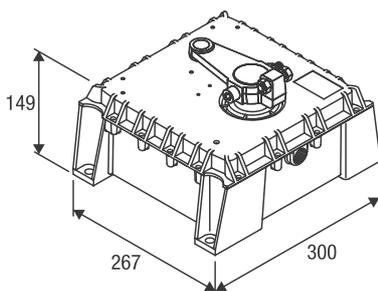
CONTROL UNITS:

DU.350N	—	BRAINY	140
	—	HEADY	141
DU.350NV	—	BRAINY	140
	—	HEADY	141
DU.350NVE	—	BRAINY	140
DU.350NVE-10	—	BRAINY	140
DU.350NGE	—	BRAINY	140



230 Vac

- Irreversible electromechanical geared motors for gates of considerable sizes
- Adjustable mechanical stop included
- Available in the quick version (DU.350NV) for doors up to 3 m and in the version equipped with toothed wheel in cast iron (DU.350NGE)
- The versions with encoder (DU.350NVE and DU.350NGE) ensure crush prevention and precision in the gate moving phases
- A model equipped with 10 m cable is available to facilitate wiring operations and to prevent problems related to the oxidation of electrical contacts (DU.350NVE-10)

Cams' disk not included



DU.350IX
Self-supporting stainless steel foundation box max. opening 110°. Supplied with cover and cap, requires release accessory SB.DUxx.



DU.350CF
Self-supporting foundation box with cataphoretic painted finish, max. opening 110°. Supplied with grey painted cataphoresis cover (RAL9006) cap, requires release accessory SB.DUxx.



DU.350CF-BL
Self-supporting foundation box with cataphoretic painted finish, max. opening 110°. Supplied with black painted cataphoresis cover (RAL9005) and cap, requires release accessory SB.DUxx.



SB.DU350.K
Kit comprising personalised release key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DU350.L
Kit comprising release hex key and components to connect the motor to the gate. Mechanical stop incorporated.



SB.DU350.L-UK
Kit comprising release hex key and elements to connect the motor to the gate. Equipped with adjustable mechanical stop.



SB.180.K
Kit comprising personalised release key and components to connect the motor to the gate, for openings up to 180°.



SB.180.L
Kit comprising release hex key and components to connect the motor to the gate, for openings up to 180°.



DU.350ST
Adjustable mechanical open stop 80°/85°/90°/95°/100°/105°.



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990
Covering plate for DU.V90.



E.LOCK
230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



DU.350FC
Watertight limit switches with cam disk included.

TECHNICAL DATA	DU.350N	DU.350NGE	DU.350NV	DU.350NVE
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Max absorbed current	1.7 A	1.7 A	1.7 A	1.7 A
Torque	450 Nm	450 Nm	370 Nm	370 Nm
Opening time	22"	22"	16"	16"
Duty cycle	intensive use	intensive use	intensive use	intensive use
Protection level	IP67	IP67	IP67	IP67
Encoder	NO	YES	NO	YES
Lubrication	OIL	OIL	OIL	OIL
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	4 m	3 m	3 m
Weight	18.3 kg	20.4 kg	20.2 kg	20.2 kg
Items no. per pallet	32	32	32	32
DU.350CF weight	14.3 kg	14.3 kg	14.3 kg	14.3 kg
No. of foundation boxes per pallet	24	24	24	24



AUTOMATIONS FOR SLIDING GATES

RESIDENTIAL USE

BULL424
up to 450 kg

24 Vdc
intensive use

BULL424SW
BULL424SE
KBULL424SW
KBULL424SE

CONTROL UNITS

CP.B24-SW*
CP.B24-D120*
CP.B24-SW*
CP.B24-D120*

BULL6
up to 600 kg

230 Vac

BULL6M
BULL6ME
KBULL6M

CP.CORE*
CP.CORE*
CP.CORE*

BULL8
up to 800 kg

230 Vac

BULL8M
BULL8M.S
KBULL8M

CP.BULL8-OM*
CP.BULL8-OM*
CP.BULL8-OM*

COMMERCIAL USE

BULL624
up to 600 kg

24 Vdc
intensive use

BULL624SW
BULL624SE
BULL624SE.S
KBULL624SW
KBULL624SE

CONTROL UNITS

CP.B24-SW*
CP.B24-D120*
CP.B24-D120*
CP.B24-SW*
CP.B24-D120*

24 Vdc

BULL624 TURBO
BULL624 TURBO.S
KBULL624 TURBO

CP.B24 TURBO*
CP.B24 TURBO*
CP.B24 TURBO*

BULL8
up to 800 kg

230 Vac

BULL8 OM
BULL8 OM.S
KBULL8 OM

CP.BULL8-OM*
CP.BULL8-OM*
CP.BULL8-OM*

BULL10
up to 1000 kg

230 Vac

BULL10M
BULL10M.S

CP.BULL-RI*
CP.BULL-RI*

24 Vdc

BULL1024SE
BULL1024SE.S

CP.B24-D120*
CP.B24-D120*

BULL1224
up to 1200 kg

24 Vdc

BULL1224 TURBO
BULL1224 TURBO.S

CP.B24 TURBO*
CP.B24 TURBO*

BULL HE
up to 1400 kg

230 Vac

BULL HE REVERSE

CP.BULL-REV*

BULL15
up to 1500 kg

230 Vac

BULL15M
BULL15M.S

CP.BULL-RI*
CP.BULL-RI*

24 Vdc
intensive use

BULL1524SE
BULL1524SE.S

CP.B24-D120*
CP.B24-D120*



**INDUSTRIAL
USE**

				CONTROL UNITS
BULL17 up to 1700 kg	230 Vac	BULL17 OMI BULL17 OMI.S		CP.BULL OMI* CP.BULL OMI*
BULL20 up to 2000 kg	230 Vac	BULL20M BULL20M.S BULL20 HE BULL20 HE.S		CP.BULL-RI* CP.BULL-RI* CP.BULL20-HE* CP.BULL20-HE*
YAK25 up to 2500 kg	400 Vac intensive use	BULL20T		THINKY START
BISON25 up to 2500 kg	230 Vac three-phase intensive use	YAK25 OTI		CP.YAK OTI*
BISON35 up to 3500 kg	230 Vac three-phase intensive use	BISON25 OTI		CP.BISON OTI*
BISON45 up to 4500 kg	400 Vac three-phase intensive use	BISON35 OTI		CP.BISON OTI*
	230 Vac three-phase intensive use	BISON35 OTI L		CP.BISON OTI L*
	400 Vac intensive use	BISON45 OTI		CP.BISON OTI*

* Built-in control unit



BULL424SW

BULL624SW



CONTROL UNITS:

BULL424SW — CP.B24-SW 169

BULL624SW — CP.B24-SW 169

RESIDENTIAL | COMMERCIAL USE

control unit with built-in receiver and virtual encoder
built-in ESA+ system
personalised release key

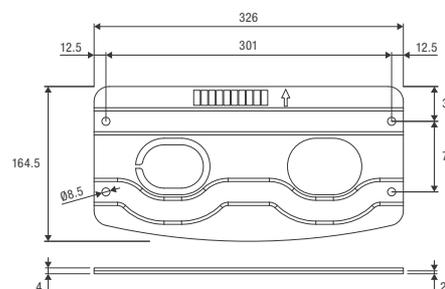
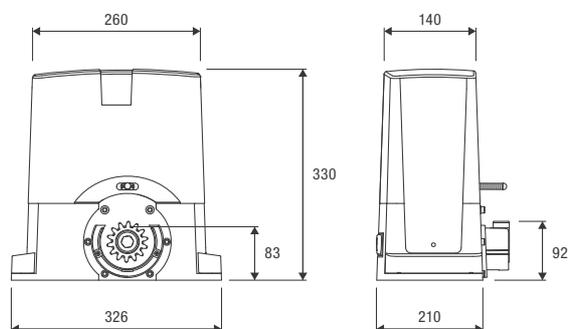
up to 600 kg



Reinforced foundation plate Dima included.
Dimensions 326x164.5x2 mm, motor fixing
distance 301x75 mm, 4 holes Ø 8.5 mm.

24 Vdc | intensive use

- 24 Vdc Irreversible gear motor for intensive use with built-it control unit equipped with 115/230 Vac switching power supply that allows a low consumption and a longer lifespan of the operator
- Control unit with trimmers and dip-switches
- The virtual encoder enables optimal management of slowing-down phases, movement tracking (STC system) and torque management in relation to the position of the gate, guaranteeing maximum safety
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor (2 x 1.2 Ah)
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP



COMPLETE KITS	 MOTOR	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
KBULL424SW	1x BULL424SW	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBULL624SW	1x BULL624SW	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA



RI.M4F
M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2
M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M4P
Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.



BULL.P-1
Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.



BULL.P3
Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.



SB.BULL8.F
Externally fitted anti-intrusion cable unlock device (L=4.5m).



MLS
Magnetic limit switches. Suitable for snowy places.



SW.CB
Accessory equipped with battery charger CB.SW and connection cables.

TECHNICAL DATA	BULL424SW	BULL624SW
Power supply	115 / 230 Vac (50-60Hz)	115 / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.2 / 1.7 A	3.2 / 1.7 A
Power consumption in stand-by	0.8 W	0.8 W
Max Thrust	428 N	715 N
Opening speed	5.5 ÷ 11 m/min	5.5 ÷ 11 m/min
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	450 kg	600 kg
Driving gear for rack	M4 Z14	M4 Z14
Weight	7.6 kg	8.0 kg
Items no. per pallet	40	40
Kit weight	8.1 kg	8.5 kg
Kits no. per pallet	40	40



BULL424SE

BULL624SE

BULL1024SE

RESIDENTIAL | COMMERCIAL USE

control unit with built-in receiver and virtual encoder
 built-in ESA+ system
 personalised release key
 built-in battery charger

up to 1000 kg

24 Vdc | intensive use

- 24 Vdc Irreversible gear motor for intensive use with built-in control unit equipped with 115/230 Vac switching power supply that allows a low consumption and a longer lifespan of the operator
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder enables optimal management of slowing-down phases, movement tracking (STC system) and torque management in relation to the position of the gate, guaranteeing maximum safety
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP
- Version with magnetic limit switches available (BULL624SE.S, BULL1024SE.S)

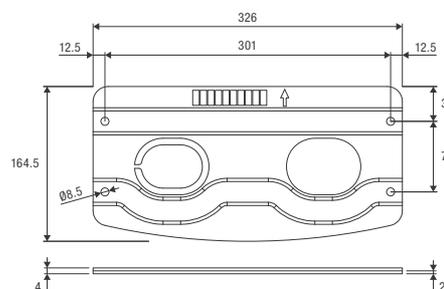
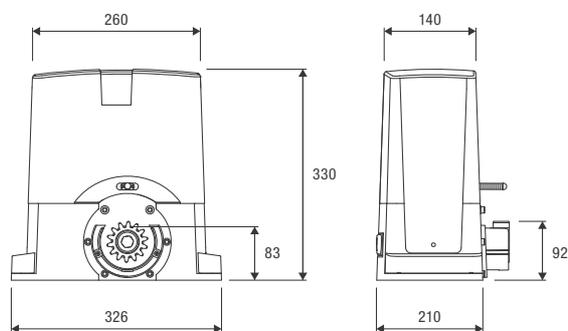


CONTROL UNITS:

BULL424SE	— CP.B24-D120	171
BULL624SE	— CP.B24-D120	171
BULL624SE.S	— CP.B24-D120	171
BULL1024SE	— CP.B24-D120	171
BULL1024SE.S	— CP.B24-D120	171



Reinforced foundation plate Dima included.
 Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	MOTOR	PHOTOCELLS	FLASHING LIGHT	TRANSMITTER
KBULL424SE	1x BULL424SE	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBULL624SE	1x BULL624SE	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA



RI.M4F

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M4P

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.



BULL.P-1

Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.



BULL.P3

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.



SB.BULL8.F

Externally fitted anti-intrusion cable unlock device (L=4.5m).



MLS

Magnetic limit switches. Suitable for snowy places.



BT2.BAT

1.2 Ah battery kit with bracket and cable.



BULL624T.CB

Kit composed of cables and brackets for batteries installation. **Pack of 5 pieces.**



SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL424SE	BULL624SE	BULL624SE.S	BULL1024SE	BULL1024SE.S
Power supply	115 / 230 Vac (50-60Hz)				
Motor supply	24 Vdc				
Max absorbed current	3.2 / 1.7 A	3.3 / 1.8 A	3.3 / 1.8 A	4 / 2 A	4 / 2 A
Power consumption in stand-by	0.8 W				
Max Thrust	535 N	650 N	650 N	892 N	892 N
Opening speed	5.5 ÷ 12 m/min	5.5 ÷ 14 m/min	5.5 ÷ 14 m/min	5.5 ÷ 10.5 m/min	5.5 ÷ 10.5 m/min
Duty cycle	intensive use	intensive use	intensive use	80%*	80%*
Protection level	IP44	IP44	IP44	IP44	IP44
Magnetic limit switches	NO	NO	YES	NO	YES
Operating temperature	-20°C /+50°C				
Max gate weight	450 kg	600 kg	600 kg	1000 kg	1000 kg
Driving gear for rack	M4 Z14				
Weight	8 kg	8.6 kg	8.6 kg	9.9 kg	9.9 kg
Items no. per pallet	40	40	40	40	40
Kit weight	8.7 kg	9.3 kg	---	---	---
Kits no. per pallet	40	40	---	---	---

* In extreme operating conditions (environment T 50°C, gate weight 1000 kg) the cycle falls to 50%



230_{VAC}

BULL6M



RESIDENTIAL USE

with integrated control unit and receiver
personalised release key



up to 500 kg



CONTROL UNITS:

- BULL6M** ——— CP.CORE 155
- BULL6ME** ——— CP.CORE 155

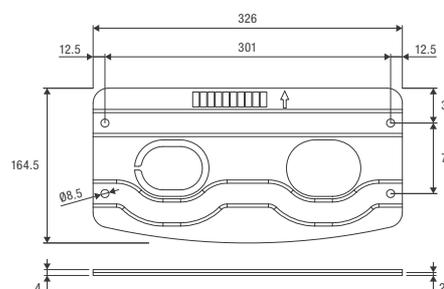
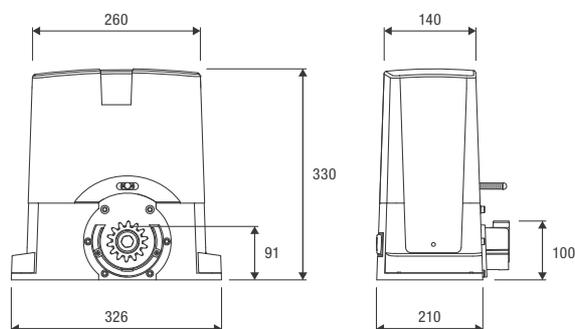


230 Vac

- Electromechanical 230 Vac geared motor with built-in control unit
- Optional encoder connection using MAG.E accessory
- The encoder device ensures crush prevention and precision in the gate moving phases
- Magnetic limit switches accessory available (MLS)



Reinforced foundation plate Dima included.
Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	 MOTOR	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
KBULL6M	1x BULL6M	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBULL6ME	1x BULL6ME	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA

**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.

**RI.M4P**

Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.

**BULL.P-1**

Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.

**BULL.P3**

Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.

**SB.BULL8.F**

Externally fitted anti-intrusion cable unlock device (L=4.5m).

**MAG.E**

Magnetic encoder to detect obstacles and manage deceleration.

**MLS**

Magnetic limit switches. Suitable for snowy places.

TECHNICAL DATA	BULL6M*	BULL6ME
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	1.3 A	1.3 A
Max Thrust	650 N	650 N
Opening speed	10.5 m/min	10.5 m/min
Duty cycle	30%	30%
Protection level	IP44	IP44
Encoder	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	600 kg	600 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	11.3 kg	11.3 kg
Items no. per pallet	40	40
Kit weight	12.1 kg	12.1 kg
Kits no. per pallet	40	40

* Available in 115 VAC version



BULL624 TURBO



COMMERCIAL USE

control unit with incorporated receiver and virtual encoder
personalised release key
built-in battery charger



up to 600 kg



24 Vdc | intensive use



- Fast 24 VDC geared motor for intensive use with integrated control unit equipped with switching power supply (115/230 VAC) that permits a reduced power use and a long lifespan of the actuator
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Self-programming with the radio transmitter can be activated at the first installation. Practical cableguides
- **Maximum performance and speed (25.5 m/min with 600 kg)**
- Anti-crushing system with amperometric obstacle detection
- Safety sensor that stops the motor power supply during release operations
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor
- Version available with magnetic limit switches (BULL624 TURBO.S)



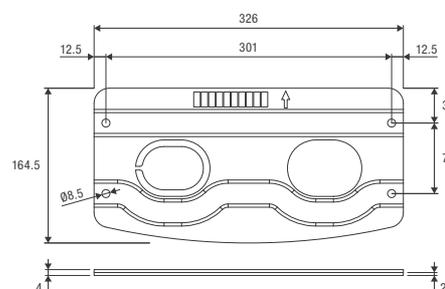
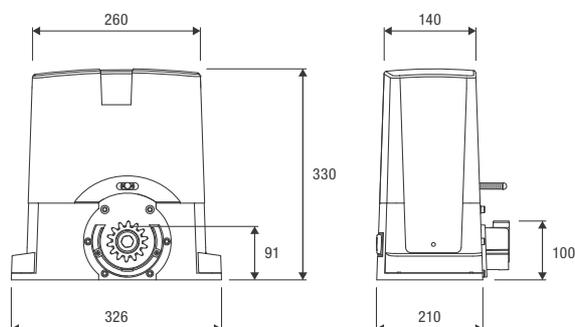
CONTROL UNITS:

BULL624 TURBO — CP.B24 TURBO 170

BULL624 TURBO.S — CP.B24 TURBO 170



Reinforced foundation plate Dima included.
Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	 MOTOR	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
KBULL624TURBO	1x BULL624TURBO	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA



RI.M4F
M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2
M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M4P
Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.



BULL.P-1
Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.



BULL.P3
Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.



SB.BULL8.F
Externally fitted anti-intrusion cable unlock device (L=4.5m).



BT2.BAT
1.2 Ah battery kit with bracket and cable.



BULL624T.CB
Kit composed of cables and brackets for batteries installation. **Pack of 5 pieces.**



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL624 TURBO	BULL624 TURBO.S
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5 / 3 A	5 / 3 A
Max Thrust	330 N	330 N
Opening speed	12.5 ÷ 25,5 m/min	12.5 ÷ 25,5 m/min
Duty cycle	60%*	60%*
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	600 kg	600 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	10 kg	10 kg
Items no. per pallet	40	40
Kit weight	10,6 kg	---
Kits no. per pallet	40	---

* In extreme operating conditions (environment T 50°C, speed 25.5 m/min, gate weight 600 kg) the cycle falls to 40%

230_{VAC}

BULL8M

BULL8 OM



RESIDENTIAL | COMMERCIAL USE

control unit with built-in receiver and encoder
personalised release key
BULL8OM: oil lubrication



fino a 800 kg



CONTROL UNITS:

BULL8M	CP.BULL8-OM	156
BULL8M.S	CP.BULL8-OM	156
BULL8 OM	CP.BULL8-OM	156
BULL8 OM.S	CP.BULL8-OM	156

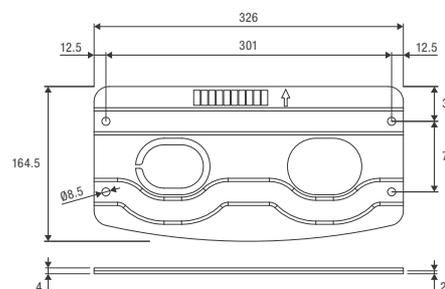
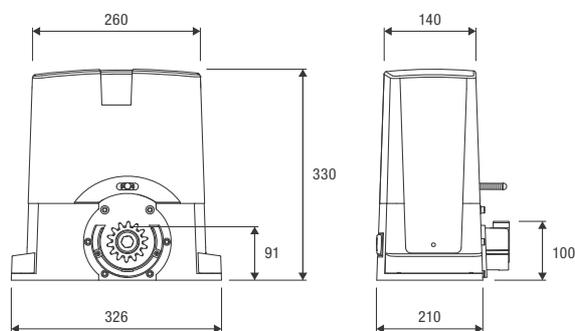


230 Vac

- 230 Vac gear motor with integrated control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Full metal mechanics and oil lubrication ensure maximum gear durability. The type of oil used is also particularly effective, and ensures maximum efficiency even at low temperatures
- Version with magnetic limit switches available (BULL8M.S, BULL8OM.S)



Reinforced foundation plate Dima included.
Dimensions 326x164.5x2 mm, motor fixing distance 301x75 mm, 4 holes Ø 8.5 mm.



COMPLETE KITS	 MOTOR	 PHOTOCELLS	 FLASHING LIGHT	 TRANSMITTER
KBULL8M	1x BULL8M	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA
KBULL8OM	1x BULL8 OM	1x PUPILLA.T	1x LAMPY	1x TO.GO2VA



RI.M4F
M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2
M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M4P
Nylon rack with steel core, to attach with screws, M4, 28x40x1000 mm. Slotted, provided with self-drilling screws.



BULL.P-1
Raised foundation plate. Height 34 mm. Floor fixing distance 353x117 mm, no. 4 Ø 11 mm. External dimensions 372x167 mm.



BULL.P3
Raised foundation plate. Height 34 mm. Floor fixing distance 260x117 mm, no. 4 Ø 11 mm. External dimensions 326x167 mm.



SB.BULL8.F
Externally fitted anti-intrusion cable unlock device (L=4.5m).

TECHNICAL DATA	BULL8M*	BULL8M.S*	BULL8 OM*	BULL8 OM.S*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac
Max absorbed current	2.6 A	2.6 A	2.6 A	2.6 A
Max Thrust	940 N	940 N	940 N	940 N
Opening speed	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min
Duty cycle	30%	30%	40%	40%
Protection level	IP44	IP44	IP44	IP44
Magnetic limit switches	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	GREASE	GREASE	OIL	OIL
Max gate weight	800 kg	800 kg	800 kg	800 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight	13.6 kg	13.7 kg	14.6 kg	14.7 kg
Items no. per pallet	40	40	40	40
Kit weight	14.5 kg	---	15.4 kg	---
Kits no. per pallet	40	---	40	---

* Available in 115 VAC version



BULL10M BULL15M

COMMERCIAL USE

control unit with built-in encoder and receiver
personalised release key

up to 1500 kg



CONTROL UNITS:

BULL10M	————	CP.BULL-RI	157
BULL10M.S	————	CP.BULL-RI	157
BULL15M	————	CP.BULL-RI	157
BULL15M.S	————	CP.BULL-RI	157

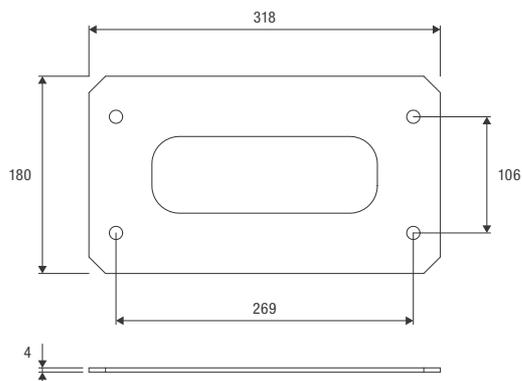
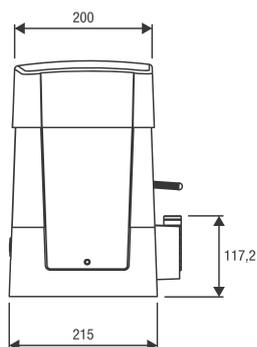
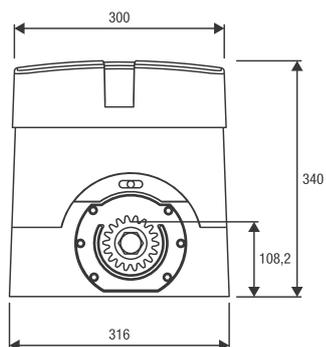


230 Vac

- 230 Vac gear motor with integrated control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Version with magnetic limit switches available (BULL10M.S, BULL15M.S)
- Steel anti-vandal protective casing (optional)



Foundation plate with anchor bolts included.
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.





RI.M4F
M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2
M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M6Z
M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6
M6 gear, it needs the rack RI.M6Z.



BULL.PI
Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.



BULL.CA
Anti-vandal casing. Only for models with spring-loaded limit switches.



RF.SUN
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF
Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BULL10M*	BULL10M.S*	BULL15M*	BULL15M.S*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac
Max absorbed current	1.6 A	1.6 A	2.5 A	2.5 A
Max Thrust	1000 N	1000 N	1250 N	1250 N
Opening speed	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min
Duty cycle	40%	40%	60%	60%
Protection level	IP44	IP44	IP44	IP44
Magnetic limit switches	NO	YES	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max gate weight	1000 kg	1000 kg	1500 kg	1500 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight	19 kg	19.1 kg	19.6 kg	20.1 kg
Items no. per pallet	20	20	20	20

* Available in 115 VAC version



BULL1224 TURBO



COMMERCIAL USE

control unit with incorporated receiver and virtual encoder
oil lubricated reductions
personalised release key
built-in battery charger



up to 1200 kg



24 Vdc | intensive use



- Fast 24 VDC geared motor for intensive use with oil lubricated reductions, control unit equipped with switching power supply (115/230 VAC) that permits reduced power use and long lifespan of the actuator
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Self-programming with transmitter can be activated at the first installation. Practical cableguides
- **Maximum performance and speed (24 m/min with 1200 kg)**
- Anti-crushing system with amperometric obstacle detection
- Safety sensor that stops the motor power supply during release operations
- Designed for connection to the X.BE module to integrate the device into KNX home automation systems
- Convenient compartment for 2 mod. DA.BT6 7 Ah batteries
- Option to operate opposed sliding gates using the SIS accessory
- Version available with magnetic limit switches (BULL1224 TURBO.S)
- Steel anti-vandal protective casing (optional)



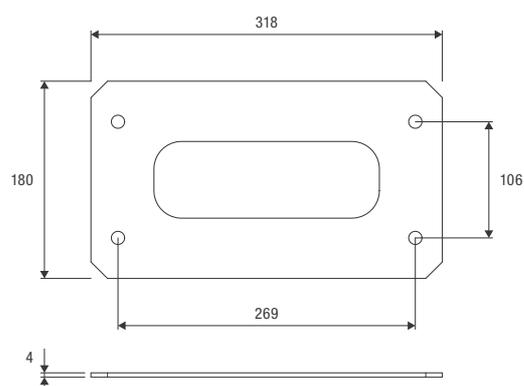
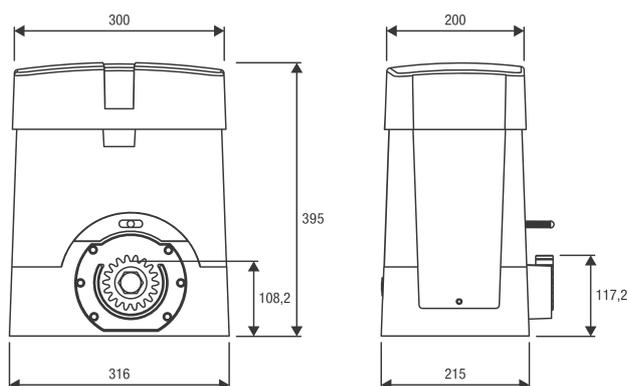
CONTROL UNITS:

BULL1224 TURBO — CP.B24 TURBO 170

BULL1224 TURBO.S — CP.B24 TURBO 170



Foundation plate with anchor bolts included.
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.





RI.M4F
M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2
M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M6Z
M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6
M6 gear, it needs the rack RI.M6Z.



BULL.PI
Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.



BULL.CA
Anti-vandal casing. Only for models with spring-loaded limit switches.



RF.SUN
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF
Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



BT6.BAT
1.2 Ah battery kit with bracket and cable.



BULL1224T.CB
Kit composed of cables and brackets for batteries installation. Pack of 5 pieces.



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL1224 TURBO	BULL1224 TURBO.S
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	5 / 3 A	5 / 3 A
Max Thrust	550 N	550 N
Opening speed	12.5 ÷ 24 m/min	12.5 ÷ 24 m/min
Duty cycle	80%*	80%*
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	1200 kg	1200 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	17.3 kg	17.4 kg
Items no. per pallet	20	20

* In extreme operating conditions (environment T 50°C, speed 24 m/min, gate weight 1200 kg) the cycle falls to 40%



230_{VAC}

BULL HE^{REVERSE}



CONTROL UNITS:

BULL HE^{REVERSE} — CP.BULL-REV 158



COMMERCIAL | INDUSTRIAL USE

control unit with integrated receiver and encoder
self-ventilated operator, reversible with electric brake
personalised release key



up to 1400 kg

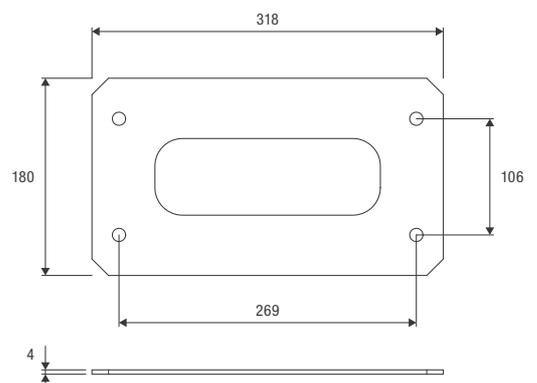
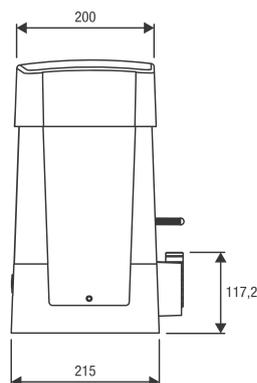
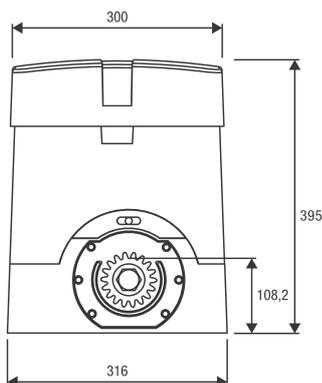


230 Vac | very intensive use

- 230 Vac self-ventilated gear motor for very intensive use with built-in control unit
- Reversible with electric brake in opening and closing, ideal for collective use
- The encoder guarantees maximum safety and precision while the gate is moving
- Steel anti-vandal protective cover (optional)



Foundation plate with anchor bolts included.
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.



**RI.M4F**

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.

**RI.M4F2**

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.

**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**BULL.PI**

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.

**BULL.CA**

Anti-vandal casing. Only for models with spring-loaded limit switches.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BULL HE REVERSE
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	3 A
Max Thrust	550 N
Opening speed	13.5 m/min
Duty cycle	80%*
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	1400 kg
Driving gear for rack	M4 Z18
Weight	21,4 kg
Items no. per pallet	20



BULL1524SE



COMMERCIAL USE

control unit with built-in receiver and virtual encoder
 built-in ESA+ system
 personalised release key
 built-in battery charger



up to 1500 kg



24 Vdc | intensive use

- 24 Vdc Irreversible gear motor for intensive use with built-in control unit equipped with 115/230 Vac switching power supply that allows a low consumption and a longer lifespan of the operator
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder enables optimal management of slowing-down phases, movement tracking (STC system) and torque management in relation to the position of the gate, guaranteeing maximum safety
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP
- Version with magnetic limit switches available (BULL1524SE.S)
- Steel anti-vandal protective cover (optional)



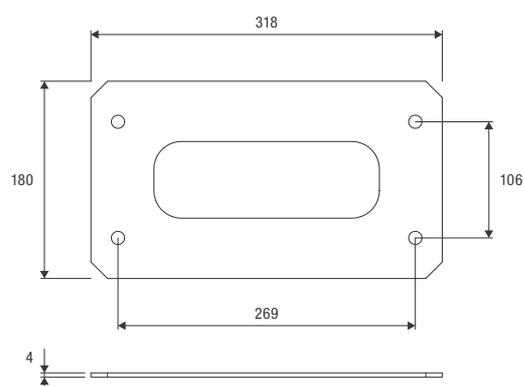
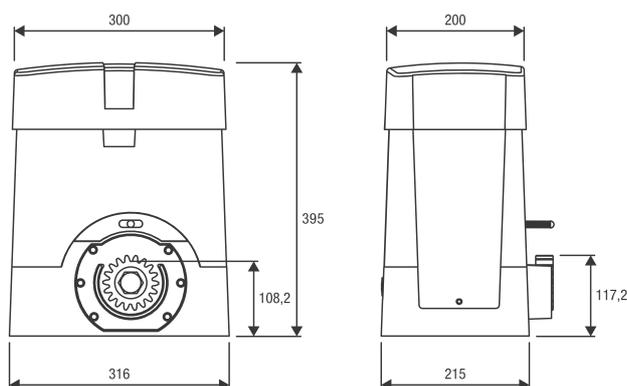
CONTROL UNITS:

BULL1524SE — CP.B24-D120 171

BULL1524SE.S — CP.B24-D120 171



Foundation plate with anchor bolts included.
 Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.





RI.M4F
M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2
M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M6Z
M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6
M6 gear, it needs the rack RI.M6Z.



BULL.PI
Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.



BULL.CA
Anti-vandal casing. Only for models with spring-loaded limit switches.



RF.SUN
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF
Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.



BT6.BAT
1.2 Ah battery kit with bracket and cable.



BULL1224T.CB
Kit composed of cables and brackets for batteries installation. Pack of 5 pieces.



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.

TECHNICAL DATA	BULL1524SE	BULL1524SE.S
Power supply	115 Vac / 230 Vac (50-60Hz)	115 Vac / 230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.7 / 2 A	3.7 / 2 A
Power consumption in stand-by	0.8 W	0.8 W
Max Thrust	916 N	916 N
Opening speed	5.5 ÷ 11.7 m/min	5.5 ÷ 11.7 m/min
Duty cycle	intensive use	intensive use
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	1500 kg	1500 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	16.1 kg	16.2 kg
Items no. per pallet	20	20

230_{VAC}

BULL17 OMI



INDUSTRIAL USE

control unit with built-in inverter and virtual encoder
 control unit with mechanical ventilation
 oil lubricated reductions
 personalised release key

**up to 1700 kg**

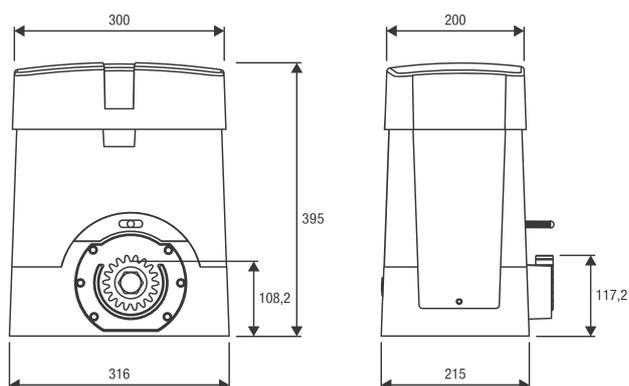
CONTROL UNITS:

BULL17 OMI ——— CP.BULL OMI 160**BULL17 OMI.S** ——— CP.BULL OMI 160

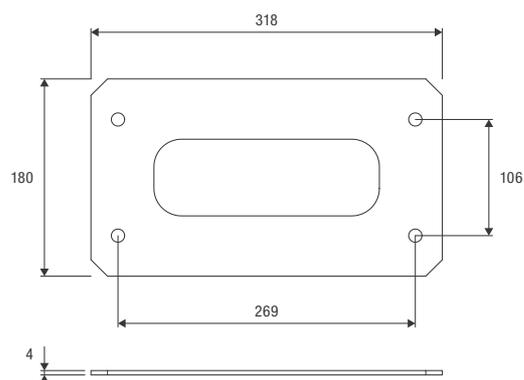
Foundation plate with anchor bolts included.
 Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.

230 Vac

- Single phase 230 VAC geared motor for intensive use with oil lubricated reductions
- The control unit, located on the top of the motor, facilitates wiring operations
- Oil lubrication guarantees maximum duration of the reducer. The type of oil is very effective and guarantees excellent performance even at low temperatures
- Reduced mechanical wear of components
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Adjustable speed from 10 to 24 m/min according to gate weight
- Safety sensor that stops the motor power supply during release operations
- Receiver ONE2.WI is supplied
- Version with magnetic limit switches available (BULL17 OMI.S)
- Steel anti-vandal protective cover (optional)



Weight (kg)	Speed (m/min)
1,700	17
1,000	20
500	24





RI.M4F
M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2
M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M6Z
M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6
M6 gear, it needs the rack RI.M6Z.



BULL.PI
Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.



BULL.CA
Anti-vandal casing. Only for models with spring-loaded limit switches.



RF.SUN
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF
Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BULL17 OMI*	BULL17 OMI.S*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	7 A	7 A
Max Thrust	1880 N	1880 N
Max opening speed	24 m/min	24 m/min
Duty cycle	60%**	60%**
Protection level	IP44	IP44
Magnetic limit switches	NO	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL
Max gate weight	1700 kg	1700 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	21.6 kg	21.6 kg
Items no. per pallet	20	20

* Available in 115 VAC version | ** In extreme operating conditions (environment T 50°C, speed 24 m/min, gate weight 500 kg) the cycle falls to 40%



BULL20M

BULL20 HE

BULL20T

COMMERCIAL | INDUSTRIAL USE

control unit with built-in encoder and receiver
personalised release key
BULL20HE: self-ventilated with oil lubricated reductions
BULL20T: self-ventilated without control unit

up to 2000 kg

Irreversible electromechanical gear motor available in 230 Vac single-phase (BULL20M), 400 Vac three-phase (BULL20T) or 230 Vac single-phase with oil lubricated reductions for very intensive use (BULL20 HE). Steel anti-vandal protective cover (optional).

230 Vac

- 230 Vac gear motor with integrated control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Version with magnetic limit switches available (BULL20M.S, BULL20T.S, BULL20HE.S)

400 Vac

- 400 Vac three-phase gear motor with external control unit and electric brake
- Self-ventilated for very intense use

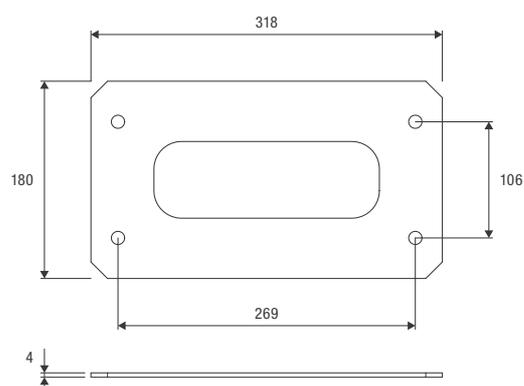
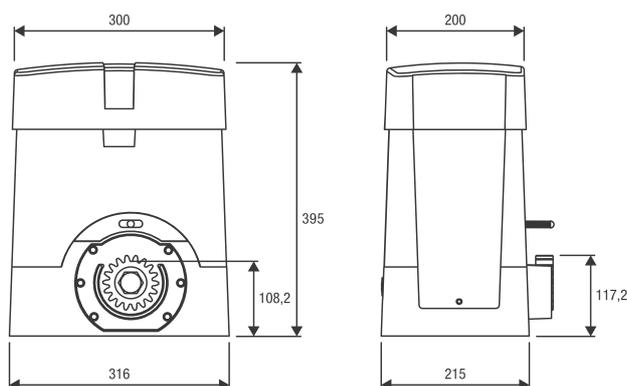


CONTROL UNITS:

BULL20M	CP.BULL-RI	157
BULL20M.S	CP.BULL-RI	157
BULL20 HE	CP.BULL20-HE	159
BULL20 HE.S	CP.BULL20-HE	159
BULL20T	THINKY START	146 147



Foundation plate with anchor bolts included.
Motor and floor fixing distance 269x106 mm, no. 4 Ø 12 mm.





RI.M4F

M4 rack, to weld or attach with screws, 30x12x1000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4F2

M4 rack, to weld or attach with screws, 30x12x2000 mm slotted and galvanised. Supplied with M6 screws and threaded spacers.



RI.M4Z

M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M6Z

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6

M6 gear, it needs the rack RI.M6Z.



BULL.PI

Raised foundation plate. Height 32 mm. Floor fixing distance 280x170 mm, no. 4 Ø 11 mm. External dimensions 335x220 mm.



BULL.CA

Anti-vandal casing. Only for models with spring-loaded limit switches.



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF

Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BULL20M*	BULL20M.S*	BULL20 HE*	BULL20 HE.S*	BULL20T
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	---
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac	≈ 400 Vac (50-60Hz)
Max absorbed current	2.9 A	2.9 A	3 A	3 A	1.7 A
Max Thrust	1667 N	1667 N	1100 N	1100 N	2000 N
Opening speed	10.5 m/min				
Duty cycle	40%	40%	80%**	80%**	intensive use
Protection level	IP44	IP44	IP44	IP44	IP44
Built-in control unit	YES	YES	YES	YES	NO
Magnetic limit switches	NO	YES	NO	YES	NO
Operating temperature	-20°C /+50°C				
Lubrication	GREASE	GREASE	OIL	OIL	GREASE
Max gate weight	2000 kg				
Driving gear for rack	M4 Z18				
Weight	21.1 kg	21.3 kg	21.4 kg	21.4 kg	21.3 kg
Items no. per pallet	20	20	20	20	20

* Available in 115 VAC version | ** In extreme operating conditions (environment T 50°C, gate weight 2000 kg) the cycle falls to 60%



230 VAC

YAK25 OTI



VIRTUAL ENCODER

INDUSTRIAL USE

control unit with built-in inverter and virtual encoder
 double ventilation on motor and control unit
 oil lubricated reductions
 personalised release key



STC SYSTEM

up to 2500 kg

512



CONTROL UNITS:

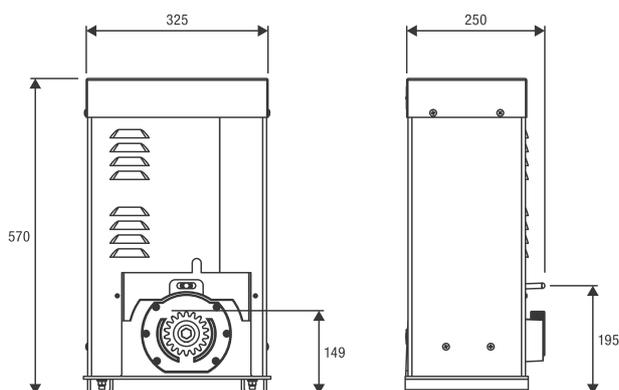
YAK25 OTI ——— CP:YAK OTI 163



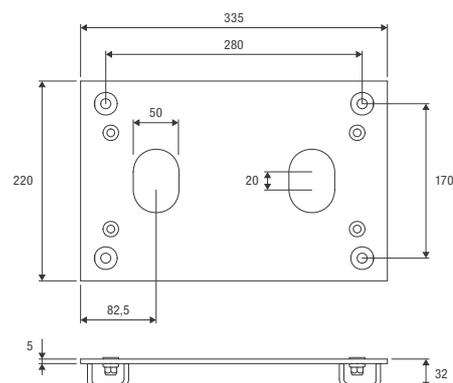
230 Vac | intensive use

- Three-phase 230 VAC geared motor for intensive use with incorporated control unit, self-ventilation system and metal oil lubricated reductions to guarantee maximum performance also at low temperatures
- The control unit, located on the top of the motor, facilitates wiring operations
- The virtual encoder allows proper management of the slowing-down phases, movement tracking (STC system), and torque management in relation to the position of the gate, which guarantees maximum safety
- Adjustable speed from 10 to 24 m/min according to gate weight
- Safety sensor that stops the motor power supply during release operations
- External metal casing with the possibility to install PUPILLA/PUPILLA.T photocells (as accessory)
- Receiver ONE2.WB is supplied

Raised foundation plate included. Height 32 mm.
 Floor fixing distance 280x170 mm, no. 4 Ø 11 mm,
 motor fixing distance 269x106 mm n.4 M10.



Weight (kg)	Speed (m/min)
2,500	10
2,000	11
1,500	14
1,000	16
500	24



**RI.M4Z**

M4 galvanised rack to weld 22x22x2000 mm.

**RI.M4ZF**

Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.

**RI.M6Z**

M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.

**RI.P6**

M6 gear, it needs the rack RI.M6Z.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	YAK25 OTI
Power supply	230 Vac (50-60Hz)
Motor supply	≈ 230 Vac
Max absorbed current	4.0 A
Max Thrust	2500 N
Max opening speed	24 m/min
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	2500 kg
Driving gear for rack	M4 Z18
Weight	36.3 kg
Items no. per pallet	8

230_{VAC}

BISON25 OTI



ENCODER

INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter
oil lubricated reductions
IP68 limit switch
personalised release key

**up to 2500 kg**

64



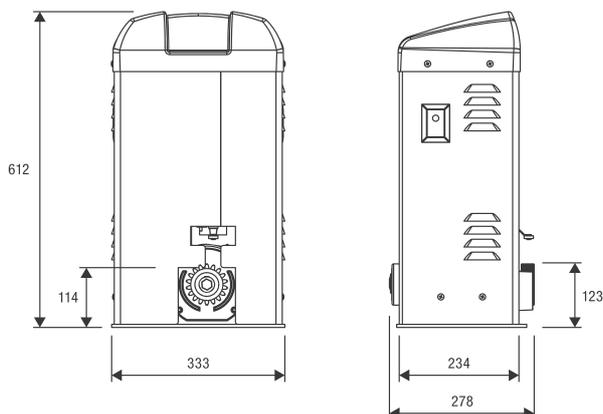
CONTROL UNITS:

BISON25 OTI — CP.BISON OTI 161

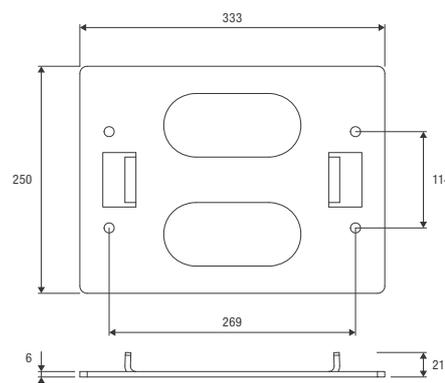
Foundation plate with anchor bolts included.
Motor and floor fixing distance
269 mm x 114 mm, no. 4 Ø 12 mm.

230 Vac

- Three phase 230 Vac geared motor, ventilated for intensive use
- Full metal mechanics and oil lubrication. The type of oil used ensures maximum efficiency even at low temperatures
- The encoder device ensures precision in the gate moving phases
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory



Weight (kg)	Speed (m/min)
2,500	10
2,000	11
1,450	13
1,100	15
650	19





RI.M4Z
M4 galvanised rack to weld 22x22x2000 mm.



RI.M4ZF
Galvanised slotted M4 rack 22x22x2010 mm for fastening to the side with the teeth. Supplied with M6 screws.



RI.M6Z
M6 galvanised rack to weld 30x30x2000 mm. Requires pinion RI.P6.



RI.P6
M6 gear, it needs the rack RI.M6Z.



RF.SUN
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF
Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BISON25 OTI
Power supply	230 Vac (50-60Hz)
Motor supply	≈ 230 Vac
Max absorbed current	8 A
Max Thrust	2500 N
Max opening speed	19 m/min
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	2500 kg
Driving gear for rack	M4 Z18
Weight	41.2 kg
Items no. per pallet	8



BISON35 OTI

BISON45 OTI



INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter
oil lubricated reductions
IP68 limit switch
personalised release key



up to 4500 kg



CONTROL UNITS:

BISON35 OTI — CP.BISON OTI 161

BISON35 OTIL — CP.BISON OTI L 162

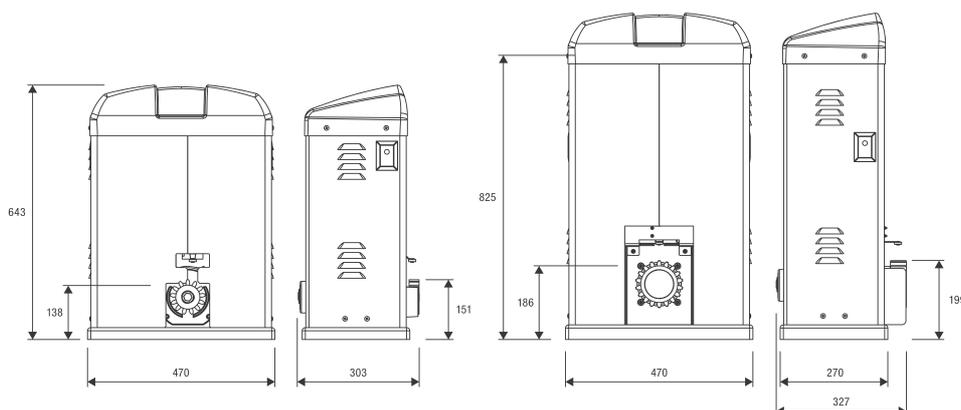
BISON45 OTI — CP.BISON OTI 161



230 Vac | 400 Vac

- Electromechanical three-phase gear motor, available at 230 Vac (BISON35 OTI L), connectable to 230 Vac single-phase mains, or 400 Vac (BISON35 OTI, BISON45 OTI) connectable to three-phase 400 Vac mains
- Ventilated for intensive use
- The encoder device ensures precision in the gate moving phases
- Full metal mechanics and oil lubrication with maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory
- Safety sensor that interrupts the power supply motor during release operations (BISON45 OTI)

Foundation plate not included



BISON35 OTI

Weight (kg)	Speed (m/min)
3.500	10
3.000	11
2.250	13
1.600	15
850	19

BISON45 OTI

Weight (kg)	Speed (m/min)
4.500	10
3.500	11
2.600	13
2.000	15
1.150	19



RI.M6Z
M6 galvanised rack to weld 30x30x2000 mm.



BISON.P35
Foundation plate with coach screws and support base for height adjustment. Motor fixing distance 410x210 mm n.4 Ø 13 mm. For BISON35 OTI/OTIL models.



BISON.P45
Foundation plate with coach screws and support base for height adjustment. Motor fixing distance 400x210 mm n.4 Ø 14,5 mm. For BISON45 OTI model.



RF.SUN
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.



RF
Device with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	BISON35 OTI	BISON35 OTI L	BISON45 OTI
Power supply	≈ 400 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)
Motor supply	≈ 400 Vac	≈ 230 Vac	≈ 400 Vac
Max absorbed current	3 A	8 A	2.85 A
Max Thrust	3000 N	2500 N	5000 N
Max opening speed	19 m/min	10,5 m/min	19 m/min
Duty cycle	intensive use	intensive use	intensive use
Protection level	IP44	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL
Max gate weight	3500 kg	3500 kg	4500 kg
Driving gear for rack	M6 Z13	M6 Z13	M6 Z18
Weight	50.8 kg	51 kg	66 kg
Items no. per pallet	4	4	4



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

**RESIDENTIAL
COMMERCIAL
USE**

			CONTROL UNITS
MARK counterweight garage doors	24 Vdc intensive use	MARK MARK.SC	CP.MARK* TILTY24
ZED counterweight garage doors	230 Vac	ZED.RIE ZED.SC ZED.LRIE ZED.LSC	CP.ZED-AUTR* LOGICA CP.ZED-AUTR* LOGICA
JIM sectional garage doors	24 Vdc intensive use	ZED24.RI ZED24.SC	CP.ZED24* LOGICA24
JACK sectional garage doors	24 Vdc intensive use	JM.3 JM.4 JM.3ESA JM.3ESA TURBO JM.4	CP.J3-SW* CP.J4-SW* CP.J4ESA* CP.JT* CP.J4ESA*
		JACK24.50 JACK24.80	CP.JACK* CP.JACK*



INDUSTRIAL USE

			CONTROL UNITS
VN.S sectional doors rolling doors	230 Vac	VN.S20 VN.S20 UP VN.S20 ESW VN.S40	THINKY START CELL.P UP.VN* THINKY THINKY START CELL.P
	400 Vac	VN.ST20 VN.ST20 ESW	THINKY START THINKY
VN.S industrial sliding doors and folding doors with more than 2 sections	230 Vac	VN.S40V	THINKY START CELL.P
VN.M sectional doors rolling doors	230 Vac	VN.M20 VN.M20 UP VN.M20 ESW VN.M40 VN.M40 UP KVN.M20 ESW	THINKY START CELL.P UP.VN* THINKY THINKY START CELL.P UP.VN* THINKY
	400 Vac	VN.MT20 VN.MT20 ESW VN.MT40	THINKY START THINKY THINKY START
VN.M large sectional doors, rolling doors and unbalanced shutters	400 Vac intensive use	VN.MT40V	THINKY START
ADAM folding door with max 2 wings	230 Vac	ADAM	BRAINY
	24 Vdc intensive use	ADAM24	BRAINY24 ^{PLUS} BRAINY24

* Built-in control unit



24VDC

MARK



COUNTERWEIGHT GARAGE DOORS RESIDENTIAL USE



control unit with built-in receiver and encoder
built-in ESA+ system
built-in battery charger



up to 8 m² (12 m² with two motors)



DESIGNED TO COMPLY WITH EUROPEAN SAFETY STANDARDS



24 Vdc | intensive use

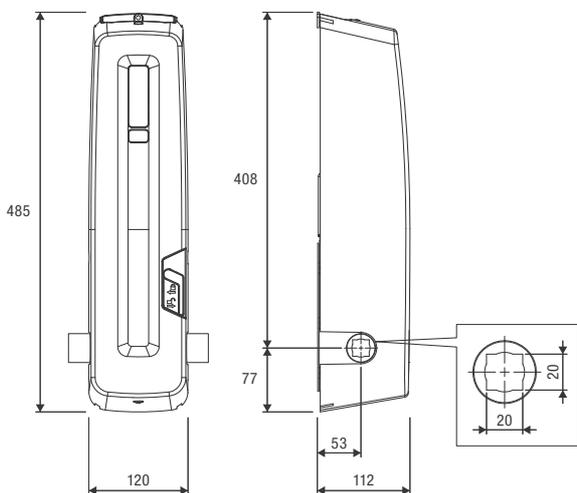


- Electromechanical gear motor with integrated control unit equipped with 115/230 Vac switching power supply that permits a low consumption and a longer lifespan of the operator
- Equipped with a service light with 14 integrated LEDs that guarantee a high light output even in the version without control unit
- The operator is characterised by a compact size (48 cm length) that allows for a simplified balance of the door, an easy and quick installation even on folding counterweight garage doors
- The output shaft with 20 x 20 mm through-hole panel and the wheelbase of just 53 mm enables perfect integration also with existing systems
- The encoder guarantees the highest safety and precision during the movement of the door
- Limit switch for the opening and integrated control buttons
- The STC system allows for the torque management in relation to the position of the door, which guarantees maximum safety
- Operation guaranteed even in the event of a power failure thanks to batteries
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP
- Integrated manual release system with lever
- Suitable for folding garage doors thanks to a possible overturned installation

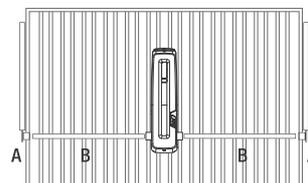


CONTROL UNITS:

MARK ————— CP.MARK 172
MARK.SC ————— TILTY24 151

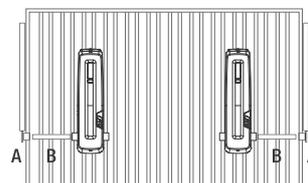


□ CENTRAL ASSEMBLY



A*	B
MARK.D / MARK.C6 / MARK.C10	MARK.T180

□ LATERAL ASSEMBLY



A*	B
MARK.D / MARK.C6 / MARK.C10	MARK.T22

* The arm is determined according to the type of installation



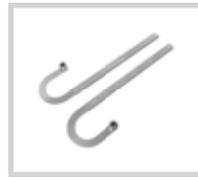
MARK.P160
Plate L= 1600 mm.



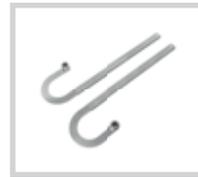
MARK.P49
Plate L= 490 mm.



MARK.D
Pair of straight arms with square bush 20x20 mm.



MARK.C6
Pair of curved arms, thickness of 6 mm, with square bush 20x20 mm.



MARK.C10
Pair of curved arms, thickness of 10 mm, with square bush 20x20 mm.



MARK.T180
Pair of square tubes, 20x20x1800 mm, thickness of 2.5 mm, with brackets.



MARK.T22
Pair of square tubes, 20x20x220 mm, thickness of 2.5 mm.



MARK.BR
Pair of support brackets for 20x20 mm square tube.
Package of 2 pcs.



MARK.MS
Wire manual unlock device.



ZED.E
External release unlock device (to be used on lateral mounting).



CABLE.24E
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.
L= 100 m.



XLB.L
Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.



XLB.CB
Battery box fitted with universal bracket and cables. IP54.



BRAINY24.CB-SW
Accessory equipped with 1.2 Ah batteries and support bracket.



SMART
Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	MARK	MARK.SC
Power supply	100 ÷ 250 Vac (50/60 Hz)	---
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.5 ÷ 1,9 A	5.5 A
Power consumption in stand-by	0.8 W	---
Torque	300 Nm	300 Nm
Opening time	14" ÷ 17"	14" ÷ 17"
Duty cycle	intensive use	intensive use
Protection level	IP20	IP20
Built-in control unit	YES	NO
Built-in receiver	YES	NO
Encoder	YES	YES
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max surface door 1 motor (2 motors)	8 m² (12 m²)	8 m² (12 m²)
Weight	8 kg	7 kg
Items no. per pallet	54	54



230_{VAC}

24_{VDC}



ZED ZED24

COUNTERWEIGHT GARAGE DOORS RESIDENTIAL | COMMERCIAL USE

new electronic control unit with incorporated receiver and encoder
up to 12.5 m² (16 m² with two motors)

DESIGNED TO COMPLY WITH EUROPEAN SAFETY STANDARDS

Electromechanical irreversible geared motor for tilt up doors with counterweights for residential use. Available in the 230 Vac and 24 Vdc versions with or without control unit. Built-in courtesy light, limit switch and control buttons.

230 Vac

- Irreversible 230 Vac electromechanical geared motor also available in the ZED.LRIE version for large doors
- The encoder device ensures crush prevention and precision in the door moving phases
- Quieter thanks to the new control unit with autotransformer created to reduce door vibrations to a minimum

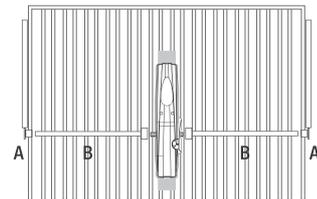
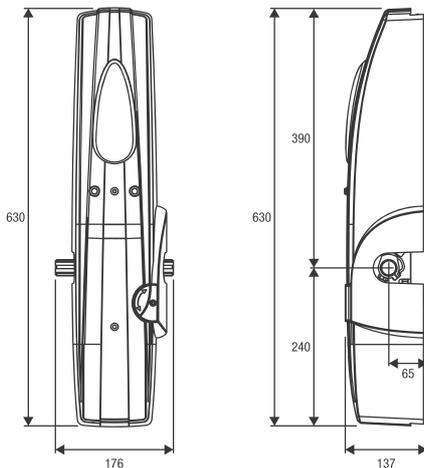
24 Vdc | intensive use

- Irreversible 24 Vdc electromechanical geared motor for intensive use
- Optional battery powered operation
- Amperometric sensor obstacle detection system to prevent crushing

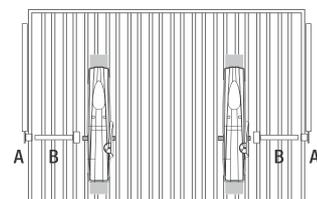


CONTROL UNITS:

ZED.RIE	————	CP.ZED-AUTR	164
ZED.SC	————	LOGICA	144
ZED.LRIE	————	CP.ZED-AUTR	164
ZED.LSC	————	LOGICA	144
ZED24.RI	————	CP.ZED24	173
ZED24.SC	————	LOGICA24	152



Central Assembly	A	B
Without welding	AU2.DNS	AU.45Z / AU.45ZL
With welding	AU2.D / AU2.C	AU.45Z / AU.45ZL



Lateral Assembly	A	B
Without welding	AU2.D45 / AU2D.45 L	---
	AU2.DNS	AU2.45T
With welding	AU2.D / AU2.C	AU2.45T / AU.45B



AU.125
1,250 mm mounting plate.
AU.20
1,950 mm mounting plate.



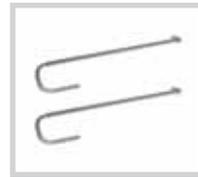
AU.65
650 mm mounting plate.



AU2.DNS
Pair of straight arms with cylindrical bush Ø 30.5 mm to mount control unit without welding (L=600mm).



AU2.D
Pair of straight galvanised arms complete with accessories for fastening, without bush (L=600 mm).



AU2.C
Pair of curved galvanised arms complete with accessories for fastening, without bush.



AU2.D45
Pair of straight galvanised arms with grooved bush Ø 21.2 mm welded, complete with accessories for fastening (L=600 mm).



AU2.D45L
Pair of straight galvanised arms with grooved bush Ø 21.2 mm welded, complete with accessories for fastening (L=2000 mm).



AU.45Z
AU.45ZL
Pair of galvanised pipes with grooved bush Ø 21.2 mm L. 1,500 mm (AU.45Z) and L. 2,000 mm (AU.45ZL) complete with accessories (central Assembly).



AU2.45T
Pair of galvanised pipes L. 150 with grooved bush Ø 21.2 mm welded, complete with accessories (lateral assembly).



AU.45B
Grooved bush Ø 21.2 mm with M6 fastener hole.



AU.45BL
Grooved bush Ø 21.2 mm with ø 30 mm cylindrical profile. Includes M8 fastener holes and ø 10 mm through holes. L = 80 mm.



ZED.MS
Wire manual unlock device.



ZED.E
External release unlock device (to be used on lateral mounting).



ZED.SE
Outdoor unlock device (for central mounting).



MAG.E
Magnetic sensor device to detect obstacles and manage deceleration.



CABLE.24E
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions. L= 100 m.



XLB.L
Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.



SMART
Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	ZED.RIE	ZED.SC	ZED.LRIE	ZED.LSC	ZED24.RI	ZED24.SC
Power supply	230 Vac (50-60Hz)	---	230 Vac (50-60Hz)	---	230 Vac (50-60Hz)	---
Motor supply	230 Vac	230 Vac (50-60Hz)	230 Vac	230 Vac (50-60Hz)	24 Vdc	24 Vdc
Max absorbed current	1.5 A	1.5 A	1.4 A	1.4 A	1 A	8 A
Torque	350 Nm	350 Nm	330 Nm	330 Nm	260 Nm	260 Nm
Opening time	14"	14"	22"	22"	10" ÷ 15"	10" ÷ 15"
Duty cycle	30%	30%	30%	30%	intensive use	intensive use
Protection level	IP40	IP40	IP40	IP40	IP40	IP40
Built-in control unit	YES	NO	YES	NO	YES	NO
Built-in receiver	YES	NO	YES	NO	YES	NO
Encoder	YES	NO	YES	NO	NO	NO
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max surface door 1 motor (2 motors)	11 m ² (15 m ²)	11 m ² (15 m ²)	12,5 m ² (16 m ²)	12,5 m ² (16 m ²)	10 m ² (14 m ²)	10 m ² (14 m ²)
Weight	10 kg	9.3 kg	9.9 kg	9.2 kg	10.2 kg	7.9 kg
Items no. per pallet	50	50	50	50	50	50



24VDC

JIM



SECTIONAL GARAGE DOORS RESIDENTIAL USE



control unit with built-in encoder and receiver
belt or chain driven
1 TO.GO2VA transmitter included



up to 18 m²



24 Vdc | intensive use



- 24 Vdc irreversible geared motor for intensive use with built-in control unit equipped with an extended range 230 Vac ± 10% 50/60 Hz switching power supply that allows for a low consumption and a longer lifespan of the operator
- The encoder guarantees the highest safety and precision during the movement of the door
- The STC system device enables the torque management in relation to the position of the gate, which guarantees maximum safety
- Maximum performance and speed (12 m/min)
- Opening speed can be set independently from the closing speed
- Equipped with a service light with 14 built-in LED lights that guarantee a high light output. It is possible to activate the service light through the transmitter in the bistable or timed mode, using it as a ceiling lamp
- Operation guaranteed even in the event of a power supply failure through batteries that can be perfectly integrated in the motor (2 x 1.2 Ah)
- Anti-crushing system with amperometric obstacle detection
- Quick hooking system for connecting the arm to the door plate
- Adjustable stroke with one mechanical stop included in the belt rails and two in the chain rails
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP



CONTROL UNITS:

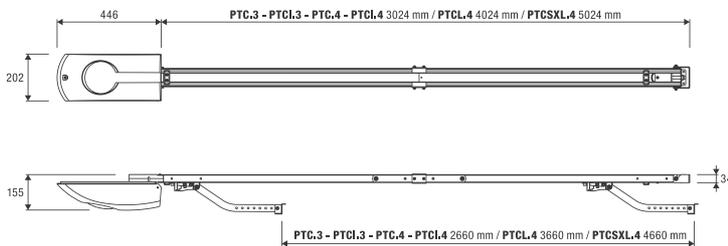
JM.3 _____ CP.J3-SW 174

JM.4 _____ CP.J4-SW 174

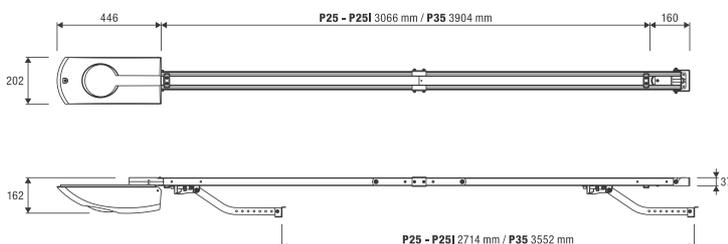


Rail not included

□ WITH BELT RAIL



□ WITH CHAIN RAIL





	RAIL	TYPE	H DOOR	PACKAGE	JM.3	JM.4
	PTC.3 9B	8 mm belt	2,5 m	2 pcs of 1.5 m	✓	✗
	PTCl.3 9B	8 mm belt	2,5 m	1 pc of 3 m	✓	✗
	PTCL.3 9B	8 mm belt	3,5 m	2 pcs of 2 m	✓	✗
	PTCl.4 9B	10 mm belt	2,5 m	1 pc of 3 m	✓	✓
	PTC.3	8 mm belt	2,5 m	2 pcs of 1.5 m	✓	✗
	PTCl.3	8 mm belt	2,5 m	1 pc of 3 m	✓	✗
	PTC.4	10 mm belt	2,5 m	2 pcs of 1.5 m	✓	✓
	PTCL.4	10 mm belt	3,5 m	2 pcs of 2 m	✓	✓
	PTCl.4	10 mm belt	2,5 m	1 pc of 3 m	✓	✓
	PTCSXL.4	10 mm belt	4,5 m	5 pcs of 1 m	✓	✓
	P25	chain	2,5 m	2 pcs of 1.4 m	✓	✓
	P25I	chain	2,5 m	1 pc of 2.8 m	✓	✓
	P35	chain	3,5 m	2 pcs of 1.8 m	✓	✓



PTC.STOP

Mechanical stop for rail with belt (PTC.3/PTCl.3/PTC.4/PTCL.4/PTCl.4/PTCSXL.4).
Package of 5 pcs.

PTCR.STOP

Mechanical stop for rail with belt (PTC.3 9B/PTCl.3 9B/PTCL.3 9B/PTCl.4 9B).
Package of 5 pcs.

PTC.AR

Bracket for fast ceiling attachment of JM.3 belt models (PTC).
Package of 5 pcs.

AU.C25

Swinging arm for tilt up doors. One mechanical stop for belt guide included.

JK.UL

Key unlocking device for sectional doors with belt rail and for counterweight garage doors.

ZED.MS

Wire unlocking device for sectional doors with belt rail and for counterweight garage doors.



AU.MS25

Wire unlocking device for sectional doors with chain rail.

SW.CB

Accessory equipped with battery charger CB.SW and connection cables.

JR.BR

Bracket for batteries installation.
Package of 5 pcs.

XLB.L

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

SMART

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	JM.3	JM.4
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	1 A	1.2 A
Power consumption in stand-by	0.8 W	0.8 W
Thrust	600 N	950 N
Opening speed	6 ÷ 12 m/min	6 ÷ 12 m/min
Duty cycle	intensive use	intensive use
Protection level	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max door surface	11 m ² /max	18 m ² /max
Limit switch	electronic with encoder	electronic with encoder
Weight	6.2 kg	8.2 kg
Items no. per pallet	50	50



24VDC

JIM ESA



SECTIONAL GARAGE DOORS RESIDENTIAL | COMMERCIAL USE



control unit with built-in encoder and receiver
belt or chain driven
1 TO.GO2VA transmitter included



up to 22 m²



CONTROL UNITS:

JM.3ESA ——— CP.J4ESA 175

JM.4ESA ——— CP.J4ESA 175

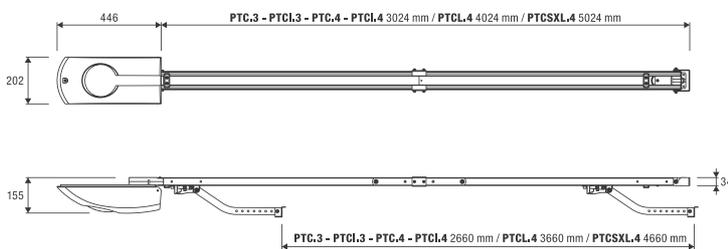


24 Vdc | intensive use

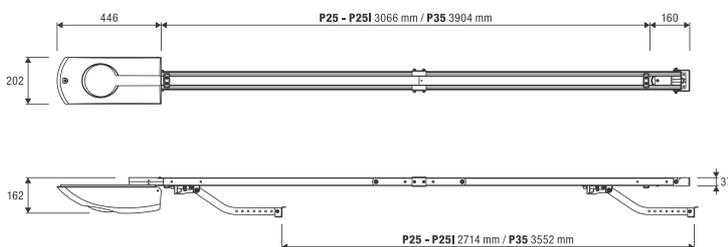
- 24 Vdc gear motor for intensive use, with integrated control unit and encoder
- Adjustable stroke with one mechanical stop included in the belt rails and two in the chain rails
- Anti-crushing system with amperometric obstacle detection
- Operation guaranteed even in the event of a power supply failure through batteries that integrate perfectly into the motor
- Evolved electronics with display and energy saving courtesy light
- The encoder guarantees maximum safety and precision while the gate is moving
- Quick hooking system for connecting the arm to the door plate

Rail not included

□ WITH BELT RAIL



□ WITH CHAIN RAIL





	RAIL	TYPE	H DOOR	PACKAGE	JM.3ESA	JM.4ESA
	PTC.3 9B	8 mm belt	2,5 m	2 pcs of 1.5 m	✓	✗
	PTCI.3 9B	8 mm belt	2,5 m	1 pc of 3 m	✓	✗
	PTCL.3 9B	8 mm belt	3,5 m	2 pcs of 2 m	✓	✗
	PTCI.4 9B	10 mm belt	2,5 m	1 pc of 3 m	✓	✗
	PTC.3	8 mm belt	2,5 m	2 pcs of 1.5 m	✓	✗
	PTCI.3	8 mm belt	2,5 m	1 pc of 3 m	✓	✗
	PTC.4	10 mm belt	2,5 m	2 pcs of 1.5 m	✓	✓
	PTCL.4	10 mm belt	3,5 m	2 pcs of 2 m	✓	✓
	PTCI.4	10 mm belt	2,5 m	1 pc of 3 m	✓	✓
	PTCSXL.4	10 mm belt	4,5 m	5 pcs of 1 m	✓	✓
	P25	chain	2,5 m	2 pcs of 1.4 m	✓	✓
	P25I	chain	2,5 m	1 pc of 2.8 m	✓	✓
	P35	chain	3,5 m	2 pcs of 1.8 m	✓	✓



PTC.STOP

Mechanical stop for rail with belt (PTC.3/PTCI.3/PTC.4/PTCL.4/PTCI.4/PTCSXL.4).
Package of 5 pcs.

PTCR.STOP

Mechanical stop for rail with belt (PTC.3 9B/PTCI.3 9B/PTCL.3 9B/PTCI.4 9B).
Package of 5 pcs.

PTC.AR

Bracket for fast ceiling attachment of JM.3 belt models (PTC).
Package of 5 pcs.

AU.C25

Swinging arm for tilt up doors. One mechanical stop for belt guide included.

JK.UL

Key unlocking device for sectional doors with belt rail and for counterweight garage doors.

ZED.MS

Wire unlocking device for sectional doors with belt rail and for counterweight garage doors.



AU.MS25

Wire unlocking device for sectional doors with chain rail.

JM.CBY

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.

XLB.L

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.

SMART

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	JM.3ESA	JM.4ESA*
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	0.7 A	1.5 A
Thrust	600 N	1200 N
Opening speed	4.5 ÷ 8.9 m/min	4.5 ÷ 8.9 m/min
Duty cycle	intensive use	intensive use
Protection level	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max door surface	11 m ² /max	22 m ² /max
Limit switch	electronic with encoder	electronic with encoder
Weight	4.8 kg	6.6 kg
Items no. per pallet	50	50

* Available in 115 VAC version



JIM TURBO



CONTROL UNITS:

JM.3ESA TURBO — CP.JT

176

SECTIONAL GARAGE DOORS RESIDENTIAL | COMMERCIAL USE

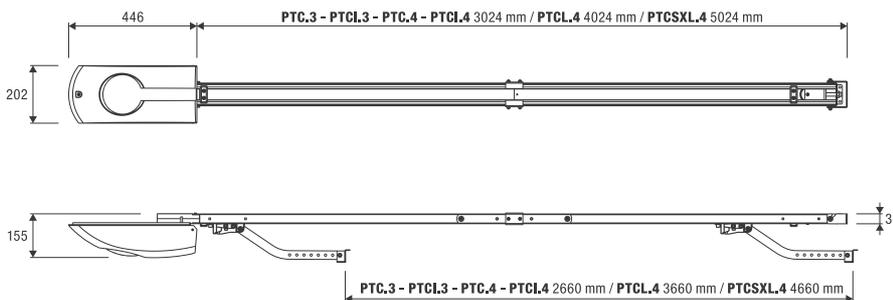
control unit with built-in encoder and receiver
belt driven
1 TO.GO2VA transmitter included

up to 11 m²

24 Vdc | intensive use

- Fast 24 Vdc gear motor for intensive use with integrated control unit and encoder
- The encoder guarantees maximum safety and precision while the gate is moving
- STC system device enables torque management in relation to the position of the gate, which guarantees maximum safety
- **Maximum performance and speed (15.5 m/min)**
- Opening speed can be set independently from the closing speed
- Integrated energy saving LED courtesy light
- Operation guaranteed even in the event of a power supply failure through batteries that integrate perfectly into the motor
- Anti-crushing system with amperometric obstacle detection
- Stroke is adjustable with 2 mechanical stops provided
- Quick hooking system for connecting the arm to the door plate

Rail not included





	RAIL	TYPE	H DOOR	PACKAGE	JM.3ESA TURBO
	PTC.3 9B	8 mm belt	2,5 m	2 pcs of 1.5 m	✗
	PTCI.3 9B	8 mm belt	2,5 m	1 pc of 3 m	✗
	PTCL.3 9B	8 mm belt	3,5 m	2 pcs of 2 m	✗
	PTCI.4 9B	10 mm belt	2,5 m	1 pc of 3 m	✗
	PTC.3	8 mm belt	2,5 m	2 pcs of 1.5 m	✓
	PTCI.3	8 mm belt	2,5 m	1 pc of 3 m	✓
	PTC.4	10 mm belt	2,5 m	2 pcs of 1.5 m	✓
	PTCL.4	10 mm belt	3,5 m	2 pcs of 2 m	✓
	PTCI.4	10 mm belt	2,5 m	1 pc of 3 m	✓
	PTCSXL.4	10 mm belt	4,5 m	5 pcs of 1 m	✓
	P25	chain	2,5 m	2 pcs of 1.4 m	✗
	P25I	chain	2,5 m	1 pc of 2.8 m	✗
	P35	chain	3,5 m	2 pcs of 1.8 m	✗



PTC.STOP

Mechanical stop for rail with belt (PTC.3/PTCI.3/PTC.4/PTCL.4/PTCI.4/PTCSXL.4).
Package of 5 pcs.

PTCR.STOP

Mechanical stop for rail with belt (PTC.3 9B/PTCI.3 9B/PTCL.3 9B/PTCI.4 9B).
Package of 5 pcs.

PTC.AR

Bracket for fast ceiling attachment of JM.3 belt models (PTC).
Package of 5 pcs.

AU.C25

Swinging arm for tilt up doors. One mechanical stop for belt guide included.

JK.UL

Key unlocking device for sectional doors with belt rail and for counterweight garage doors.

ZED.MS

Wire unlocking device for sectional doors with belt rail and for counterweight garage doors.



JM.CBY

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



XLB.L

Flashing light with 24 Vdc power supply. Intermittent or fixed signal lighting can be selected.



SMART

Cover compatible with TO.GO transmitters for internal wall mounting.

TECHNICAL DATA	JM.3ESA TURBO
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	0.7 A
Thrust	600 N
Opening speed	8.9 ÷ 15.5 m/min
Duty cycle	intensive use
Protection level	IP40
Operating temperature	-20°C /+50°C
Max door surface	11 m ² /max
Limit switch	electronic with encoder
Weight	5.8 kg
Items no. per pallet	50



24VDC

JACK24



SECTIONAL GARAGE DOORS COMMERCIAL | INDUSTRIAL USE



control unit with integrated receiver and absolute encoder
built-in ESA+ system

quick release



built-in battery charger

fino a 35 m²



24 Vdc | intensive use

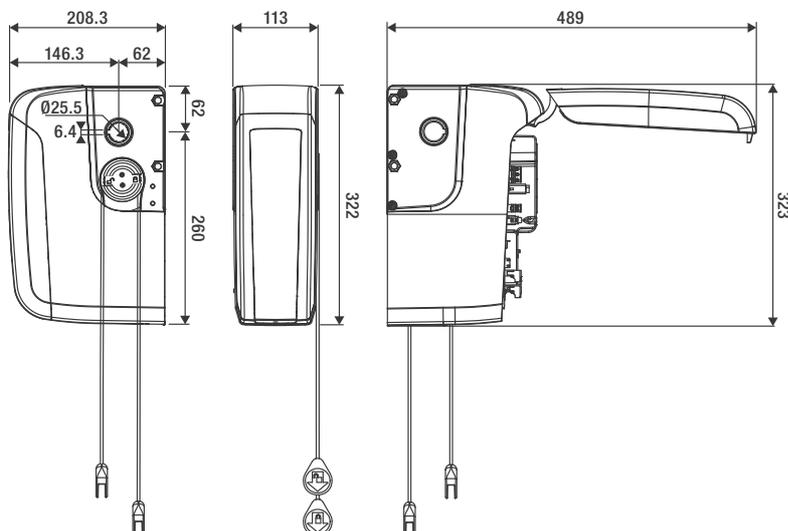
- 24 Vdc side-mounting gear motor with built-in control unit equipped with an extended range switching power supply from 100 to 250 Vac that reduces consumption and ensures the long life of the actuator
- Integrated absolute encoder, which ensures greater precision in slowdowns and advanced control of the door movement so that it never loses the reference position of the door even if there is a power cut or when the automation has been unlocked
- STC System device that enables torque management in relation to the position of the door, ensuring maximum safety
- Equipped with a service light with 14 integrated LEDs that guarantee a high light output
- Two versions, up to 20 m² (JACK24.50) and up to 35 m² (JACK24.80)
- Compact size (11 cm width) that allows a quick and easy mounting even in limited spaces
- Operation guaranteed even in the event of a power failure thanks to batteries that can be perfectly integrated in the motor
- Anti-crushing system with amperometric obstacle detection
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP



CONTROL UNITS:

JACK24.50 ——— CP.JACK 177

JACK24.80 ——— CP.JACK 177





VN.A30
Shaft adapter
Ø 30 mm.



VN.A3175
Shaft adapter
Ø 31.75 mm.



VN.A40
Shaft adapter
Ø 40 mm.



VN.RV
Transmission set
1:1.8 for 1" shaft
(25.4 mm) composed
of two gears with
external diameter
78 mm and 138.4 mm
and chain L = 1 m.



VN.RM
Transmission set 1:1
for 1" shaft (25.4 mm)
composed of two gears
with external diameter
78 mm and chain L = 1 m.



IPB.NO
Industrial keypad
fitted with 2 contacts
that are normally open.



IPB.NC
Industrial keypad
fitted with a contact
that is normally open
and a contact
normally closed.



J.LOCK
24 Vdc electric lock
with knob for
manual release.



LSR.D50
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 5.5x5.5 m.



LSR.D99
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 9.9x9.9 m.



RF.SUN
Battery-operated device
recharged by means
of a photovoltaic panel
applied on a mobile edge.



RF
Device with a non
rechargeable battery,
with guaranteed
duration 2 years.



SC.RF
Device powered at
12/24 Vdc with self-test
function and 2 outputs
for connection to the
electronic control units.



JACK.BAT
1.2 Ah battery kit with
bracket and cable.



JACK24.CB
Kit composed of
cables and brackets
for batteries installation.
Pack of 5 pieces.



SMART
Cover compatible with
TO.GO transmitters for
internal wall mounting.

TECHNICAL DATA	JACK24.50	JACK24.80
Power supply	100 ÷ 250 Vac (50-60Hz)	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	3.3 ÷ 1.8 A	3.3 ÷ 1.8 A
Max torque	50 Nm	80 Nm
Maximum output rotations	20	20
Output speed	34 r.p.m.	22 r.p.m.
Shaft hole	1" (25,4 mm)	1" (25,4 mm)
Duty cycle	intensive use	intensive use
Protection level	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max door surface	20 m ² /max	35 m ² /max
Weight	7.6 kg	7.7 kg
Items no. per pallet	50	50



230_{VAC}

400_{VAC}



VN.S/M VN.ST/MT

SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

up to 40 m²

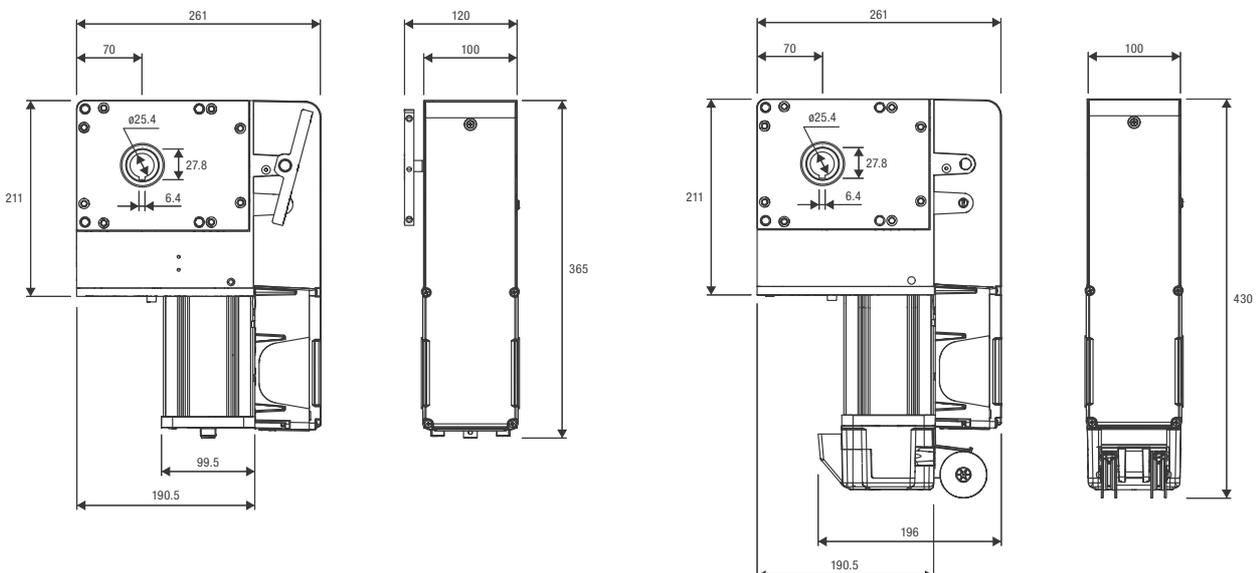


CONTROL UNITS:

VN.S20	—	THINKY	146
VN.M20		START	147
		CELL.P	145
VN.S40	—	THINKY	146
VN.M40		START	147
		CELL.P	145
VN.ST20	—	THINKY	146
VN.MT20		START	147
VN.MT40			

230 Vac | 400 Vac

- Irreversible electromechanical gear motor with quick release or manual chain operated movement available in the single and three-phase versions with 1/20 and 1/40 reduction rates
- Plastic box that makes wiring the motor easier, thanks to the position of the front clip connector and the possibility of reaching three different positions with the wiring
- Two accessories are available for chain drives with reduction rates 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Easy and precise adjustment of limit switch position
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches





VN.A30
Shaft adapter
Ø 30 mm.



VN.A3175
Shaft adapter
Ø 31.75 mm.



VN.A40
Shaft adapter
Ø 40 mm.



VN.RV
Transmission set
1:1.8 for 1" shaft
(25.4 mm) composed
of two gears with
external diameter
78 mm and 138.4 mm
and chain L = 1 m.



VN.RM
Transmission set 1:1
for 1" shaft (25.4 mm)
composed of two gears
with external diameter
78 mm and chain L = 1 m.



VN.CTA
Chain extension.



VN.M4
M4 pinion for use
with rack in horizontal
sliding door configuration.



RI.M4ZF
Galvanised slotted M4
rack 22x22x2010 mm
for fastening to the
side with the teeth.
Supplied with M6 screws.
Package of 1 pc.



IPB.NO
Industrial keypad
fitted with 2 contacts
that are normally open.



IPB.NC
Industrial keypad
fitted with a contact
that is normally open
and a contact
normally closed.



LSR.D50
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 5.5x5.5 m.



LSR.D99
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 9.9x9.9 m.



RF.SUN
Battery-operated device
recharged by means
of a photovoltaic panel
applied on a mobile edge.



RF
Device with a non
rechargeable battery,
with guaranteed
duration 2 years.



SC.RF
Device powered at
12/24 Vdc with self-test
function and 2 outputs
for connection to the
electronic control units.

Wire unlock device	VN.S20	VN.S40	VN.ST20	---
Manual override	VN.M20	VN.M40	VN.MT20	VN.MT40
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)
Max absorbed current	3.3 A	3.3 A	1.7 A	1.7 A
Max torque	130 Nm	130 Nm	180 Nm	180 Nm
Maximum output rotations	18	38	18	38
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft hole	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)
Limit switch reduction ratio	1/20	1/40	1/20	1/40
Duty cycle	30%	30%	50%	50%
Protection level	IP40	IP40	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL	OIL
Max door surface	35 m ² /max	35 m ² /max	40 m ² /max	40 m ² /max
Weight	15.1 kg (VN.S20) 15.3 kg (VN.M20)	15.2 kg (VN.S40) 15.3 kg (VN.M40)	14.8 kg (VN.ST20) 15.1 kg (VN.MT20)	15 kg
Items no. per pallet	32 (VN.S20) 24 (VN.M20)	32 (VN.S40) 24 (VN.M40)	32 (VN.ST20) 24 (VN.MT20)	24

230_{VAC}

VN.S UP

VN.M UP

**CONTROL UNITS:**

VN.S20 UP	———	UP.VN	165
VN.S40 UP	———	UP.VN	165
VN.M20 UP	———	UP.VN	165
VN.M40 UP	———	UP.VN	165

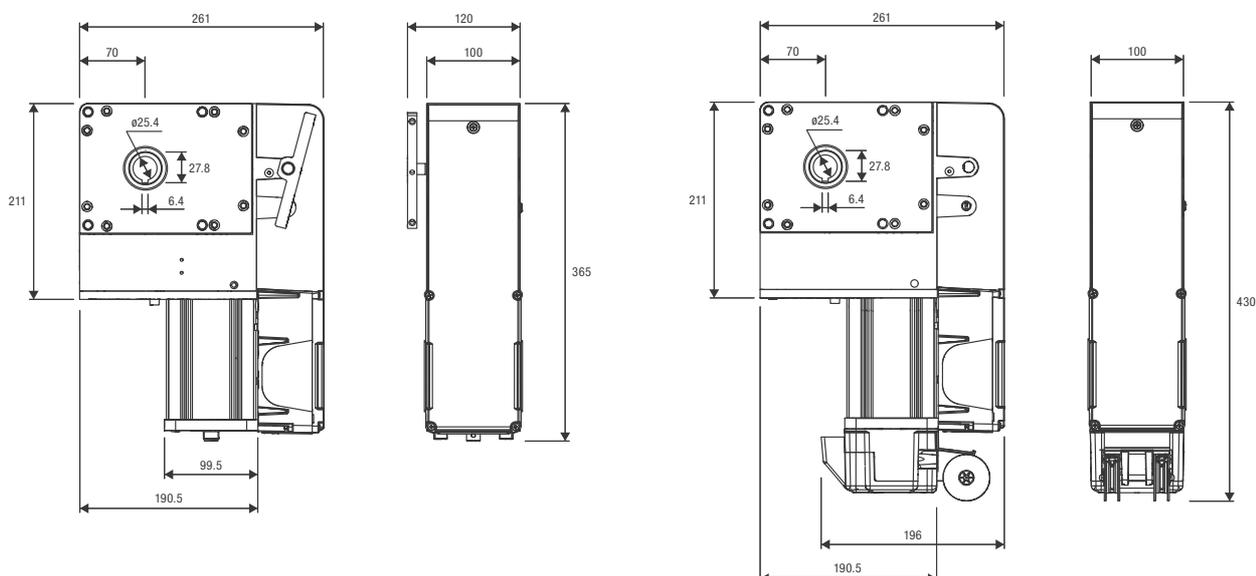
SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

built-in control unit

up to 35 m²

230 Vac

- Irreversible single phase electromechanical geared motor with quick release or manual chain movement available with 1/20 or 1/40 reduction rates
- Plastic box that makes wiring the motor easier, thanks to the position of the front clip connector and the possibility of reaching three different positions with the wiring
- Fitted with integrated deadman's control unit (UP.VN), fitted with very low voltage 12 VDC safety controls. Ideal for simple installations
- Two accessories are available for chain drives with reduction rates 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches





VN.A30
Shaft adapter
Ø 30 mm.



VN.A3175
Shaft adapter
Ø 31.75 mm.



VN.A40
Shaft adapter
Ø 40 mm.



VN.RV
Transmission set
1:1.8 for 1" shaft
(25.4 mm) composed
of two gears with
external diameter
78 mm and 138.4 mm
and chain L = 1 m.



VN.RM
Transmission set 1:1
for 1" shaft (25.4 mm)
composed of two gears
with external diameter
78 mm and chain L = 1 m.



VN.CTA
Chain extension.



VN.M4
M4 pinion for use
with rack in horizontal
sliding door configuration.



RI.M4ZF
Galvanised slotted M4
rack 22x22x2010 mm
for fastening to the
side with the teeth.
Supplied with M6 screws.
Package of 1 pc.



IPB.NO
Industrial keypad
fitted with 2 contacts
that are normally open.



IPB.NC
Industrial keypad
fitted with a contact
that is normally open
and a contact
normally closed.



LSR.D50
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 5.5x5.5 m.



LSR.D99
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 9.9x9.9 m.



RF.SUN
Battery-operated device
recharged by means
of a photovoltaic panel
applied on a mobile edge.



RF
Device with a non
rechargeable battery,
with guaranteed
duration 2 years.



SC.RF
Device powered at
12/24 Vdc with self-test
function and 2 outputs
for connection to the
electronic control units.

TECHNICAL DATA	VN.S20 UP	VN.S40 UP	VN.M20 UP	VN.M40 UP
Motor supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Max absorbed current	3.3 A	3.3 A	3.3 A	3.3 A
Max torque	130 Nm	130 Nm	130 Nm	130 Nm
Maximum output rotations	18	38	18	38
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft hole	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)
Limit switch reduction ratio	1/20	1/40	1/20	1/40
Duty cycle	30%	30%	30%	30%
Protection level	IP40	IP40	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL	OIL
Max door surface	35 m ² /max			
Weight	15.4 kg	15.4 kg	15.6 kg	15.6 kg
Items no. per pallet	32	32	24	24



230_{VAC}

400_{VAC}



VN.S/M ESW VN.ST/MT ESW

SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

quick plug-in connection
equipped with absolute encoder

up to 40 m²



CONTROL UNITS:

VN.S20 ESW — THINKY 146

VN.ST20 ESW — THINKY 146

VN.M20 ESW — THINKY 146

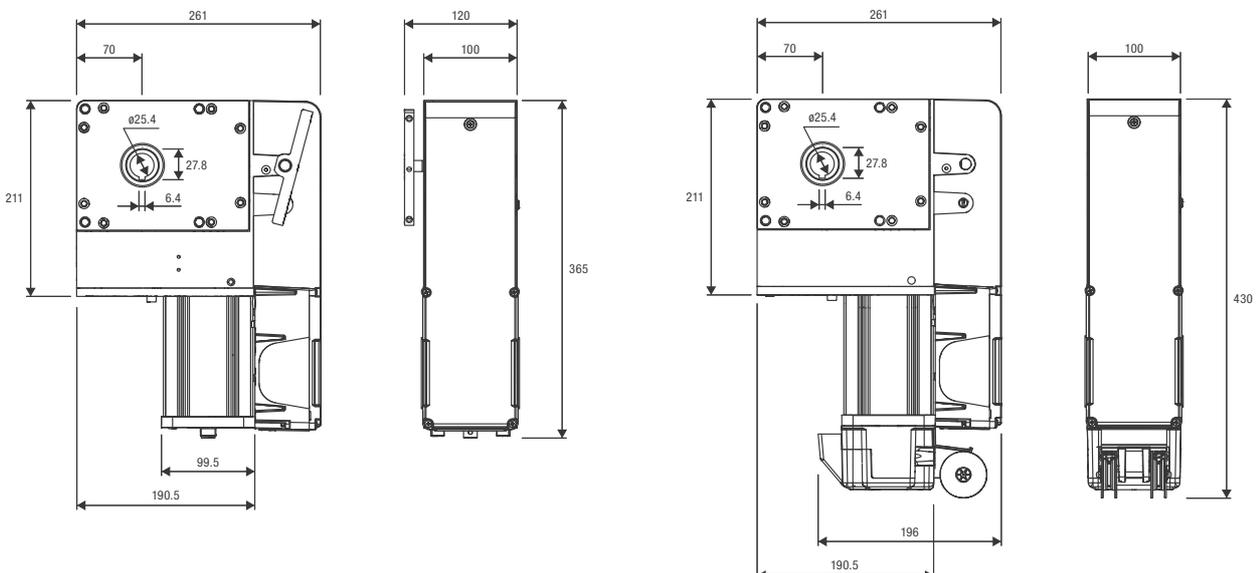
VN.MT20 ESW — THINKY 146

230 Vac | 400 Vac

- Irreversible electromechanical gear motor with quick release or manual override, available in the single phase 230 VAC and three-phase 400 VAC versions with 1/20 reduction rates
- Plastic box that makes wiring the motor easier, thanks to the position of the front clip connector and the possibility of reaching three different positions with the wiring
- Equipped with absolute encoder that permits the regulation of the positions of the opening and closing limit switches on the door directly from the control unit
- Quick plug-in connection for quick and easy installation
- Two accessories are available for chain drives with gear speed reduction rates 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- The single phase model (VN.M20ESW) is also available in kit version with motor, 5 m cable and THINKY control unit



COMPLETE KIT	MOTOR	CONTROL U.	CABLE
KVN.M20ESW	1x VN.M20ESW	1x THINKY	1x CABLE VN.ESW 5





VN.A30
Shaft adapter
Ø 30 mm.



VN.A3175
Shaft adapter
Ø 31.75 mm.



VN.A40
Shaft adapter
Ø 40 mm.



VN.RV
Transmission set
1:1.8 for 1" shaft
(25.4 mm) composed
of two gears with
external diameter
78 mm and 138.4 mm
and chain L = 1 m.



VN.RM
Transmission set 1:1
for 1" shaft (25.4 mm)
composed of two gears
with external diameter
78 mm and chain L = 1 m.



VN.CTA
Chain extension.



VN.M4
M4 pinion for use
with rack in horizontal
sliding door configuration.



RI.M4ZF
Galvanised slotted M4
rack 22x22x2010 mm
for fastening to the
side with the teeth.
Supplied with M6 screws.
Package of 1 pc.



CABLE VN.ESW 5
Cable with quick plug-in
connection. L = 5 m.



CABLE VN.ESW 8
Cable with quick plug-in
connection. L = 8 m.



CABLE VN.ESW 11
Cable with quick plug-in
connection. L = 11 m.



IPB.NO
Industrial keypad
fitted with 2 contacts
that are normally open.



IPB.NC
Industrial keypad
fitted with a contact
that is normally open
and a contact
normally closed.



LSR.D50
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 5.5x5.5 m.



LSR.D99
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 9.9x9.9 m.



RF.SUN
Battery-operated device
recharged by means
of a photovoltaic panel
applied on a mobile edge.



RF
Device with a non
rechargeable battery,
with guaranteed
duration 2 years.



SC.RF
Device powered at
12/24 Vdc with self-test
function and 2 outputs
for connection to the
electronic control units.

TECHNICAL DATA	VN.S20 ESW	VN.ST20 ESW	VN.M20 ESW	VN.MT20 ESW
Motor supply	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)
Max absorbed current	3.3 A	1.7 A	3.3 A	1.7 A
Max torque	130 Nm	180 Nm	130 Nm	180 Nm
Maximum output rotations	18	18	18	18
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft hole	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)
Limit switch reduction ratio	1/20	1/20	1/20	1/20
Duty cycle	30%	50%	30%	50%
Protection level	IP40	IP40	IP40	IP40
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Lubrication	OIL	OIL	OIL	OIL
Max door surface	35 m ² /max	40 m ² /max	35 m ² /max	40 m ² /max
Weight	15.2 kg	15.2 kg	15.5 kg	15.5 kg
Items no. per pallet	32	32	24	24



VN.MT40V

LARGE SECTIONAL DOORS, ROLLING DOORS AND UNBALANCED SHUTTERS INDUSTRIAL USE

manual chain override
quick release



CONTROL UNITS:

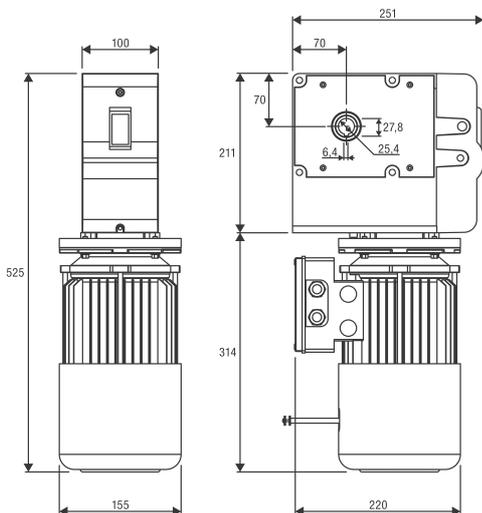
VN.MT40V

THINKY
START

146
147

400 Vac

- Irreversible electromechanical geared motor with manual chain movement and emergency release
- Ventilated electric motor ideal for intensive use and equipped with electric brake
- Two accessories are available for chain drives with reduction rates 1:1 (offset installation of motor) or 1:1.8 (torque or speed multiplier)
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches





VN.A30
Shaft adapter
Ø 30 mm.



VN.A3175
Shaft adapter
Ø 31.75 mm.



VN.A40
Shaft adapter
Ø 40 mm.



VN.RV
Transmission set
1:1.8 for 1" shaft
(25.4 mm) composed
of two gears with
external diameter
78 mm and 138.4 mm
and chain L = 1 m.



VN.RM
Transmission set 1:1
for 1" shaft (25.4 mm)
composed of two gears
with external diameter
78 mm and chain L = 1 m.



VN.CTA
Chain extension.



IPB.NO
Industrial keypad
fitted with 2 contacts
that are normally open.



IPB.NC
Industrial keypad
fitted with a contact
that is normally open
and a contact
normally closed.



LSR.D50
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 5.5x5.5 m.



LSR.D99
Laser control and safety
sensor for industrial
doors, certified
EN12453 type E.
Adjustable Detection
area up to 9.9x9.9 m.



RF.SUN
Battery-operated device
recharged by means
of a photovoltaic panel
applied on a mobile edge.



RF
Device with a non
rechargeable battery,
with guaranteed
duration 2 years.



SC.RF
Device powered at
12/24 Vdc with self-test
function and 2 outputs
for connection to the
electronic control units.

TECHNICAL DATA	VN.MT40V
Motor supply	≈ 400 Vac (50-60Hz)
Max absorbed current	2.2 A
Max torque	340 Nm
Maximum output rotations	38
Output speed	24 r.p.m.
Shaft hole	1" (25,4 mm)
Limit switch reduction ratio	1/40
Duty cycle	intensive use
Protection level	IP40
Operating temperature	-20°C /+50°C
Lubrication	OIL
Weight	22.9 kg
Items no. per pallet	16



230_{VAC}



VN.S40V

INDUSTRIAL SLIDING DOORS AND FOLDING DOORS WITH MORE THAN 2 SECTIONS INDUSTRIAL USE

incorporated wire unlock device and handle



CONTROL UNITS:

VN.S40V

THINKY
START
CELL.P

146

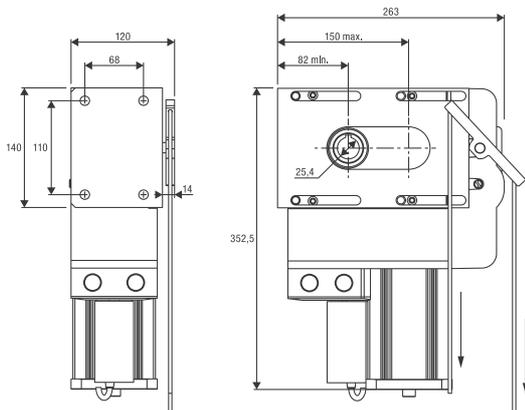
147

145



230 Vac

- Irreversible electromechanical geared motor
- Maximum safety guaranteed during rapid release phases, thanks to a micro-switch that cuts the power supply to the motor
- Oil lubricated reductions with hardened steel screw and bronze gears guarantee high performance, maximum reliability and silent operation
- 4 micrometrically adjustable limit switches



**VN.CT**

1/2" chain. Packing 5m.

**VN.GT**

Joint for chain VN.CT.

**VN.T**

Chain tightener.

**VN.S**

Door fitting brackets for VN.T.

**IPB.NO**

Industrial keypad fitted with 2 contacts that are normally open.

**IPB.NC**

Industrial keypad fitted with a contact that is normally open and a contact normally closed.

**LSR.D50**

Laser control and safety sensor for industrial doors, certified EN12453 type E. Adjustable Detection area up to 5.5x5.5 m.

**LSR.D99**

Laser control and safety sensor for industrial doors, certified EN12453 type E. Adjustable Detection area up to 9.9x9.9 m.

**RF.SUN**

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.

**RF**

Device with a non rechargeable battery, with guaranteed duration 2 years.

**SC.RF**

Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control units.

TECHNICAL DATA	VN.S40V
Motor supply	230 Vac (50-60Hz)
Max absorbed current	1.5 A
Max torque	135 Nm
Maximum output rotations	38
Output speed	48 r.p.m.
Shaft hole	1" (25,4 mm)
Limit switch reduction ratio	1/40
Duty cycle	40%
Protection level	IP40
Operating temperature	-20°C /+50°C
Lubrication	OIL
Door max weight	800 kg
Weight	15.3 kg
Items no. per pallet	32



230_{VAC}

24_{VDC}



ADAM ADAM24



CONTROL UNITS:

ADAM	—————	BRAINY	📄 140
ADAM24	—————	BRAINY24 ^{PLUS}	📄 148
		BRAINY24	📄 149

FOLDING DOOR WITH MAX 2 WINGS INDUSTRIAL USE

with built-in encoder device

up to 120 kg



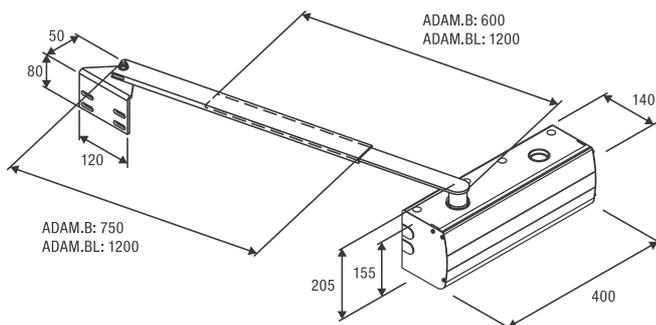
Irreversible electromechanical geared motor available in 230 Vac or 24 Vdc with encoder. Simple and quick to install, equipped with wire quick release. Accessory for LED courtesy lights available.

230 Vac

- Irreversible 230 Vac geared motor
- The encoder device ensures maximum safety and precision in the door moving phases
- Internal metal gears ensure maximum performance and durability over time

24 Vdc | intensive use

- Irreversible 24 Vdc geared motor for intensive use
- The encoder device ensures maximum safety and precision in the door moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Internal metal gears ensure maximum performance and durability over time



**ADAM.B**

Galvanized telescopic arm with welded bush, complete with fixing accessories (L=600 mm).

**ADAM.BL**

Galvanized telescopic arm with welded bush, complete with fixing accessories (L=1200 mm).

**ADAM.LED**

Accessory for LED courtesy lights.

**VN.MS**

Accessory for unlock device with handle.

**FC.ADAM**

Limit switch kit.

TECHNICAL DATA	ADAM*	ADAM24
Motor supply	230 Vac (50-60Hz)	24 Vdc
Max absorbed current	1.75 A	8 A
Torque	350 Nm	260 Nm
Duty cycle	30%	intensive use
Protection level	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	1.5 m	1.3 m
Leaf max weight	120 kg	100 kg
Weight	12.4 kg	11.2 kg
Items no. per pallet	27	27

* Available in 115 VAC version



ROAD BARRIERS & CAR PARK SAVER

HIGH-SPEED BRUSHLESS BARRIER

DIVA
up to 3 m

24 Vdc
intensive use

DIVA.3

CONTROL UNITS

CP.DIVA*

ROAD BARRIERS

LADY
up to 4 m

24 Vdc
intensive use

**LADY
LADY.I**

CP.LADY*
CP.LADY*

DIVA
up to 5 m

24 Vdc
intensive use

DIVA.5

CP.DIVA*

LADY
up to 5 m

24 Vdc
intensive use

**LADY.5
LADY.5I**

CP.LADY*
CP.LADY*

EVA
up to 5 m

24 Vdc
intensive use

EVA.5

CP.EVA*

VE.650
up to 6,5 m

24 Vdc
intensive use

**VE.650
VE.650I**

CP.LADY*
CP.LADY*

EVA
up to 7 m

24 Vdc
intensive use

EVA.7

CP.EVA*

EVA
up to 8 m

24 Vdc
intensive use

EVA.8

CP.EVA*

CONTROL UNITS

CONTROL UNITS

CAR PARK SAVER

VE.SOR
automatic

24 Vdc
intensive use

VE.SOR

DA.SO4

VE.SOM
manual

VE.SOM

* Built-in control unit





DIVA.3



HIGH-SPEED BRUSHLESS BARRIER

control unit with built-in receiver and encoder
brushless motor with oil lubricated reductions
built-in battery charger
external release



for passages up 3 m
opening in 0.8 s (80°)



24 Vdc | continuous use



- 24 Vdc electromechanical barrier with control unit with integrated receiver and battery charger and switching power supply of 115/230 Vac
- Electric motor with brushless technology that guarantees optimum performance, reliability, fluid movements and a very long lifespan of the operator. This represents the ideal solution in contexts requiring a particularly intensive use (**Mean Cycles Between Failures = 5 million cycles**)
- Oil lubricated metal reduction and bronze gear that minimises wear and increases corrosion resistance
- The upper cover allows a fast access to the control unit, it is characterised by a lock with a personalised key for the opening and hinges that facilitate the installation and the wiring operations
- RGB Led lights integrated in the cover and on the arm, with the possibility to work as a flashing light, a presence light with fixed colour, settable through the wiring. Through the accessory DIVA.TL, it is possible to adjust the colour of the lights according to the boom position (traffic light function)
- Illumination and light diffusion systems on both the cover and the arm designed to guarantee the maximum visibility in every direction and work as footpath lights under the arm itself
- Highest performance and speed
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP



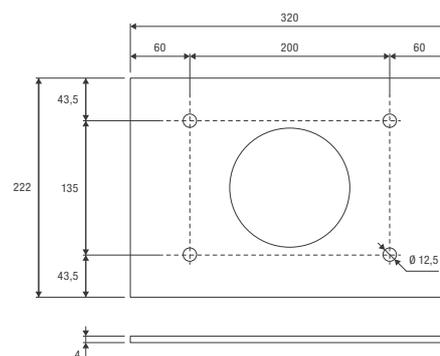
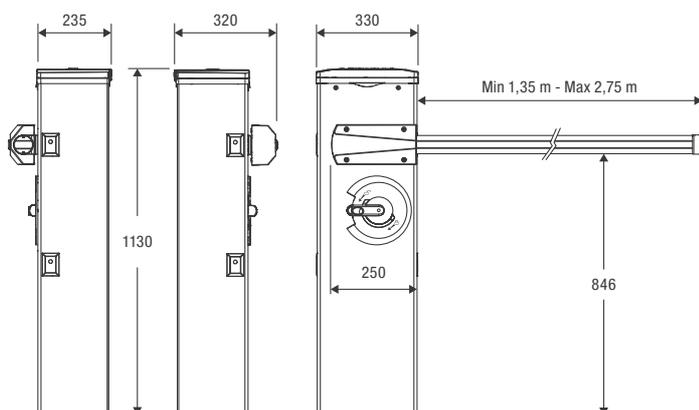
CONTROL UNITS:

DIVA.3 ————— CP.DIVA

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Foundation plate not included (VE.PS)



VE.PS



DIVA3.AL
Fiberglass arm complete with RGB LED and profile for light diffusion. Equipped with cap (L = 3 m).



DIVA3.AB
Fiberglass arm without LED, equipped with cap and shockproof rubber (L = 3 m).



VE.PS
Foundation plate with coach screws.



EVA.AF
Painted fixed support.



DIVA.FAN
Electric fan and filter for CP.DIVA control unit.



DIVA.TL
Electronic board to adjust the light colours on the arm and the crown according to the boom position (traffic light function).



VE.CS
Traffic-light control unit for LED.TL.



LED.TL
2 light 230 Vac LED traffic light.



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



LSR.B
Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.



VE.KM1HN
Single-channel 24 Vac/dc detector for magnetic loop.



VE.KM2HN
Two-channel 24 Vac/dc detector for magnetic loop.



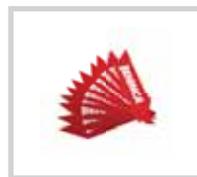
CABLE.L6
Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.



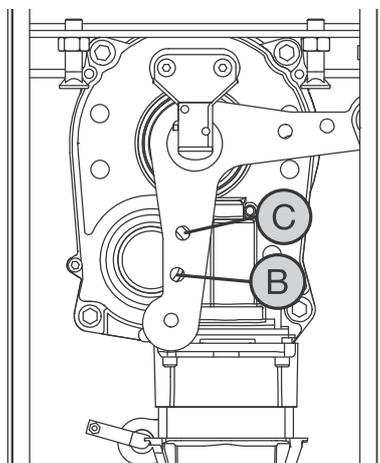
CABLE.L10
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.



FTC.S
24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



CAT.20
Set of 20 adhesive refractor strips.



POSITIONING OF THE SPRING

Arm length	from 1.6 to 2.5 m	from 2.6 to 3 m
Hook point	C	B

TECHNICAL DATA	DIVA.3
Power supply	115 Vac / 230 Vac (50-60 Hz)
Motor supply	24 Vdc BRUSHLESS 3PH
Max absorbed current	3 / 1,5 A
Opening time	0.8 s (80°)
Duty cycle	continuous use
MCBF	5 million cycles
Protection level	IP44 (control unit IP54)
Operating temperature	-20°C /+50°C
Lubrication	OIL
Weight	49 kg
Items no. per pallet	9



DIVA.5



ROAD BARRIERS

control unit with built-in receiver and encoder
brushless motor with oil lubricated reductions
built-in battery charger
external release



for passages up 5 m



24 Vdc | continuous use



- 24 Vdc electromechanical barrier with control unit with integrated receiver and battery charger and switching power supply of 115/230 Vac
- Electric motor with brushless technology that guarantees optimum performance, reliability, fluid movements and a very long lifespan of the operator. This represents the ideal solution in contexts requiring a particularly intensive use (**Mean Cycles Between Failures = 3 million cycles**)
- Oil lubricated metal reduction and bronze gear that minimises wear and increases corrosion resistance
- The upper cover allows a fast access to the control unit, it is characterised by a lock with a personalised key for the opening and hinges that facilitate the installation and the wiring operations
- RGB Led lights integrated in the cover and on the arm (RGB.5 accessory), with the possibility to work as a flashing light, a presence light with fixed colour, settable through the wiring. Through the accessory DIVA.TL, it is possible to adjust the colour of the lights according to the boom position (traffic light function)
- Illumination and light diffusion systems the cover designed to guarantee the maximum visibility in every direction and work as footpath lights under the arm itself
- Highest performance and speed
- Designed for the connection of the X.BE accessory in order to be integrated with KNX domotics installations and the programming through the app BeUP and the interface PRO.UP



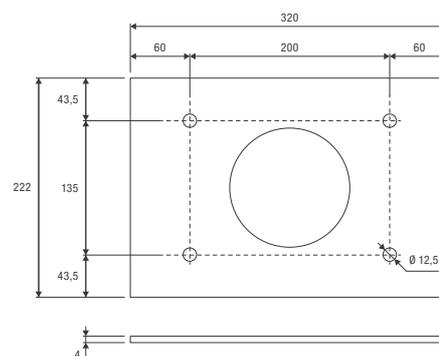
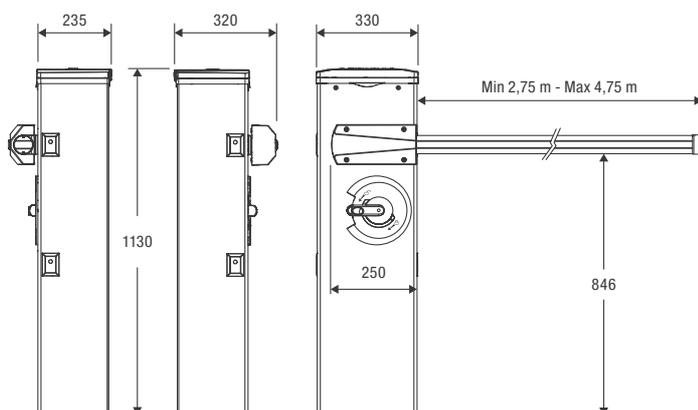
CONTROL UNITS:

DIVA.5 ————— CP.DIVA

178



Foundation plate not included (VE.PS)

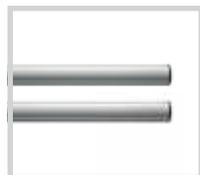


VE.PS



DIVA5.A

Painted elliptical aluminium arm complete with cap, profile in shockproof rubber (L: 5 m).



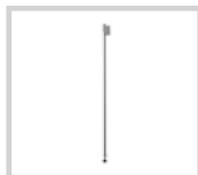
DIVA5.A2

Painted elliptical aluminium arm cut into two pieces measuring 2.5 m each. Equipped with joint.



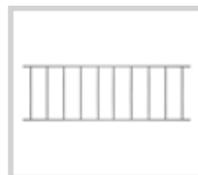
VE.PS

Foundation plate with coach screws.



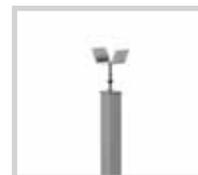
VE.AM

Mobile support for arms.



VE.RAST

Aluminium rack L= 2 m. H= 60 cm



EVA.AF

Painted fixed support.



GNT.SN

Articulated joint set for DIVA5.A / EVA5.A arms.



RGB.5

Set of RGB LED lights for arm. L = 5 m.



DIVA.FAN

Electric fan and filter for CP.DIVA control unit.



DIVA.TL

Electronic board to adjust the light colours on the arm and the crown according to the boom position (traffic light function).



VE.CS

Traffic-light control unit for LED.TL.



LED.TL

2 light 230 Vac LED traffic light.



SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



LSR.B

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.



VE.KM1HN

Single-channel 24 Vac/dc detector for magnetic loop.

VE.KM2HN

Two-channel 24 Vac/dc detector for magnetic loop.



CABLE.L6

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

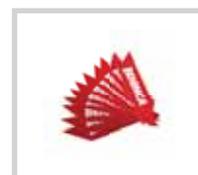
CABLE.L10

Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.



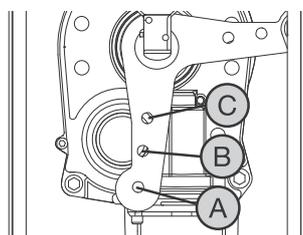
FTC.S

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



CAT.20

Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)				
	3	3,5	4	4,5	5
DIVA5.A	C	C	B	B	A
DIVA5.A + VE.AM	C	C	B	B	A
DIVA5.A + GNT.SN	C	C	B	B	A
DIVA5.A + VE.RAST	C	B	B	A	A
DIVA5.A + VE.RAST + VE.AM	C	B	B	A	A
DIVA5.A + SC.RES	C	B	B	A	A
DIVA5.A + SC.RES + VE.AM	C	B	B	A	A

Key: DIVA5.A: Arm with rubber and upper profile / VE.RAST: Aluminium skirt / VE.AM: Mobile support for bar / GNT.SN: Articulated joint set for arm / SC.RES: Sensitive resistive edge (complying with annex 4 of the Machines Directive).

Attention: Installations of VE.RAST, SC.RES and GNT.SN are mutually exclusive. The installation of the RGB.5 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	DIVA.5
Power supply	115 Vac / 230 Vac (50-60 Hz)
Motor supply	24 Vdc BRUSHLESS 3PH
Max absorbed current	3 / 1.5 A
Opening time	2.5 s (80°)
Duty cycle	continuous use
MCBF	3 million cycles
Protection level	IP44 (control unit IP54)
Operating temperature	-20°C /+50°C
Lubrication	OIL
Weight	49 kg
Items no. per pallet	9



EVA5.A
Painted elliptical aluminium arm complete with cap, profile in shock-proof rubber (L: 5 m).



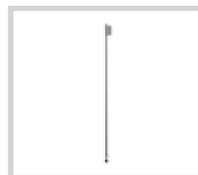
EVA5.A2
Painted elliptical aluminium arm cut into two pieces measuring 2.5 m each. Equipped with joint.



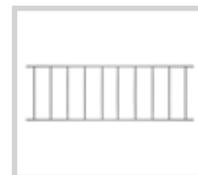
EVA5.G
Aluminium joint.



VE.PS
Foundation plate with coach screws.



VE.AM
Mobile support for arms.



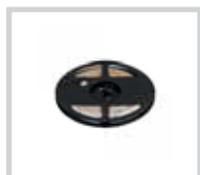
VE.RAST
Aluminium rack L= 2 m. H= 60 cm



EVA.AF
Painted fixed support.



GNT.SN
Articulated joint set for DIVA5.A / EVA5.A arms.



LED.AL5
Set of LED lights for arm. L = 5 m.



EVA.LAMP
Circuit for flashing light.



VE.CS
Traffic-light control unit for LED.TL.



LED.TL
2 light 230 Vac LED traffic light.



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



LSR.B
Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.



VE.KM1HN
Single-channel 24 Vac/dc detector for magnetic loop.
VE.KM2HN
Two-channel 24 Vac/dc detector for magnetic loop.



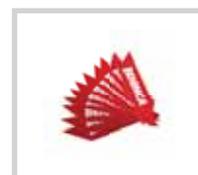
CABLE.L6
Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.



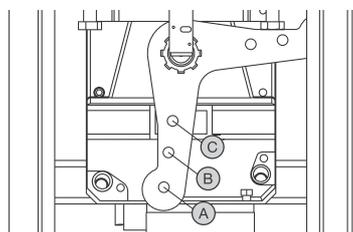
CABLE.L10
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.



FTC.S
24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



CAT.20
Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)				
	3	3,5	4	4,5	5
EVA5.A	C	C	B	B	A
EVA5.A + VE.AM	C	C	B	B	A
EVA5.A + GNT.SN	C	C	B	B	A
EVA5.A + VE.RAST	C	B	B	A	A
EVA5.A + VE.RAST + VE.AM	C	B	B	A	A
EVA5.A + SC.RES	C	B	B	A	A
EVA5.A + SC.RES + VE.AM	C	B	B	A	A

Key: DIVA5.A: Arm with rubber and upper profile / VE.RAST: Aluminium skirt / VE.AM: Mobile support for bar / GNT.SN: Articulated joint set for arm / SC.RES: Sensitive resistive edge (complying with annex 4 of the Machines Directive).

Attention: Installations of VE.RAST, SC.RES and GNT.SN are mutually exclusive. The installation of the LED.AL5 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	EVA.5
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	205 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	54.8 kg
Items no. per pallet	9



EVA.7



ROAD BARRIERS

control unit with integrated receiver and absolute encoder
 built-in battery charger
 external release
 2 standard 480 mm springs included



for passages up to 7 m



CONTROL UNITS:

EVA.7 ————— CP.EVA

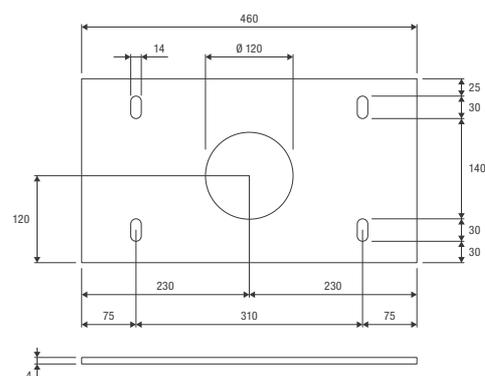
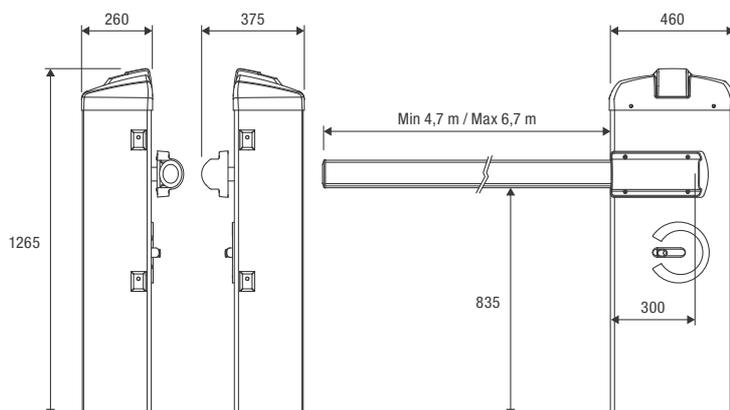
179



24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Integrated absolute encoder, which ensures greater precision in slowdowns and advanced control of the boom movement so that it never loses the reference position of the boom even if there is a power cut or the automatic device is released
- Integrated STC System for precise torque calculation
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- LED.AL8 arm lights with adjustable intensity
- Reduced energy use on stand-by
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Integrated flashing lamp (requires EVA.LAMP accessory)
- Available in right or left side versions

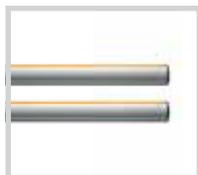
Foundation plate not included (VE.P650)



VE.P650



EVA7.A
Painted elliptical aluminium arm complete with cap, profile in shock-proof rubber (L: 7 m).



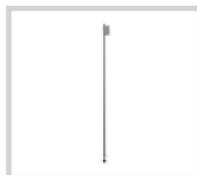
EVA7.A2
Painted elliptical aluminium arm cut into two pieces measuring 3.5 m each. Equipped with joint.



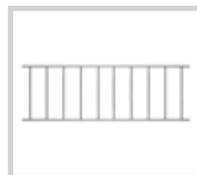
EVA7.G
Aluminium joint.



VE.P650
Foundation plate with coach screws.



VE.AM
Mobile support for arms.



VE.RAST
Aluminium rack L= 2 m. H= 60 cm



EVA.AF
Painted fixed support.



LED.AL8
Set of LED lights for arm. L = 8 m.



EVA.LAMP
Circuit for flashing light.



VE.CS
Traffic-light control unit for LED.TL.



LED.TL
2 light 230 Vac LED traffic light.



EVA.KM
364 mm spring.



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



LSR.B
Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.



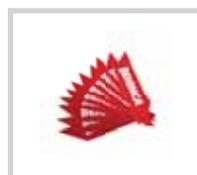
VE.KM1HN
Single-channel 24 Vac/dc detector for magnetic loop.
VE.KM2HN
Two-channel 24 Vac/dc detector for magnetic loop.



CABLE.L6
Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.
CABLE.L10
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.



FTC.S
24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



CAT.29
Set of 20 adhesive refractor strips.

□ **WITHOUT ACCESSORIES**

BAR LENGTH (m)	TYPE OF SPRING	APPROX TENSIONING OF THE SPRING (mm)	
		EVA.KM	STANDARD SPRING
5	STANDARD SPRING	---	35
5,5	STANDARD SPRING	---	90
6	EVA.KM + STANDARD SPRING	31	15
6,5	N° 2 STANDARD SPRINGS	---	5 / 5
7	N° 2 STANDARD SPRINGS	---	35 / 35

□ **WITH ACCESSORIES: CAP, EVA.L, SC.RES/VE.RAST, VE.AM**

BAR LENGTH (m)	TYPE OF SPRING	APPROX TENSIONING OF THE SPRING (mm)	
		EVA.KM	STANDARD SPRING
5	STANDARD SPRING	---	100
5,5	EVA.KM + STANDARD SPRING	52	138
6	N° 2 STANDARD SPRINGS	---	20 / 20
6,5	N° 2 STANDARD SPRINGS	---	65 / 65
7	---	---	--- / ---

Attention: The installation of the VE.RAST interferes with the use of the SC.RES and vice versa. The installation of the LED.AL8 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	EVA.7
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	285 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	78.4 kg
Items no. per pallet	6



EVA.8



ROAD BARRIERS

control unit with integrated receiver and absolute encoder
 built-in battery charger
 external release
 2 standard 480 mm springs and one 364 mm spring included



for passages up to 8 m



CONTROL UNITS:

EVA.8 ————— CP.EVA

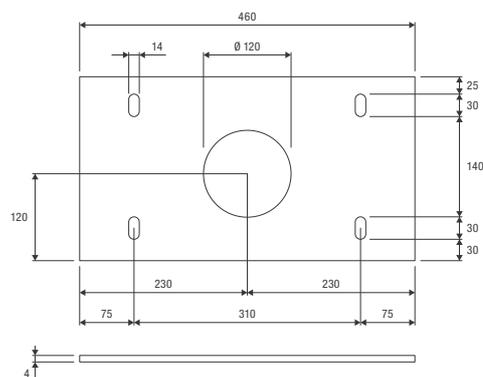
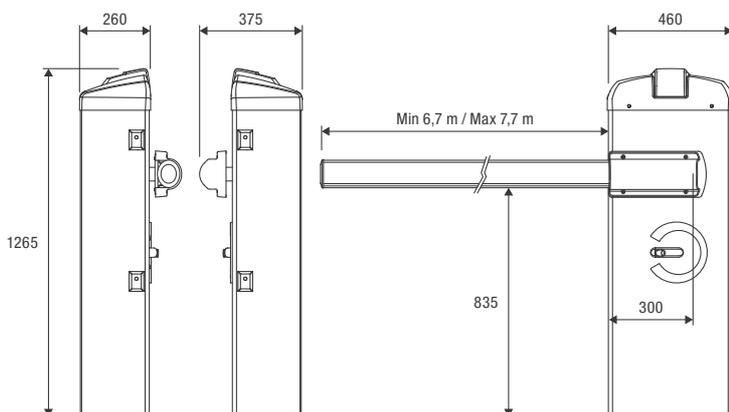
179



24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Integrated absolute encoder, which ensures greater precision in slowdowns and advanced control of the boom movement so that it never loses the reference position of the boom even if there is a power cut or the automatic device is released
- Integrated STC System for precise torque calculation
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- LED.AL8 arm lights with adjustable intensity
- Reduced energy use on stand-by
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Integrated flashing lamp (requires EVA.LAMP accessory)
- Available in right or left side versions

Foundation plate not included (VE.P650)



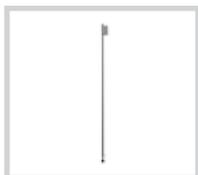
VE.P650

**EVA8.A2**

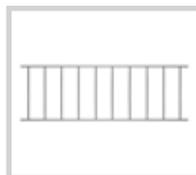
Painted elliptical aluminium arm complete with cap, profile in shock-proof rubber (L. 8m). Available only in the cut version equipped with 2 joints.

**VE.P650**

Foundation plate with coach screws.

**VE.AM**

Mobile support for arms.

**VE.RAST**

Aluminium rack L= 2 m. H= 60 cm

**EVA.AF**

Painted fixed support.

**LED.AL8**

Set of LED lights for arm. L = 8 m.

**EVA.LAMP**

Circuit for flashing light.

**VE.CS**

Traffic-light control unit for LED.TL.

**LED.TL**

2 light 230 Vac LED traffic light.

**SIS**

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.

**LSR.B**

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.

**VE.KM1HN**

Single-channel 24 Vac/dc detector for magnetic loop.

**VE.KM2HN**

Two-channel 24 Vac/dc detector for magnetic loop.

**CABLE.L6**

Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

CABLE.L10

Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.

**FTC.S**

24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.

**CAT.29**

Set of 20 adhesive refractor strips.

BAR LENGTH	ACCESSORIES FOR USE
7 m	VE.RAST
	SC.RES
	VE.RAST + VE.AM
	SC.RES + VE.AM
8 m	---

Attention: The installation of the VE.RAST interferes with the use of the SC.RES and vice versa. The installation of the LED.AL8 lights kit does not influence the balancing of the bar.

TECHNICAL DATA	EVA.8
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	285 Nm
Opening time	3.5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	82 kg
Items no. per pallet	6



24VDC

LADY



64

ROAD BARRIERS

control unit with integrated receiver
built-in battery charger
external release

for passages up to 4 m



CONTROL UNITS:

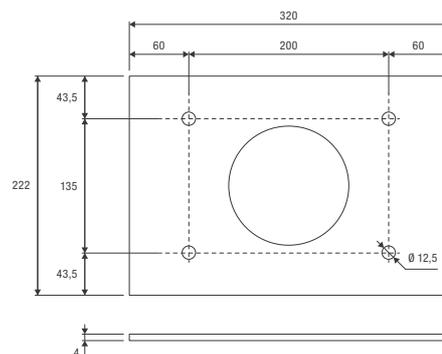
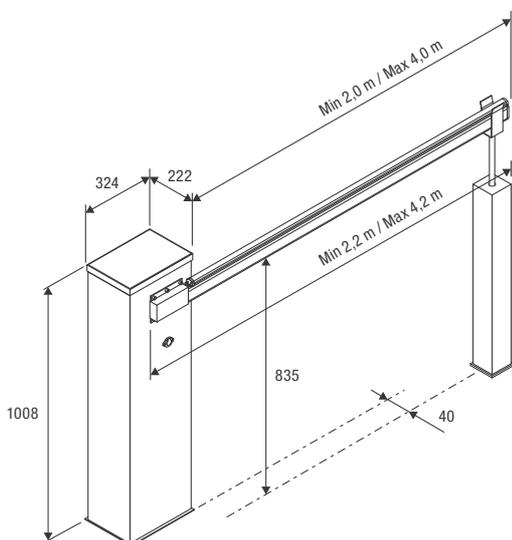
LADY ————— CP.LADY 180



24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- Reduced energy use on stand-by
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Simple, fast and reliable boom balancing system
- Adjustable slow-downs
- Available also in the stainless steel version, LADY.I

Foundation plate not included (VE.PS)



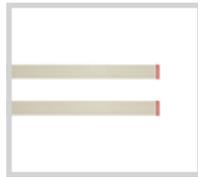
VE.PS



LADY.P
4.2 m white painted aluminium arm.



LADY.A
Aluminium arm measuring 4.2 m, with cap. Dimensions 60x38 mm.



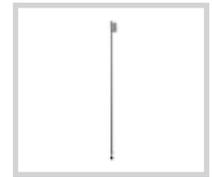
LADY.A2
Aluminium arm cut into two pieces measuring 2.1 m each. Dimensions 60x38 mm. Requires LADY.GT joint.



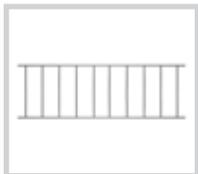
LADY.GT
LADY.A2 arm joint.



VE.PS
Foundation plate with coach screws.



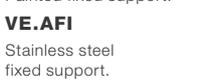
VE.AM
Mobile support for arms.



VE.RAST
Aluminium rack L= 2 m. H= 60 cm



VE.AF
Painted fixed support.



VE.AFI
Stainless steel fixed support.



LADY.SN
Articulated joint set for LADY.A / LADY.P (rubber profiles must be removed). It comprises the use of any other accessory.



LADY.L
Flashing light set for LADY.P.



VE.CS
Traffic-light control unit for LED.TL.



LED.TL
2 light 230 Vac LED traffic light.



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



LSR.B
Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.



VE.KM1HN
Single-channel 24 Vac/dc detector for magnetic loop.



VE.KM2HN
Two-channel 24 Vac/dc detector for magnetic loop.



CABLE.L6
Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.



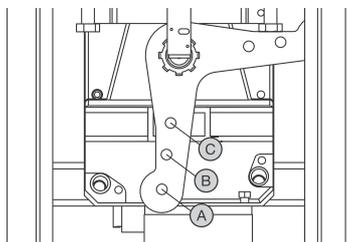
CABLE.L10
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.



FTC.S
24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



CAT.29
Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)				
	2.2	2.7	3.2	3.7	4.2
No accessories	C	C	C	B	A
LADY.P (only upper)	C	C	B	B	A
LADY.P (upper and lower)	C	C	B	B	A
VE.RAST	C	B	B	A	---
LADY.P (only upper) + VE.RAST	C	B	B	A	---
LADY.P (only upper) + VE.AM	C	B	B	A	A
LADY.P (upper and lower) + VE.AM	C	B	B	A	---
LADY.P (only upper) + VE.RAST + VE.AM	C	B	A	---	---
SC.RES	C	B	B	A	---
LADY.P (only upper) + SC.RES	C	B	A	A	---
SC.RES + VE.AM	C	B	A	A	---
LADY.P (only upper) + SC.RES + VE.AM	C	B	A	---	---

The installation of the VE.RAST interferes with the use of the SC.RES and vice versa. The installation of the LADY.L lights kit does not influence the balancing of the bar.

TECHNICAL DATA	LADY
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3 / 1.5 A
Torque	195 Nm
Opening time	3,5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	50.8 kg
Items no. per pallet	9



24VDC

LADY.5



64

ROAD BARRIERS

control unit with integrated receiver
built-in battery charger
external release

for passages up to 5 m



CONTROL UNITS:

LADY.5 ————— CP.LADY  180

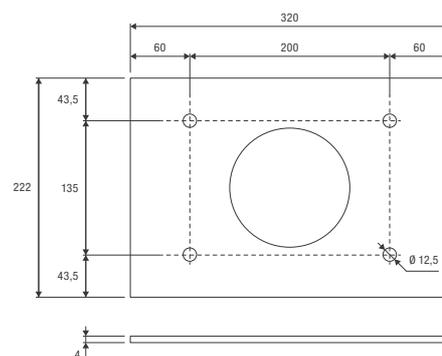
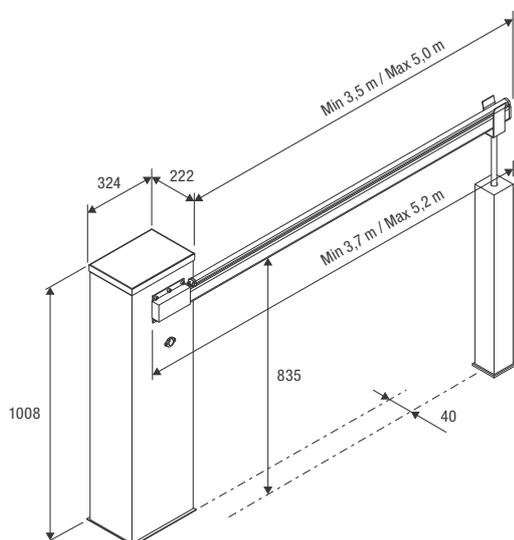


RAL 2009

24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use with control unit with integrated receiver, battery charger and extended range switching power supply from 100 to 250 Vac
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- Reduced energy use on stand-by
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Simple, fast and reliable boom balancing system
- Adjustable slow-downs
- Available also in the stainless steel version, LADY.5I

Foundation plate not included (VE.PS)



VE.PS



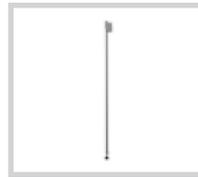
LADY.P5
5.2 m white painted aluminium arm.



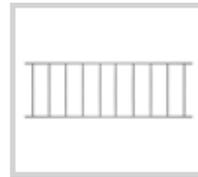
LADY.A5
Aluminium arm measuring 5.2 m, with cap. Dimensions 60x38 mm.



VE.PS
Foundation plate with coach screws.



VE.AM
Mobile support for arms.



VE.RAST
Aluminium rack L= 2 m. H= 60 cm



VE.AF
Painted fixed support.

VE.AFI
Stainless steel fixed support.



LADY.SN
Articulated joint set for LADY.P5 (rubber profiles must be removed). It compromises the use of any other accessory.



LADY.L
Flashing light set for LADY.P.



VE.CS
Traffic-light control unit for LED.TL.



LED.TL
2 light 230 Vac LED traffic light.



SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



LSR.B
Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.



VE.KM1HN
Single-channel 24 Vac/dc detector for magnetic loop.

VE.KM2HN
Two-channel 24 Vac/dc detector for magnetic loop.



CABLE.L6
Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

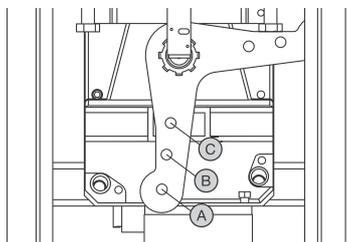
CABLE.L10
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.



FTC.S
24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



CAT.29
Set of 20 adhesive refractor strips.



ACCESSORIES FOR USE	BAR LENGTH (m)			
	3.7	4.2	4.7	5.2
No accessories	---	---	C	C
LADY.P (only upper)	---	C	B	B
LADY.P (upper and lower)	C	C	B	B
VE.RAST	C	B	B	A
LADY.P (only upper) + VE.RAST	C	B	A	A
LADY.P (only upper) + VE.AM	C	C	B	B
LADY.P (upper and lower) + VE.AM	C	B	B	A
LADY.P (only upper) + VE.RAST + VE.AM	B	B	A	A
SC.RES	C	B	B	A
LADY.P (only upper) + SC.RES	C	B	A	A
SC.RES + VE.AM	B	B	A	A
LADY.P (only upper) + SC.RES + VE.AM	B	B	A	A
VE.RAST + VE.AM	B	B	A	A

The installation of the VE.RAST interferes with the use of the SC.RES and vice versa. The installation of the LADY.L lights kit does not influence the balancing of the bar.

TECHNICAL DATA	LADY.5
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	195 Nm
Opening time	3,5" ÷ 6"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	50.8 kg
Items no. per pallet	9



24VDC

VE.650



64

ROAD BARRIERS

integrated control unit
2 neutral springs included

for passages up to 6.5 m



CONTROL UNITS:

VE.650 ——— CP.LADY 180

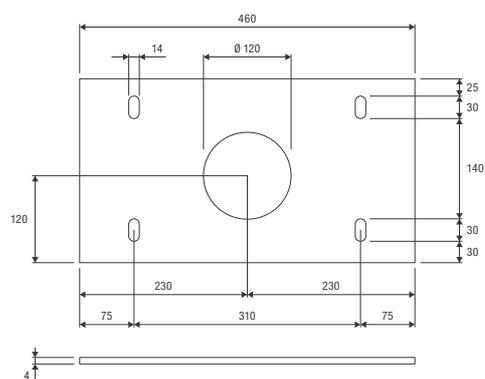
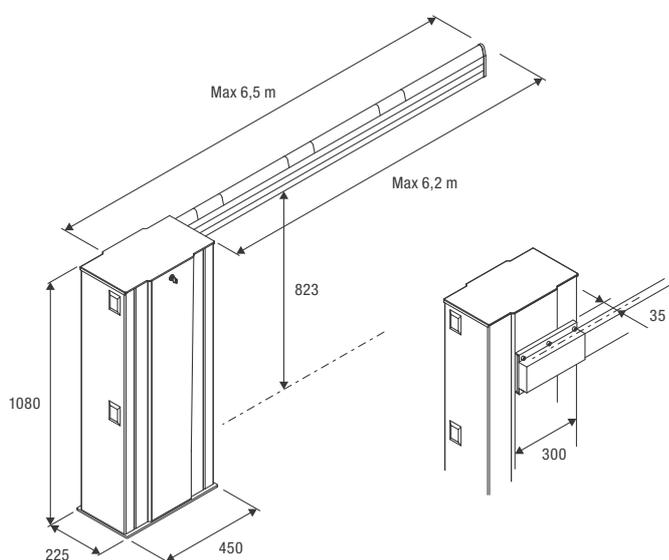


RAL 2009

24 Vdc | intensive use

- 24 Vdc electromechanical barrier with control unit with integrated receiver and battery charger and extended range switching power supply from 100 to 250 Vac
- Easy installation and possibility of quick connection for operation of opposed barriers, thanks to the SIS accessory board
- Reduced energy use on stand-by
- Possibility to install FTC.S photocells using concealed system so that they are perfectly integrated
- Adjustable limit switches for slowdown phases
- Available also in the stainless steel version VE.650I

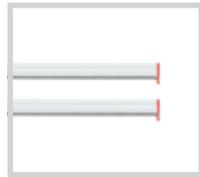
Foundation plate not included (VE.P650)



VE.P650



VE.650A
Painted aluminium arm with caps. Dimensions: 6500x100x40 mm.



VE.650A2
Painted aluminium arm cut into two pieces measuring 3.25 m each. Requires VE.GT24 joint.



VE.C650
Painted tubular arm Ø 90 mm in aluminium L=6500 mm with caps and galvanised fixing bracket. Suitable for areas with strong wind.



VE.C6502
Tubular arm Ø 90 mm cut into two pieces measuring 3.25 m each. Requires VE.GT90 joint.



VE.GT24
VE.650A2 aluminium arm joint.

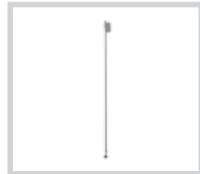
VE.GT90
VE.C6502 aluminium arm joint.



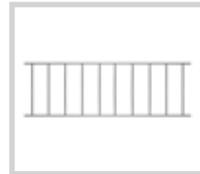
VE.RP
Protection rubber for VE.650A with aluminium profile and caps. **Packing: 10 m**



VE.P650
Foundation plate with coach screws.



VE.AM
Mobile support for arms.



VE.RAST
Aluminium rack L= 2 m. H= 60 cm



VE.AF
Painted fixed support.

VE.AFI
Stainless steel fixed support.



VE.L650
Flashing light set for VE.650A/VE.650A2.



LED.TL
2 light 230 Vac LED traffic light.

VE.CS
Traffic-light control unit for LED.TL.



VE.KMB
White spring.

VE.KMG
Yellow spring.

VE.KMN
Neutral spring.

VE.KM24
Set of 3 springs: yellow, neutral, white.



DA.2S
Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).



VE.KM1HN
Single-channel 24 Vac/dc detector for magnetic loop.

VE.KM2HN
Two-channel 24 Vac/dc detector for magnetic loop.



CABLE.L6
Loop with 6 m connection cable, for VE.KM1HN/VE.KM2HN.

CABLE.L10
Loop with 10 m connection cable, for VE.KM1HN/VE.KM2HN.



FTC.S
24 Vac/dc surface mounting photocell. It is possible to synchronise up to 4 pairs of photocells.



CAT.55
Set of 20 adhesive refractor strips.

ACCESSORIES FOR USE	TYPE OF SPRING	BAR LENGTH (m)
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	1 neutral	4.5
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	1 yellow + 1 neutral	5
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	1 yellow + 1 neutral	5.5
---	1 yellow + 1 neutral	6
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	2 neutral	6
VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST	2 neutral	6.5

Installations of VE.RAST, SC.RES and VE.RP are mutually exclusive.

TECHNICAL DATA	VE.650
Power supply	100 ÷ 250 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	3.1 / 1.6 A
Torque	285 Nm
Opening time	5" ÷ 7"
Duty cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	80.2 kg
Items no. per pallet	6



24VDC

VE.SOR VE.SOM



CONTROL UNITS:

VE.SOR ——— DA.SO4+DA.E 153

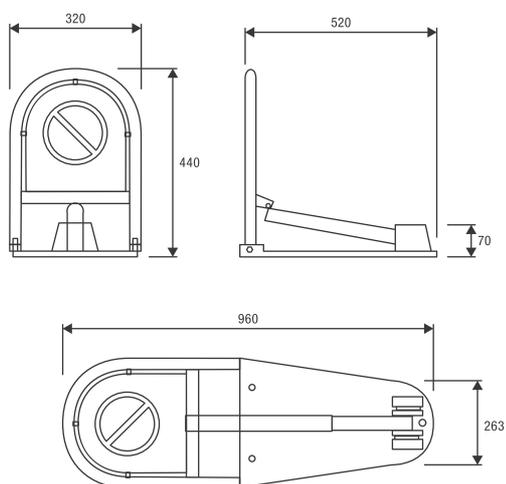
CAR PARK SAVER

available in automatic or manual version



24 Vdc | intensive use

- Automation that safeguards the private car parks
- Easy and fast installation on the ground
- Automatic and manual versions available





DA.S04
Control unit, for max. 4 VE.SOR, prepared for plug-in receiver
N.B. 1 module DA.E each VE.SOR is required.



DA.E
Module for VE.SOR (one DA.E each VE.SOR).



DA.RB
Battery charger card for DA.S04.



DA.BT2
2.1Ah 12 Vdc Battery.
DA.BT6
7 Ah 12 Vdc Battery.



XLB.CB
Battery box fitted with universal bracket and cables. IP54.



ONE.2WI
433.92 MHz receiver with power supply 12÷28 Vdc / 21÷28 Vac, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.

TECHNICAL DATA	VE.SOM	VE.SOR
Operating way	manual	24 Vdc / automatic
Power supply	---	230 Vac (50-60Hz)
Motor supply	---	24 Vdc
Max absorbed current	---	2 A
Opening time	---	9"
Duty cycle	---	intensive use
Protection level	---	IP54
Operating temperature	---	-20°C /+50°C
Weight	8 kg	9 kg
Items no. per pallet	22	22



CONTROL UNITS

EXTERNAL CONTROL UNITS	Voltage	Motors	Applications	Control Units
EXTERNAL CONTROL UNITS	230 Vac single-phase	1 MOTOR	swing gates	HEADY
			swing and sliding gates	BRAINY BRAINY.P CORE
			sliding gates	MATRIX
			counterweight garage doors	LOGICA
			industrial sliding doors, folding doors with more than two sections and shutters	CELL.P
	230-400 Vac single-phase three-phase	1 MOTOR	sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding	THINKY THINKY.P THINKY.I START START.I
			counterweight garage doors	TILTY24 LOGICA24
	24 Vdc	1 MOTOR	folding door with max 2 wings	BRAINY24 PLUS BRAINY24 BRAINY24.P
			swing gates	BRAINY24 PLUS BRAINY24 BRAINY24.P TRUST24
		2 MOTORS	counterweight garage doors	TILTY24 LOGICA24
swing gates, opposing sliding gates, and industrial folding doors with a maximum of 2 wings			BRAINY24 PLUS BRAINY24 BRAINY24.P	
4 MOTORS	swing gates	TRUST24		
	car park saver	DA.S04 + DA.E		

INTERNAL
CONTROL
UNITS

INTERNAL CONTROL UNITS	230 Vac single-phase	sliding gates	CP.CORE CP.BULL8-OM CP.BULL-RI CP.BULL-REV CP.BULL20-HE CP.BULL OMI
		garage	CP.ZED-AUTR
		industrial doors	UP.VN
	230-400 Vac single-phase three-phase	sliding gates	CP.BISON OTI CP.BISON OTI L CP.YAK OTI
		swing gates	CP.SAM CP.BN CP.MBY24
		sliding gates	CP.B24-SW CP.B24 TURBO CP.B24-D120
	24 Vdc	garage	CP.MARK CP.ZED24 CP.J3-SW CP.J4-SW CP.J4ESA CP.JT
		industrial doors	CP.JACK
		road barriers	CP.DIVA CP.EVA CP.LADY

GREEN
ECONOMYKSUN
SUNNY



SUN SYSTEM



GREEN ECONOMY

30W SOLAR PANEL

PRACTICAL, ECOLOGICAL

SUN SYSTEM is the perfect solution for installing automated mechanisms in places where there is no source of electricity and without having to spend money on costly construction.

TECHNOLOGY AND EVOLUTION!

The fact that there is a display panel allows operators to monitor several important parameters regarding historical data and statistics at all times:

- Instant values on battery and solar panel voltage
- Instant values on the current generated by the solar panel and the batteries
- Number of days the system has been in operation
- Average charging current values of the battery and log of consumption data
- Error messages related to over-current battery issues
- Verification of battery charge status

FLEXIBLE BECAUSE IT IS OPEN!

- It is possible to connect to the control unit up to 3 solar panels
- Batteries of varying capacities (7-50Ah) can also be used

LOW ENERGY USE = MORE MANEUVERS!

- The system is controlled via the SUNNY central command device
- SUNNY keeps the automation's control unit deactivated and enables the power supply only after it receives a signal or command over the wire to do so
- Thanks to the card's low energy consumption levels in stand-by mode, the system is able to ensure a number of maneuvers also in hours of the day or periods with less-than-ideal solar radiation conditions



DA.BT18

18 Ah 12 Vdc Battery.



SUN.PANEL

High-performance monocrystalline silicon solar panel (30W).



COL.KSUN

Column for battery housing DA.BT18 and control unit SUNNY, equipped with removable battery tray. H=650x323x230 mm.



COL.BR

Pair of clamps for fixing solar panel to column COL.KSUN.



KSUN

KIT for system operation via solar panel, made up of photovoltaic panel (30W) in monocrystalline silicone and with high efficiency, and a control unit (SUNNY) complete with display and built-in radio receiver. The receiver is capable of managing three types of encoding: Advanced Rolling Code (ARC), Rolling Code, and Programmable Code.

SUNNY

Control unit complete with display, 3 code radio receiver: Advanced Rolling Code (ARC), Rolling Code, and Programmable Code. You can connect up to three solar panels to the control unit.

CHART REGARDING AVERAGE SOLAR RADIATION DISTRIBUTION

average number of daily manoeuvres with KBOB24 / KBULL624* 133 114 95 76 57 37 18

average number of daily manoeuvres with KBULL424* 191 163 136 108 81 54 26

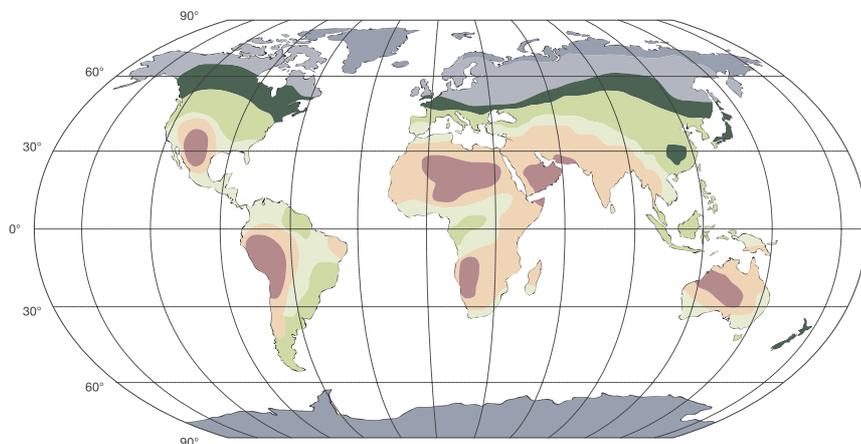
* Refer back to the manual for more precise values
The above data refer to some of the configurations possible with SUN SYSTEM

Hemisphere Panel orientation



Latitude Angle of inclination α

0° - 15°	15°
15° - 25°	The value is the same as that of the latitude
25° - 30°	Add 5° to the latitude value
30° - 35°	Add 10° to the latitude value
35° - 40°	Add 15° to the latitude value
> 40°	Add 20° to the latitude value



CONTROL UNIT TECHNICAL DATA	SUNNY
Photovoltaic panel type	Vmp: 15 ÷ 40V (load voltage) Wp: 15 ÷ 80 W (maximum power)
Power supply output	24 Vdc
Protection level	IP55
Operational temperature	-20°C / +50°C
Radio receiver	built-in and configurable (Advanced Rolling Code (ARC) + Rolling Code + Programmable Code)
No. of codes that can be saved	64

SOLAR PANEL TECHNICAL DATA	SUN.PANEL
Voltage with open circuit (Voc)	21.5
Voltage at maximum power (Vmp)	17.5
Short circuit current Isc (A)	1.88
Current at maximum power Imp (A)	1.7
Peak power Wp +/- 5%	30



BRAINY



APPLICATION

1 or 2 actuators for swing gates, opposed sliding gates, hydraulic operators, and industrial folding doors

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 600 W + 600 W

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Separate limit switch inputs for each motor | Open, close, pedestrian, step by step and stop inputs | Separate photocell inputs in opening-closing and in closing phases | Input for N.C or 8K2 sensitive edge | Output for electric lock 230 VAC and 12 VAC/DC | Outputs for configuration as gate open indicator, service light, second radio channel and photocell testing | Output for connecting flashing light | Autosetting of operating parameters (with motors equipped with encoder) | Separate electronic torque adjustment for each motor and operating times | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990

Covering plate for DU.V90.



E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



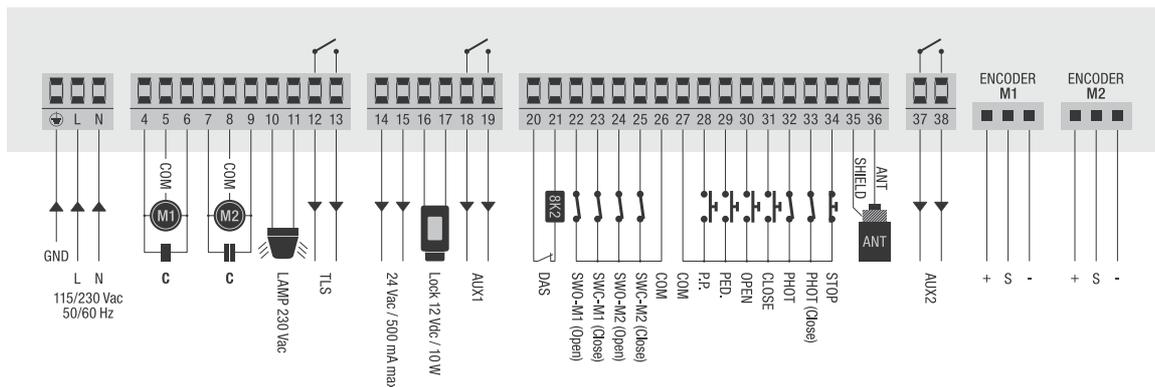
E.LOCKSE

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



BRAINY.P

BRAINY control units with open, close, stop buttons incorporated in the control unit.





HEADY



APPLICATION

1 or 2 actuators for swing gates

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 500 W + 500 W

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, and semi-automatic logic | Step by step, pedestrian and stop inputs | Separate photocell inputs in opening-closing and in closing phases | Output for electric lock 230 VAC/service light | Output for connecting flashing light | Output as gate open indicator, second radio channel and photocell testing | Separate electronic torque adjustment for each motor and operating times | Fixed slow-downs | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



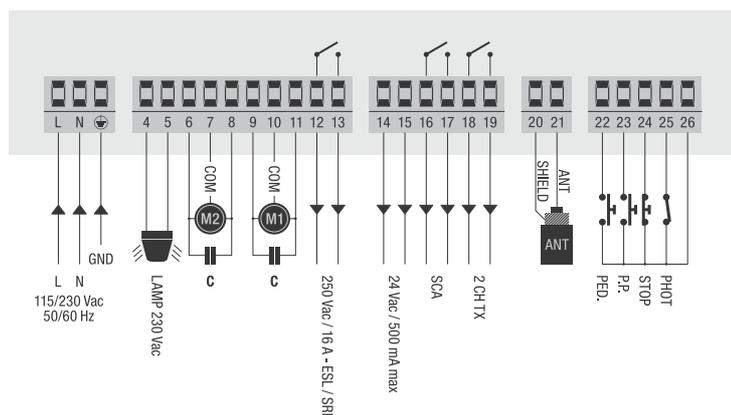
E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.





CORE



APPLICATION

1 actuator for sliding or 1 swing gate

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 750 W

MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder (MAG.E) input for detecting obstacles | Motor limit switch inputs | Step by step, stop and photocell inputs | Step by step input configurable as open | Stop input configurable as close or pedestrian | Photocell input programmable as active in opening-closing and in closing phases | Output as gate open indicator | Output for connecting flashing light | Autosetting of operation and slow-down parameters | Adjustable slow-downs | Electronic torque adjustment for motor on 5 levels | Possibility to manage radio transmitters memorised on integrated receiver with Advantouch system



E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



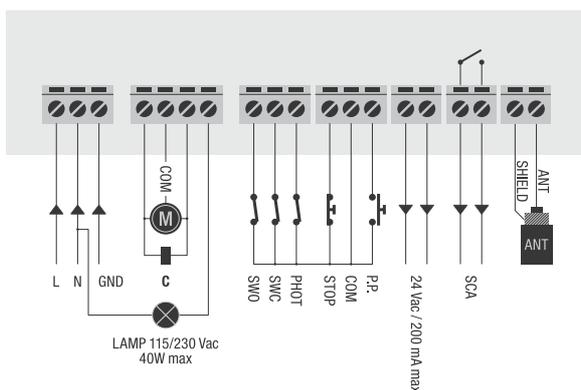
E.LOCKSE

Extended cylinder for E.LOCK electric lock. It allows unlocking gates up to 55mm-thick from the outside.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





MATRIX



APPLICATION

1 actuator for sliding gate or 1 swing gate

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1000 W

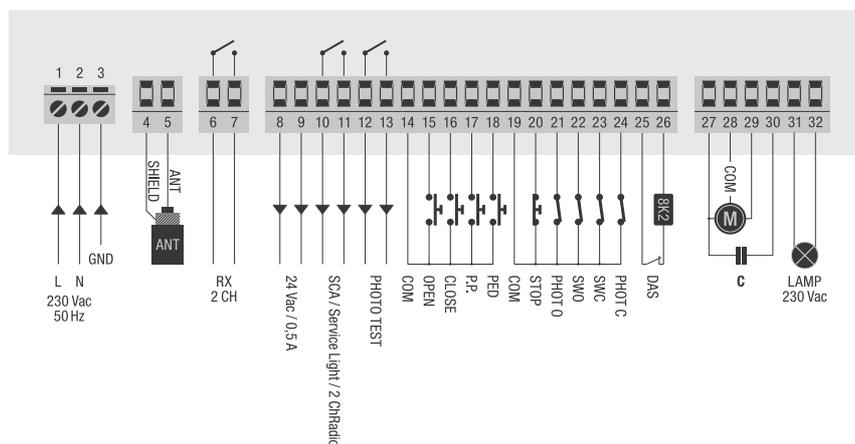
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Input for N.C or 8K2 sensitive edge | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Outputs for configuration as gate open indicator, service light, or second radio channel | Photocell testing output | Output for connecting flashing light | Autosetting of operating parameters (with motors equipped with encoder) | Electronic torque adjustment | Adjustable slow-downs | Electronic braking guarantees a precise stop even with heavy doors | Advantouch system to configure parameters and manage radio transmitters | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





LOGICA



APPLICATION

1 or 2 actuators for tilt up doors

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 300 W + 300 W

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with ARC | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Separate opening and closing limit switches inputs for each motor | Separate limit switch inputs for each motor | Close, step by step and stop inputs | Input for N.C or 8K2 sensitive edge | Photocell input programmable as active in opening-closing or in closing phases | Output configurable as open gate indicator, second radio channel or photocell testing output | Output for flashing light connection | Output for 24 VDC service light | Autosetting of operating parameters (with ZED series motors equipped with encoder) | Electromechanical torque adjustment on 4 levels | Autosetting of operation and slow-down parameters | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



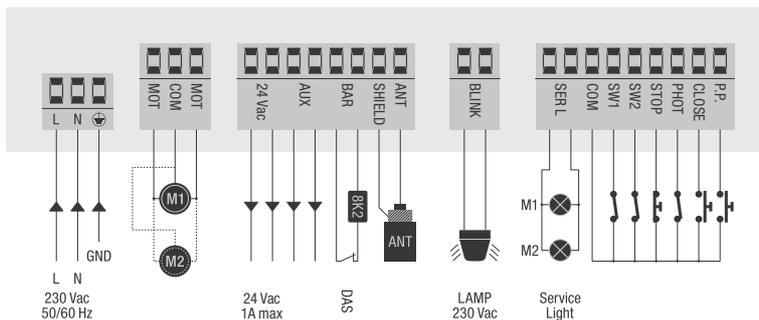
KPO

Set of 2 green push buttons (N.O.) and front cover for Box LB.



KPC

Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.





CELL.P



APPLICATION

1 actuator for industrial sliding doors, folding doors with more than two sections and shutters

CONTROL UNIT POWER SUPPLY

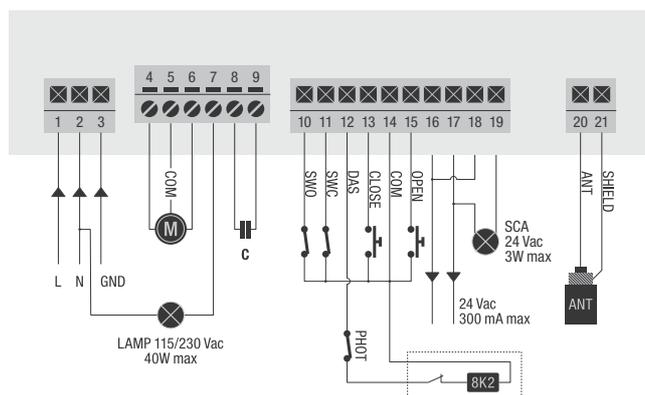
230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1000 W

MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Input for N.C or 8K2 sensitive edge or photocell | Inputs for buttons to open, programmable as step by step, and close | Output for gate open indicator | Output for connecting flashing light | Electronic torque adjustment for motor on 5 levels | Possibility to manage radio transmitters memorised on integrated receiver with Advantouch system





THINKY



APPLICATION

1 actuator for sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding gates

CONTROL UNIT POWER SUPPLY

230 Vac single-phase or 400 Vac three-phase

MOTORS POWER SUPPLY

230 Vac / 800W or 400 Vac / 2200W

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with ARC and predesigned for plug-in radio receiver | Autosetting of operating parameters with motors equipped with absolute encoder (VN "ESW" motors) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Open, close, step by step, pedestrian and stop inputs | Inputs for 4 pairs of photocells (configurable as active in opening-closing or in closing phases) and equipped with PHOTO TEST logic | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Output configurable as gate open indicator, second radio channel, service light and area light | Output configurable as gate open indicator or photocell testing output | Output for connecting flashing light | Protection against phase failure and exceeding motor current threshold | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



XLB.L

Flashing light with 24 VDC power supply. Option of mounting in the XLB box or externally. Intermittent or fixed signal lighting can be selected. Requires antenna.



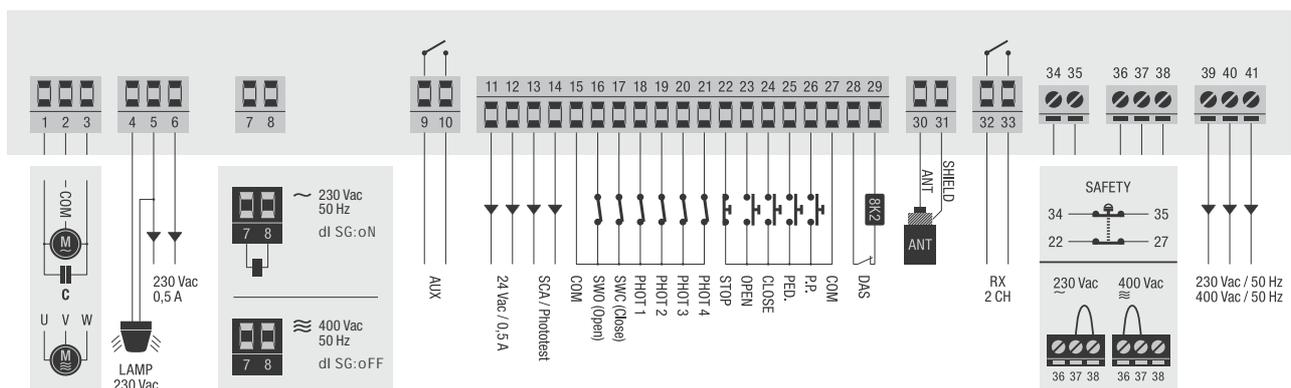
THINKY.P

THINKY control units with open, close, stop buttons incorporated in the control unit.



THINKY.I

THINKY control unit with self-holding open, close and stop buttons and tri-pole switch with door lock incorporated into the control unit. Flashing light available as accessory (XLB.L)





START

APPLICATION

1 actuator for sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding gates

CONTROL UNIT POWER SUPPLY

230 Vac single-phase or 400 Vac three-phase

MOTORS POWER SUPPLY

230 Vac / 900 W or 400 Vac / 2200 W

MAIN FUNCTIONS

Only deadman's logic operation | Fixed terminal boards | Motor limit switch inputs | Open, close and stop inputs | Open and close buttons integrated into the control unit | Output for connecting flashing light and auxiliary condenser for starting the motor



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



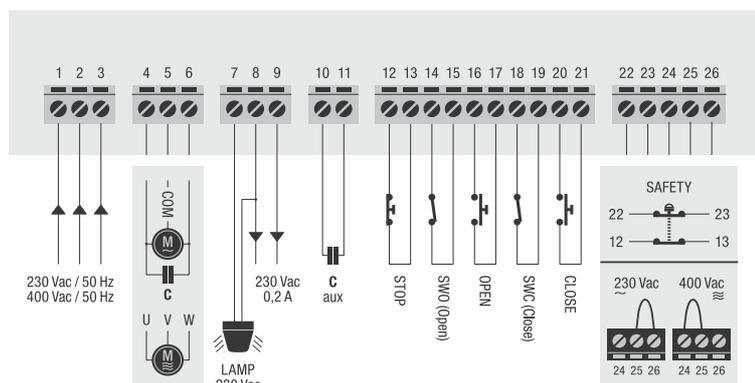
XLB.L

Flashing light with 24 VDC power supply. Option of mounting in the XLB box or externally. Intermittent or fixed signal lighting can be selected. Requires antenna.



START.I

START control unit with self-holding open, close and stop buttons and tri-pole switch with door lock incorporated into the control unit. Flashing light available as accessory (XLB.L)





BRAINY24^{PLUS}



APPLICATION

1 or 2 actuators for swing gates, opposed sliding gates, and industrial folding doors with a maximum of 2 sections

CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

MOTORS POWER SUPPLY

24 Vdc / 240 W + 240 W

MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz
64 codes and 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code | Removable terminal boards | Separate limit switch inputs for each motor | Open, close, step-by-step and pedestrian inputs | Separate opening-closing and closing photocell inputs | Stop input | Input for N.C. or 8K2 sensitive edge | Encoder Input for 24 Vdc hydraulic motors | Output for 12 Vdc electric lock | 2 outputs configurable as open gate indicator, second radio channel, courtesy light, zone light or photocell testing, flashing light, open gate alarm, NC input alarm | Output for connecting flashing light | Autoset of operating parameters | Separate electronic torque adjustment for each motor | Separate electronic speed adjustment for each motor | Anti-crushing safety through amperometric detection and encoder management | Separate slowdowns for each motor in opening and closing phases | Set up for connection to KNX systems via X.BE card (optional) | Designed for managing, configuring, diagnosing and updating firmware through the BeUP app, using the PRO. UP accessory | Advantouch system to configure parameters and manage radio transmitters | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger



DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990

Covering plate for DU.V90.



BRAINY24.CB-SW

Accessory equipped with 1.2 Ah batteries and support bracket.



DA.BT2

2.1 Ah 12 Vdc Battery.

DA.BT6

7 Ah 12 Vdc Battery.



XLB.CB

Battery box fitted with universal bracket and cables. IP54.



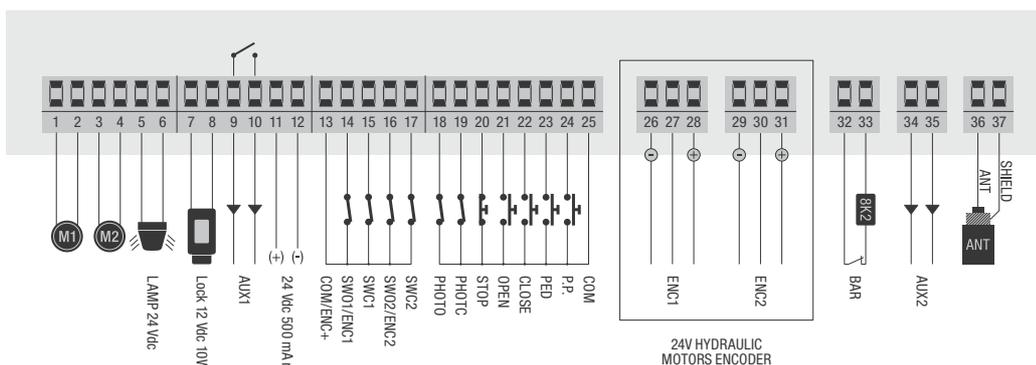
X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



PRO.UP

Interface for remote programming and diagnostics.





BRAINY24



APPLICATION

1 or 2 actuators for swing gates, opposed sliding gates, and industrial folding doors with a maximum of 2 sections

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 120 W + 120 W

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Separate limit switch inputs for each motor | Open, close, and pedestrian inputs | Photocell inputs in opening-closing and in closing phases | Input for N.C. or 8K2 sensitive edge | Output for electric lock 12 VDC | Output for configuration as gate open indicator, service light, second radio channel and photocell testing | Output for connecting flashing light | Autosetting of operating parameters | Separate electronic torque adjustment for each motor | Anti-crushing safety through amperometric detection and encoder management | Separate adjustable slowdowns for each motor in opening and closing phases | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DU.V96
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



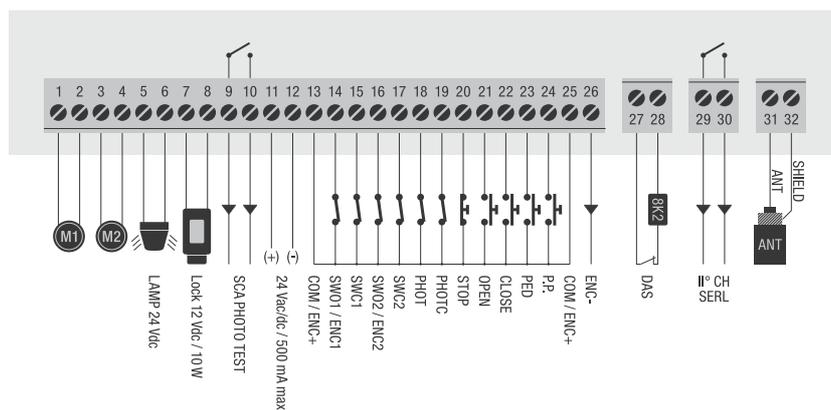
DU.9990
Covering plate for DU.V90.



BRAINY24.CB
Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.



BRAINY24.P
BRAINY24 control units with open, close, stop buttons incorporated in the control unit.





TRUST24



APPLICATION

1 or 2 actuators for swing gates

CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 130 W + 130 W

POWER CONSUMPTION IN STAND-BY

0.8 W

MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz
512 codes with ARC coding | Removable terminal boards |
Separate limit switch inputs for each motor | Automatic, semi-automatic and Deadman logic | Separate encoder inputs for each motor | Open, close, step-by-step and pedestrian inputs | Input for programmable photocell active in opening-closing and photocell active only in closing | Input for N.C. or 8k2 sensitive edge | Output for electric lock 12/24 Vdc | Two outputs configurable as open gate signal light, courtesy light, zone light, second radio channel, photocell testing, flashing light, alarm contact | Autoset operating parameters | Separate electronic torque adjustment for each motor | Anti-crushing safety through amperometric detection and encoder management | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate adjustable slowdowns for each motor | Possibility of encoder- or time-based operation (managed through virtual encoder) even independently between the two motors | Built-in energy saving system ESA+ | Set up for connection to KNX systems via X.BE card (optional) | Designed for managing, configuring, diagnosing and updating firmware through the BeUP app, using the PRO.UP accessory | Advantouch system to configure parameters and manage radio transmitters | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger



DA.BT2

2.1 Ah 12 Vdc Battery.

DA.BT6

7 Ah 12 Vdc Battery.



XLB.CB

Battery box fitted with universal bracket and cables. IP54.



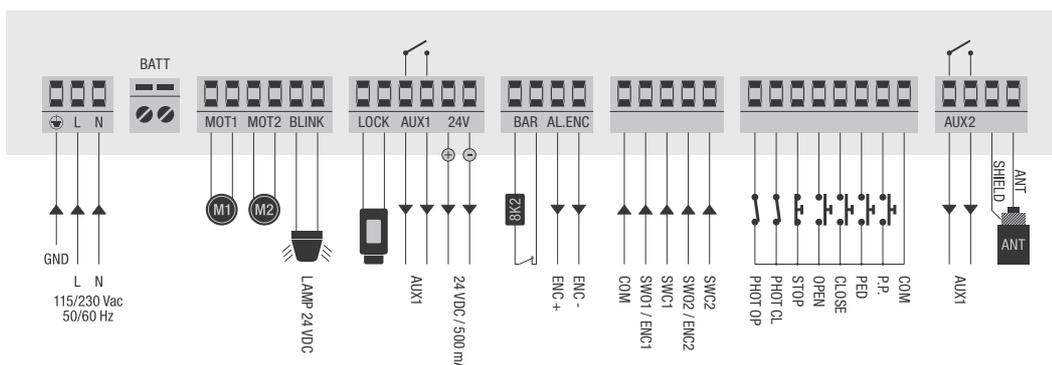
X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



PRO.UP

Interface for remote programming and diagnostics.





TILTY24



APPLICATION

1 or 2 actuators for tilt up doors

CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 130 W + 130 W

POWER CONSUMPTION IN STAND-BY

0.8 W

MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz
 64 codes with ARC coding | Removable terminal boards |
 Automatic, semi-automatic and Deadman logic | Encoder input |
 Step-by-step and stop inputs | Photocell input settable as input
 for N.C. or 8K2 sensitive edge | Two inputs configurable as open,
 close, photocell in opening-closing, photocell in closing, opening
 and closing limit switch for the second motor | Limit switch
 input | Separate power supply output for each motor | Output
 for 24 Vdc flashing light | 24 Vdc auxiliary output max 500mA
 | Output (230Vac 5A max) configurable as open gate signal
 light, courtesy light, zone light, second radio channel, photocell
 testing, flashing light, open gate alarm, NC input alarm | 24 Vdc
 service light output | Autoset operating parameters | Electronic
 torque adjustment | Separate electronic adjustments of opening
 and closing speeds | Anti-crushing safety through amperometric
 detection and encoder management | Electronic torque
 adjustment with automatic calculation for each point of the stroke
 (STC SYSTEM | Adjustable slowdowns in opening and closing
 | Built-in energy saving system ESA+ | Set up for connection to
 KNX systems via X.BE card (optional) | Designed for managing,
 configuring, diagnosing and updating firmware through the
 BeUP app, using the PRO.UP accessory | Advantouch system to
 configure parameters and manage radio transmitters |
 Number of manoeuvres | Programming access password |
 Maintenance warning | Built-in battery charger,
 compatible with 2 batteries 12V 1.2Ah



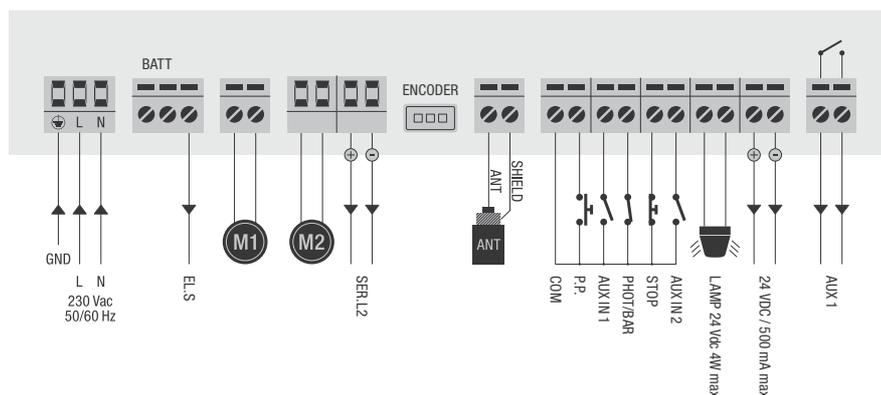
BRAINY24.CB-SW
 Accessory equipped with 1.2 Ah batteries and support bracket.



X.BE
 Electronic interface board between the KNX communication system and Benincà automation devices.



PRO.UP
 Interface for remote programming and diagnostics.





LOGICA24



APPLICATION

1 or 2 actuators for tilt up doors

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 80 W + 80 W

MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with ARC coding | Removable terminal boards | Automatic and semi-automatic logic | Motor limit switch inputs | Inputs for open, close, stop, step by step and photocell | N.C or 8K2 sensitive edge input | Open gate indicator output | 24 Vac/dc courtesy light output | Output for connecting flashing light | Electronic torque adjustment | Anti-crushing system with amperometric detection | Fixed slow-downs | Advantouch system to manage radio transmitters memorised on integrated receiver



KPO

Set of 2 green push buttons (N.O.) and front cover for Box LB.



KPC

Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.



CBY.24V

Battery charger card. The CBY.24V card allows charging two different types of nickel metalhydrate and lead batteries.



DA.BT2

2.1 Ah 12 Vdc Battery.

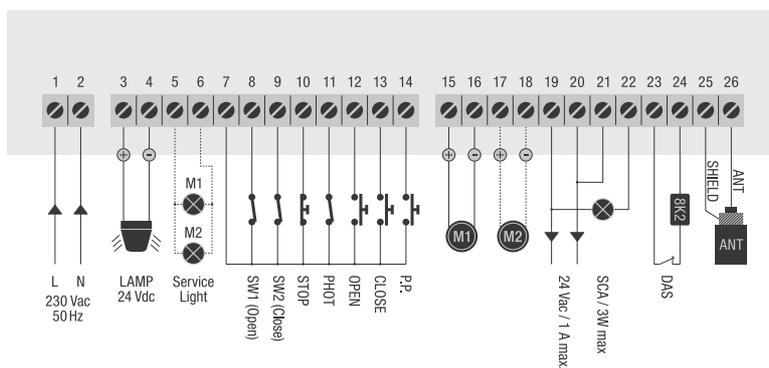
DA.BT6

7 Ah 12 Vdc Battery.



XLB.CB

Battery box fitted with universal bracket and cables. IP54.





DA.S04 + DA.E

APPLICATION

from 1 to 4 parking space barrier VE.SOR

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 20 W

DA.S04 | MAIN FUNCTIONS

Pre-designed for plug-in radio receiver | Pre-designed for DA.RB battery charger | Fixed terminal boards | Auxiliary output 24 VDC max 1 A | Pre-designed for quick connection of max 4 DA.E command modules | Antenna input

DA.E | MAIN FUNCTIONS

Step by step input | Semi-automatic operation logic | Electronic torque regulation with trimmer | Fixed terminal boards



DA.RB

Battery charger card for DA.S04.

DA.BT2

2.1 Ah 12 Vdc Battery.

DA.BT6

7 Ah 12 Vdc Battery.

XLB.CB

Battery box fitted with universal bracket and cables. IP54.

ONE.2WI

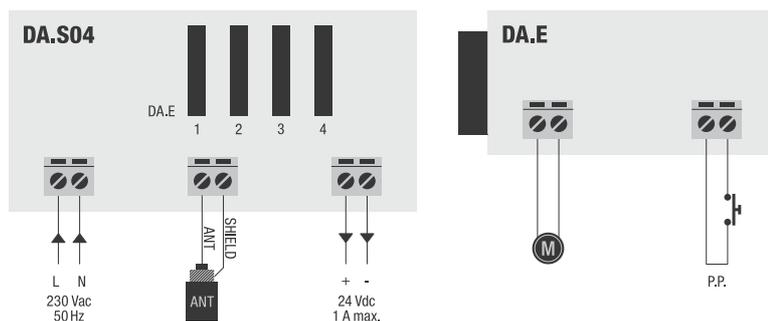
433.92 MHz receiver with power supply 12±28 VDC / 21±28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.

ONE.4WB

4-channel receiver with wide range power supply (115-230 Vac/dc) and triple coding: Advanced Rolling Code, Rolling Code and Fixed code. 512 memorisable codes.



DA.E





COMPARISON TABLE

EXTERNAL CONTROL UNITS

CONTROL UNITS FEATURES	BRAINY	HEADY	CORE	MATRIX	LOGICA	CELL.P	THINKY	START	BRAINY2 ^{plus}	BRAINY24	TRUST24	TILTY24	LOGICA24	DA.S04 + DA.E
motors power supply 24 Vdc									•	•	•	•	•	•
motors power supply 24 Vdc BRUSHLESS 3PH														
motors power supply 230 Vac	•	•	•	•	•	•	•	•						
motors power supply 400 Vac							•	•						
INPUTS														
step by step input	•	•	•	•	•	*	•		•	•	•	•	•	•
open input	•	*	*	•	*	•	•	•	•	•	•	•	•	•
close input	•	*	*	•	•	•	•	•	•	•	•	•	•	•
pedestrian opening input	•	•	*	•			•		•	•	•			
photocell input in opening phase	•	*	*	•	*		•		•	•	•	*		
photocell input in closing phase	•	•	•	•	•	•	•		•	•	•	•	•	•
stop input	•	•	•	•	•		•	•	•	•	•	•	•	•
conductive safety input	•			•	•	•	•		•	•	•	*	•	
limit switch input open/close for motor 1	•		•	•	•	•	•	•	•	•	•	•	•	•
limit switch input open/close for motor 2	•								•	•	•	*		
input for safety sensor							•	•						
OUTPUTS														
motor 1 output	•	•	•	•	•	•	•	•	•	•	•	•	•	•
motor 2 output	•	•			•				•	•	•	•	•	•
flashing light output	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12 Vac electric lock output	•								•	•	•			
auxiliary output for optional electric-lock card		•										•		
24 Vac/dc accessory power supply output	•	•	•	•	•	•	•	•	•	•	•	•	•	•
gate open indicator	•	•	•	•	•	•	•	•	•	•	•	*	•	
photocell power supply output with phototes	*	*		•	*		*		*	*	*	*		
2nd radio channel output	•	•		*	*		•		•	*	•	•		
courtesy light and/or zone light output	•	•		*	•		•		*	•	*	*	•	
TCA alarm output / n.c. inputs	*								*		*	*		
ADJUSTMENTS														
self adjustment of working parameters	•		•	•	•		•		•	•	•	•		
OTHER CHARACTERISTICS														
adjustments via trimmer and dip-switch			•			•								•
adjustments via integrated display	•	•		•	•		•		•	•	•	•		
diagnostic LEDS			•			•		•					•	
input diagnostics via integrated display	•	•		•	•		•		•	•	•	•		
433.92 MHz receiver only with ARC coding					•		•				•	•	•	
number of transmitters that can be memorised	64	64	64	64	64	64	64	0	64	64	512	64	64	0
encoder management	•		•	•	•		•		•	•	•	•		
virtual encoder management									•		•			
inverter management														
pro.UP and KNX interface management									•		•	•		
automatic deactivation of accessories in stand-by mode											•	•		
built-in ESA+											•	•		
prepared for backup battery										•			•	•
built-in battery charger									•		•	•		



CP.CORE



APPLICATION

1 actuator of the series BULL6M for sliding gates

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 750 W

MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with ARC coding | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder (MAG.E) output for detecting obstacles | Motor limit switch inputs | Step by step, pedestrian and stop inputs | Step by step input configurable as open | Stop input configurable as close or pedestrian | Photocell input programmable as active in opening-closing and in closing phases | Output as gate open indicator | Output for connecting flashing light | Autosetting of operation and slow-down parameters | Adjustable slow-downs | Electronic torque adjustment for motor on 5 levels | Possibility to manage radio transmitters memorised on integrated receiver with Advantouch system



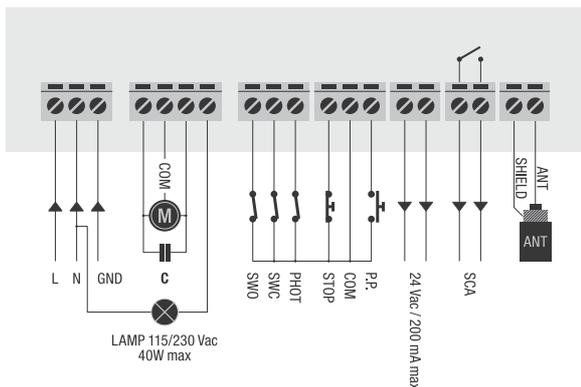
DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).



MAG.E

Magnetic sensor device to detect obstacles and manage deceleration.





CP.BULL8-OM



APPLICATION

1 actuator for sliding gates, series BULL8M and BULL8 OM

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 750 W

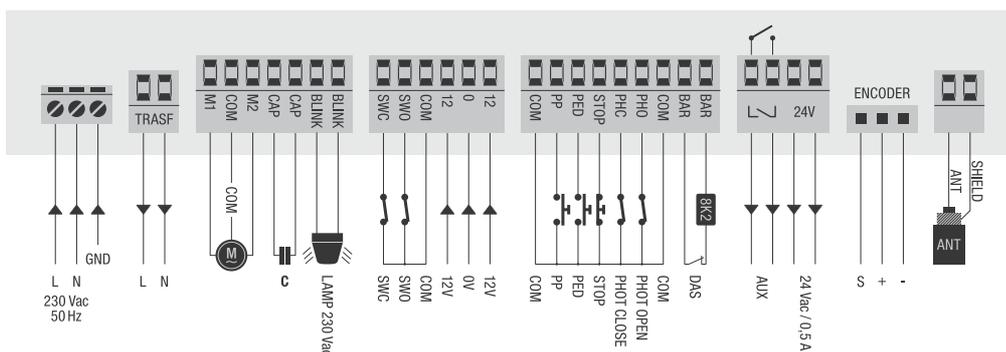
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Step-by-step input configurable as open, pedestrian input configurable as close, stop input | Pedestrian, step by step and stop inputs | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Output for gate open indicator, service light, second radio channel and photocell testing | Output for connecting flashing light | Autotesting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.BULL-RI



APPLICATION

1 actuator for sliding gates, series BULL10M, BULL15M and BULL20M

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1000 W

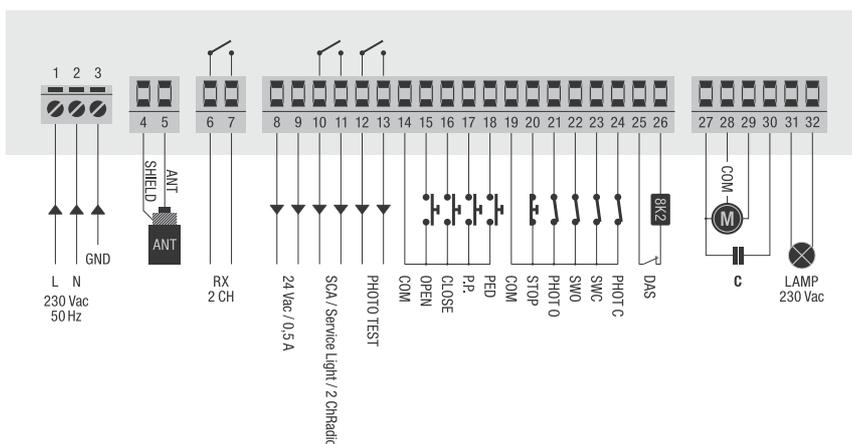
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Output for configuration as gate open indicator, service light, or second radio channel | Photocell testing output | Output for connecting flashing light | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.BULL-REV



APPLICATION

1 actuator for sliding gates, series BULL HE

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1000 W

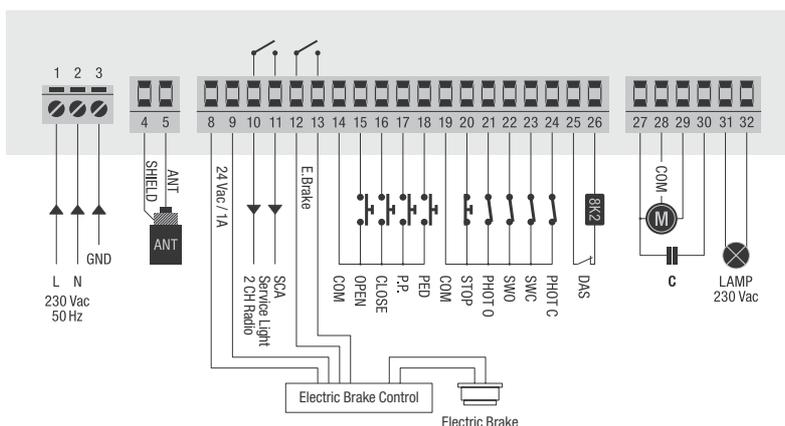
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-codes radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Output for configuration as gate open indicator, second radio channel or courtesy light | Output for connecting the flashing light | Photocell testing output | Autoset of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Advantouch system to configure parameters and manage radio transmitters | Number of manoeuvres | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.BULL20-HE



APPLICATION

1 actuator for sliding gates, series BULL20 HE

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1000 W

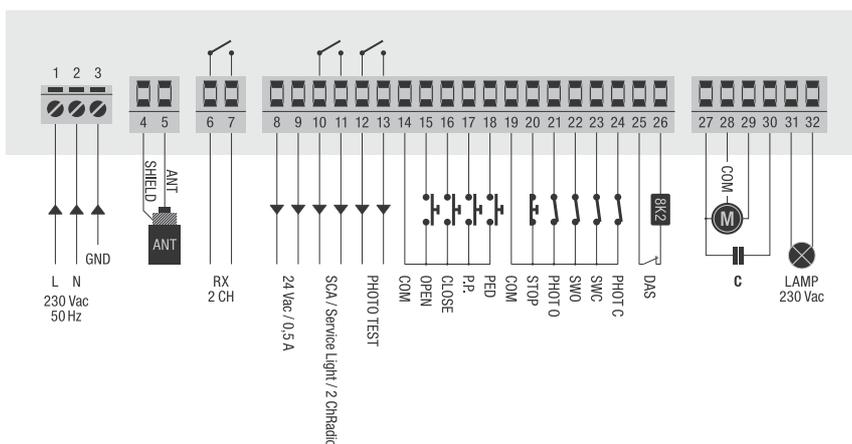
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Photocell input (PHOT O) programmable as active in opening-closing and in closing phases | Photocell input (PHOT C) programmable as active in opening-closing phases | Input for N.C or 8K2 sensitive edge | Output for configuration as gate open indicator, service light, or second radio channel | Photocell testing output | Output for connecting flashing light | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.BULL OMI



APPLICATION

1 actuator for sliding gates, series BULL17 OMI

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1000 W

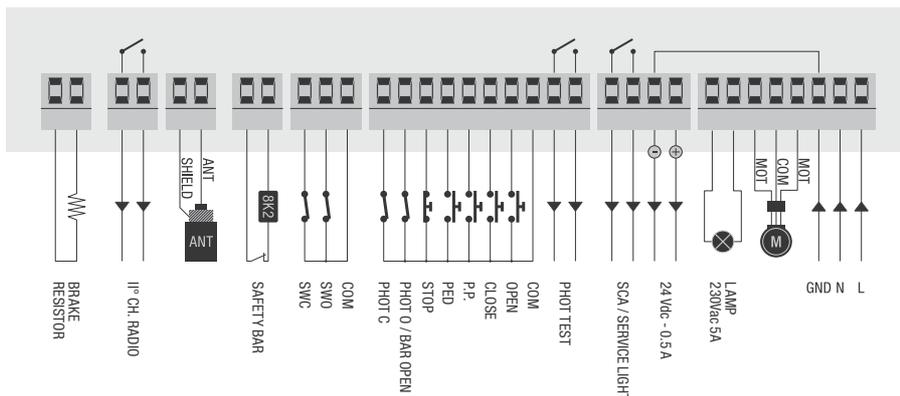
MAIN FUNCTIONS

Integrated LCD display | ONE2.WI model 433.92 MHz radio receiver provided as standard equipment | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Step by step, open, close, pedestrian and stop inputs | no. 2 photocell inputs configurable as active in opening-closing or in closing phases | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Output configurable as gate open indicator, service light, area light | Photocell testing output | Output for connecting flashing light | Second radio channel output | Autosetting of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Integrated inverter | Virtual encoder | Number of maneuvers | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.BISON OTI



APPLICATION

1 actuator for sliding gates, series BISON25 OTI, BISON35 OTI and BISON45 OTI

CONTROL UNIT POWER SUPPLY

230 Vac single-phase or 400 Vac three-phase

MOTORS POWER SUPPLY

220 Vac / 750 W three phase with inverter or 380 Vac / 1500 W three phase with inverter

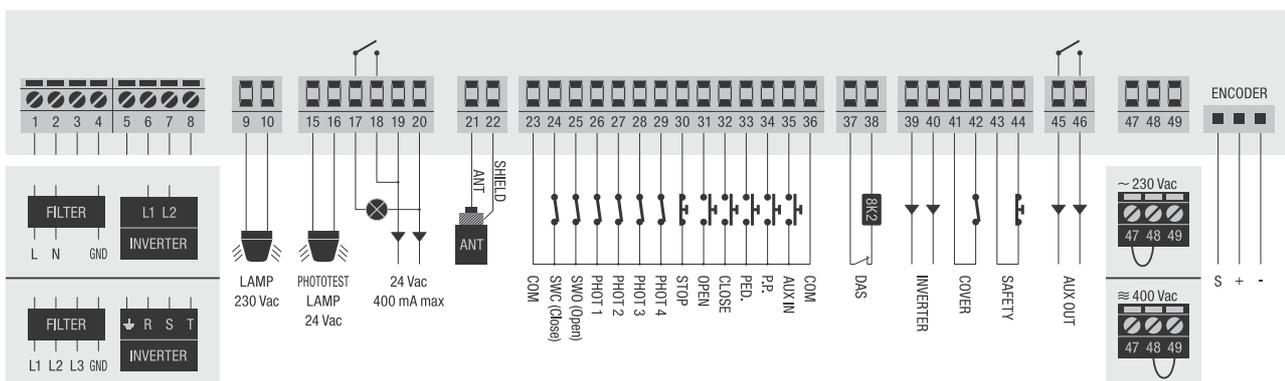
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Inputs for 4 pairs of photocells (programmable as active in opening-closing and in closing phases) and equipped with PHOTO TEST logic | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Predesigned for inverter connection | Output for gate open indicator | Output configurable for service light, area light or second radio channel | Photocell testing output | Output for connecting flashing light | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.BISON OTI L



APPLICATION

1 actuator for sliding gates, series BISON35 OTI L

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 750 W three phase with inverter

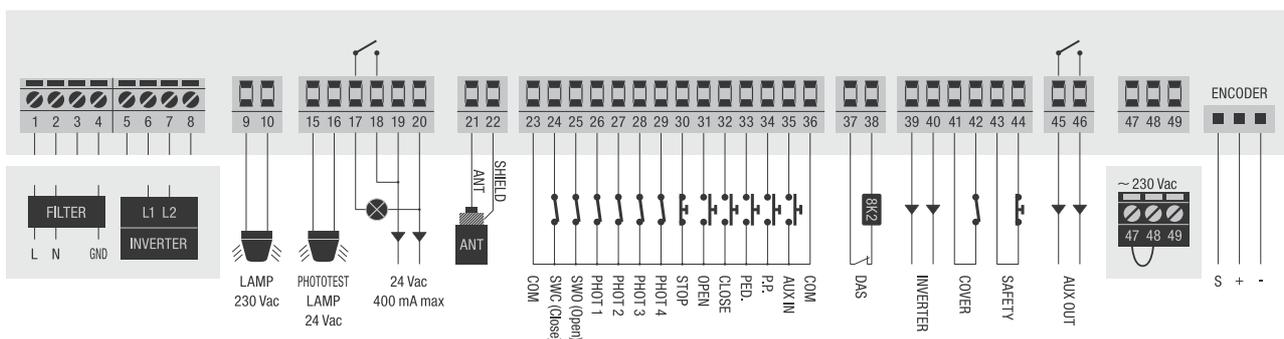
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Motor limit switch inputs | Open, close, pedestrian, step by step and stop inputs | Inputs for 4 pairs of photocells (programmable as active in opening-closing and in closing phases) and equipped with PHOTO TEST logic | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Predesigned for inverter connection | Output for gate open indicator | Output configurable for service light, area light or second radio channel | Photocell testing output | Output for connecting flashing light | Autosetting of operating parameters | Electronic motor torque adjustment | Adjustable slow-down systems | Electronic braking guarantees a precise stop even with heavy doors | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.YAK OTI



APPLICATION

1 actuator for sliding gates, series YAK25 OTI

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1000 W three phase

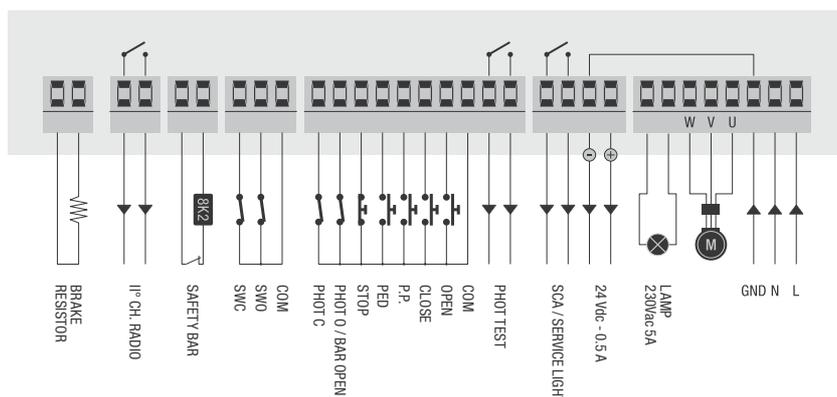
MAIN FUNCTIONS

Integrated LCD display | ONE2.WB model 433.92 MHz radio receiver provided as standard equipment | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Step by step, open, close, pedestrian and stop inputs | no. 2 photocell inputs configurable as active in opening-closing or in closing phases | Input for N.C or 8K2 sensitive edge | Input for safety sensor | Output configurable as gate open indicator, service light or area light | Photocell testing output | Second radio channel output | Output for connecting flashing light | Autosetting of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Integrated inverter | Virtual encoder | Number of maneuvers | Programming access password | Maintenance warning



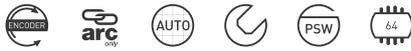
DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates).





CP.ZED-AUTR



APPLICATION

1 or 2 actuators series ZED.RIE, ZED.LRIE

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 300 W + 300 W

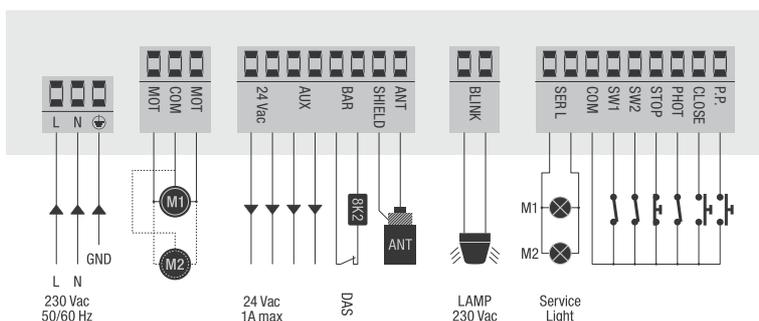
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with ARC | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Encoder input to detect obstacles | Separate opening and closing limit switches inputs for each motor | Close, step by step and stop inputs | Input for N.C or 8K2 sensitive edge | Photocell input programmable as active in opening-closing or in closing phases | Outputs for 24 VDC service light | Autosetting of operating parameters (with ZED series motors equipped with encoder) | Electromechanical torque adjustment on 4 levels | Autosetting of operation and slow-down parameters | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



MAG.E

Magnetic sensor device to detect obstacles and manage deceleration.





UP.VN

APPLICATION

1 actuator for industrial doors,
series VN.M20 UP, VN.M40 UP, VN.S20 UP, VN.S40 UP

CONTROL UNIT POWER SUPPLY

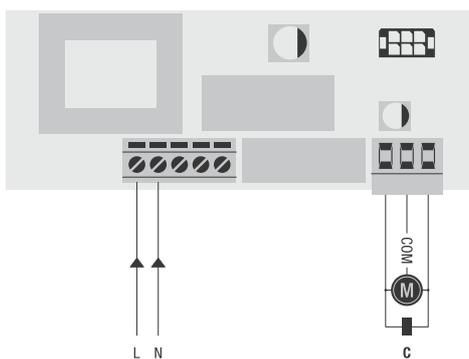
230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

230 Vac / 1500 W max

MAIN FUNCTIONS

Deadaman's operating logic | Removable terminal boards |
Separate inputs for OPEN and CLOSE commands in very low
safety voltage 12 VDC | Inputs diagnostics through LED





CP.SAM



APPLICATION

2 actuators for SAM series swing gates

CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 5.5 A + 5.5 A

POWER CONSUMPTION IN STAND-BY

0.8 W

MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz
 512 codes with ARC coding | Removable terminal boards |
 Automatic, semi-automatic and Deadman logic | Separate
 encoder inputs for each motor | Open, close, step-by-step
 and pedestrian inputs | Input for active photocell in opening-
 closing and active photocell only in closing | Input for N.C.
 or 8K2 sensitive edge | Output for electric lock 12/24 Vdc |
 Two outputs configurable as open gate signal light, courtesy
 or zone light, second radio channel, photocell testing, flashing
 light, alarm contact | Autoset of operating parameters | Separate
 electronic torque adjustment for each motor | Anti-crushing safety
 through amperometric detection and encoder management
 | Electronic torque adjustment with automatic calculation for
 each point of the stroke (STC SYSTEM) | Separate adjustable
 slowdowns for each motor | Possibility of encoder- or time-based
 operation (managed through virtual encoder) even independently
 between the two motors | Built-in energy saving system ESA+ |
 Set up for connection to KNX systems via X.BE card (optional)
 | Designed for managing, configuring, diagnosing and updating
 firmware through the BeUP app, using the PRO.UP accessory |
 Advantouch system to configure parameters and manage radio
 transmitters | Number of manoeuvres | Programming access
 password | Maintenance warning | Built-in battery charger,
 compatible with 2 batteries 12V 1.2Ah



SAM.BAT

1.2 Ah battery
 kit with bracket
 and cable.



SAM.CB

Kit composed of
 cables and
 brackets for
 batteries
 installation.

Pack of 5 pcs.



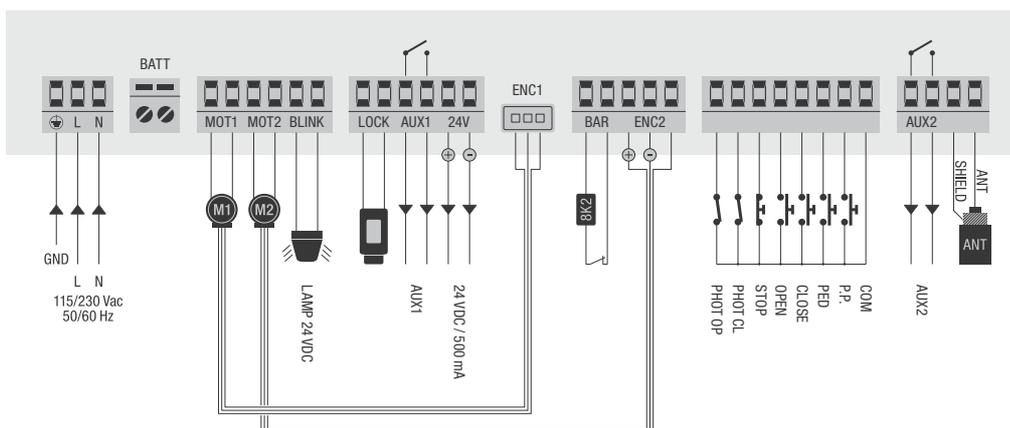
X.BE

Electronic
 interface board
 between the KNX
 communication
 system and
 Benincà
 automation
 devices.



PRO.UP

Interface
 for remote
 programming
 and diagnostics.





CP.BN



APPLICATION

2 actuators for BEN series swing gates

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 2.5 A + 2.5 A

MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz
 512 codes with ARC coding | Removable terminal boards | Automatic and semi-automatic logic | Pedestrian, step by step and stop inputs | Separate photocell inputs in opening-closing and in closing phases | Step by step input can be configured as open | Pedestrian input can be configured as close | Output configurable as gate open indicator, service light or second radio channel | Output for connecting flashing light | Autosetting of operating parameters | Separate electronic torque adjustment for each motor | Anti-crushing safety thanks to amperometric detection | Separate adjustable slow-downs for each motor | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers



DU.V96
 12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90
 12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



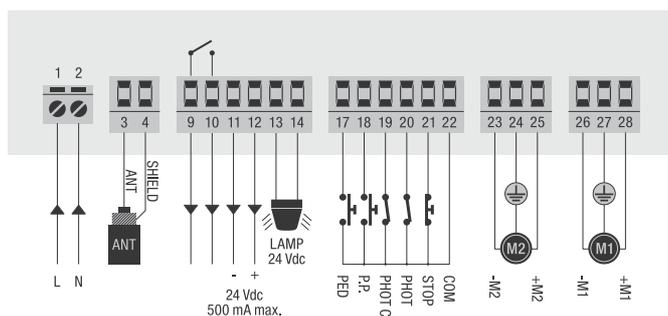
DU.9990
 Covering plate for DU.V90.



L.BY
 Control board for electric lock 12/24 Vdc.



BN.CB
 Accessory with BN.24V battery charger, 1.2 Ah batteries and support bracket.





CP.MBY24



APPLICATION

1 or 2 actuators for MBE24 series swing gates

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 5 A + 5 A

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Separate limit switch inputs for each motor | Pedestrian, step by step, open, close and stop inputs | Separate photocell inputs in opening-closing and photocell active in closing phases | Input for N.C or 8K2 sensitive edge | Output for electric lock 12 VDC | Output for configuration as gate open indicator or photocell testing | Output for connecting flashing light | Output configurable as second radio channel or service light | Autosetting of operating parameters | Separate electronic torque adjustment for each motor | Anti-crushing safety thanks to amperometric detection | Separate adjustable slow-downs for each motor | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



DU.V96

12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



DU.V90

12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.



DU.9990

Covering plate for DU.V90.



CBY.24V

Battery charger card. The CBY.24V card allows charging two different types of nickel metalhydrate and lead batteries.



DA.BT2

2.1 Ah 12 Vdc Battery.

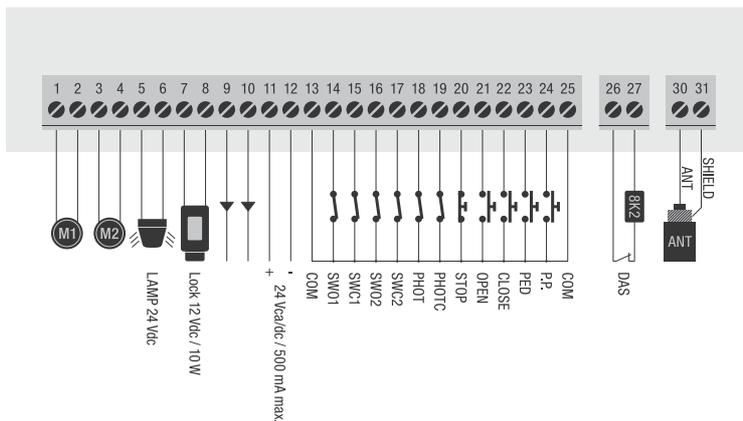
DA.BT6

7 Ah 12 Vdc Battery.



XLB.CB

Battery box fitted with universal bracket and cables. IP54.





CP.B24-SW



Functions available with BeUP

APPLICATION

1 actuator for sliding gates, series BULL424SW e BULL624SW

CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

MOTORS POWER SUPPLY

24 Vdc / 8 A

POWER CONSUMPTION IN STAND-BY

0.8 W

MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers, dip-switches and buttons | Integrated 433.92 MHz 64-codes radio receiver with ARC coding | Fixed terminal boards | Automatic, semi-automatic and Deadman logic | Motor limit switch inputs | Step by step, stop and photocell inputs | Photocell input programmable as active in opening-closing and photocell active only in closing | Stop input configurable as pedestrian | Output configurable as open gate indicator or second radio channel | Autoset of operating parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection | Virtual encoder | Adjustable slowdowns | Built-in energy saving system ESA+ | Advantouch system to configure parameters and manage radio transmitters | Set up for connection to SW.CB battery charger (optional) | Set up for connection to KNX systems via X.BE card (optional) | Use of the pro.UP accessory and the BeUP app makes it possible to access an advanced programming level, to consult the number of manoeuvres and to protect the control unit with the password, in addition to making the diagnostics and firmware update functions available



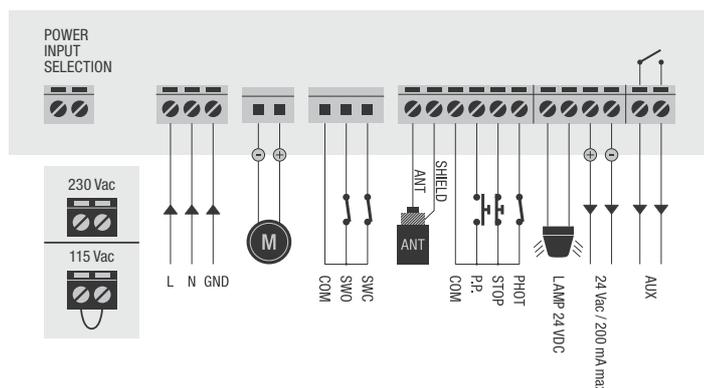
SW.CB
Accessory equipped with battery charger CB.SW and connection cables.



X.BE
Electronic interface board between the KNX communication system and Benincà automation devices.



PRO.UP
Interface for remote programming and diagnostics.





CP.B24 TURBO



APPLICATION

1 actuator for sliding gates, series BULL624/1224 TURBO

CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

MOTORS POWER SUPPLY

24 Vdc / 20 A

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 512-code radio receiver with ARC coding | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Step by step, open, close and stop inputs | Photocell input (PHO) configurable as active in opening-closing or only in closing phases | Photocell input (PHC) active both in opening and closing phases | Input for N.C or 8K2 sensitive edge | Input for safety sensor | OPEN input configurable as pedestrian | Two outputs configurable as open gate indicator, courtesy light, zone light, second channel radio, photocell testing, flashing light, alarm contact | Output for connecting flashing light | Predesigned for the operation of opposed sliding gates through SIS synchronisation board (optional) | Predesigned for KNX connection through X.BE board (optional) | Designed for managing, configuring, diagnosing and updating firmware through the BeUP app, using the PRO.UP accessory | Autosetting of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric obstacle detection | Virtual encoder | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning | Integrated battery charger, compatible with battery models DA.BT2/DA.BT6



SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.



BT2.BAT

1.2 Ah battery kit with bracket and cable.



BT6.BAT

7 Ah battery kit with bracket and cable.



BULL624T.CB

Kit composed of cables and brackets for batteries installation.
Pack of 5 pcs.



BULL1224T.CB

Kit composed of cables and brackets for batteries installation.
Pack of 5 pcs.



DA.BT2

2.1 Ah 12 Vdc Battery.

DA.BT6

7 Ah 12 Vdc Battery.



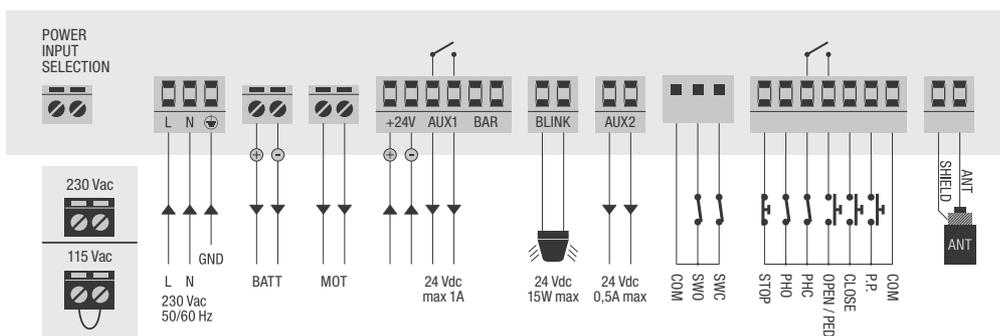
X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



PRO.UP

Interface for remote programming and diagnostics.





CP.B24-D120



APPLICATION

1 actuator for sliding gates, series BULL SE

CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

MOTORS POWER SUPPLY

24 Vdc / 9 A

POWER CONSUMPTION IN STAND-BY

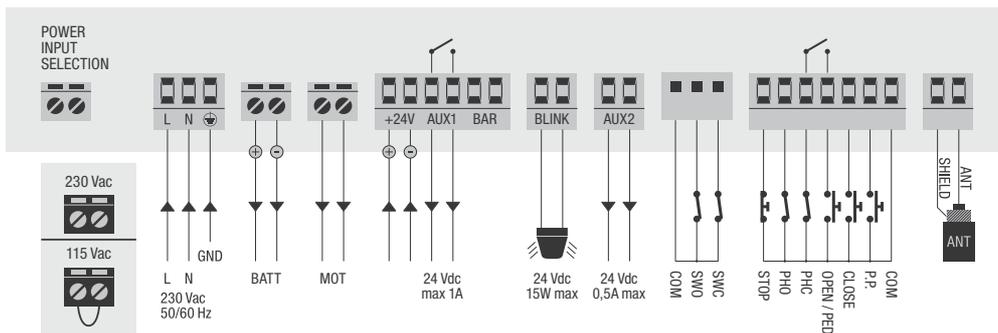
0.8 W

MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz
 2048 codes with ARC coding | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Motor limit switch inputs | Photocell input (PHO) active in opening and closing | Photocell input (PHC) active only in closing phase | Input for N.C. or 8K2 sensitive edge | OPEN input configurable as pedestrian | Two outputs configurable as open gate signal light, courtesy, zone light, second radio channel, photocell testing, flashing light, alarm contact | Output for connecting the flashing light | Predesigned for the operation of opposed sliding gates through SIS synchronisation board (optional) | Set up for connection to KNX connection through X.BE board (optional) | Designed for managing, configuring, diagnosing and updating firmware through the BeUP app, using the PRO.UP accessory | Autoset of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection | Virtual encoder | Adjustable slow-downs | Built-in energy saving system ESA+ | Advantouch system to configure parameters and manage radio transmitters | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger, compatible with batteries model DA.BT2/DA.BT6



- SIS**
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed sliding gates). One board for each motor is necessary.
- BT2.BAT**
1.2 Ah battery kit with bracket and cable.
- BT6.BAT**
7 Ah battery kit with bracket and cable.
- BULL624T.CB**
Kit composed of cables and brackets for batteries installation.
Pack of 5 pcs.
- BULL1224T.CB**
Kit composed of cables and brackets for batteries installation.
Pack of 5 pcs.
- DA.BT2**
2.1 Ah 12 Vdc Battery.
DA.BT6
7 Ah 12 Vdc Battery.
- X.BE**
Electronic interface board between the KNX communication system and Benincà automation devices.
- PRO.UP**
Interface for remote programming and diagnostics.





CP.MARK



APPLICATION

1 or 2 actuators series MARK

CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 5.5 A + 5.5 A

POWER CONSUMPTION IN STAND-BY

0.8 W

MAIN FUNCTIONS

Integrated LCD display | Integrated radio receiver 433.92 MHz
 64 codes with ARC coding | Removable terminal boards |
 Automatic, semi-automatic and Deadman logic | Encoder input |
 Step-by-step and stop inputs | Photocell input settable as input
 for N.C. or 8K2 sensitive edge | Two inputs configurable as open,
 close, photocell in opening-closing, photocell in closing, opening
 and closing limit switch for the second motor | Limit switch input
 | Separate power supply output for each motor | Output for 24
 Vdc flashing light | 24 Vdc auxiliary output max 500mA | Output
 (230Vac 5A max) configurable as open gate signal light, courtesy
 light, zone light, second radio channel, photocell testing, flashing
 light, open gate alarm, NC inputs alarm | Integrated LED courtesy
 light | Courtesy light output on second motor | Autoset operating
 parameters | Electronic torque adjustment | Separate electronic
 adjustments of opening and closing speeds | Anti-crushing
 safety with amperometric detection and encoder management
 | Electronic torque adjustment with automatic calculation for
 each point of the stroke (STC SYSTEM) | Adjustable slowdowns
 in opening and closing | Built-in energy saving system ESA+ |
 Set up for connection with KNX system via X.BE card (optional)
 | Designed for managing, configuring, diagnosing and updating
 firmware through the BeUP app, using the PRO.UP accessory |
 Advantouch system to configure parameters and manage radio
 transmitters | Number of manoeuvres | Programming access
 password | Maintenance warning | Built-in battery charger,
 compatible with 2 batteries 12V 1,2Ah



XLB.CB

Battery box fitted
 with universal
 bracket and
 cables. IP54.



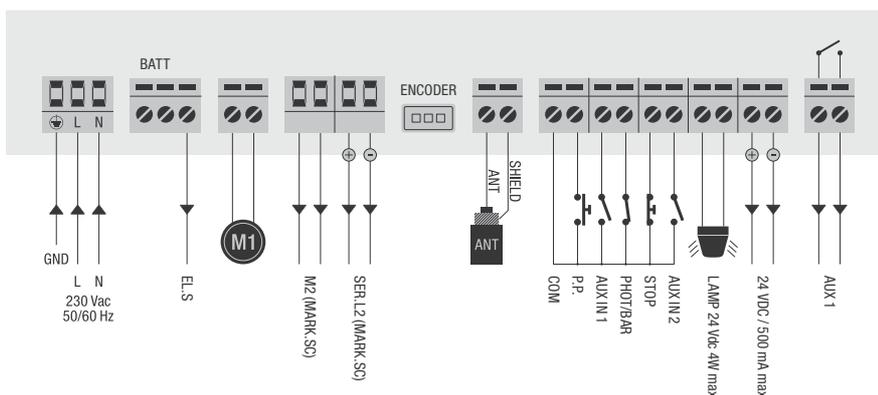
X.BE

Electronic
 interface board
 between the KNX
 communication
 system and
 Benincà
 automation
 devices.



PRO.UP

Interface
 for remote
 programming
 and diagnostics.





CP.ZED24



APPLICATION

1 or 2 actuators series ZED24.RI

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 5.5 A + 5.5 A

MAIN FUNCTIONS

Parameter and operation logic regulations through trimmers and dip-switches | Integrated 433.92 MHz 64-code radio receiver with ARC coding | Removable terminal boards | Automatic and semi-automatic logic | Motor limit switch inputs | Inputs for open, close, stop, step by step and photocell | Input for N.C or 8K2 sensitive edge | Output for service light 24 VAC/DC | Output for open gate indicator | Output for connecting flashing light | Electronic torque adjustment | Anti-crushing safety thanks to amperometric detection | Fixed slow-downs | Advantouch system to manage radio transmitters memorised on integrated receiver



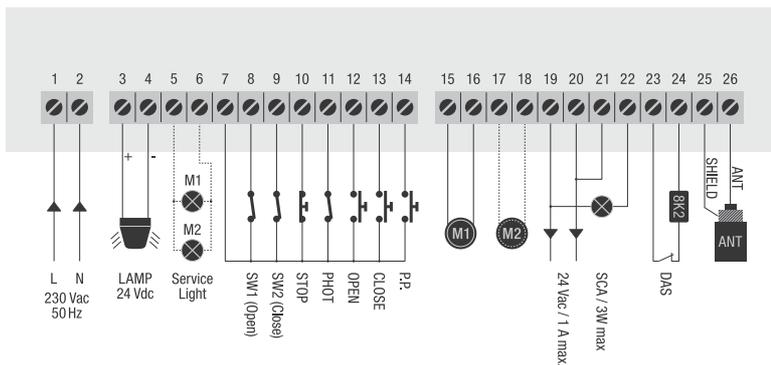
CBY.24V
Battery charger card. The CBY.24V card allows charging two different types of nickel metalhydrate and lead batteries.



DA.BT2
2.1 Ah 12 Vdc Battery.
DA.BT6
7 Ah 12 Vdc Battery.



XLB.CB
Battery box fitted with universal bracket and cables. IP54.





CP.J3-SW | CP.J4-SW



APPLICATION

1 actuator series JM.3/JM.4

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 8 A

POWER CONSUMPTION IN STAND-BY

0.8 W

MAIN FUNCTIONS

Regulation of operating parameters and logics through trimmers, dip-switches and buttons | Integrated 433.92 MHz 64-code radio receiver with ARC coding | Fixed terminal boards | Automatic, semi-automatic and Deadman logic | Step by step, stop and photocell inputs | Integrated LED courtesy light | Output for connecting the flashing li | Autoset of operating parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection and encoder management | Electronic regulation on 4 levels of residual tension of the belt at the end of the manoeuvre | Adjustable slow-downs | Built-in energy saving system ESA+ | Advantouch system to configure parameters and manage radio transmitters | Set up for connection to SW.CB battery charger (optional) | Set up for connection to KNX systems via X.BE card (optional) | Use of the pro.UP accessory and the BeUP app makes it possible to access an advanced programming level, to consult the number of manoeuvres and to protect the control unit with the password, in addition to making the diagnostics and firmware update functions available



SW.CB

Accessory equipped with battery charger CB.SW and connection cables.



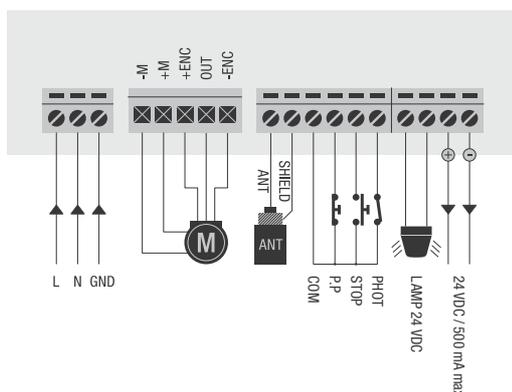
JR.BR

Bracket for batteries installation.
Pack of 5 pcs.



X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.





CP.J4ESA



APPLICATION

1 actuator series JM.3ESA, JM.4ESA

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 8.5 A

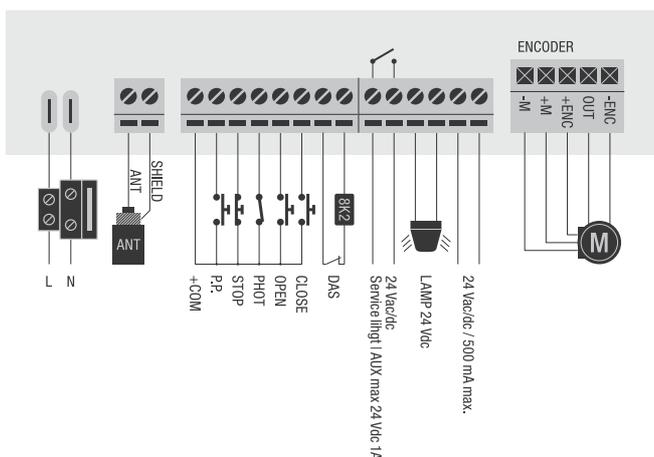
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Integrated ESA SYSTEM for energy savings | Fixed terminal boards | Automatic and semi-automatic logic | Step by step, open, close, stop and photocell inputs | Input for N.C or 8K2 sensitive edge | Output for configuration as gate open indicator, service light, second radio channel or area light | Output for connecting flashing light | Photocell testing | Autosetting of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric detection and encoder management | Possibility of setting a slower starting speed for 2 seconds (SOFT START) | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



JM.CBY

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.





CP.JT



APPLICATION

1 actuator series JM.3ESA TURBO

CONTROL UNIT POWER SUPPLY

230 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 8.5 A

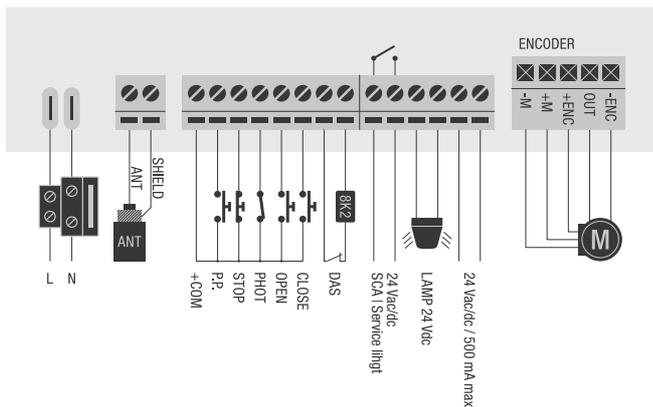
MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Integrated ESA SYSTEM for energy savings | Fixed terminal boards | Automatic and semi-automatic logic | Step by step, open, close, stop and photocell inputs | Input for N.C or 8K2 sensitive edge | Output for configuration as gate open indicator, service light, second radio channel or area light | Output for connecting flashing light | Photocell testing | Autosetting of operating parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric detection and encoder management | Possibility of setting a slower starting speed for 2 seconds (SOFT START) | Adjustable slow-downs | Advantouch system to configure parameters and manage radio transmitters | Number of maneuvers | Programming access password | Maintenance warning



JM.CBY

Accessory with CBY.24V battery charger, 1.2 Ah batteries and support bracket.





CP.JACK



APPLICATION

1 lateral operator for balanced sectional doors JACK24

CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 8 A

MAIN FUNCTIONS

Integrated LCD Display | Integrated 433.92 MHz 512-code radio receiver with ARC coding | Removable terminal boards | Absolute Encoder | Automatic, semi-automatic and Deadman logic | Step by step, stop, photocell, open and close inputs| Input for N.C or 8K2 sensitive edge | Integrated LED courtesy light | Output configurable as gate open indicator, courtesy light, zone light, second radio channel | Output for 230 Vac electric lock/service light | Output for connecting the flashing light | Autoset of operation parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection and encoder management | Electronic slowdowns in opening and closing | Built-in energy saving system ESA+ | Set up for connection to KNX systems via X.BE card (optional) | Designed for managing, configuring, diagnosing and updating firmware through the BeUP app, using the PRO.UP accessory | Advantouch system to configure parameters and manage radio transmitters | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger



JACK.BAT

2.1 Ah battery kit with bracket and cable.

JACK24.CB

Kit composed of cables and brackets for batteries installation.

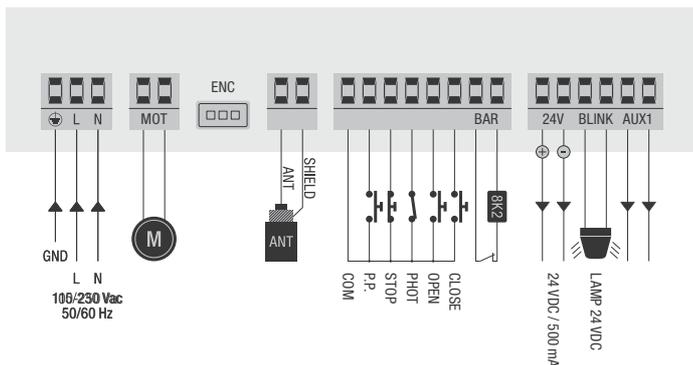
Pack of 5 pcs.

X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.

PRO.UP

Interface for remote programming and diagnostics.





CP.DIVA



APPLICATION

1 road barrier series DIVA

CONTROL UNIT POWER SUPPLY

115 or 230 Vac (selectable) 50/60Hz

MOTORS POWER SUPPLY

24 Vdc / 11 A three-phase brushless

MAIN FUNCTIONS

Integrated LCD Display | Integrated 433.92 MHz 512-codes radio receiver with ARC coding | Removable terminal boards | Automatic, semi-automatic and Deadman logic | Step by step, stop, photocell, open and close inputs | Outputs configurable as open barrier indicator, second radio channel, boom lights, courtesy light, verified photocell power supply, maintenance indicator, close contact when the barrier is open or closed | Autoset of operation parameters | Electronic torque adjustment with automatic calculation for each point of the stroke (STC SYSTEM) | Separate electronic adjustments of opening and closing speeds | Anti-crushing safety through amperometric detection and encoder management | Electronic slowdowns in opening and closing | Preparation for the operation of opposed barriers with SIS synchronisation board (optional) | Set up for connection to KNX systems via X.BE card (optional) | Designed for managing, configuring, diagnosing and updating firmware through the BeUP app, using the PRO.UP accessory | Advantouch system to configure parameters and manage radio transmitters | Number of manoeuvres | Programming access password | Maintenance warning | Built-in battery charger compatible with batteries DA.BT2 / DA.BT6



SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).



DA.BT2

2.1 Ah 12 Vdc Battery.

DA.BT6

7 Ah 12 Vdc Battery.



DIVA.TL

Electronic board to adjust the light colours on the arm and the crown according to the boom position (traffic light function).



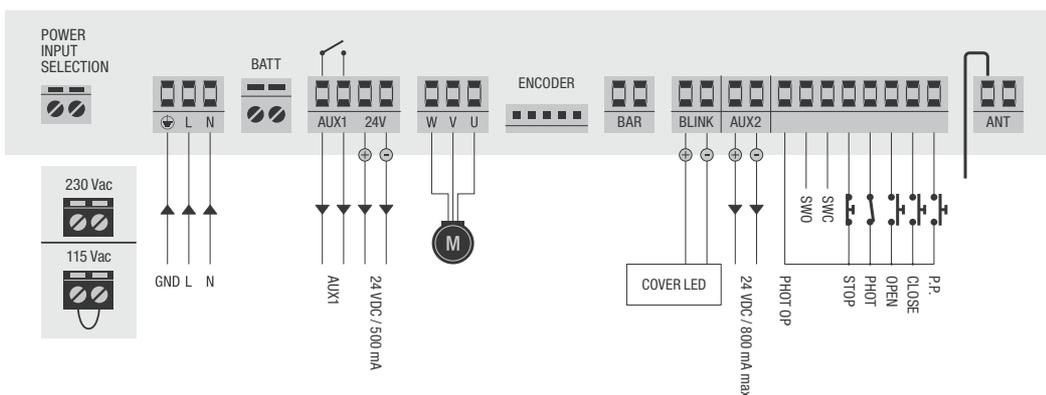
X.BE

Electronic interface board between the KNX communication system and Benincà automation devices.



PRO.UP

Interface for remote programming and diagnostics.





CP.EVA



APPLICATION

1 road barrier series EVA.5, EVA.7, EVA.8

CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 10 A

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Absolute encoder management | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Open, close, step by step, photocell and stop inputs | Output for EVA.L accessory, integrated LED on arm | Output configurable as open barrier indicator light, second radio channel of incorporated receiver, arm light, service light, photocell test or maintenance indicator | Output for connecting flashing light | Predesigned for the operation of opposed barriers with SIS synchronisation board (optional) | Autosetting of operation parameters | Electronic torque adjustment with automatic calculation for each point in the stroke (STC SYSTEM) | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | Integrated battery charger, compatible with battery models DA.BT2/DA.BT6



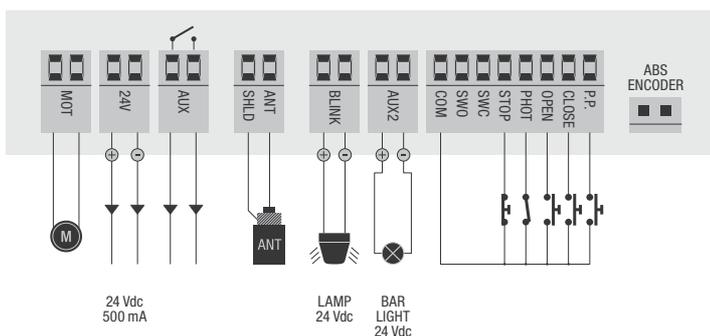
SIS
Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



DA.2S
Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).



DA.BT2
2.1 Ah 12 Vdc Battery.
DA.BT6
7 Ah 12 Vdc Battery.





CP.LADY



APPLICATION

1 road barrier series LADY, LADY.5, VE.650

CONTROL UNIT POWER SUPPLY

100 ÷ 250 Vac - 50/60 Hz

MOTORS POWER SUPPLY

24 Vdc / 10 A

MAIN FUNCTIONS

Integrated LCD display | Integrated 433.92 MHz 64-code radio receiver with 3 encoding systems (Advanced Rolling Code, Rolling Code, Fixed Code) | Removable terminal boards | Automatic, semi-automatic and deadman's logic | Motor limit switch inputs | Open, close, step by step, pedestrian and stop inputs | Output for LADY.L accessory, LED integrated on arm | Output configurable as open barrier indicator light, second radio channel of incorporated receiver, arm light, service light, photocell test or maintenance indicator | Output for connecting flashing light | Predesigned for the operation of opposed barriers with SIS synchronisation board (optional) | Autosetting of operation parameters | Anti-crushing safety thanks to amperometric obstacle detection | Adjustable slow-downs | Number of maneuvers | Programming access password | Maintenance warning | Integrated battery charger, compatible with battery models DA.BT2/DA.BT6



SIS

Quick connection electronic board that allows synchronised movement of 2 automation devices (opposed barriers). One board for each motor is necessary.



DA.2S

Electronic board that allows synchronised movement of 2 automation devices (opposed barriers).

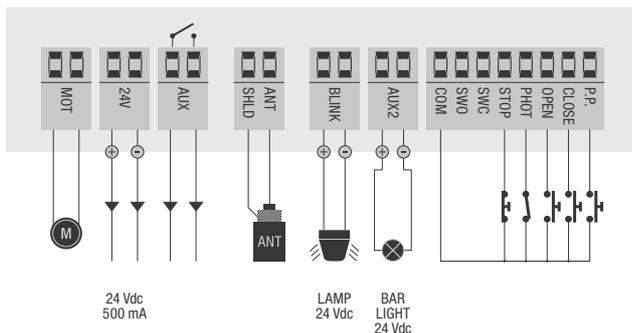


DA.BT2

2,1 Ah 12 Vdc Battery.

DA.BT6

7 Ah 12 Vdc Battery.





COMPARISON TABLE

INTERNAL CONTROL UNITS

CONTROL UNITS FEATURES	CP-CORE	CP-BULL&-OM	CP-BULL-RI	CP-BULL-REV	CP-BULL20-HE	CP-BULL-OMI	CP-BISON OTI	CP-BISON OTI L	CP-YAK OTI	CP-ZED-AUTR	UP-VN	CP-SAM	CP-BN	CP-MBY24	CP-B24-SW	CP-B24 TURBO	CP-B24-D120	CP-MARK	CP-ZED24	CP-U3-SW	CP-U4-SW	CP-U4ESA	CP-JT	CP-JACK	CP-DIVA	CP-EVA	CP-LADY
motors power supply 24 Vdc												•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
motors power supply 24 Vdc BRUSHLESS 3PH																										•	
motors power supply 230 Vac	•	•	•	•	•	•	•	•	•	•	•																
motors power supply 400 Vac							•																				
INPUTS																											
step by step input	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
open input	*	*	•	•	•	•	•	•	*	•	•	*	•			•	•	•	•			•	•	•	•	•	•
close input	*	*	•	•	•	•	•	•	•	•	•	*	•			•	•	•	•			•	•	•	•	•	•
pedestrian opening input	*	•	•	•	•	•	•	•	•			•	•	•	*	*	*							*			
photocell input in opening phase	*	•	•	•	•	•	•	•	*			•	•	•	*	•	•	*							*		
photocell input in closing phase	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
stop input	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
conductive safety input		•	•	•	•	•	•	•	•	•		•	•		•	•	*	•				•	•	•			
limit switch input open/close for motor 1	•	•	•	•	•	•	•	•	•	•				•	•	•	•	•	•							•	•
limit switch input open/close for motor 2														•			*										
input for safety sensor						•	•	•	•	•						•											
OUTPUTS																											
motor 1 output	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
motor 2 output									•			•	•	•					•	•							
flashing light output	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12 Vac electric lock output												•	•														
auxiliary output for optional electric-lock card																		•						•			
24 Vac/dc accessory power supply output	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
gate open indicator	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	*	•			*	*	•	•	•	•
photocell power supply output with phototes	*	•		•	•	•	•	•	*			*	*	*	*	*	*					•	•		*	*	*
2nd radio channel output	*	*	*	*	•	•	•	•	*			•	*	*	*	•	•	•				*	*	*	*	*	*
courtesy light and/or zone light output	*	*	*	*	*	*	*	*	*	•		*	*	•		*	*	*	•			•	•	*	•	•	•
TCA alarm output / n.c. inputs												*				•	*	*									
ADJUSTMENTS																											
self adjustment of working parameters	•	•	•	•	•	•	•	•	•	•		•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
OTHER CHARACTERISTICS																											
adjustments via trimmer and dip-switch	•															•					•	•	•				
adjustments via integrated display		•	•	•	•	•	•	•	•	•		•	•	•		•	•	•				•	•	•	•	•	•
diagnostic LEDS	•											•				•					•	•	•				
input diagnostics via integrated display		•	•	•	•	•	•	•	•	•		•	•	•		•	•	•				•	•	•	•	•	•
433.92 MHz receiver only with ARC coding	•									•		•	•		•	•	•	•	•	•	•	•	•	•	•	•	•
number of transmitters that can be memorised	64	64	64	64	64	512	64	64	512	64	0	512	64	64	64	512	2048	64	64	64	64	64	64	512	512	64	64
encoder management	•	•	•	•	•		•	•		•		•						•		•	•	•	•	•	•	•	•
virtual encoder management						•		•		•		•	•		•	•	•										
inverter management						•	•	•	•																		
pro.UP and KNX interface management												•			•	•	•	•			•	•			•	•	
automatic deactivation of accessories in stand-by mode												•			•	•	•	•			•	•	•	•	•	•	•
built-in ESA+												•			•	•	•	•			•	•	•	•	•	•	•
prepared for backup battery												•	•	•	•	•	•	•			•	•	•	•	•	•	•
built-in battery charger												•	•		•	•	•	•						•	•	•	•

* functions that can be activated as an alternative to the default functions



ACCESSORIES

**BN.24V**

Battery charger card for CP.BN.

**DA.RB**

Battery charger card for DA.SO4.

**CBY.24V**

Battery charger card. The CBY.24V card allows charging two different types of nickel metalidrate and lead batteries.

**DA.BT2**

2.1 Ah 12 Vdc Battery.

**DA.BT6**

7 Ah 12 Vdc Battery.

**DA.BT18**

18 Ah 12 Vdc Battery.

**AWO**

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.

**AW**

433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.

**AF.S**

Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



SB
Plastic box for small control unit.



HB
Box for control units. Protection level IP55.



LB
Standard box for control units. Protection level IP55.



KPO
Set of 2 green push buttons (N.O.) and front cover for Box LB.



KPC
Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.



DA.LB
Galvanized column for outdoor installation of LB box.



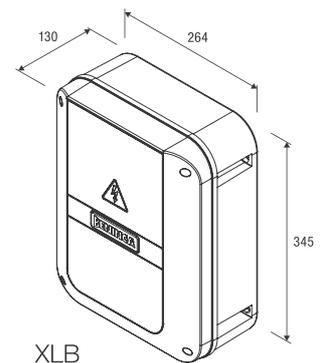
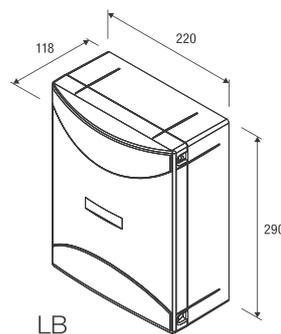
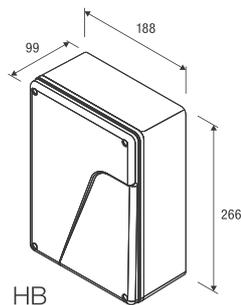
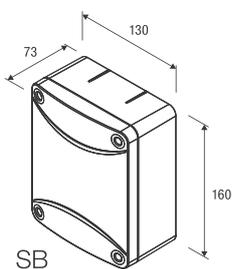
XLB
Box for industrial control units. Protection rating IP55.



XLB.L
Flashing light with 24 VDC power supply. Intermittent or fixed signal lighting can be selected.



SC.RD
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).





ELECTRONIC COMMAND & CONTROL

TRANSMITTERS	433,92 MHz	ARC (128 bit)	2 channels	TO.GO2A	
			4 channels	TO.GO4A	
TRANSMITTERS	433,92 MHz	ARC (128 bit) sequential encoding	2 channels	TO.GO2AS	
			4 channels	TO.GO4AS	
		ARC (128 bit) Rolling Code	2 channels	TO.GO2VA HAPPY.2VA	
			4 channels	TO.GO4VA HAPPY.4VA IRI.TX4VA	
		ARC (128 bit) Fixed Code	2 channels	TO.GO2AK HAPPY.2AK	
			4 channels	TO.GO4AK HAPPY.4AK IRI.TX4AK	
		ARC (128 bit) Master / Slave	4 channels	TO.GO4-MS	
		868 MHz	Rolling Code	2 channels	TO.GO2QV

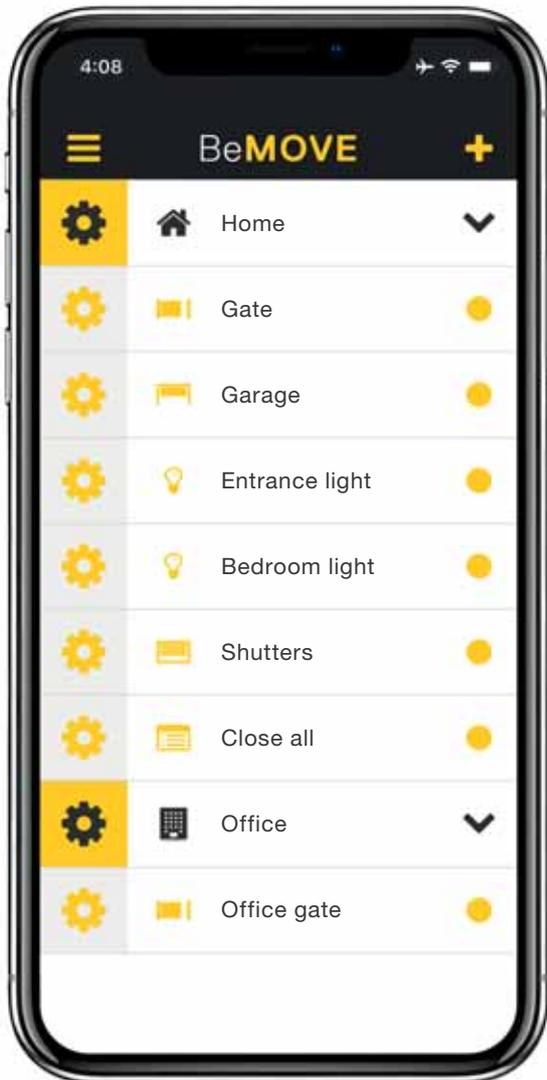


RECEIVERS	433,92 MHz	ARC (128 bit) Rolling Code Fixed Code	2 channels	ONE.2WO ONE.2WB ONE.2WI ONE.2WB-MS
			4 channels	ONE.4WB ESA BASIC
	868 MHz	ARC (128 bit) Rolling Code Fixed Code	2 channels	ONE.2QB
SMART HOME		HOOP g.MOVE i.HOOP pro.UP		
PROGRAMMING SYSTEMS		ADVANTOUCH		



THE BeMOVE SYSTEM

**FOR PRIVATE USERS,
AUTOMATION USERS**



REMOTE CONTROL

Command always and everywhere, even when you don't have the transmitter.

CONTROL

Check the status of your automations at any time.

SECURITY

Set up notifications to be informed if someone opens your gate.

MANAGE YOUR ACCESS

You decide who can control your entrances and when, thanks to the advanced features.

GET SUPPORT QUICKLY AND EASILY

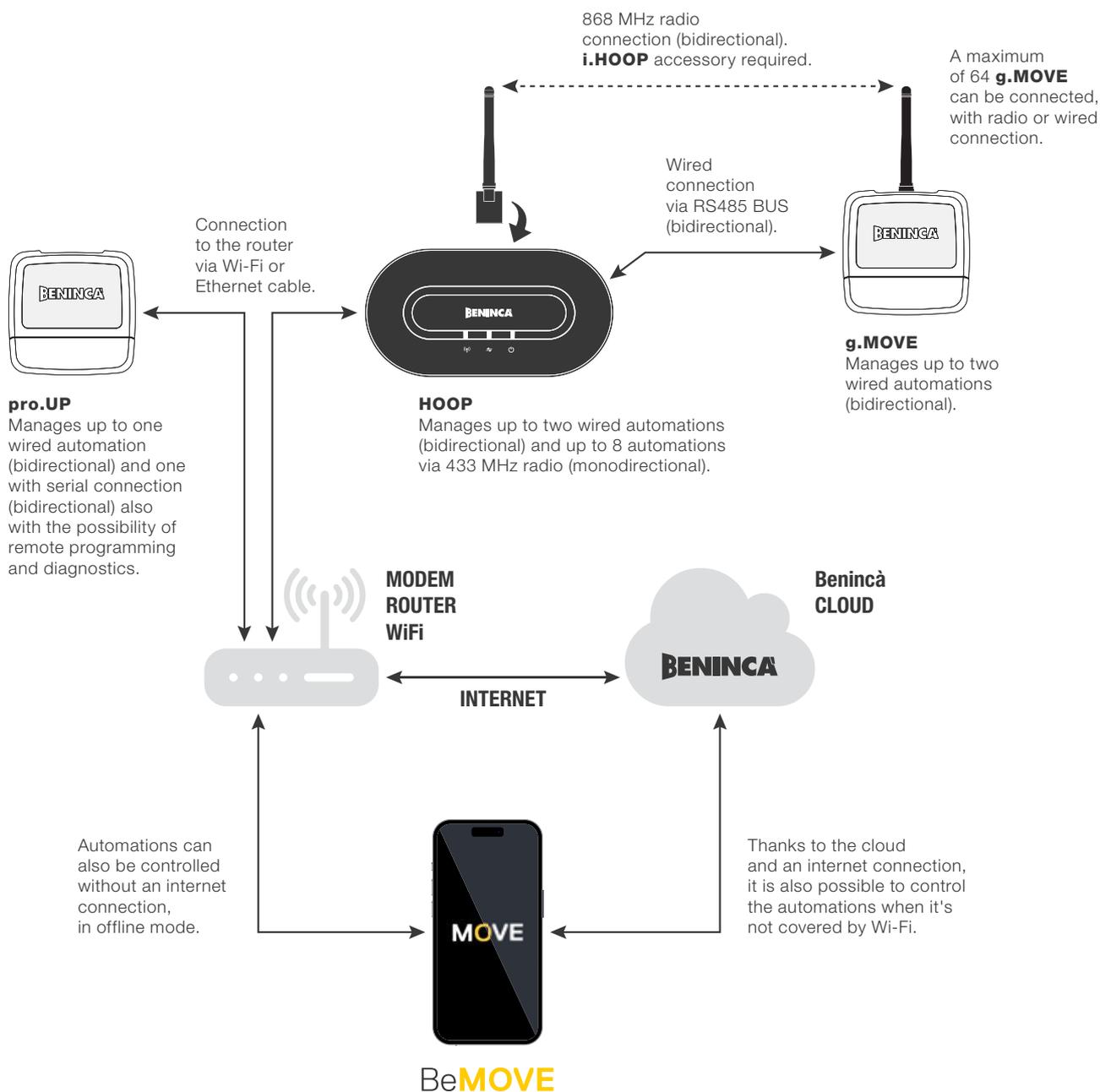
Allow your trusted installer to connect remotely for the quick diagnosis of your automation.



BeMOVE



- Application dedicated to automation users, available on iOS and Android platforms, for the remote management of automations or devices through dialogue with a central gateway (HOOP or pro.UP)
- Quick and easy configuration of the system thanks to integrated installation guides and step-by-step tutorials
- Possibility of associating different types of devices via radio, 433.92 MHz, 868 MHz, via RS485 bus or via wired connection for each HOOP gateway, or via serial or via wired connection for each pro.UP gateway
- Remote control of automations and monitoring of their status via smartphone
- Management of automation devices with advanced programming functions: management of planned events, user access by time slot, control by GPS position, temporary authorisation to occasional users and the setting of scenarios for controlling more than one device
- Possibility of managing and inserting several HOOP/pro.UP gateways by associating an icon, a specific name for each, different roles and modes of access for each user
- Three user modes are available: OPEN MODE, operation without restrictions; SECURITY MODE, the master user has the right to manage and set restrictions for slave users; OFFLINE MODE when there is no Internet connection
- Maximum security thanks to the possibility of entering a PIN code to protect the user association to the gateway
- Quick control of automations by activating the widget buttons of the app
- Facilitated storage, single or multiple, of the transmitters on the system thanks to the QR code reading functionality (TO.GO2/4A and TO.GO2/4AS models) and the possibility of managing them completely also remotely, enabling or disabling them and modifying the association of the keys with the channels of the paired receiver

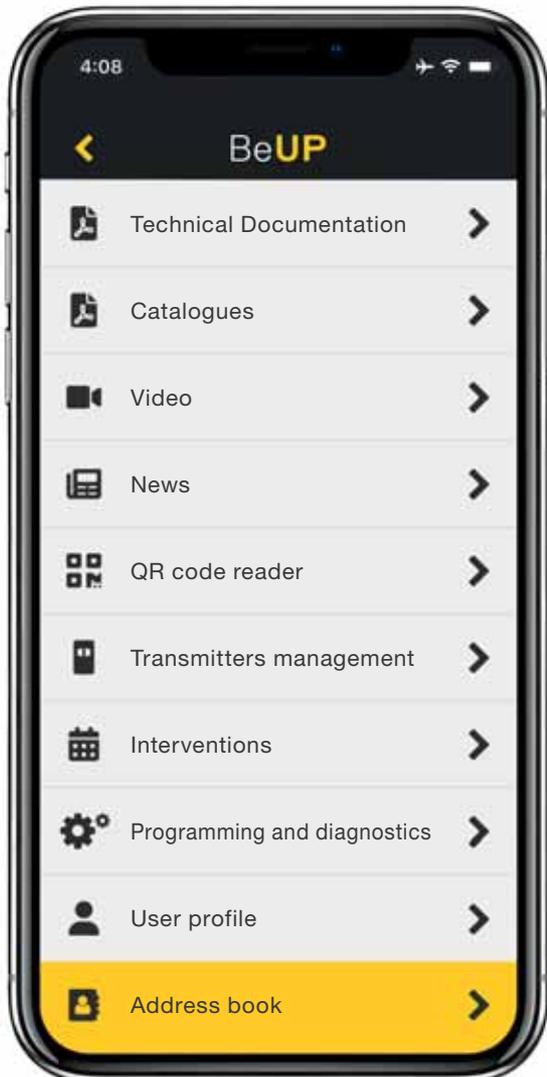


	HOOP	HOOP i.HOOP g.MOVE	pro.UP
Control of the gate from smartphone	✓	✓	✓
Remotely controlling gate status	✓	✓	✓
Command of existing 433 MHz receivers	✓	✓	✗
Two-directional command 868 MHz	✗	✓	✗
System installation BUS RS485	✗	✓	✗
WiFi connection	✓	✓	✓
Ethernet connection	✓	✓	✓
Programming function & diagnostics of compatible control units	✗	✗	✓
Radio transmitters management functionality	✗	✗	✓
Max. number of commands for automation	2	2	6
Max. number of automations controllable by the gateway	10	138	2
Max. number of users per gateway	500	500	500



THE **BeMOVE** SYSTEM

FOR INSTALLERS AND PROFESSIONALS



CONVENIENCE

Your smartphone is the interface, use it as and when you want in any weather condition.

SIMPLICITY

Tutorials and instructions are always available when needed.

DATA SECURITY

Backup of all systems and document repository.

REDUCTION OF ASSISTANCE COSTS

Remote diagnostic.

NEW SERVICES

Remote management of installations and transmitters.

ORGANISED WORK

Plan future interventions and keep track of past ones.

EVOLVE THE SIMPLE CONTROL UNITS

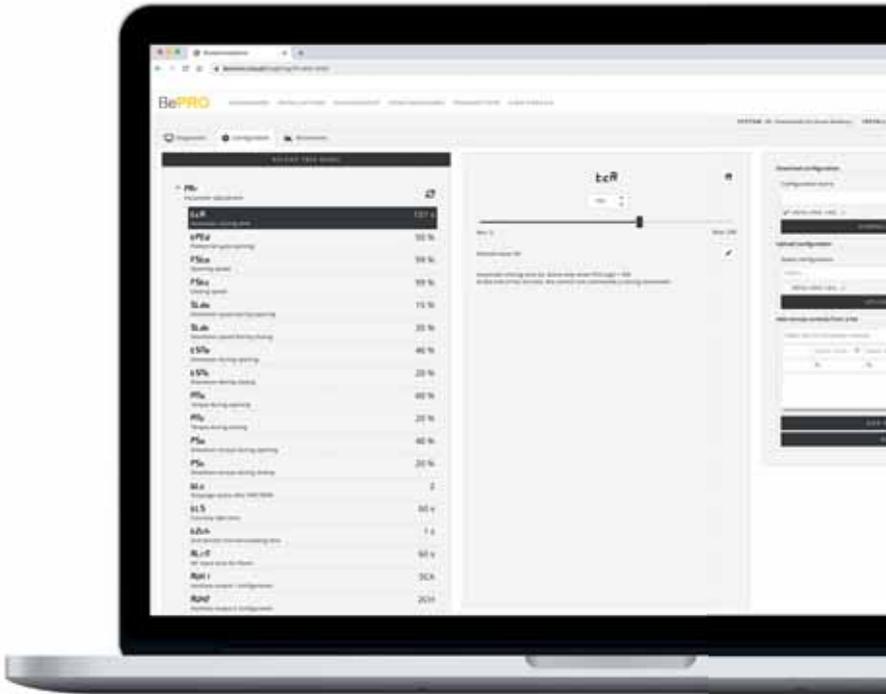
Expand adjustment possibilities thanks to the serial communication



BeUP

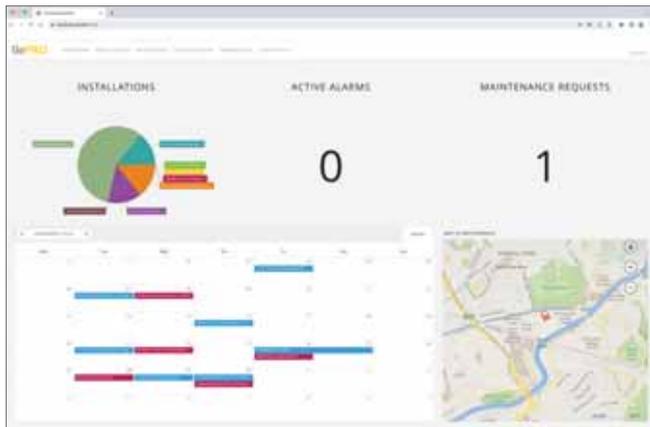


- Application dedicated to professionals, available for iOS and Android, which allows you to configure and manage BeMOVE systems, as well as consult manuals, catalogues and instructions
- Through the serial connection of the pro.UP interface module, a series of additional features are available to simplify the installation and maintenance phases of the systems
- It is possible to consult the complete menu of the control unit directly from your smartphone and proceed with the programming (only through pro.UP and compatible control units)
- Permits advanced levels of programming also for the simplest control units (e.g. precise adjustment of parameters, adjustment of slowdowns, protection of the control unit with password, etc.)
- Easily export the control unit menu and transmitters configurations as back up if required in the future (e.g. system resets in the event of faults)
- In the event of a request for assistance by the end user, it is possible to connect remotely to the system, subject to authorisation, and read the diagnostic data provided by the control unit, consult the event log recorded by pro.UP, make changes to the configuration, launch test commands and manage radio transmitters (function only available with the installation of the pro.UP interface on the system and its online configuration)
- Within the application it is possible to create a real calendar of the interventions to be done, note down the activities to be carried out by setting a deadline and a priority for each system and installation present
- Possibility of creating and managing a customer contact list, associating systems and product installations



BePRO www.beninca.cloud

- The web portal for professionals, created to complete the features of the BeUP app, which allows you to expand remotely the control of plants and installations
- Consult all the entries of the system configuration and, if necessary, easily modify them
- Each installation comes with an archive in which you can upload documents for quick reference at any time
- Geolocate the systems on the map to facilitate the planning of their interventions
- View and consult the power consumption curves of the motors for each registered installation
- Manage the lists of radio transmitters also with import/export from the memory of the connected control units or from files (.csv or .xlsx)



	BeUP	BePRO
BeMOVE systems configuration	✓	✗
Instruction manuals, news and tutorials	✓	✗
Event planner	✓	✓
Diagnostic and programming locally / remotely	✓ / ✓	✗ / ✓
Alarms and errors checking locally / remotely	✓ / ✓	✗ / ✓
Import/export configurations locally / remotely	✓ / ✓	✗ / ✓
Reading and modification of configurations	✗	✓
Firmware updates locally / remotely	✓ / ✓	✗ / ✓
Adding transmitters through QR code	✓	✗
Transmitters and lists management	✓	✓
Power consumption curves consultation	✗	✓
Event log consultation	✓	✓
The Geolocation of the installations on the map	✗	✓
Document repository	✗	✓



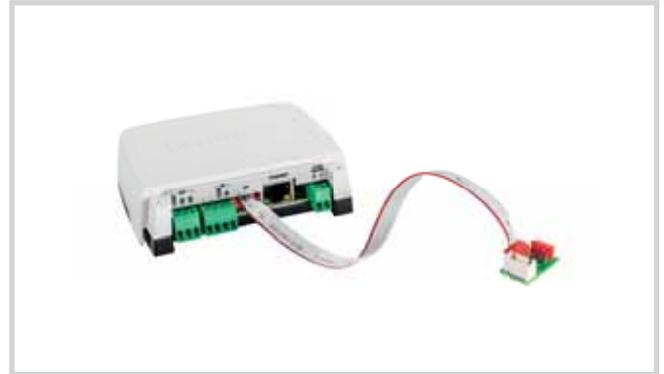
THE BeMOVE SYSTEM

SYSTEM ELEMENTS



HOOP

- Interface gateway between automations and the BeMOVE application
- HOOP has a modern linear design to guarantee perfect integration in every location, also thanks to three different installation methods (set upright on its base, on one side or wall mounted)
- Radio transmissions on a frequency of 433.92 MHz (mono-directional) with 8 channels and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code
- Radio transmissions on a frequency of 868 MHz (bi-directional) possible with i.HOOP plug-in transceiver (accessory)
- Connection to the router possible via integrated 802.11b/g/n 2.4GHz Wi-Fi module or via RJ45 Ethernet port
- 3 warning LED lights to indicate the presence of power, Wi-Fi or Ethernet connection and radio signal (RGB)
- HOOP is predesigned also for direct wiring to the automation control unit through two 250V 5A relay outputs and 2 inputs (clean contacts)
- It is possible to manage up to 64 devices 868 MHz g.MOVE or RS485 bus, 8 devices 433.92 MHz and 2 wired devices
- Power supply included
- Transmission via RS485 bus protocol through two-wire connection



pro.UP

- Interface gateway between automations and BeUP and BeMOVE applications
- pro.UP communicates through a serial connection with compatible products or via wired connection with any automation or other device that can be operated with voltage-free contact
- Equipped with 802.11b/g/n 2.4GHz Wi-Fi module or RJ45 Ethernet input
- Equipped with voltage-free control input and 230V 5A relay output (resistive load)
- 12 or 24 Vac/dc power supply (not necessary if using serial connection)



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



ONE.4WB

4-channel receiver with full-range power supply (115-230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



g.MOVE

- 868 MHz transceiver for installation on automation devices or other devices that can be operated through a voltage free contact (lights, irrigation systems, air conditioning systems, etc)
- Permits remote command and control (status feedback) of connected devices
- Input for RS485 bus connection
- Equipped with two voltage free command inputs and two 230V 5A relay outputs (resistive load)
- 12 or 24 V AC/DC power supply



i.HOOP

- 868 MHz transceiver module to install on the central gateway HOOP
- Permits bi-directional communication with automation devices for remote control of status



TO.GO A

ADVANCED ROLLING CODE TRANSMITTERS

2 and 4 channels



Configuration and list of available channels:

	CH1		CH5
	CH2		CH6
	CH3		CH7
	CH4		CH8
	hidden button		CH9



Training

Guide to memorisation of a TO.GO transmitter in a receiver or control unit. Watch the video.

- 2 or 4-channel transmitter of the TO.GO series with Advanced Rolling Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The TO.GO4A model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems
- Equipped with 12 V battery for long lifespan
- Long range, up to 230 m in a free area
- Car accessory (TO.CLIP) or wall accessory (SMART) available



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



ONE.4WB

4-channel receiver with full-range power supply (115-230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



TO.GO2A

2-channels transmitter with Advanced Rolling Code. Easy insertion in the installations by reading QR code via the BeUP app, without having to go there.



TO.GO4A

4-channels transmitter with Advanced Rolling Code. Easy insertion in the installations by reading QR code via the BeUP app, without having to go there.



TO.GO2AS

2-channels transmitter with Advanced Rolling Code. Sequential coding for multiple insertions, also facilitated by reading QR code via the BeUP app, without having to go on the installation.



TO.GO4AS

4-channels transmitter with Advanced Rolling Code. Sequential coding for multiple insertions, also facilitated by reading QR code via the BeUP app, without having to go on the installation.



RG58 MT5
AWO antenna cable L = 5 m.



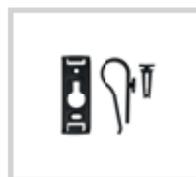
AW
433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



AF.S
Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



SMART
Cover compatible with TO.GO transmitters for internal wall mounting.



TO.CLIP
Car accessory for TO.GO transmitters.



BT12
12 V Battery, for transmitter. Available in 50 pcs packing.



TO.GO VA

TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND ROLLING CODE

2 and 4 channels



Configuration and list of available channels (ARC only):

 CH1	 CH5
 CH2	 CH6
 CH3	 CH7
 CH4	 CH8
 hidden button	 CH9

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Rolling Code.
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter has ARC coding as factory setting. However, it is possible to change the coding by using it in Rolling Code or even in mixed coding (ARC and Rolling Code)
- If using mixed coding, the ARC can be set with the T1/T3 buttons and the Rolling Code with the T2/T4 buttons
- The TO.GO4VA model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems
- Equipped with 12 V battery for long lifespan
Long range, up to 230 m in a free area
- Car accessory (TO.CLIP) or wall accessory (SMART) available



Training

Guide to memorisation of a TO.GO transmitter in a receiver or control unit and how to change the code. Watch the video.



ONE.2WO
433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB
433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



ONE.2WI
433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



ONE.4WB
4-channel receiver with full-range power supply (115-230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2QB
Universal 868 MHz receiver, 2 channels, in box.



MEM2048
Additional memory for up to 2048 codes. For receivers of the ONE series.



TO.GO2VA

2-channel transmitter with Advanced Rolling Code and Rolling Code.



TO.GO4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



TO.GO2QV

2-channel 868 MHz transmitter with Rolling Code.



AWO
433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



RG58 MT5
AWO antenna cable L = 5 m.



AW
433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



SMART
Cover compatible with TO.GO transmitters for internal wall mounting.



TO.CLIP
Car accessory for TO.GO transmitters.



BT12
12 V Battery, for transmitter. Available in 50 pcs packing.



TO.GO AK

TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND FIXED CODE

Compatible with the most common fixed code transmitters

2 and 4 channels



Training

Guide to the procedure of copying fixed codes and enabling ARC codes. Watch the video.

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Fixed Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter allows expanding the convenience of remote duplication (without having access to the installation), typical of Fixed Codes, even with ARC. TO.GO2/4AK transmitters can become duplicates of fixed code transmitters, but they can also be enabled to operate systems with Advanced Rolling Code
- It is possible to associate each button with different types of coding (Advanced Rolling Code or Fixed Code) independently
- Equipped with 12 V battery for long lifespan
- Long range, up to 230 m in a free area
- Car accessory (TO.CLIP) or wall accessory (SMART) available



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



ONE.4WB

4-channel receiver with full-range power supply (115-230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



TO.GO2AK

2-channel transmitter with Advanced Rolling Code and Fixed Code.



TO.GO4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



RG58 MT5
AWO antenna cable
L = 5 m.



AW
433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



AF.S
Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



SMART
Cover compatible with TO.GO transmitters for internal wall mounting.



TO.CLIP
Car accessory for TO.GO transmitters.



BT12
12 V Battery, for transmitter. Available in 50 pcs packing.



HAPPY VA

TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND ROLLING CODE

2 and 4 channels



Configuration and list of available channels (ARC only):

 CH1	 CH5
 CH2	 CH6
 CH3	 CH7
 CH4	 CH8
 hidden button	 CH9

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Rolling Code, with green interchangeable cover with soft lines and essential design
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter has ARC coding as factory setting. However, it is possible to change the coding by using it in Rolling Code or even in mixed coding (ARC and Rolling Code)
- If using mixed coding, the ARC can be set with the T1/T3 buttons and the Rolling Code with the T2/T4 buttons
- The HAPPY.4VA model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems
- Covers in three different colours are available as accessories, respectively for the version with 2 or 4 channels (FLIP.2/FLIP.4)
- Easy access to the battery and to the transmitter type, located on the front under the coloured cover



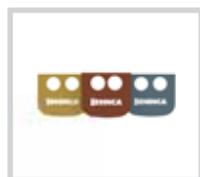
Training

Guide to change coding and the use of mixed coding with HAPPY.VA transmitters. Watch the video.



FLIP.2

Package of 2-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.
Package of 30 pcs.



FLIP.4

Package of 4-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.
Package of 30 pcs.



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



ONE.4WB

4-channel receiver with full-range power supply (115-230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



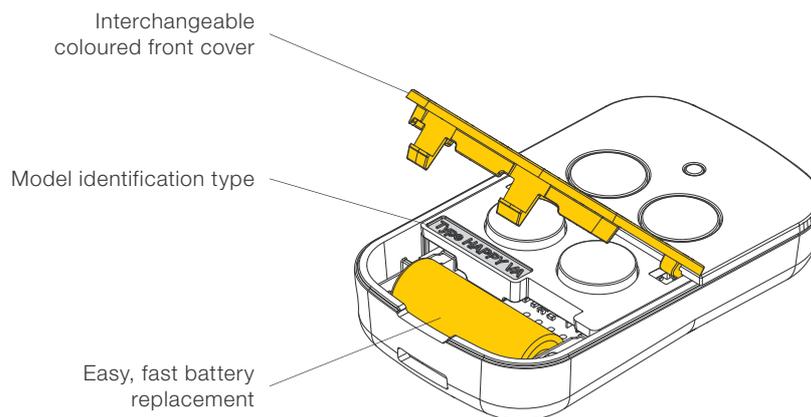
HAPPY.2VA

2-channel transmitter with Advanced Rolling Code and Rolling Code.



HAPPY.4VA

4-channel transmitter with Advanced Rolling Code and Rolling Code.



MEM2048
Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO
433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



RG58 MT5
AWO antenna cable L = 5 m.



AW
433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



AF.S
Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



BT12
12 V Battery, for transmitter. Available in 50 pcs packing.



HAPPY AK

TRANSMITTERS WITH DOUBLE CODING, ADVANCED ROLLING CODE AND FIXED CODE

Compatible with the most common fixed code transmitters

2 and 4 channels



Training

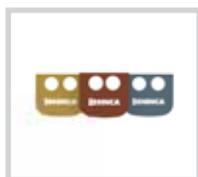
Guide to the procedure of copying fixed codes and enabling ARC codes. Watch the video.

- 2 or 4-channel transmitter with double coding, Advanced Rolling Code and Fixed Code, with wine-red interchangeable cover with soft lines and essential design
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter allows expanding the convenience of remote duplication (without having access to the installation), typical of Fixed Codes, even with ARC. HAPPY.AK transmitters can become duplicates of fixed code transmitters, but they can also be enabled to operate systems with Advanced Rolling Code
- It is possible to associate each button with different types of coding (Advanced Rolling Code or Fixed Code) independently
- Covers in three different colours are available as accessories, respectively for the version with 2 or 4 channels (FLIP.2/FLIP.4)
- Easy access to the battery and to the transmitter type, located on the front under the coloured cover



FLIP.2

Package of 2-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.
Package of 30 pcs.



FLIP.4

Package of 4-channel covers for HAPPY transmitters. Contains 10 pieces for each available colour: orange, light blue and yellow.
Package of 30 pcs.



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



ONE.4WB

4-channel receiver with full-range power supply (115-230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



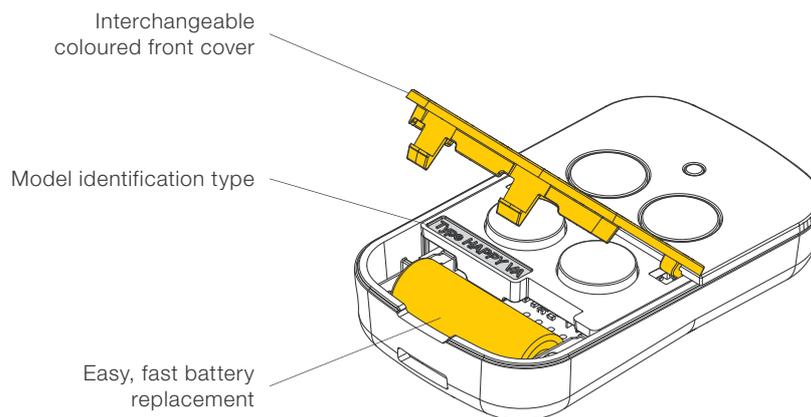
HAPPY.2AK

2-channel transmitter with Advanced Rolling Code and Fixed Code.



HAPPY.4AK

4-channel transmitter with Advanced Rolling Code and Fixed Code.



MEM2048
Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO
433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



RG58 MT5
AWO antenna cable L = 5 m.



AW
433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



AF.S
Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



BT12
12 V Battery, for transmitter. Available in 50 pcs packing.



IRI.TX

TRANSMITTERS WITH DOUBLE CODING

4 channels



iride
passione italiana



Configuration and list of available channels (IRI.TX4VA, ARC only):

	CH1		CH5
	CH2		CH6
	CH3		CH7
	CH4		CH8
	hidden button		CH9



Training

Guide to the procedure of copying fixed codes, enabling ARC codes and changing coding. Watch the video.

- 4-channel transmitter with an elegant, refined design, made of high quality materials with distinctive finishing
- Front plastic parts have a double finish, which highlights the contrast between glossy and matt, and a metal key ring
- 12 V battery for long lifespan



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, plug-in. 512 memorisable codes.



ONE.4WB

4-channel receiver with full-range power supply (115-230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



IRI.TX4VA

- 4-channel transmitter with double coding, Advanced Rolling Code and Rolling Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter has ARC coding as factory setting. However, it is possible to change the coding by using it in Rolling Code or even in mixed coding (ARC and Rolling Code)
- If using mixed coding, the ARC can be set with the T1/T3 buttons and the Rolling Code with the T2/T4 buttons
- The IRI.TX4VA model allows users to set up to 9 channels, thanks to the option of activating the command by simultaneously pressing two buttons chosen by the user. This function allows avoiding accidental openings caused by pressing a button by mistake and is particularly indicated for use with alarm systems



IRI.TX4AK

- 4-channel transmitter with double coding, Advanced Rolling Code and Fixed Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The transmitter allows expanding the convenience of remote duplication (without having access to the installation), typical of Fixed Codes, even with ARC.
- IRI.TX4AK transmitters can become duplicates of fixed code transmitters, but they can also be enabled to operate systems with Advanced Rolling Code
- It is possible to associate each button with different types of coding (Advanced Rolling Code or Fixed Code) independently
- Compatible with the most common fixed code transmitters



RG58 MT5

AWO antenna cable
L = 5 m.



AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



AF.S

Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



BT12

12 V Battery, for transmitter.
Available in 50 pcs packing.



ONE.2

UNIVERSAL RECEIVERS | 2 CHANNELS



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. Encoding learned after first transmission with the transmitter.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, in box. Encoding learned after first transmission with the transmitter.



ONE.2WI

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, plug-in. Encoding learned after first transmission with the transmitter.



ONE.2QB

868 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, in box. Encoding learned after first transmission with the transmitter.



MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



RG58 MT5

AWO antenna cable L = 5 m.



AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



AF.S

Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.

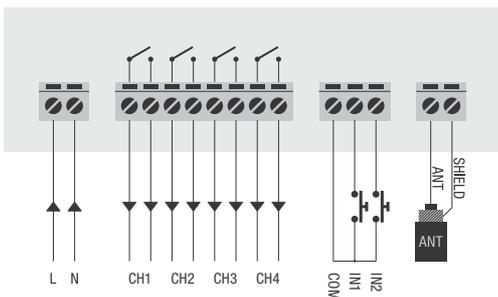


ONE.4WB

UNIVERSAL RECEIVER | 4 CHANNELS



- 4-channel receiver with wide-range power supply (115÷230 VAC/DC) and triple coding: Advanced Rolling Code, Rolling Code and Fixed Code
- The new ARC coding guarantees maximum security due to the length of the transmitted code (128 bit) and the high number of possible combinations
- The first transmitter associated sets the type of coding accepted by the receiver
- Compatible with the Advantouch programmer, which permits simple, quick management of systems with many users, as well as updating of firmware of the receiver
- Equipped with cabled inputs, 4 230V 5A relay outputs and a removable EEprom memory device with 512 codes
- Possibility to set the type of contact to use in the inputs (NO or NC)
- The output relay switching types can be set as monostable, bistable or time-phased
- Possibility to set a password on the display to guarantee maximum security against tampering by third parties
- The new “rEcn” function permits consultation and viewing of the positions of memorised transmitters and then to proceed to delete individual transmitters easily and quickly
- “SAFE” operation logic can be activated on alarm systems: channel 1 activates only if pressed for over 3 sec



MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



RG58 MT5

AWO antenna cable L = 5 m.



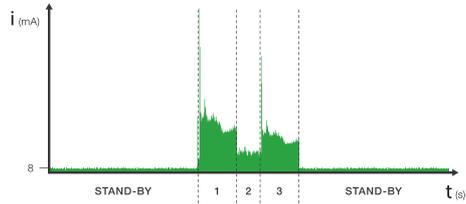
ESA BASIC



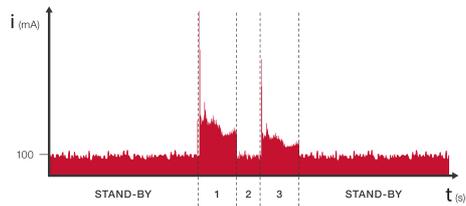
UNIVERSAL RECEIVER | 4 CHANNELS



TYPICAL TREND OF POWER ABSORPTION WITH ESA SYSTEM ACTIVATED ON BULL624ESA MODEL

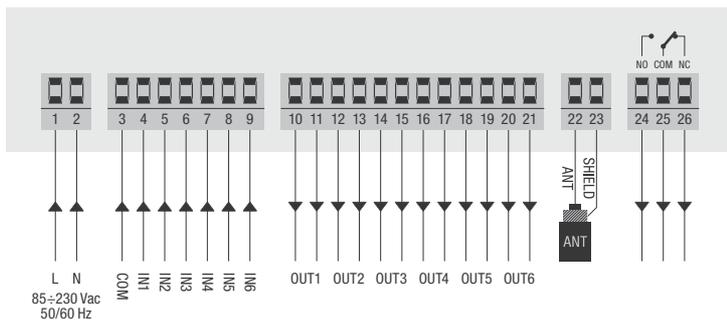


TYPICAL TREND OF POWER ABSORPTION WITH ESA SYSTEM DEACTIVATED ON BULL624ESA MODEL



1. OPENING PHASE 2. TCA 3. CLOSING PHASE

- System that allows the reduction of electricity use through a device that can be applied to all new or existing automation systems, made by BENINCÀ or other manufacturers. This allows any user to adapt their automation systems to accommodate modern energy saving practices
- The ESA control unit is connected to the automation system to permit lower power consumption in stand-by mode, perfectly in tune with the new European directive
- ESA SYSTEM is a BENINCÀ project (patent pending)
- The system allows having a great energy saving even during stand-by mode
- Maximum flexibility thanks to triple coding, Advanced Rolling Code, Rolling Code and Fixed Code





ONE.2WB-MS



RECEIVER WITH TRIPLE CODING TO CREATE “MASTER” TRANSMITTERS



Training

Find out more
by visiting the
FAQ page.

- 433.92 MHz Receiver with power supply 12÷28 Vdc / 21÷28 Vac , 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, in box; it makes possible to create “master” transmitters to protect the receiver from tampering
- There are two levels of security applicable to the system: maximum security, it involves the exclusive use as “master” of any transmitter set with ARC coding (AK, VA, A series) and basic safety, also using TO.GO4-MS series transmitters as “master”. In this second case, by using this special type of transmitter it is possible to create copies of the master and associate a different master for each channel, managing up to 4 master with a single transmitter
- The procedure for transforming a transmitter into “master” is quick and easy. It is possible to associate the role of master to a transmitter, set with ARC coding, only after having memorized it inside the receiver. At the time of storage it is also necessary to associate the channels of the receiver. The slave transmitters, subsequently enabled by the master to open the system, will have the same channels authorization as the original master
- It is possible to associate the role of “master” to a maximum of three transmitters already stored in the receiver, in both the chosen security levels
- Compatible with the Advantouch programmer, it is possible, by transmitting the code of a “master” transmitter, to read or write the list of remote controls, to manage the memory of the receiver and to enable other remote controls as “master” transmitters by copying the relative code. The last functionality is particularly useful in the case of installations set with the maximum security level. In the event of loss of the master transmitter, the backup of the receiver through Advantouch allows you to recover the data and programme a new transmitter with the same code as the lost master
- The insertion of slave transmitters for controlling the automation can take place in two ways: remotely by using the “master” radio control and an AK series transmitter, or physically by going to the system and using the master transmitter to open the receiver’s memory. This procedure is valid using, as master, both transmitters of the series A, VA, and AK and the TO.GO4-MS models.



TO.GO4-MS

4-channels transmitter with coding that allows, after storing the transmitters in the ONE.2WB-MS receiver, to duplicate the transmitter that has become master as many times as desired. Up to a maximum of 4 master remote controls can be associated to each TO.GO4-MS transmitter.



KONE2WB-MS

Kit composed of 1 x radio receiver ONE2WB-MS and 3 x 2-channel transmitters TO.GO2VA with Advanced Rolling Code and Rolling Code.



MEM2048

Additional memory for up to 2048 codes. For receivers of the ONE series.



AWO

433.92 MHz antenna for external installation with IP54 box, fitted with shielded RG58 5 m cable.



AW

433.92 MHz stylus antenna for external installation, equipped with a shielded 3m RG58 cable.



AF.S

Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



ADVANTOUCH

PROGRAMMING SYSTEMS

PRODUCT BEING PHASED OUT



- Display touch screen of 4.3"
- Simple and intuitive to use, with the option of managing and creating lists of transmitters directly on the device, without using the PC, thanks to the internal memory
- Maximum simplicity in transmitter insertion, deletion or disabling and in database creation
- It configures parameters and manages logic of control units
- Used to update control unit software or the controller itself, directly, simply and quickly
- Maximum security ensured by a password that locks the receiver
- Simplified management of transmitters and receivers with multiple channels, with quick association between buttons and channels
- Compatible with 433.92 MHz transmitters and receivers with rolling code, programmable code, and ARC encoding
- Support for USB devices

□ INCLUDED ACCESSORIES

**BE.USB**

8 GB memory stick.

**USB.C**

Cable to connect ADVANTOUCH to network power supply and PC.

**C1**

Connection cable for control unit software update.

**C2**

Connection cable for control unit software update.

**C3**

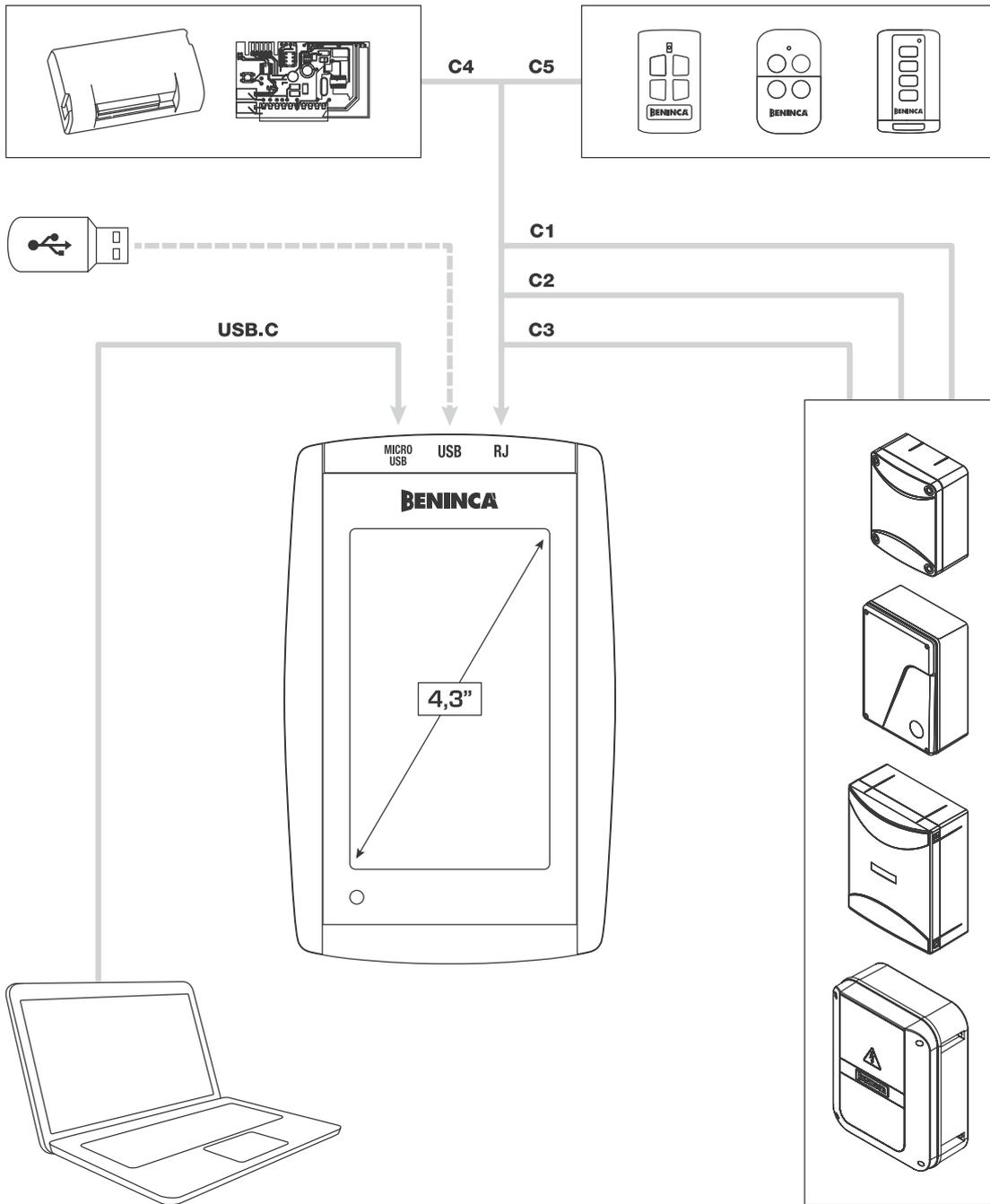
Serial cable to connect control units and programming, configuration of parameters or operating logic.

**C4**

Connection cable for receivers programming.

**C5**

Radio control programming and transmitters and control unit memory reading board.





WARNING DEVICES AND SIGNALS

SIGNAL AND COMMAND

flashing lights

IRI.LAMP
IRI.LAMP-Y
STAR
LAMPY
XLB.L

digital keypad

IRI.KPAD INOX
IRI.KPAD
IRI.KPAD-C
BE.CODE
BE.PLAY

key selector

TOKEY
TOKEY.E
TOKEY.I
CH

push buttons

PNO
PNC
IPB.NO
IPB.NC

transponder devices

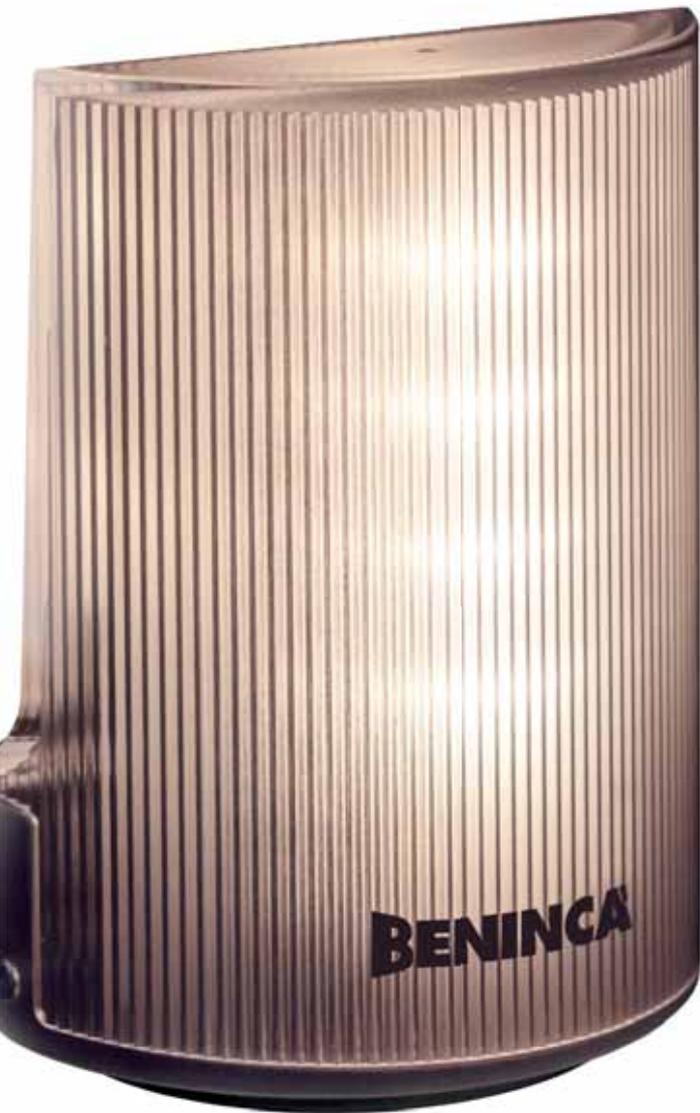
TEO
TEO CARD
BE.PROXY
BE.READ


**DETECTION
AND SAFETY
DEVICE**

photocells & accessories	photocells	PUPILLA.B PUPILLA PUPILLA.T FTC.S PIXEL KREX IRI.CELL
	columns	POL.05 POL.12 COL05N COL10N COL12N COL.P COL.BY
safety devices	laser sensors	LSR.D50 LSR.D99 LSR.B
	conductive safety edge	RF.SUN RF SC.RF SC.RES SC.90 SC.L SC.EN
	mechanical safety edge	SC.R15 SC.R71 SC.R72 SC.M71 SC.M72 SC.F15 SC.F20 SC.F25
	pneumatic safety edge	SC.P35
	instruments for the measuring of the impact- generated forces	BLUE FORCE SMART PRO



FLASHING LIGHTS



- 12 ÷ 255 Vac / 14 ÷ 255 Vdc flashing light with built-in antenna
- The flashing light stands out for its lines of horizontal light guaranteed by a reflective internal element, the positioning of the LEDs and the pattern of the outer cap
- The presence of the internal reflective element, in addition to offering the possibility of having the flashing light in the orange version, it diffuses uniformly the light guaranteeing the maximum aesthetic effect
- Quick and easy to install thanks to its small dimensions and to the cable access possible from the bottom or alternatively on the back
- Can be attached to the wall or, in the case of pillars with projections, using an AF.S spacer accessory





IRI.LAMP

Flashing white light, 20 ÷ 255 Vac/dc with integrated antenna. Equipped with a flashing function as a standard feature, but can also be installed in systems that already have this function (useful for maintenance of older systems). Reduced energy use thanks to one of the lowest absorbed power figures on the market (1 W). Option of wall mounting thanks to a bracket included in the package. Fast and easy to install, IRI.LAMP can also be set up as a fixed light.



IRI.LAMP-Y

Flashing yellow light, 20 ÷ 255 Vac/dc with integrated antenna. Equipped with a flashing function as a standard feature, but can also be installed in systems that already have this function (useful for maintenance of older systems). Reduced energy use thanks to one of the lowest absorbed power figures on the market (1 W). Option of wall mounting thanks to a bracket included in the package. Fast and easy to install, IRI.LAMP can also be set up as a fixed light.



STAR

Flashing light 12 ÷ 255 Vac / 14 ÷ 255 Vdc with integrated antenna.



LAMPY

Flashing light 12 ÷ 255 Vac / 14 ÷ 255 Vdc with integrated antenna.



XLB.L

Flashing light with 24 Vdc power supply. Option of mounting in the XLB box or externally. Intermittent or fixed signal lighting can be selected. Requires antenna.



RG58 MT5

AWO antenna cable L = 5 m.



AF.S

Column fixing bracket for STAR flashing light and AW antenna. The accessory can also be used for the antenna only.



STAR.ORANGE

Reflective orange internal element for STAR flashing light.



DIGITAL KEYPAD



- Vandal-proof digital keypad with aluminium casing, polished glass-effect front panel and chrome-plated mechanical metal buttons with LED back-lighting
- Quick and easy to install IRI.KPAD comes in two versions, wireless and wired. For both versions, an access password can be set to protect the system from unauthorised persons changing the settings
- Acoustic and visual confirmation feedback provided by dual coloured central LED
- Option of setting a 3-minute keypad block after 5 attempts

Wired version:

- Possibility to function in two modes, stand alone or remote control
- Direct connection of the keypad to the control unit (stand alone) allows the memorisation of 30 PINs
- Remote control mode, with connection of the keypad to the BE.REC accessory, allows the memorisation of up to 254 PINs and guarantees maximum security against intrusion
- There is no need to wake it up

Wireless version:

- Management of three different types of coding: Advanced Rolling Code, Rolling Code and Fixed Code
- Can memorise up to 254 PINs
- Manages Administrator PIN and User PIN to allow maximum flexibility in configuration and simple installation (personalisation of PINs for different users, deactivation of individual users, activation without the need to intervene on the receiver)
- Equipped with 3.6V (1400 mAh) lithium battery ensuring a long lifespan
- It is possible to use the IRI.KPAD as a proximity switch by sending a command to wake up the keypad
- Free Air Delivery 100 m



Find out the products of the IRIDE line. Watch the videos.



IRI.KPAD INOX

Battery-operated wireless vandal-proof digital keypad (3.6 V 1/2 AA) with stainless steel front panel. With alert buzzer and backlit buttons. Triple coding: Advanced Rolling Code, Rolling Code and Fixed Code. It can memorise up to 254 PINs. Green (OK) and Red (KO) LED indicator lights.



IRI.KPAD

Battery-operated wireless vandal-proof digital keypad (3,6 V 1/2 AA). With alert buzzer and backlit buttons. Triple coding: Advanced Rolling Code, Rolling Code and Fixed Code. It can memorise up to 254 PINs. Green (OK) and Red (KO) LED indicator lights.



IRI.KPAD-C

Wired 12/24 Vac/dc vandal-proof digital keypad. With alert buzzer and backlit buttons. 30 storable PINs in stand-alone mode, 254 storable PINs with the BE.REC accessory. Green (OK) and Red (KO) LED indicator lights.



BE.CODE

Battery-operated wireless digital keypad (3 V CR123A). Numerical membrane keys to guarantee maximum activation sensitivity. Triple coding: Advanced Rolling Code, Rolling Code and Fixed Code. It can memorise up to 254 PINs, manage Administrator and User PINs, and provide the option of memorising User PINs at a later time without working on the receiver.



BE.PLAY

Vandal-proof wired digital keypad in metal, with illuminated numerical keys in stainless steel. Requires BE.REC decoder. Memorizes up to 250 PIN.



ONE.2WO

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code, Rolling Code and Fixed Code, with outdoor IP54 box. 512 memorisable codes.



ONE.2WB

433.92 MHz receiver with power supply 12÷28 VDC / 21÷28 VAC, 2 channels with triple coding: Advanced Rolling Code and Rolling Code, in box. 512 memorisable codes.



BE.REC

24 Vac/dc 2 channels decoder for BE-PLAY. Operating mode: bistable or time. It is possible to connect up to 4 BE-PLAY. Relay output max 500 mA Memory capability up to 254 codes.



KC-BEPLAY

Adapter for BE-PLAY digital pad on COL10N / 12N columns.



COL10N

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m

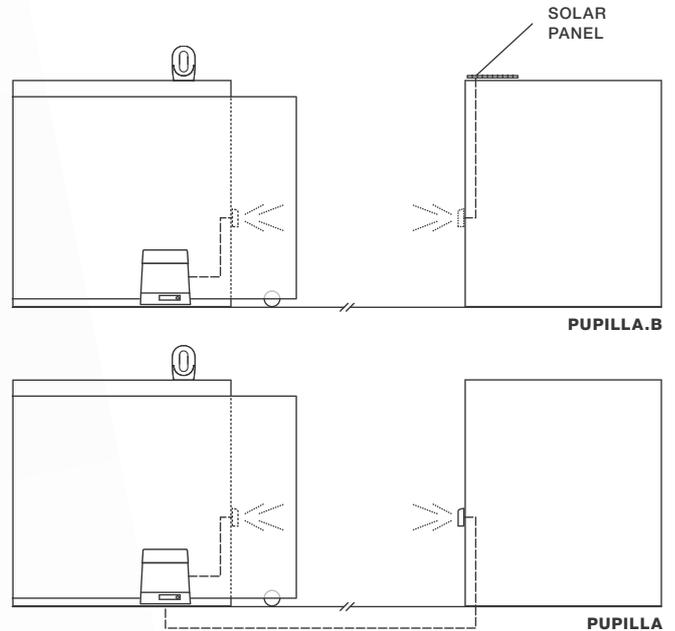


COL12N

Pair of disassembled columns equipped with base and support for keypad PNO/PNC, photocell FTC.S and proximity reader BE.PROXY. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



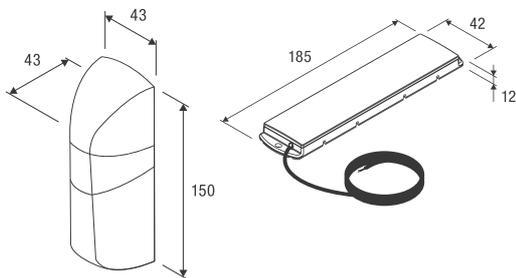
PHOTOCELLS



PUPILLA.B

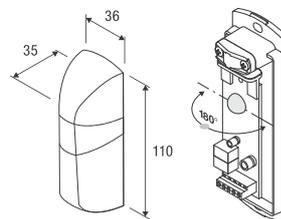
- Photocell's transmitter powered by battery
- The innovative battery charging system using a photovoltaic panel represents an authentic novelty distinguishing PUPILLA.B, guaranteeing maximum safety and perfect operation to any plant
- Possibility of connecting up to 2 photovoltaic panels in case of non optimal climate conditions
- Continuous operation without any need of maintenance
- PUPILLA.B allows compliance with safety regulations even on installations that do not have incorporated safety systems thanks to the transmission of the controls even on moving gates
- The photocells can be oriented in different directions to make installation even easier

□ PUPILLA.B



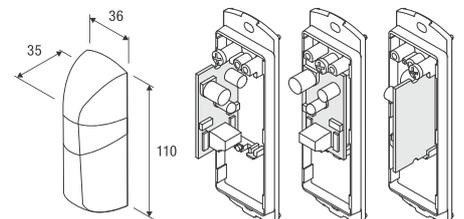
□ PUPILLA

Rotation through 180° allows the alignment of the photocells irrespective of the way they are fixed to the base.



□ PUPILLA.T

Allows the circuit to be adjusted in three positions as shown in the drawing below.





PUPILLA.B

Pair of externally fitted photocells, turning through 220°, photovoltaic panel to charge transmitter battery. Presence of LED with diagnostic function.



PUPILLA

Pair of photocells adjustable to 180°, 22 ÷ 30 Vac / 20 ÷ 28 Vdc power supply. Possibility to synchronise up to 4 pairs. Easy adjustment through a LED that signals optimal alignment.



PUPILLA.T

Pair of adjustable photocells with three positions, power supply 14 ÷ 30 Vac / 12 ÷ 30 Vdc. Option to mount 2 pairs close together without synchronization.



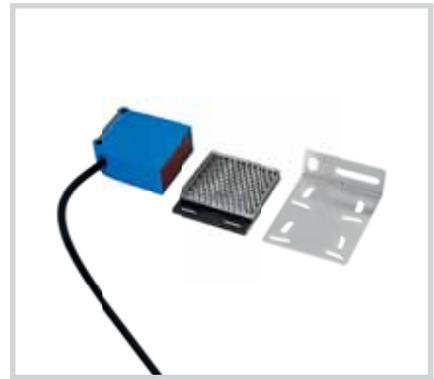
FTC.S

Pair of photocells for external mounting on post, 24 Vac/dc power supply. Option to synchronise up to 4 pairs.



PIXEL

Pair of photocells for recessed mounting, 24 Vac/dc power supply. Option to synchronise up to 4 pairs. P.PD not included.



KREX

Compact photocell with double lens equipped with reflector, 24 ÷ 240 Vac/dc power supply. P.PD not included.



IRI.CELL

Pair of vandal-proof metal covers for PUPILLA/PUPILLA.T photocells, comprising front and rear shells with concealed screw. They can maintain perfect orientation over 180°.



SF

Lateral support for FTC.S photocells. **2 pcs packing.**



KB.FTCS

Mounting support for new series of FTC.S photocells, ideal to install on BISON series motors and EVA, LADY, VE.650 road barriers. **Package of 10 pcs.**



KC.FTCS

Mounting support for new series of FTC.S photocells, ideal to install on columns. **Package of 10 pcs.**



P.PD

Plastic built-in mounting box for PIXEL. **Package of 6 pcs.**



TRANSPONDER DEVICES



- TEO SYSTEM, the new proximity scanning and management system for opening residential and professional automations by means of transponder tags (TEO) or cards (TEO CARD)
- The automation is opened when the TEO transponder approaches the BE.PROXY scanner which, dialoguing with the receiver, gives the command to open the gate, the door, or any controlled device
- The system operate with a frequency of 13.56 MHz, standardised all over the world
- 250 memorisable cards or tags (TEO, TEO CARD)
- Reading distance 2-5 cm
- 2 programmable relay output channels
- Possibility to control one of the two relay outputs with a card, or both outputs with a single or double passage of the card or tag
- Possibility to memorise the cards and tags one by one with the BE.READ, or in remote mode with the BE.PROXY, using a master card

**TEO**

Transponder device in the shape of a key holder.
Packaging: 10 pcs.

**TEO CARD**

Transponder device in card format.

**BE.PROXY**

Proximity reader for TEO/TEO CARD externally fitted, to be used with the BE.READ receiver. Reading distance 2-5 cm.

**BE.READ**

Two-channel receiver for BE.PROXY reader. With two relay outputs. Timed or bistable operating mode. Memory capacity 250 cards/tags.



PUSH BUTTONS



PNO

Surface mounting push buttons with 2 normally open contacts. To be fitted on COL10N pillar.



PNC

Surface mounting push buttons with a normally open contact and a normally closed contact. To be fitted on COL10N pillar.



IPB.NO

Industrial surface mounting push buttons with 2 normally open contacts.



IPB.NC

Industrial surface mounting push buttons with a normally open contact and a normally closed contact.



COL10N

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



KEY SELECTOR



TOKEY

Surface mounting key selector.



TOKEY.E

Surface mounting key selector with European cylinder.



TOKEY.I

Built-in mounting key selector. IP67 Water proof limit switch.



CH

Key selector, in die-cast aluminium with waterproof micro switches. KE or KI accessories are required for different way of fittings.



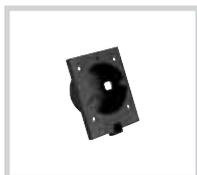
COL10N

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



KE

Surfaced mounted box for CH key selector switch.



KI

Built-in mounted for CH key selector.



ID.SK

Neutral key for CH/TOKEY.



COLUMNS



POL.05

Pair of disassembled columns, not premounted, equipped with base and bracket for PUPILLA photocells. Option of installing and orienting up to 2 pairs of photocells.
H= 0.5 m



POL.12

Pair of disassembled columns, equipped with base and bracket for PUPILLA photocells. Option of installing and orienting up to 4 pairs of photocells.
H= 1 m



COL05N | COL12N

Pair of disassembled columns equipped with base and support for keypad PNO/PNC, photocell FTC.S and proximity reader BE.PROXY | BE.PLAY can be installed with KC-BEPLAY accessory.
COL05N: H= 0.5 m
COL12N: H= 1 m



COL10N

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. BE.PLAY can be installed with KC-BEPLAY accessory.
H= 1 m



COL.P

Pair of columns with base and lid, for PUPILLA/PUPILLA.T photocells.
H= 0.5 m



COL.BY

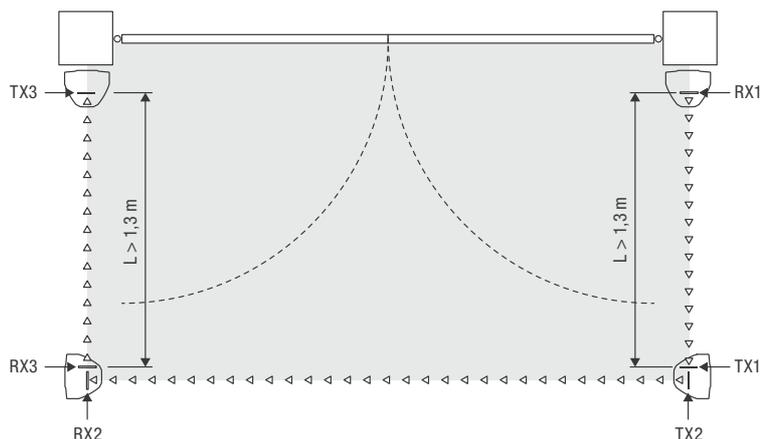
Pair of columns in anodized aluminium with base, for PUPILLA/PUPILLA.T photocells.
H= 0.5 m



CEM

Counterplate to be cemented for COL10N base.

EXAMPLE OF PERIMETER PROTECTION WITH POL.05/12



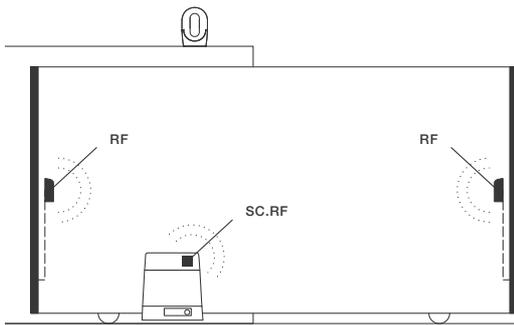


RF.SUN

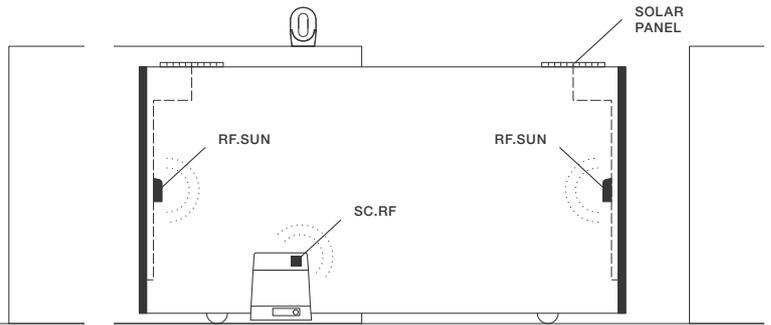
RF

SC.RF

□ RF + SC.RF APPLICATION



□ RF.SUN + SC.RF APPLICATION



- New BENINCA radio frequency system composed of an 868 MHz transmitter, model RF / RF.SUN combined with the SC.RF receiver
- It allows two-way radio communication between the device installed on the mobile edge of the gate and powered by a battery (connected to a safety sensitive edge) and the receiver
- The absence of wires on the mobile gate device makes it particularly suitable for sectional and industrial doors and for the protection of mobile edges on sliding gates
- The transmitter is available in two models: RF.SUN with a rechargeable battery by means of a photovoltaic panel and RF with a non rechargeable battery
- Both models have an input for the connection of an 8K2 sensitive edge or a mechanical edge, protection level: IP55
- The SC.RF receiver, powered with 12/24 Vdc, is equipped with an autotest function and 2 relay for connection to the electronic control units
- The new BENINCA device therefore allows the securing of industrial systems, without requiring connection cables in the mobile part of the gate and thus making installation easier on existing systems
- Complies with standard EN12978



RF.SUN

868 MHz Battery-operated system recharged through a photovoltaic panel to be applied on a mobile edge. The photovoltaic panel grants the maximum system's autonomy.



RF

Device with non-rechargeable battery to mount on a safety edge. Battery guaranteed to last 2 years.



SC.RF

Receiver for safety edge 12/24 Vdc with self-testing function. n.2 outputs for connection to electronic control units.



LASER SENSORS



LSR.D50

Laser control and safety sensor for industrial doors, certified EN12453 type E. Adjustable Detection area up to 5.5x5.5 m.



LSR.D99

Laser control and safety sensor for industrial doors, certified EN12453 type E. Adjustable Detection area up to 9,9x9,9 m.



LSR.B

Laser control and safety sensor for barriers, certified EN12453 type E. Adjustable Detection area up to 9.9 m x 9.9 m.



LZR

Vandal-proof bracket for mounting on road barriers, compatible with LSR.B sensors.



LZR-BA

Column or ceiling-mounting bracket for LSR series sensors.



TX.LSR

Remote control for the adjustments of LSR sensors.



SAFETY DEVICES



SC.RES

Safety edge in conductive rubber.
28.5 mm Width. 25 mm Height.
Minimum packing: 20 m.



SC.R15

Rubber profile, 15 mm high,
for SC.M71 / SC.M72 / SC.A.
Packing: 25 m.



SC.A

Aluminium profile for SC.RES / SC.R15.
Packing 2 m.



SC.90

Angular device set for SC.RES.



SC.L

Linear device set for SC.RES.



SC.EN

Electronic interface card for 8k2 sensitive edges, to be used with electronic devices without input for resistive sensor, or in the case of connecting 2 resistive sensors to a control unit. Conforms to standard EN12978.

□ INSTRUMENTS FOR THE MEASURING OF THE IMPACT-GENERATED FORCES



BlueForce Smart Pro is a state-of-the-art measuring instrument designed to assess conformity and acquire CE certification for gates and motorised doors. Its distinctive features include a GSM and GPS interface for maximum IoT connectivity, fast data transmission to the Cloud portal and compatible web devices such as PCs, smartphones and tablets. In addition, the instrument offers the possibility of assigning measurement references compliant with the regulations, evaluating parameters according to EN12453 and accurately measuring continuous thrust force. BlueForce Smart Pro is a guarantee of excellence when it comes to measurements for gates and motorised doors.

**SC.R71**

Rubber profile, 70 mm high,
for SC.M71. 1.5 m long.

**SC.R72**

Rubber profile, 70 mm high,
for SC.M72. 2 m long.

**SC.M71 | SC.M72**

Mechanical safety edge, 1.5 m.
Mechanical safety edge, 2 m.
Compatible with
SC.R15 / SC.R71 / SC.R72.

**SC.P35**

Pneumatic safety edge with
plugs and aluminium profile.
Packing: 40m.

**SC.F15 | SC.F20 | SC.F25**

Mechanical safety edge, 1.5 m long.
Mechanical safety edge, 2 m long.
Mechanical safety edge, 2.5 m long.

ALPHABETIC CATALOGUE

								
ADAM	9591905	114	BILL40M [R]	9592124	44	BULL.P-1	962302600	63
ADAM.B	9099004	115	BILL50.CO	9253002	45	BULL.P-3	9623006	63
ADAM.BL	9099005	115	BILL50M [L]	9592103	44	BULL.PI	9623005	73
ADAM.LED	9550000	115	BILL50M [R]	9592102	44	BULL1024SE	959003979	64
ADAM24	9591906	114	BISON.P35	9623066	89	BULL1024SE.S	959003987	64
ADVANTOUCH	9655050	208	BISON.P45	9623067	89	BULL10M	9592323	72
AF.S	981903793	182	BISON25 OTI	959002853	86	BULL10M.S	9592317	72
AU.125	9623003	95	BISON35 OTI	9592181	88	BULL1224 TURBO	9592656	74
AU.20	9623002	95	BISON35 OTI L	959103005	88	BULL1224 TURBO.S	959000976	74
AU.45B	9117010	95	BISON45 OTI	959002868	88	BULL1224T.CB	976000964	75
AU.45BL	9117011	95	BLUEFORCE SM. PRO	984003358	224	BULL1524SE	959002634	78
AU.45Z	9868030	95	BN.24V	9760073	182	BULL1524SE.S	959002904	78
AU.45ZL	9868040	95	BN.CB	9760072	49	BULL15M	9592324	72
AU.65	9623004	95	BN.SE	909000703	49	BULL15M.S	9592318	72
AU.C25	9099021	97	BOB.CS	9765040	27	BULL17 OMI	9592569	80
AU.MS25	9558020	97	BOB.SL	9819004	29	BULL17 OMI.S	959201445	80
AU2.45T	9868015	95	BOB.SN	981903710	27	BULL20 HE	959000924	82
AU2.C	9099057	95	BOB2124.DK	959103046	32	BULL20 HE.S	959001492	82
AU2.D	9099058	95	BOB21M	9591534	26	BULL20M	9592325	82
AU2.D45	9099059	95	BOB3024E	9591447	28	BULL20M.S	9592339	82
AU2.D45L	9099055	95	BOB3024E.DK	959103060	32	BULL20T	9590578	82
AU2.DNS	9099056	95	BOB30M	9591535	28	BULL424SE	959003654	64
AW	907600922	182	BOB30ME	9591446	28	BULL424SW	959001893	62
AWO	9076062	182	BOB30ME.DK	9592623	28	BULL624 TURBO	9592632	68
B.P	9819005	27	BOB5024E	9591328	30	BULL624 TURBO.S	959000904	68
B.SR	9819310	27	BOB50M	9591022	30	BULL624SE	959002693	64
B3.SR	981903709	27	BOB50ME	9591023	30	BULL624SE.S	959003637	64
B5.SR	981900931	31	BOB50ME.DK	959000696	30	BULL624SW	959002765	62
BA	9099053	49	BRAINY	9176213	140	BULL624T.CB	976000963	65
BE.CODE	9670002	215	BRAINY.P	9176252	140	BULL6M	959003951	66
BE.PLAY	9670013	215	BRAINY24	9176224	149	BULL6ME	959003952	66
BE.PROXY	9614250	218	BRAINY24 PLUS	917603712	148	BULL8 OM	9591523	70
BE.READ	9673010	218	BRAINY24.CB	9760014	29	BULL8 OM.S	9591497	70
BE.REC	9673028	215	BRAINY24.CB-SW	976000841	29	BULL8M	9591522	70
BILL30.CO	9253001	45	BRAINY24.P	917600973	149	BULL8M.S	9591524	70
BILL30M [L]	9592101	44	BS	9099052	51	CABLE.VN.ESW 11	9171130	109
BILL30M [R]	9592100	44	BT12	9086010	193	CABLE.VN.ESW 5	9171128	109
BILL40.CO	9253003	45	BT2.BAT	908602344	65	CABLE.VN.ESW 8	9171129	109
BILL4024 [L]	9592563	44	BT6.BAT	908602345	75	CABLE.24E	9171002	27
BILL4024 [R]	9592562	44	BULL HE REVERSE	959001760	76	CABLE.L10	979002435	119
BILL40M [L]	9592125	44	BULL.CA	914401906	73	CABLE.L6	979002434	119

								
CAT.20	954902401	119	DU.9990	9623010	27	HAPPY.2VA	9863202	199
CAT.29	954902402	125	DU.E2	9099011	53	HAPPY.4AK	9863205	201
CAT.55	954902403	133	DU.FCN	9567015	57	HAPPY.4VA	9863203	199
CBY.24V	9760016	51	DU.FXE	909902774	55	HB	9252014	183
CELL.P	9176142	145	DU.IT14N	9590162	56	HEADY	9176217	141
CEM	9623565	221	DU.IT14NE	9592372	56	HOOP	917600649	190
CH	9764012	220	DU.IT14NV	9591278	56	I.HOOP	976000651	190
COL.BR	9585000	138	DU.IT14NVE	9592373	56	ID.SK	F8189060	220
COL.BY	9230042	221	DU.IT24NVE	9591457	56	IPB.NC	9670050	103
COL.KSUN	9252060	138	DU.ITCF	9150043	57	IPB.NO	9670051	103
COL.P	9230006	221	DU.ITCF-BL	915002570	57	IRI.CELL	9252070	217
COL05N	9230002	221	DU.ITIX	9150039	57	IRI.KPAD	9760033	215
COL10N	9230004	215	DU.ITST	9747027	57	IRI.KPAD INOX	976002413	215
COL12N	9230003	215	DU.V90	9765030	27	IRI.KPAD-C	9760032	215
CORE	9176136	142	DU.V96	9765035	27	IRI.LAMP	9534011	213
DA.2S	9760100	142	DUIT.BR-L	900503727	57	IRI.LAMP-Y	9534012	213
DA.BT18	9086004	138	DUIT.BR-R	900503726	57	IRI.TX4AK	9863208	203
DA.BT2	9086019	51	E.LOCK	9765001	27	IRI.TX4VA	9863198	203
DA.BT6	9086020	51	E.LOCKSE	9765002	27	J.LOCK	976502436	103
DA.E	9760035	135	ESA BASIC	9176108	206	JACK.BAT	952002537	103
DA.LB	9230031	29	EVA.5	9083120	122	JACK24.50	959001493	102
DA.RB	9760042	135	EVA.7 [L]	908301489	124	JACK24.80	959001494	102
DA.SO4	9176005	135	EVA.7 [R]	9083121	124	JACK24.CB	952001932	103
DIVA.3	908301853	118	EVA.8 [L]	908301483	126	JK.UL	9747065	97
DIVA.5	908302311	120	EVA.8 [R]	9083235	126	JM.3	959201416	96
DIVA.FAN	987903683	119	EVA.AF	9078035	119	JM.3ESA	9592382	98
DIVA.TL	917602416	119	EVA.LAMP	9534003	123	JM.3ESA TURBO	9592417	100
DIVA3.AB	966702213	119	EVA5.A	9081005	123	JM.4	959202861	96
DIVA3.AL	966701948	119	EVA5.A2	9081007	123	JM.4ESA	9592383	98
DIVA5.A	908103526	121	EVA5.G	9424002	123	JM.CBY	9760023	99
DIVA5.A2	908103527	121	EVA7.A	9081006	125	JR.BR	983001919	97
DU.350CF	9150021	59	EVA7.A2	9081008	125	KB.FTCS	983001915	217
DU.350CF-BL	915002571	59	EVA7.G	9424003	125	KBILL30M	9598193	44
DU.350FC	9567001	59	EVA8.A2	9081029	127	KBILL4024	959003993	44
DU.350FX	959002775	54	FC.ADAM	9387003	115	KBILL40M	9592190	44
DU.350IX	915003690	59	FLIP.2	9560010	198	KBN24	959001933	48
DU.350N	9590695	58	FLIP.4	9560011	198	KBOB2124.DK	959003464	32
DU.350NGE	9592374	58	FTC.S	940902696	217	KBOB21M	9598097	26
DU.350NV	9590753	58	G.MOVE	976000650	191	KBOB3024E.DK	959003487	32
DU.350NVE	9592029	58	GNT.SN	978003684	121	KBOB30M	9598101	28
DU.350ST	9747084	59	HAPPY.2AK	9863204	201	KBOB30ME.B	9598106	28

								
KBULL424SE	959003665	64	LED.AL8	953402835	125	PR.45EL	9590685	52
KBULL424SW	959002462	62	LED.TL	9766003	119	PR.BSL	909901562	53
KBULL624SE	959003638	64	LOGICA	9176244	144	PR.BSR	909901566	53
KBULL624SW	959003503	62	LOGICA24	917600974	152	PR.PL	962301565	53
KBULL624TURBO	959000902	68	LSR.B	967401929	223	PR.SN	909901490	53
KBULL6M	959003953	66	LSR.D50	967401930	223	PRO.UP	976002551	191
KBULL6ME	959003954	66	LSR.D99	967401931	223	PTC.3	9667019	97
KBULL8M	9598116	70	LZR	981903391	223	PTC.3 9B	966701510	97
KBULL8OM	9598119	70	LZR-BA	981902432	223	PTC.4	9667020	97
KC-BEPLAY	9005015	215	MAG.E	9760021	67	PTC.AR	9623399	97
KC.FCFS	983001769	217	MARK	959002795	92	PTC.STOP	9387002	97
KE	9252005	220	MARK.BR	981903497	93	PTCI.3	9667021	97
KI	9252008	220	MARK.C10	909903035	93	PTCI.3 9B	966701511	97
KMB24	9598471	50	MARK.C6	909903034	93	PTCI.4	9667022	97
KONE2WB-MS	952001928	207	MARK.D	909903037	93	PTCI.4 9B	966703413	97
KPC	9855002	144	MARK.MS	955803039	93	PTCL.3 9B	966702191	97
KPO	9855001	144	MARK.P160	962303118	93	PTCL.4	9667023	97
KPR	9598783	52	MARK.P49	962303119	93	PTCR.STOP	938702204	97
KPR24.B	9592076	52	MARK.SC	959002796	92	PTCSXL.4	9667024	97
KREX	940901813	217	MARK.T180	986803038	93	PUPILLA	940901764	217
KSAM	959002578	46	MARK.T22	986803063	93	PUPILLA.B	9409006	217
KSUN	9611004	139	MATRIX	9176324	143	PUPILLA.T	940901763	217
KTOM3024E	959003362	34	MB.CP2	9623050	51	RF	9409016	222
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GENERAL TERMS OF SALE

These Terms of Sale apply to all Sales of Products, at the time of signing the contract or of confirming the order. If there is a conflict between these Terms and the conditions and terms agreed for an individual sale or in any existing commercial contract, the latter will prevail. AUTOMATISMI BENINCÀ shall not be bound by the General Terms of Purchase of the Customer in any circumstance, unless it has given prior consent in writing. AUTOMATISMI BENINCÀ has the right to modify any article in these Terms; any additions, modifications or cancellations shall apply to all sales concluded as from the thirtieth day after the official communication to Customers of the change made.

DEFINITIONS

- AUTOMATISMI BENINCÀ: the joint stock company Automatismi Benincà S.p.A., in the person of its legal representative pro tempore, with head office in Italy, Sandrigo, Via Capitello no. 45, VAT number 02054090242.
 - CUSTOMER: any subject (natural or legal person) who purchases the Products and who is not covered by the definition of Consumer according to the Consumer Code.
 - DATE OF DESPATCH: the date of the transport document.
 - PARTIES: means AUTOMATISMI BENINCÀ S.p.A. and the Customer.
 - PRODUCTS: are the Products listed in the catalogue of AUTOMATISMI BENINCÀ, latest version, with the described technical specifications. It is stressed that all illustrative material is merely indicative. The Products may be modified or taken out of production by Automatismi Benincà at any time.
- 1) PRICE OF THE PRODUCTS: The prices of the goods are those established in the price list in force at the time of order, which the Customer declares that he knows and accepts; the price list in force cancels all previous ones. AUTOMATISMI BENINCÀ SpA may modify the price list; this modification will be notified to Customers and will be applicable to orders received as from the thirtieth day after said communication. AUTOMATISMI BENINCÀ always reserves the right to modify the price list unilaterally, if said modification is required by circumstances beyond its control: in this case the variation may take effect immediately.
 - 2) TRANSPORT: The goods are sold ex works AUTOMATISMI BENINCÀ SpA- SANDRIGO (VI), as the term is defined in the Incoterms of the International Chamber of Commerce, in the most updated version. The parties may choose a different term, with an agreement in writing; whatever term they choose, it will be interpreted according to the latest version of INCOTERMS®. The goods travel at the Customer's own risk, even if sent carriage paid. No complaints are accepted five days after receipt of the goods, even with reference to any difference in the products with respect to the type and quantity indicated in the order. A complaint within the term may not give rise to cancellation or reduction of the order by the Customer, nor to any payment of compensation of any kind by AUTOMATISMI BENINCÀ SpA. Any return of goods for credit must be authorised beforehand by AUTOMATISMI BENINCÀ SpA and the goods must be sent carriage paid.
 - 3) RETENTION OF OWNERSHIP: The products shall remain the property of AUTOMATISMI BENINCÀ SpA until the date on which AUTOMATISMI BENINCÀ SpA receives payment of the entire price of the products supplied. In performing his activity, the Customer shall have the right to sell these products, or new products in which the ones supplied by AUTOMATISMI BENINCÀ SpA have been incorporated, in which case all the proceeds are to be transferred to AUTOMATISMI BENINCÀ SpA, up to the amount of the price owed by the Customer for the supply of the products. AUTOMATISMI BENINCÀ SpA shall have the right to notify the Customer of the revocation of the right to sell the Products in his possession and the ownership of which, under this clause of retention of ownership, has not yet passed to the Customer, if the Customer has remained in default for a period of more than seven working days with respect to the payment of any sum owed to AUTOMATISMI BENINCÀ SpA (as regards both these Products and any other goods or services supplied to the Customer by AUTOMATISMI BENINCÀ SpA). If AUTOMATISMI BENINCÀ SpA exerts the right contemplated in the previous paragraph, the Customer must place the products at the disposal of AUTOMATISMI BENINCÀ SpA who may access the Customer's premises to repossess them. While retention of ownership is pending, the Customer assumes the capacity, obligations and responsibilities of the keeper of the sold goods, according to art. 1766 and following articles of the Italian Civil Code. The Customer undertakes to fulfil all the obligations contemplated by the local laws to ensure that this clause of retention of ownership is valid and enforceable with third parties, making the required entries in any special register.
 - 4) ORDERS: The order is received by AUTOMATISMI BENINCÀ SpA without any commitment and subordinate to the possibility of supply of the raw materials necessary for production. Any total or partial non fulfilments cannot give rise to complaints and reserves for damages. If the Customer cancels specific orders for the production of Products not in the catalogue, he is required to pay AUTOMATISMI BENINCÀ SpA compensation amounting to 30% (thirty per cent) of the cancelled order, without prejudice to the right to claim further damages. The orders regularly accepted by AUTOMATISMI BENINCÀ SpA cannot be cancelled by the Customer without the consent of AUTOMATISMI BENINCÀ SpA in writing. Please, it should be noted that AUTOMATISMI BENINCÀ S.P.A. will not accept orders for less than € 100,00 (EUR one hundred/00) VAT excluded, after discount and freight charges.
 - 5) DELIVERY TERMS: The delivery terms run from receipt of the order and are expressed in terms of working days. They are indicative and not essential, according to art. 1457 of the Civil Code; consequently, any delays cannot give rise to claims for damages or to cancellation or reduction of the contract by the Customer.
 - 6) FORCE MAJEURE: Besides those contemplated by the Italian Civil Code, the causes of force majeure that prevent the activity of the AUTOMATISMI BENINCÀ SpA factory and justify delay or interruption of the fulfilment of contracts, relieving AUTOMATISMI BENINCÀ SpA of the responsibility for delays or non delivery of products, also include the following, as an example without limitation: atmospheric events, earthquakes, fires, national, local or factory strikes, interruptions in transports and communications, scarcity of energy and of the necessary raw material. Breakdown of the machinery and production plants.
 - 7) CONDITIONS OF PAYMENT: Payments must be made in Euro, with the terms and procedures indicated on the invoice. Payment in currency other than the Euro will be accepted only if agreed on beforehand in writing with AUTOMATISMI BENINCÀ SpA. If the Parties agree on payment by irrevocable documentary letter of credit, the same will be accepted by AUTOMATISMI BENINCÀ if sent at least sixty days prior to the date of delivery of the Products and if confirmed by an Italian bank approved by AUTOMATISMI BENINCÀ. After the set payment time, AUTOMATISMI BENINCÀ SpA may ask the Customer to pay interest due at the rate established by Legislative Decree 231/02. Once 5 (five) days have passed after the invoice falling due without payment having been made, AUTOMATISMI BENINCÀ SpA may suspend the execution and/or delivery of all other orders and cancel any similar sale or contract that may have been signed at that moment with the Customer. Any such measures undertaken by AUTOMATISMI BENINCÀ SpA do not give the Customer any right to claim compensation for damages.
 - 8) GUARANTEE: Automatismi Benincà offers a conventional guarantee with a duration of 30 months from the date of production marked on the product itself. After 30 months the Customer expressly renounces the right of recourse concerning the legal guarantee with respect to Automatismi Benincà S.p.A., according to art. 131 of the Consumer Code. This right, if exerted within the terms, will not, however, be recognised if the conformity defect depends on incorrect installation by the Customer. It is pointed out that the legal guarantee does not cover all the further circumstances that cannot be attributed to defects in manufacture and/or conformity of the goods. Moreover, in no case can the Customer activate the guarantee if the price of the products has not been paid within the terms and on the conditions agreed or if he is in default, even with reference to other orders or products, with respect to AUTOMATISMI BENINCÀ SpA. By activating the conventional guarantee, the customer may request the repair or replacement of the product, on which free repair or replacement is guaranteed, at the discretion of AUTOMATISMI BENINCÀ SpA, respecting the terms of this guarantee and of the legal requirements. Any defects found must be promptly communicated to AUTOMATISMI BENINCÀ by registered letter with recorded delivery and within the terms indicated by law. In no case does either the legal or the conventional guarantee cover defects due to: negligence or carelessness in use, wear (e.g. failure to follow the instructions for operation of the product or lack of maintenance), installation or maintenance carried out by non authorised personnel, or in an incorrect way and/or not conforming with the instructions; damage during transport, tampering with the product (for example, removal of the labels), tampering with documentation, external agents, undersized product or incorrect product choice. The products that do not fall under these guarantee conditions may be sent to AUTOMATISMI BENINCÀ SpA, who may decide to repair or replace the goods according to the repair price list in force. The individual part repaired under or out of guarantee will be covered by a further guarantee period of 6 months.
 - 9) RESPONSIBILITY: AUTOMATISMI BENINCÀ SpA shall not be responsible for damage resulting from defects in the products, save in the case of malice or gross negligence. Moreover, any responsibility shall derive only and absolutely from the provisions of Italian law. AUTOMATISMI BENINCÀ SpA shall not answer for more than the limit of liability of the Product Risk Insurance policy taken out by the company. AUTOMATISMI BENINCÀ SpA shall not be responsible for indirect damage such as, purely as an example, loss of earnings of the Customer.
 - 10) INTELLECTUAL PROPERTY RIGHTS: The brands of which AUTOMATISMI BENINCÀ SpA is the owner or licence-holder, the patents, the designs or models, the know-how, the technical specifications and data of the products, the domain names containing the brand, are the total and exclusive property of AUTOMATISMI BENINCÀ SpA. The Customer recognises the ownership of these rights by AUTOMATISMI BENINCÀ SpA and undertakes to use them only according to the specific indications of AUTOMATISMI BENINCÀ SpA and in the exclusive interest of the latter, and exclusively for the duration of the contractual relationship between the parties, without this giving the Customer any right or claim. The Customer undertakes not to register, appropriate or ask for protection for any intellectual property right belonging to AUTOMATISMI BENINCÀ SpA. In particular, he undertakes not to register and declares that he has not registered the brands and domain names.
 - 11) EXPRESS TERMINATION CLAUSE: Pursuant to and in accordance with art. 1456 of the Italian Civil Code, AUTOMATISMI BENINCÀ SpA may terminate the existing contract with the Customer in the case of non fulfilment of the obligations contained in the articles 7) Terms of Payment and 10) Intellectual property rights, of these terms of sale. Moreover, AUTOMATISMI BENINCÀ SpA may terminate the existing contract with the Customer with immediate effect in the following cases:
 - a) if the Customer is subject to insolvency proceedings or winding up, or if the state of the Customer's economic conditions is such as to lead it reasonably to be presumed that the Customer is insolvent;
 - b) if the shares and/or quotas representing the majority or the control of the capital of the Customer are directly or indirectly transferred, assigned or held in escrow.
 - 12) APPLICABLE LAW AND JURISDICTION: The obligations deriving from the relations between AUTOMATISMI BENINCÀ SpA and the Customer, these terms of sale and all the contracts (unless expressly stated otherwise in writing) are regulated by the Italian Civil Code and by Italian law. For any dispute and controversy concerning these general terms of sale or deriving from the contractual relationship between AUTOMATISMI BENINCÀ SpA and the Customer, the exclusive competent court shall be the Court of Vicenza, without affecting the faculty of AUTOMATISMI BENINCÀ SpA to protect its rights by referring the litigation to any Court that it thinks fit.
 - 13) PROCESSING OF PERSONAL DETAILS: Informed pursuant to Art. 13 of the European Regulation 679/2016, the Customer shall agree that personal data will be treated for purposes related to the business activity and the contractual obligations currently in force (as an example, consultation, usage, statistical processing, communication to companies contractually bound to Automatismi Benincà etc.). The data controller is AUTOMATISMI BENINCÀ S.P.A. in the person of its legal representative. Procedures shall be implemented to process the said data so as to guarantee security and confidentiality. The Customer is entitled to receive information about the treatment of personal data, its modality and purposes, and request amendment, correction and/or integration, and cancellation of said data. Personal data shall be communicated to third parties in Italy or abroad for purposes of fulfilling the above-mentioned objectives. The complete regulation can be consulted on the webpage <https://www.benincà.com/page/privacy.html>
 - 14) INTERPRETATION OF THE TEXT: The Italian text of these general terms of sale, even if drawn up in several languages, will be the only authentic text for the purpose of their interpretation.



CODE OF ETHICS AND ORGANISATIONAL MODEL

Benincà has adopted an Organisation, Management and Control Model in accordance with Italian Legislative Decree 231/2001 to confirm, also at institutional level, a corporate culture based on lawfulness and fairness in which no illegal conduct is permitted, even if committed in the company's interest or to its advantage. The OMM is therefore an essential corporate tool for controlling the company's decision-making and operational processes. It is also a coherent system of principles, organisational, management and control procedures overseen by a Supervisory Board, which monitors the effectiveness of the Model and its correct application.

THE ADVANTAGES OF ORGANISATIONAL MODEL 231

The adoption of the Organisational Model and establishment of the Supervisory Board are consistent with Benincà's ongoing commitment to improving through the implementation of a structured and suitable system for preventing the risk of any form of irregularity occurring in the performance of its activities and thereby limiting the danger of crimes being committed and guaranteeing the correctness and transparency of its work.

WHY A CODE OF ETHICS?

The Code of Ethics outlines the company's values, mission and vision, its principles and its commitment to the future. It indicates its business goals and sets out the conduct and behaviours expected of those that interact with Benincà on a daily basis: partners, financial market, customers, internal and external collaborators and the community.

As part of the OMM, it represents the ideal backdrop to root a corporate development that promotes a culture of lawfulness and prevention of criminal risk, where ethics means social consciousness but also environmental awareness and responsibility for the world in which the company operates.

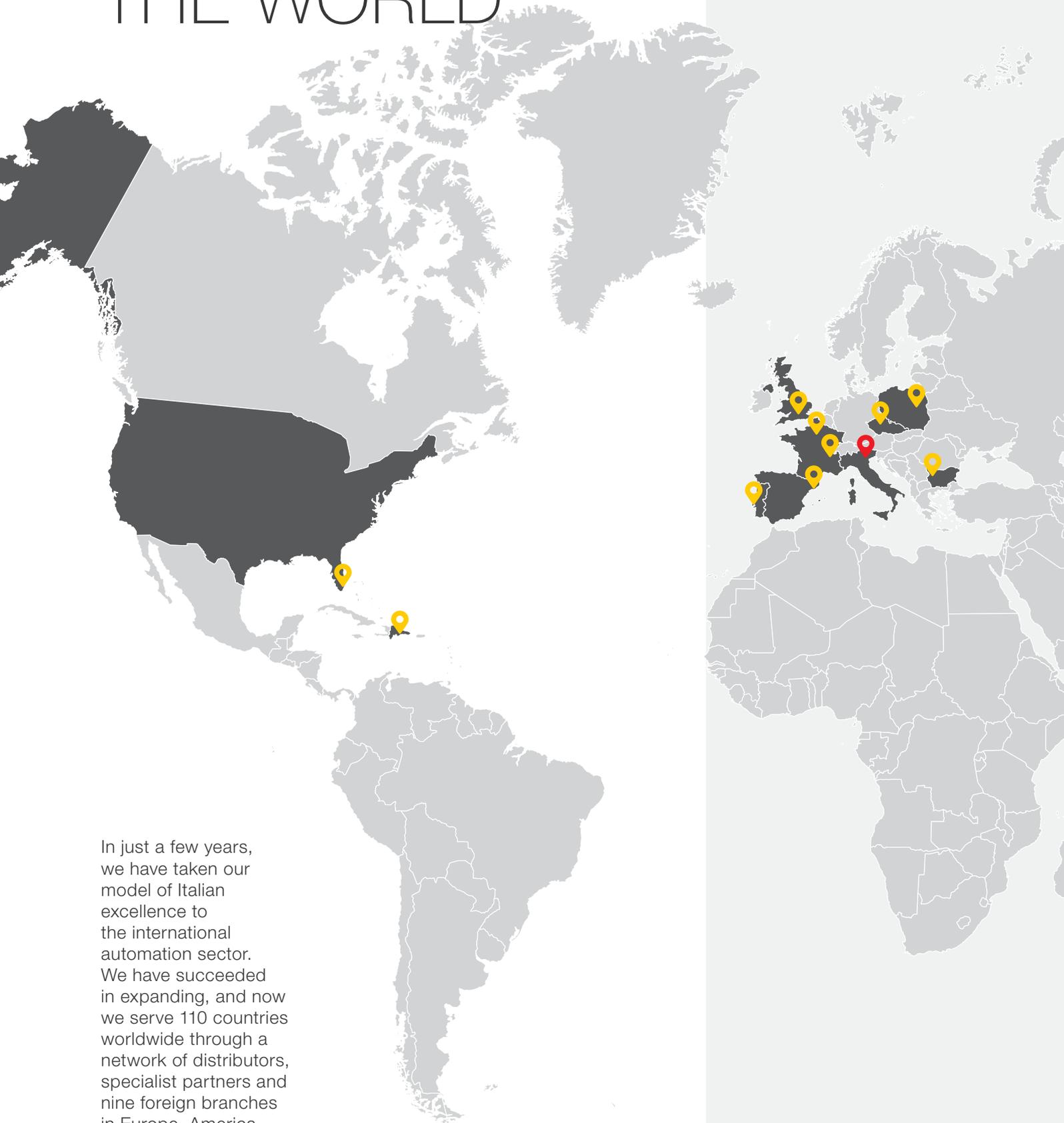
WHISTLEBLOWING

The ability to quickly identify ethically incorrect behaviour is essential for ensuring compliance with our Code of Ethics and European Whistleblowing legislation. In light of this, the Benincà Group provides a portal (wb.benincagroup.com) in which any irregularity that could cause damage or prejudice to Group companies or third parties can be reported to the SB and internal contact person. Anyone can file a report: employees, customers, partners, consultants, suppliers and, more generally, any third party.





BENINCÀ AROUND THE WORLD



In just a few years, we have taken our model of Italian excellence to the international automation sector. We have succeeded in expanding, and now we serve 110 countries worldwide through a network of distributors, specialist partners and nine foreign branches in Europe, America and India.



Headquarters and production sites

AUTOMATISMI BENINCÀ SpA
Sandrigo (Vicenza)

HI-MOTIONS Srl
Sarcedo (Vicenza)

MYONE Srl
Quarto D'Altino (Venezia)

RISE Srl
Velo D'Astico (Vicenza)

APROMIX RFID Srl
Bassano del Grappa (Vicenza)

SEAV Srl
Osimo (Ancona)

CAB
Velo D'Astico (Vicenza)

European branches

Bulgaria
BESIDE Ltd
Sofia

France
BENINCÀ FRANCE S.A.R.L.
Saint Priest

France
BENINCÀ FRANCE
AGENCE NORD OUVEST
Villebon sur Yvette

England
BENINCÀ UK Ltd
Newbury

Poland
BENINCÀ POLONIA Sp. z o.o
Czosnów

Portugal
B2U PORTAS E AUTOMATISMOS
Venda do Pinheiro

Czech Republic
BENINCÀ CS s.r.o.
Praga

Spain
BENINCÀ NORTE S.L
Barcellona

Branches outside Europe

Australia
BENINCÀ AUSTRALIA PTY Ltd
Sidney

India
BENINCÀ INDIA
Bangalore

Dominican Republic
BENINCÀ DOMINICANA
Santo Domingo

USA
BENINCÀ USA
Miami



THE BENINCÀ GROUP

BENINCA
GROUP

Benincà Group is made up of 8 brands and 11 foreign branches, born from the need to respond specifically to the demands of increasingly demanding markets, through products that combine tradition and innovation, exploiting synergies and shared know-how. A dream that has come true to give shape to specialization objectives that have always been pursued. A group capable of sharing skills, know-how and experience by designing solutions that allow us to improve and secure the movement of things and people in the world.





BENINCA
TECHNOLOGY TO OPEN

Automation devices for doors and gates for residential and industrial use, and traffic barriers

HI
MOTIONS
OPENING SOLUTIONS

Accessories for sliding gates, cantilever gates, swing gates and industrial doors.

myone

Automatic sliding and swing doors and electronic control accessories

RISE
Smart Moving

Automatic, semi-automatic and fixed bollards, turnstiles and pedestrian access points.

Apronix

Smart systems for access control, RFID and Industry 4.0

seav

Electronic solutions for access control and automation management

CAB
MORE THAN AUTOMATION

Automation devices for shutters, hydraulic automation devices for gates, blinds and rolling shutters

SAVE YOUR ENERGY
BYOU

Automation system kits for residential use for gate automation



HI-MOTIONS

OPENING SOLUTIONS



HI-MOTIONS became part of the Benincà Group in 2009. The production of gate accessories combined with experience in the automation sector. The synergy between these two different but related fields paved the way for the development of products and solutions with high technological content designed for professional users. The range of HI-MOTIONS products comprises accessories for sliding gates, cantilever sliding gates, swing gates, industrial doors and manual barriers. The company mission can be summarised as “Opening Solutions”: solutions for all types of closures, guaranteeing reliability but above all flexibility.



MYONE AUTOMATIC DOORS



my¹one

Automatic swing and sliding doors: this is the specialization of MYONE. The company operates in industrial and urban contexts with a product created and designed for professionals that guarantees maximum functionality through a simple and intuitive access to technology. Over the years, the range of products has been expanded thanks to investments and accurate decisions. Today, the company is able to supply a complete range of automated devices developed on the basis of its experience, professionalism, research and design.



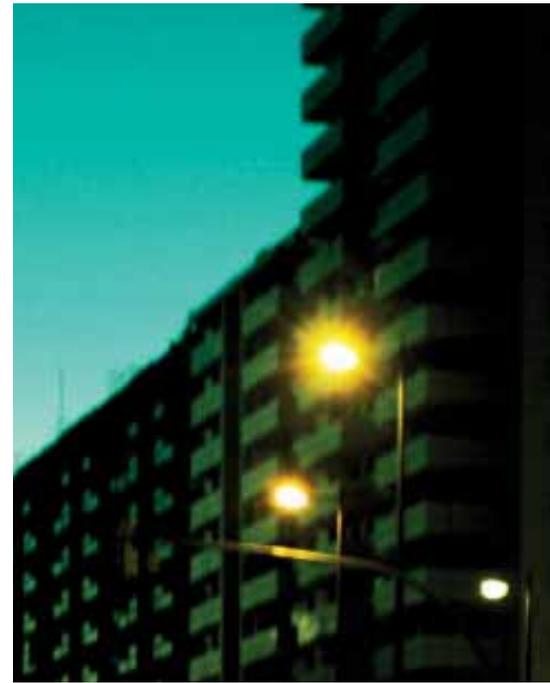
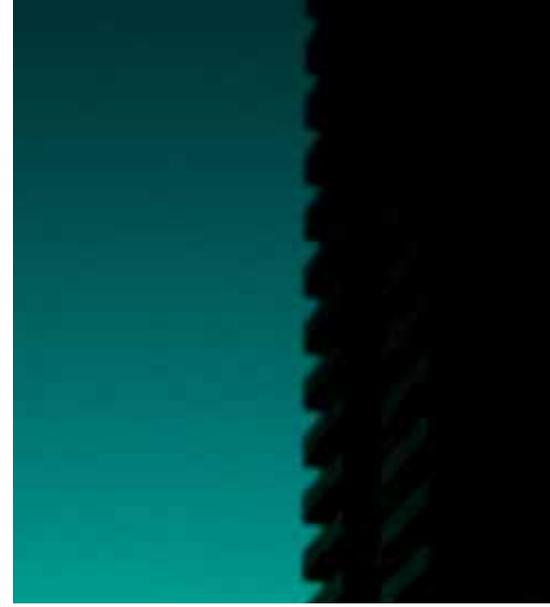
RISE SMART MOVING



RISE

Smart
Moving

RISE is the company in the Benincà Group specialised in security systems. Through the production of automatic, semiautomatic, fixed bollards and turnstiles, it deals with the regulation of vehicles' and people's movement daily securing public, industrial or private contexts. For the company, SMART MOVING is not only a payoff, but a promise of reliability that is achieved through the design and the continuous research of innovative solutions allowing you to improve mobility in the different daily contexts. A "clever" movement, as it includes a highly technological level, a promise that is confirmed every day through the constant research and development of the Benincà Group. Design and production are rigorously managed within the company allowing RISE to be one of the leading characters of Italianness in the world.





APROMIX ACCESS CONTROL SOLUTIONS



Since 1991, Apromix has been developing and selling access control solutions also with RFID (radio frequency identification) systems that respond to customer needs with a high level of customisation in many contexts. The high quality solutions offered, include hardware development, distribution, installation and maintenance.



SEAV ELECTRONIC SOLUTIONS



SEAV has been designing and manufacturing electronic solutions for the management of gate, garage doors, solar shading and pergola automations for 40 years. Technology, monitoring of production processes and R&D department that supports customers with custom projects are the strengths that make the company an industry leader. An entirely «made in Italy» product for an electronics increasingly closed to the needs of installers.





CAB

MORE THAN AUTOMATION



CAB
MORE THAN AUTOMATION

Launched in 1992 by the founding partners of Automatismi Benincà, CAB immediately stood out for its high level of specialisation. Its product range has been expanded over the years and now comprises four different lines: shutter motors, hydraulic actuators for swing gates and motors for awnings, shutters, windows and vasistas. The pay-off “More Than Automation” not only conveys the commitment to working for dedicated segments, but also the collection values that the company brings to the world through its products: passion, innovation and quality made in Italy.

BENINCA[®]
TECHNOLOGY TO OPEN



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Part of the Benincà family

