LIVE THE EXPERIENCE

ENGLISH CATALOGUE

BENINCA®
TECHNOLOGY TO OPEN

BENINCA®
TECHNOLOGY TO OPEN

"If you can dream it, you can do it"
Walt Disney

...
and the dream of two brothers, and the story of a company that produces automations for doors and gates, exporting their technology and full Italian production to the rest of the world, were born

LIVE THE EXPERIENCE

We have always emphasised the importance of people, partners and employees in the pursuance of our path of success, telling the BENINCA' story through their own experiences.

In this way, the desire is created to collaborate by moving the core from the company to the people, changing the viewpoint towards the market, our customers, the product and the service.

To do this, we must rebuild the business around the customer and his customer experience: AUTOMATION VILLAGE is born.

By defining a physical path, the customer enters into true and real village, designed according to his needs as to where to find information relating to the product, training, or marketing.

An experience that allows the customer not only to take with him a clear idea of the company and the group, but also to get to know the people and the world inside BENINCÀ.

This for us is the true meaning of COMMUNITY: share, with all those who know BENINCA', common values, dreams and goals, opening the company to the market, by speaking with it.

Your journey begins here...

BENINCA®
TECHNOLOGY TO OPEN

CONFERENCE ZONE

MULTIMEDIA CONFERENCE ROOM

Meeting, recreational and multimedia space, used also for technical and commercial training. Together towards new goals.

SHOWROOM

SHOW ROOM: THE BUILDING AUTOMATION EXPERIENCE

A path that divides itself between different experiences and worlds, for teaching of technology and functionality in industrial applications contexts. From residential and public, to contemporary retail, buildings. Design, ergonomics, and modernity.

LAB 2.0

LAB 2.0: COOPERATE, COLLABORATE, COMPETE

Today's active learning and the new challenge to learn, dedicated to the sales force, but also for installers, architects and designers. The demonstration area becomes headquarters for training and training in the field.

LOUNGE ZONE

LOUNGE AREA: ITALIAN WAY OF BEING

Empathy and trust strengthen ties, also in business. Benincà has always believed that people should come before everything. For this reason, everyone is invited to listen, and make themselves welcome, but also to enjoy the pleasure of relaxation and the excellencies provided for your palate.

TRANSFORMING IDEAS INTO INNOVATION

RESEARCH
DESIGN
DEVELOPMENT

Benincà has always considered it strategic, to have an internal department for mechanical and electronic design. We did this because our main objective was to increase know-how, by developing cutting edge products that can satisfy customers and their demands.

Particularly in recent years, with construction of the Benincà Holding company, the R&D department has been enhanced, today becoming an indisputable company strength.

Teamwork and collaboration are the success elements of the R&D BENINCÀ team.
It is in fact due to the continuous exchange of ideas and expertise, that this department is able to design and develop products of excellence, by making the most of each individual component's contribution.

Today this area is a complete department, made up of mechanical and electronic engineers, who work on projects and products on a daily basis with the main objective of satisfaction of the various requirements of the market, and continuous improvement.

In designs of recent years, particular importance has been given to the theme of energy saving and ecological awareness, with development of a patented technology, and a specific product line.

SAFETY AS A VALUE

TESTS
INSPECTIONS

BENINCÀ products are designed to fulfil the varied requirements of the market, and in order to do this, during the design and test phases, they are subjected to electrical and mechanical life testing, which is aimed at simulating real-world application. We therefore have 2 sites, one internal, and one external.

For test execution, we apply the "worst case analysis" methodology, which allows for testing of the product to the most extreme limits, simulating:

- Fluctuations relating to nominal power and frequency values
- Extreme climatic conditions
- Increase of the usage limits and usage intensity, with respect to declared nominal data

PRE-COMPLIANCE TESTS

CE

These are product tests which are aimed at verifying noise immunity and that emission is within the maximum limits laid down by the European Community, for our devices. These tests also allow us to establish whether the product is ready to obtain “CE” marking.

THE RELIABILITY PROMISE

QUALITY CONTROLLED

Correct materials selection, three levels of internal controls, correct selection of supplier companies; these have always been the cornerstones of company quality control.

A department that works with the clear objective of maintaining a high level of quality and reliability in sold products, in line with the mission that the company has always pursued.

INCOMING CONTROL: occurs after receipt of the material into the company, via physical and metrological testing.

PROCESS CONTROL: This applies to semi-finished products and relates to wiring checks, adjustments or noise; all with detailed operating instructions.

PRODUCT AUDIT: Relates to kits and finished products which are controlled via random sampling in general.

The BENINCA' quality system, via control of these processes and continuous attention to market requirements, has obtained SGS accreditation. This is indicates a recognised company ability to manage the quality system in its broadest sense and coherently.

MADE IN ITALY
CERTIFICATE
AA000000

THE ITALIAN PASSION

DIRECT PRODUCTION

In recent years BENINCÀ has made an undisputed forte from its Italian production, so much so that in 2013 it received its 100% made in Italy product certification.

The BENINCA' assembly lines are organised by product families, and equipped with a control system via which the product code and relevant quantity being built can be detected at any point.

In order to ensure that the motors are compliant, important functional and electrical end-line tests are carried out directly within the line, which check correct functionality of the motor load, ensuring sufficient electrical insulation and good ground conductor efficiency.

The results obtained are stored uniquely for each machine produced.

EFFICIENT PLANNING

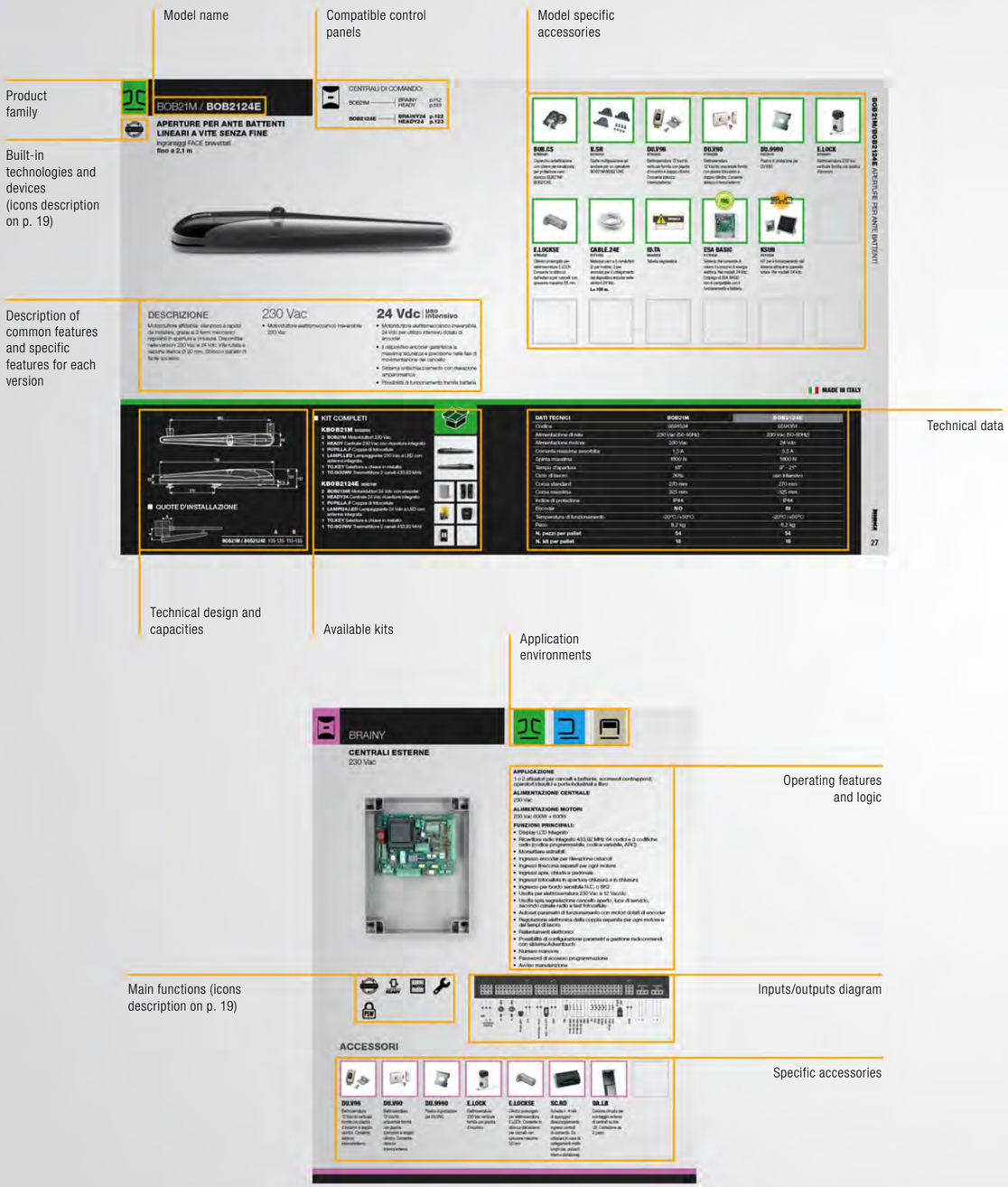
LOGISTICS AND TRACEABILITY

The shipping department has undergone considerable changes in recent years, with the main objective being to improve the service offered, by working on process efficacy and efficiency, as well as on reducing the average delivery lead time.

To do this, a barcode system has been adopted, which ensures consistency between picked and ordered materials, by notifying any errors.

In addition to this, to improve the picking speed, an automatic dual bay vertical warehouse has been installed, for electronic materials management.

The new warehouse is located in the recently expanded area of the company, and was opened on the occasion of the third International Meeting of the group.



The goal of making consultation and product understanding quick and easy has led us to not only improve the readability of the content, but also how it is displayed.

From now on, we have decided to encapsulate the product information in a single dossier containing technical information, specific features, kits available, control unit compatibility and focus on technologies and embedded devices.

On the next page you can see in detail the information in both the specific geared motors page, and in that of the control panels.

With regard to built-in technologies and devices, we have decided to show their advantages through icons, with a view to making comprehension and comparison between the various models easier.

The symbols used for built-in devices and functionality are shown below:

ESA SYSTEM

Innovative, patented system, for absorption reduction in stand by mode. ESA SYSTEM allows a saving of up to 250 Kw/year in a standard residential installation, in perfect alignment with European directives.

ADVANTOUCH

Compatibility with ADVANTOUCH device. The system allows for simplified transmitter and receiver management, with the ability to create lists for quick and easy cancellation or storing of transmitters.

STC SYSTEM

Intelligent power control that allows you to capture dynamic data through a precise calculation for the couple. In conventional systems, this value is detected in the early stages of self-calibration and remains constant for all subsequent cycles. The STC System, by dynamically controlling the power to be supplied, not only allows for reduced energy consumption, but also the risk of false amperometric interventions. The system is thus able to locate any critical points of increased friction, and adjust the torque accordingly in relation to actual requirements and according to measured performance. The STC System, as well as allowing us to overcome problems related to wear of the system or change in operating conditions (i.e. climatic fluctuations) in this way, is a valuable tool even in the early stages of installation and testing of the system (with respect to the safety standards and corresponding impact curves).

SELF-CALIBRATION SYSTEM

Self-calibration system which simplifies system installation and test operations. The function automatically adjusts the operating parameters; for example in the learning of the travel or calibration of anti-crushing device intervention thresholds.

MAINTENANCE

Ability to set the number of cycles, after which the maintenance reminder is signalled. This signal occurs via extension of the flasher on time, by 10 seconds, on completion of each manoeuvre.

INVERTER

The inverter technology allows gradual engine speed variation both in the acceleration and deceleration phases, in addition to ensuring a more precise adjustment of the gate moving phases and increased crush prevention security.

PASSWORD

It allows you to enter a security code in the control unit programming, which prevents access to all the menus, and the subsequent modification of operating or security parameters.

ENCODER

The presence of the encoder allows full compliance with safety regulations by ensuring maximum precision during the automation manoeuvre phases.

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BENINCA®
TECHNOLOGY TO OPEN

LINEAR WORM SCREWS

			CONTROL PANELS
BOB21 leaf up to 2.1 m	**230 Vac**	BOB21M	HEADY / BRAINY
		KBOB21M	HEADY
	24 Vdc intensive use	**BOB2124E**	**HEADY24 / BRAINY24**
		KBOB2124E	**HEADY24**
BOB30 leaf up to 3.0 m	**230 Vac**	BOB30M	HEADY / BRAINY
		BOB30ME	BRAINY
		KBOB30M	HEADY
		KBOB30ME	BRAINY
	24 Vdc intensive use	**BOB3024E**	**HEADY24 / BRAINY24**
		KBOB3024E	**BRAINY24**
BOB50 leaf up to 5.0 m	**230 Vac**	BOB50M	HEADY / BRAINY
		BOB50ME	BRAINY
	24 Vdc intensive use	**BOB5024E**	**BRAINY24**
		KBOB5024E	**BRAINY24**

LINEAR TELESCOPIC OPERATOR

			CONTROL PANELS
BILL30 leaf up to 2.5 m	**230 Vac**	BILL30M	HEADY / BRAINY
		KBILL30M	HEADY
BILL40 leaf up to 3.5 m	**230 Vac**	BILL40M	HEADY / BRAINY
		KBILL40M	HEADY
BILL50 leaf up to 4.0 m	**230 Vac**	BILL50M	HEADY / BRAINY
		BILL50ML	HEADY / BRAINY
		KBILL50M	HEADY

ARTICULATED ARM

			CONTROL PANELS
KBN24 leaf up to 2.1 m	**24 Vdc** intensive use	**KBN24**	**CP.BN***
MBE leaf up to 2.5 m	**24 Vdc** intensive use	**MB24**	**BRAINY24**
		MBE24	**CP.MBY24***
		KMB24	**CP.MBY24***
PREMIER leaf up to 3.0 m	**230 Vac**	PR.45E	HEADY / BRAINY
		KPR	HEADY
	24 Vdc intensive use	**PR.45E24**	**BRAINY24**
		KPR24	**BRAINY24**
PREMIER leaf up to 4.0 m	**230 Vac**	PR.45EL	HEADY / BRAINY

UNDERGROUND INSTALLATION

			CONTROL PANELS
DU.IT leaf up to 2.1 m	**230 Vac**	DU.IT14NV	HEADY / BRAINY
DU.350 leaf up to 3.0 m	**230 Vac**	DU.350NV	HEADY / BRAINY
		DU.350NVE	BRAINY
DU.IT leaf up to 3.5 m	**230 Vac**	DU.IT14N	HEADY / BRAINY
	24 Vdc intensive use	**DU.IT24NVE**	**BRAINY24**
DU.350 leaf up to 4.0 m	**230 Vac**	DU.350N	HEADY / BRAINY

* Built-in control panel

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

LINEAR WORM SCREWS

LEAF MAX WEIGHT

GATE LENGTH	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	600 kg	700 kg	800 kg
1,5 m	BOB21M **BOB2124E**	BOB21M **BOB2124E**	BOB21M **BOB2124E**	BOB21M **BOB2124E**	BOB30M **BOB3024E**	BOB50M **BOB5024E**	BOB50M **BOB5024E**	BOB50M **BOB5024E**	BOB50M **BOB5024E**	BOB50M
1,8 m	BOB21M **BOB2124E**	BOB21M **BOB2124E**	BOB21M **BOB2124E**	BOB30M **BOB3024E**	BOB50M **BOB5024E**	BOB50M **BOB5024E**	BOB50M **BOB5024E**	BOB50M **BOB5024E**	BOB50M **BOB5024E**	BOB50M
2,1 m	BOB21M **BOB2124E**	BOB21M **BOB2124E**	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	BOB50M
3 m	BOB30M BOB50M **BOB3024E 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						

LINEAR TELESCOPIC OPERATOR

LEAF MAX WEIGHT

GATE LENGTH	100 kg	150 kg	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	550 kg	650 kg
1,8 m	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL40M	BILL40M	BILL40M	BILL40M	
2,1 m	BILL30M BILL40M BILL50M BILL50ML	BILL30M BILL40M BILL50M BILL50ML	BILL30M BILL40M BILL50M BILL50ML	BILL30M BILL40M BILL50M BILL50ML	BILL30M BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML
2,5 m	BILL30M BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML		
3 m	BILL40M BILL50M BILL50ML	BILL40M BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML					
3,5 m	BILL40M BILL50M BILL50ML	BILL50M BILL50ML	BILL50M BILL50ML	BILL50ML							
4 m	BILL50M BILL50ML	BILL50ML									
4,5 m	BILL50ML										

ARTICULATED ARM

LEAF MAX WEIGHT

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

UNDERGROUND INSTALLATION

LEAF MAX WEIGHT

GATE LENGTH	250 kg	300 kg	350 kg	400 kg	500 kg	550 kg	600 kg	700 kg	800 kg
1,5 m	DU.IT14NV	DU.IT14NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350N DU.350NV	DU.IT14N **DU.IT24NVE** DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N DU.350NV
2,1 m	DU.IT14N DU.IT14NV **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350N DU.350NV	DU.IT14N **DU.IT24NVE** DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N DU.350NV	DU.350N
2,5 m	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350N DU.350NV	DU.IT14N **DU.IT24NVE** DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N DU.350NV	DU.350N	
3 m	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350NV	DU.IT14N **DU.IT24NVE** DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N	DU.350N		
3,5 m	DU.IT14N **DU.IT24NVE** DU.350N	DU.IT14N **DU.IT24NVE** DU.350N	DU.IT14N **DU.IT24NVE** DU.350N	DU.IT14N DU.350N	DU.IT14N DU.350N	DU.350N			
4 m	DU.350N	DU.350N	DU.350N	DU.350N	DU.350N				

NOTES

With BOB.SL accessory

We recommend the use of an electric lock

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

BOB21M / **BOB2124E**

ENCODER

AUTOMATIONS FOR SWINGING GATES LINEAR WORM SCREWS

patented FACE gears
up to 2.1 m

CONTROL PANELS:

BOB21M — BRAINY p.112 / HEADY p.113

BOB2124E — BRAINY24 p.122 / HEADY24 p.123

DESCRIPTION

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

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

BOB.CS
9765040
Lock with personalized key and cover for BOB21M/BOB2124E unlock system.

B.SR
9819310
Multiposition brackets for one operator BOB21M/BOB2124E.

B.P
9819005
Screw-on plate for models in the BOB21 series.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

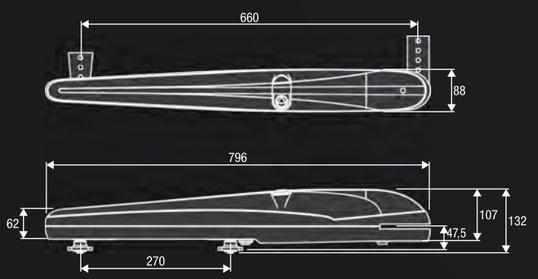
CABLE.24E
9171002
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.
L= 100 m.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY



MEASURES

	A	B
B0B21M / B0B2124E	105-135	115-135

COMPLETE KITS

KBOB21M 9592095
- **2 BOB21M** 230 Vac Operators
- **1 HEADY** 230 Vac control unit with integrated receiver
- **1 PUPILLA.F** Pair of photocells
- **1 LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- **1 TOKEY** Metal key selector
- **1 TO.GO2WV** 433.92 MHz Transmitter

KBOB2124E 9592198
- **2 BOB2124E** 24 Vdc Operators equipped with encoder device
- **1 HEADY24** 24 Vdc control unit with integrated receiver
- **1 PUPILLA.F** Pair of photocells
- **1 LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
- **1 TOKEY** Metal key selector
- **1 TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BOB21M	BOB2124E
Code	9591534	9591351
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	24 Vdc
Max absorbed current	1.5 A	5.5 A
Max Thrust	1800 N	1800 N
Opening time	18”	9” - 21"
Operation cycle	30%	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	2.1 m
Weight	8.2 kg	8.2 kg
Items no. per pallet	**54**	**54**
Kits no. per pallet	**18**	**18**

BOB30M / **BOB3024E**

AUTOMATIONS FOR SWINGING GATES LINEAR WORM SCREWS

patented FACE gears
full metal mechanics
gear and female screw in bronze
personalised release key
up to 3.0 m

CONTROL PANELS:

BOB30M	BRAINY	p.112
	HEADY	p.113
BOB30ME	BRAINY	p.112
BOB3024E	**BRAINY24**	**p.122**
	HEADY24	**p.123**

DESCRIPTION

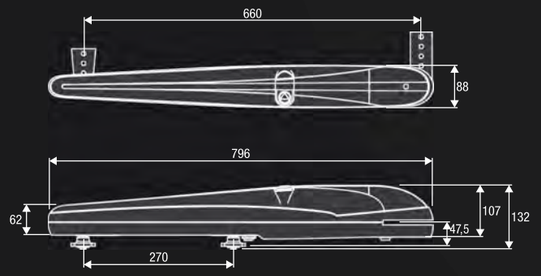
Reliable, quiet, and quick to install geared motor, thanks to its 2 adjustable mechanical stops for opening and closing. Available in the 230 Vac and 24 Vdc versions. Rolled ball screws Ø 20 mm. Easy access release from above.

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 encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation



MEASURES

	A	B
BOB30M/E / BOB3024E	105-135	115-135

COMPLETE KITS

KBOB30M 9592096

- 2 **BOB30M** 230 Vac Operators
- 1 **HEADY** 230 Vac control unit with integrated receiver
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter

KBOB30ME 9592088

- 2 **BOB30ME** 230 Vac Operators equipped with encoder device
- 1 **BRAINY** 230 Vac control unit with integrated receiver
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter

KBOB3024E 9592089

- 2 **BOB3024E** 24 Vdc Operators equipped with encoder device
- 1 **BRAINY24** 24 Vdc control unit with integrated receiver
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter

B.SR
9819310
Multiposition brackets for one operator BOB30M/E/BOB3024E.

B.P
9819005
Screw-on plate for models in the BOB30 series.

BOB.SL
9819004
Rear extension for BOB30 series models, to increase performance by up to 15% (see table p. 24) and reduced dimension installation requirements.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

CABLE.24E
9171002
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.
L= 100 m.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY

TECHNICAL DATA	BOB30M	BOB30ME	BOB3024E
Code	9591535	9591446	9591447
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.8 A	1.8 A	5.5 A
Max Thrust	2300 N	2300 N	1800 N
Opening time	18”	18”	9” - 21"
Operation cycle	30%	30%	intensive use
Standard stroke	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm
Protection level	IP44	IP44	IP44
Encoder	**NO**	**YES**	**YES**
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.0 m	3.0 m	3.0 m
Weight	8.6 kg	8.6 kg	8.6 kg
Items no. per pallet	**54**	**54**	**54**
Kits no. per pallet	**18**	**18**	**18**

BOB50M / **BOB5024E**

AUTOMATIONS FOR SWINGING GATES LINEAR WORM SCREWS

patented FACE gears
full metal mechanics
gear and female screw in bronze
personalised release key
up to 5.0 m

CONTROL PANELS:

BOB50M	BRAINY	p.112
	HEADY	p.113
BOB50ME	BRAINY	p.112
BOB5024E	**BRAINY24**	**p.122**

DESCRIPTION

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

B.P
9819005
Screw-on plate for models in the BOB50 series.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

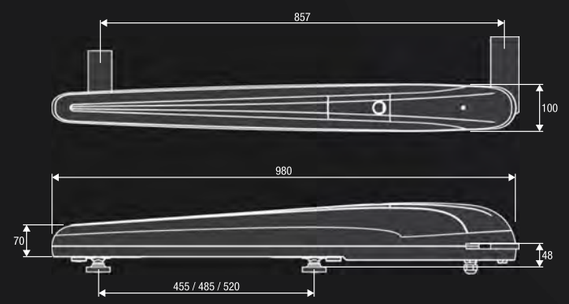
CABLE.24E
9171002
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.
L= 100 m.

ID.TA
9846019
Warning board.

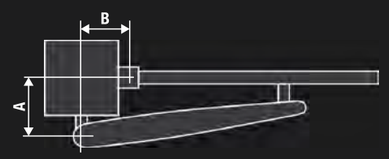
ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY



MEASURES



	A	B
BOB50M/E / BOB5024E	150-225	150-225

TECHNICAL DATA	BOB50M	BOB50ME	BOB5024E
Code	9591022	9591023	9591328
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.4 A	1.4 A	6.7 A
Max Thrust	3500 N	3500 N	2200 N
Opening time	26”	26”	21”
Operation cycle	30%	30%	intensive use
Standard stroke	455 mm	455 mm	455 mm
Max stroke	520 mm	520 mm	520 mm
Protection level	IP44	IP44	IP44
Encoder	**NO**	**YES**	**YES**
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	5.0 m	5.0 m	5.0 m
Weight	11.6 kg	11.6 kg	11.6 kg
Items no. per pallet	**40**	**40**	**40**

BILL30M

AUTOMATIONS FOR SWINGING GATES
LINEAR TELESCOPIC OPERATOR

personalised release key
up to 2.5 m

CONTROL PANELS:

BILL30M — BRAINY p.112 / HEADY p.113

230 Vac

- Irreversible 230 Vac electromechanical geared motor with easy access release from above
- Neat design and size, particularly suited to forged iron gates
- Easy and quick to install due to compact size and installation dimensions
- 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.
- Available in right or left version

B.SR
9819310
Multiposition brackets for one operator BILL30M.

BILL30.CO
9253001
Telescopic stem cover accessory for models BILL30M.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

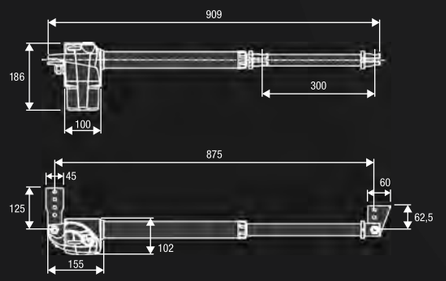
DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.



MEASURES

	A	B
BILL30M	100-150	100-150

COMPLETE KITS

KBILL30M 9592184
2 **BILL30M** 230 Vac Operators
1 **HEADY** 230 Vac control unit with integrated receiver
1 **PUPILLA.F** Pair of photocells
1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BILL30M
Code	9592100 (R) / 9592101 (L)
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	1.1 A
Max Thrust	2800 N
Opening time	16”
Operation cycle	30%
Standard stroke	300 mm
Max stroke	320 mm
Protection level	IP54
Operating temperature	-20°C /+50°C
Leaf max dimension	2.5 m
Weight	5.7 kg
Items no. per pallet	**66**
Kits no. per pallet	**32**

MADE IN ITALY

BILL40M

AUTOMATIONS FOR SWINGING GATES
LINEAR TELESCOPIC OPERATOR

personalised release key
up to 3.5 m

CONTROL PANELS:

BILL40M — BRAINY p.112 / HEADY p.113

230 Vac

- Irreversible 230 Vac electromechanical geared motor with easy access release from above
- Neat design and size, particularly suited to forged iron gates
- Easy and quick to install due to compact size and installation dimensions
- 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.
- Available in right or left version

B.SR
9819310
Multiposition brackets for one operator BILL40M.

BILL40.CO
9253003
Telescopic stem cover accessory for models BILL40M.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

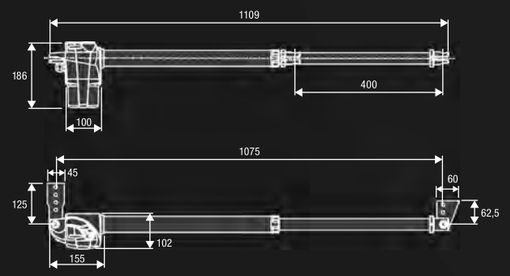
E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY

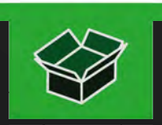


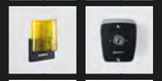
MEASURES

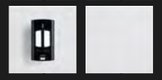
	A	B
BILL40M	100-200	100-200

COMPLETE KITS

KBILL40M **9592188**
- **2 BILL40M** 230 Vac Operators
- **1 HEADY** 230 Vac control unit with integrated receiver
- **1 PUPILLA.F** Pair of photocells
- **1 LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- **1 TOKEY** Metal key selector
- **1 TO.GO2WV** 433.92 MHz Transmitter







TECHNICAL DATA	BILL40M
Code	9592124 (R) / 9592125 (L)
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	1.1 A
Max Thrust	2800 N
Opening time	18”
Operation cycle	30%
Standard stroke	400 mm
Max stroke	420 mm
Protection level	IP54
Operating temperature	-20°C /+50°C
Leaf max dimension	3.5 m
Weight	6.0 kg
Items no. per pallet	**60**
Kits no. per pallet	**21**

BILL50M

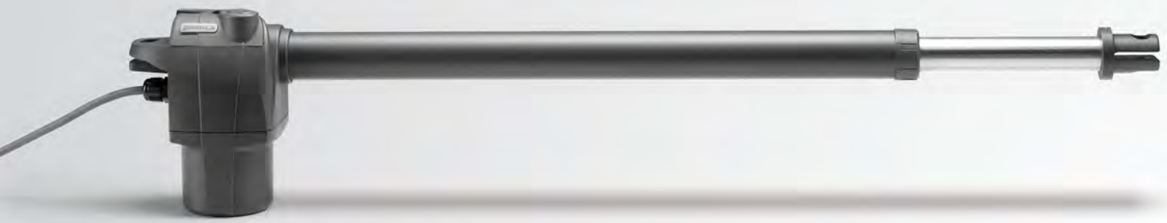
AUTOMATIONS FOR SWINGING GATES
LINEAR TELESCOPIC OPERATOR

personalised release key
up to 4.5 m

CONTROL PANELS:

BILL50M — BRAINY p.112 / HEADY p.113

BILL50ML — BRAINY p.112 / HEADY p.113



230 Vac

- Irreversible 230 Vac electromechanical geared motor with easy access release from above
- Neat design and size, particularly suited to forged iron gates
- Easy and quick to install due to compact size and installation dimensions
- 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.
- Available in right or left version
- **BILL50ML version for large doors and confined installation dimensions**

B.SR
9819310
Multiposition brackets for one operator BILL50M/L.

BILL50.CO
9253002
Telescopic stem cover accessory for models BILL50M.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

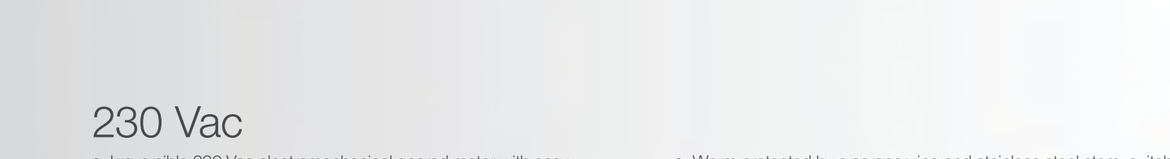
DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

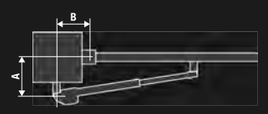
E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.



MEASURES



	A	B
BILL50M	180-250	180-250
BILL50ML	120-200	120-200

COMPLETE KITS

KBILL50M **9592191**

- **2 BILL50M** 230 Vac Operators
- **1 HEADY** 230 Vac control unit with integrated receiver
- **1 PUPILLA.F** Pair of photocells
- **1 LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- **1 TOKEY** Metal key selector
- **1 TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BILL50M	BILL50ML
Code	9592102 (R) / 9592103 (L)	9592104 (R) / 9592105 (L)
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	1.1 A	1.2 A
Max Thrust	2800 N	3100 N
Opening time	21”	32”
Operation cycle	30%	30%
Standard stroke	500 mm	500 mm
Max stroke	520 mm	520 mm
Protection level	IP54	IP54
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4.5 m	4.5 m
Weight	6.3 kg	6.3 kg
Items no. per pallet	**60**	**60**
Kits no. per pallet	**21**	**21**

MADE IN ITALY

KBN24

AUTOMATIONS FOR SWINGING GATES ARTICULATED ARM

with integrated control box and receiver
up to 2.1 m

CONTROL PANELS:

BN.E24 ——⊣ **CP.BN** **p.134**

BN.SE
9090019
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.

BA
9099053
Single arm for BN24/ BN.E24.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

L.BY
9760024
Control board for electric lock 12/24 Vdc.

ID.TA
9846019
Warning board.

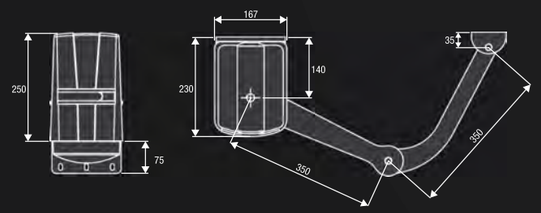
ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

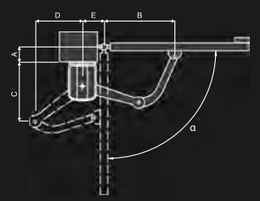
24 Vdc | intensive use

- 24Vdc Self-locking electromechanical operator for intensive use
- Suitable for gates installed on large posts
- Possibility of adjustable external unlock device which allows the system to be operated from outside in the event of a power cut
- Equipped with mechanical stop in opening
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation

MADE IN ITALY



MEASURES



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 9592077

1 **BN.E24** 24 Vdc Operator with built-in control unit and receiver
1 **BN.24** 24 Vdc Operator
2 **BA** Articulated arms
1 **PUPILLA.F** Pair of photocells
1 **LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

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”
Operation 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	6 kg	7.9 kg
Version	KIT only	KIT only
Items no. per pallet	**-**	**-**
Kits no. per pallet	**12**	**12**

MB24 / MBE24

AUTOMATIONS FOR SWINGING GATES ARTICULATED ARM

with integrated control box
personalised release key
up to 2.5 m

ARM NOT INCLUDED

CONTROL PANELS:

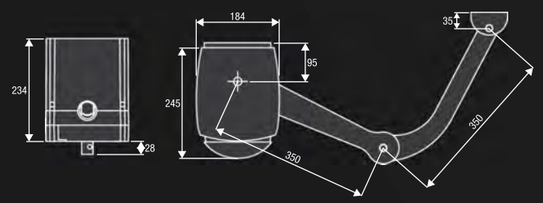
MBE24 ——— **CP.MBY24** **p.135**

MB24 ——— **BRAINY24** **p.122**

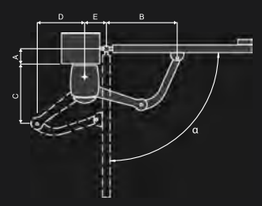
24 Vdc | intensive use

- 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
- Equipped with open and close limit switch
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation

MADE IN ITALY



MEASURES



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°
200	440	417	147	200	90°
0	420	266	327	200	110°
100	420	305	309	200	105°

COMPLETE KITS

KMB24 9592071

1 **MBE24** 24 Vdc Operator with built-in control unit and receiver
1 **MB24** 24 Vdc Operators
2 **BA** Articulated arms
1 **PUPILLA.F** Pair of photocells
1 **LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

BA
9099053
Single arm for MB24/ MBE24.

BS
9099052
Sliding arm for MB24/ MBE24.

MB.CP2
9623050
Set of counter plates for two operators, suitable for the installation on columns made of stones.

MB.SE
9090012
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.

DU.V96
9765035
12 Vdc/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vdc/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

TECHNICAL DATA	MB24	MBE24
Code	9590330	9590613
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”
Operation 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	9 kg	10.7 kg
Items no. per pallet	**42**	**42**
Kits no. per pallet	**12**	**12**

AUTOMATIONS FOR SWINGING GATES ARTICULATED ARM

personalised release key
up to 4.0 m

ARM NOT INCLUDED

CONTROL PANELS:

PR.45E — BRAINY p.112 / HEADY p.113

PR.45EL — BRAINY p.112 / HEADY p.113

PR.45E24 — BRAINY24 p.122

DESCRIPTION

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.

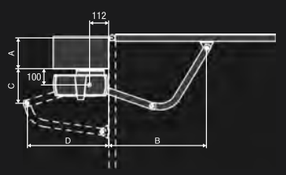
230 Vac

- Irreversible 230 Vac electromechanical geared motor also available in the PR.45EL version for large doors

24 Vdc | intensive use

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

MEASURES



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

KPR 9592073

- 2 **PR.45E** 230 Vac Operators
- 2 **DU.E2** Articulated arms
- 1 **HEADY** 230 Vac control unit with integrated receiver
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter

KPR.24 9592074

- 2 **PR.45E24** 24 Vdc Operators
- 1 **BRAINY24** 230 Vac control unit with integrated receiver
- 2 **DU.E2** Articulated arms
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter

DU.E2
9099011
Single galvanized steel arm for PR.45/PR.45EL/ PR.45E24.

MB.SE
9090012
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

TECHNICAL DATA	PR.45E	PR.45EL	PR.45E24
Code	9590684	9590685	9590686
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.75 A	1.45 A	9 A
Torque	325 Nm	300 Nm	320 Nm
Opening time	13”	20”	9”
Operation cycle	30%	30%	intensive use
Protection level	IP44	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	4 m	3 m
Weight	13 kg	13 kg	13 kg
Items no. per pallet	**68**	**68**	**68**
Kits no. per pallet	**12**	**-**	**12**

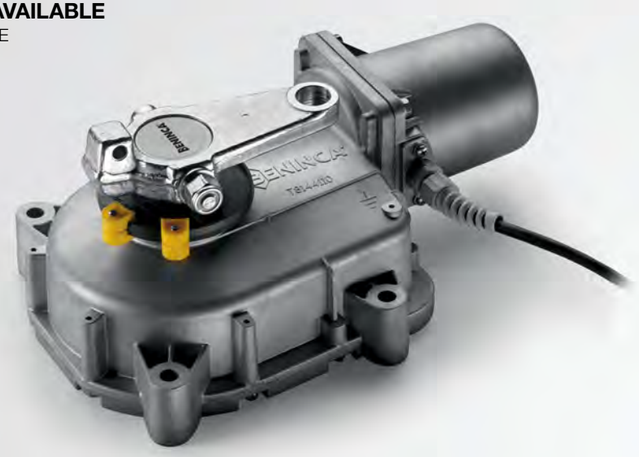
MADE IN ITALY

DU.IT14N / **DU.IT24NVE**

AUTOMATIONS FOR SWINGING GATES UNDERGROUND INSTALLATION

up to 3.5 m

DUIT.BR ACCESSORY AVAILABLE
(FOR THE ADJUSTMENT OF THE MOST FOUNDATION BOXES IN THE MARKET)



CONTROL PANELS:

DU.IT14N	BRAINY	p.112
	HEADY	p.113
DU.IT14NV	BRAINY	p.112
	HEADY	p.113
DU.IT24NVE	**BRAINY24**	**p.122**

DESCRIPTION

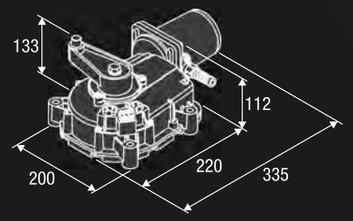
Irreversible electromechanical geared motor available in 230 Vac and 24 Vdc version, with the option of opening to 180°. Full metal mechanics and built-in mechanical stop.

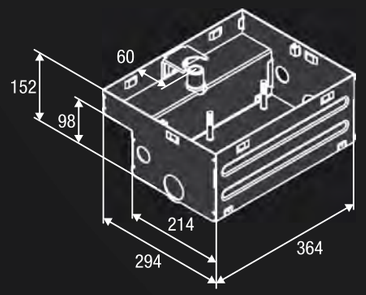
230 Vac

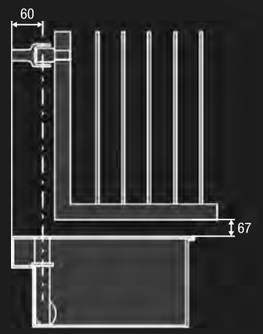
- Irreversible 230 Vac electromechanical geared motor
- Also available in the fast version (DU.IT14NV)

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







DU.ITIX
9150039
Self-supporting stainless steel foundation box, max opening of 110°. Comes only with cover, requires an unlocking accessory SB.DUIT.L or SB.DUIT.K.

DU.ITCF
9150043
Self-supporting foundation box with cataphoresis coating, max opening of 110°. Comes only with cover, requires an unlocking accessory SB.DUIT.L or SB.DUIT.K.

SB.DUIT.K
9747101
Unlocking kit consisting of an unlocking system with personalized key and components to connect the motor to the gate. Mechanical stop included.

SB.DUIT.L
9747099
Unlocking kit consisting of an unlocking system with hex key and components to connect the motor to the gate. Mechanical stop included.

SB.DU180.K
9747097
180° release device for DU.IT14N/NV/NVE with personalized key.

SB.DU180.L
9747098
180° release device for DU.IT14N/NV/NVE with hex key.

DU.ITST
9747083
Adjustable mechanical open stop 75°/80°/85°/ 90°/95°/100°.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

DUIT.BR
595.01
Adaptors for the installation of 2 operators compatible with the most common foundation boxes in the market.

DU.FCN
9567015
Water-proof limit switches device for DU.IT14N/NV/24NVE.

CABLE.24E
9171002
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.
L= 100 m.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY

TECHNICAL DATA	DU.IT14N	DU.IT14NV	DU.IT24NVE
Code	9590162	9591278	9591457
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc
Max absorbed current	1.6 A	1.6 A	11 A
Torque	370 Nm	220 Nm	280 Nm
Opening time	22”	11”	15”
Operation cycle	30%	40%	intensive use
Protection level	IP67	IP67	IP67
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3.5 m	2.1 m	3.5 m
Encoder	**NO**	**NO**	**YES**
Weight	11.6 kg	11.6 kg	10 kg
Items no. per pallet	**44**	**44**	**44**
No. of foundation boxes per pallet	**32**	**32**	**32**

DU.350N

AUTOMATIONS FOR SWINGING GATES UNDERGROUND INSTALLATION

oil submerged gear
up to 4.0 m

AVAILABLE FROM JULY 2014
VERSION WITH BUILT-IN
DU.350NVE ENCODER

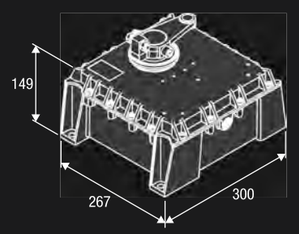
CAMS' DISK
NOT INCLUDED

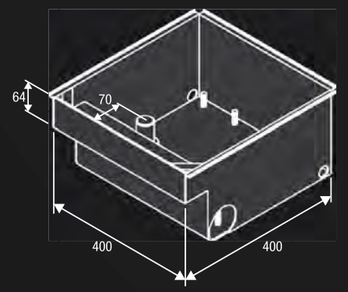
CONTROL PANELS:

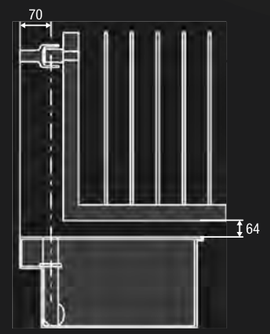
DU.350N	BRAINY	p.112
	HEADY	p.113
DU.350NV	BRAINY	p.112
	HEADY	p.113
DU.350NVE	BRAINY	p.112

230 Vac

- Irreversible electromechanical geared motors for gates of considerable sizes
- Adjustable mechanical stop included
- Electromechanical limit switches available as accessory (DU.350FC)
- Available in the fast version (DU.350NV) for doors up to 3 m
- The version with the DU.350NVE encoder ensures crush prevention and precision in the gate moving phases







DU.350CF
9150021
Self-supporting foundation box with cataphoresis coating, max opening of 110°. Comes only with cover, requires an unlocking accessory SB. DU350.L or SB. DU350.K.

SB.DU350.K
9747102
Unlocking kit consisting of an unlocking system with personalized key and components to connect the motor to the gate. Mechanical stop included.

SB.DU350.L
9747100
Unlocking kit consisting of an unlocking system with hex key and components to connect the motor to the gate. Mechanical stop included.

SB.180.K
9747095
180° release device for DU.350N/NV/E with personalized key.

SB.180.L
9747096
180° release device for DU.350N/NV/E with hex key.

DU.350ST
9747084
Adjustable mechanical open stop 80°/85°/90°/ 95°/100°/105°.

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.

DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

DU.350FC
9567001
Waterproof limit switches with cams' disc included for DU.350N/NV.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY

TECHNICAL DATA	DU.350N	DU.350NV	DU.350NVE
Code	9590695	9590753	9592029
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	230 Vac
Max absorbed current	1.7 A	1.7 A	1.7 A
Torque	450 Nm	370 Nm	370 Nm
Opening time	22”	16”	16”
Operation cycle	intensive use	intensive use	intensive use
Protection level	IP67	IP67	IP67
Encoder	**NO**	**NO**	**YES**
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	3 m	3 m
Lubrication	**OIL**	**OIL**	**OIL**
Weight	18.5 kg	20.3 kg	20.3 kg
Items no. per pallet	**32**	**32**	**32**
No. of foundation boxes per pallet	**24**	**24**	**24**

BENINCA®
TECHNOLOGY TO OPEN

RESIDENTIAL USE

				CONTROL PANELS
KPONY up to 350 kg	**24 Vdc**	**KPONY**		**CP.PONY***
BULL424 up to 450 kg	**24 Vdc** intensive use	**BULL424ESA**		**CP.B24ESA***
		KBULL424		**CP.B24ESA***
BULL5 up to 500 kg	**230 Vac**	BULL5M		CP.CORE*
		KBULL5M		CP.CORE*
BULL624 up to 600 kg	**24 Vdc** intensive use	**BULL624ESA**		**CP.B24ESA***
		BULL624ESA.S		**CP.B24ESA***
		KBULL624		**CP.B24ESA***
BULL8 up to 800 kg	**230 Vac**	BULL8M		CP.BULL8-OM*
		BULL8M.S		CP.BULL8-OM*
		KBULL8M		CP.BULL8-OM*

COMMERCIAL USE

				CONTROL PANELS
BULL8 up to 800 kg	**230 Vac**	BULL8OM		CP.BULL8-OM*
		BULL8OM.S		CP.BULL8-OM*
		KBULL8OM		CP.BULL8-OM*
BULL10 up to 1,000 kg	**230 Vac**	BULL10M		CP.BULL-RI*
		BULL10M.S		CP.BULL-RI*
	24 Vdc intensive use	**BULL1024ESA**		**CP.B1024ESA***
		BULL1024ESA.S		**CP.B1024ESA***
BULL15 up to 1,500 kg	**230 Vac**	BULL15M		CP.BULL-RI*
		BULL15M.S		CP.BULL-RI*

INDUSTRIAL USE

				CONTROL PANELS
BULL20 up to 2,000 kg	**230 Vac**	BULL20M		CP.BULL-RI*
		BULL20M.S		CP.BULL-RI*
	400 Vac intensive use	BULL20T		THINK / START
		BULL20T.S		THINK / START
BISON20 up to 2,000 kg	**230 Vac** intensive use	BISON20 OM		CP.BISON OM*
BISON25 up to 2,500 kg	**230 Vac** three-phase intensive use	BISON25 OTI		CP.BISON OTI*
BISON35 up to 3,500 kg	**230 Vac** three-phase intensive use	BISON35 OTI		CP.BISON OTI*
		BISON35 OTI L		CP.BISON OTI L*
BISON45 up to 4,500 kg	**400 Vac** intensive use	BISON45 OTI		CP.BISON OTI*

*** Built-in control panel**

KPONY

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

with integrated control box and receiver
up to 350 kg

CONTROL PANELS:

PONY ——— **CP.PONY** **p.136**

24 Vdc

- 24 Vdc geared motor with built-in control unit and energy saving ESA SYSTEM
- Amperometric sensor obstacle detection system to prevent crushing
- Battery back up system ready
- The control unit is positioned in such a way as to make programming operations simple, easy and immediate

RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

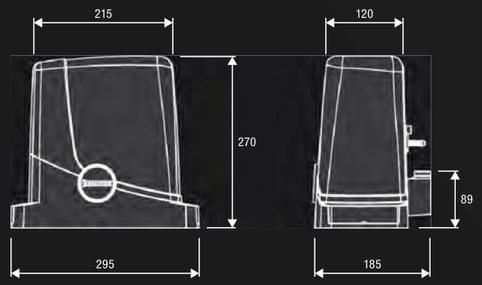
RI.M4P
9272020
M4 Nylon rack with steel core, 28x40x1000 mm. Slotted, supplied with self-drilling screws.
Packaging: 10 pcs

MLS
9387001
Magnetic limit switches for PONY. Suitable for snowy places.

ID.TA
9846019
Warning board.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY



COMPLETE KITS

KPONY 9592170

1 **PONY324** 24 Vdc Operator with control panel and built-in receiver. ESA SYSTEM technology included
1 **PUPILLA.F** Pair of photocells
1 **TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	PONY324
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	0.6 A
Power consumption in stand-by	8 mA
Max Thrust	321 N
Opening speed	10 m/min
Operation cycle	30%
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	350 kg
Driving gear for rack	M4 Z14
Weight	6.8 kg
Version	KIT only
Items no. per pallet	**-**
Kits no. per pallet	**36**

BULL424ESA

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

control with built-in encoder and receiver
personalised release key
up to 450 kg

24 Vdc | intensive use

- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM and encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Battery back up system ready
- Full metal release system
- Magnetic limit switches accessory available (MLS)

CONTROL PANELS:

BULL424ESA → **CP.B24ESA** **p.137**

BULL.P3

Raised foundation plate included.
Floor fixing distance 260 x 117, no. 4 Ø 11,
motor fixing distance 300 x 75 no. 4

RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

RI.M4P
9272020
M4 Nylon rack with steel core, 28x40x1000 mm. Slotted, supplied with self-drilling screws.
Packaging: 10 pcs

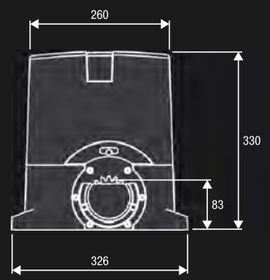
MLS
9387001
Magnetic limit switches for BULL. Suitable for snowy places.

SB.BULL8.F
9747025
Externally fitted anti-intrusion cable unlock device (L=4.5m).

ID.TA
9846019
Warning board.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY



COMPLETE KITS

KBULL424 **9592090**

1 **BULL424ESA** 24 Vdc Operator with control panel and built-in receiver. ESA SYSTEM technology included
1 **PUPILLA.F** Pair of photocells
1 **LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BULL424ESA
Code	9591433
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	0.4 A
Power consumption in stand-by	8 mA
Max Thrust	428 N
Opening speed	6.7-11 m/min
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	450 kg
Driving gear for rack	M4 Z14
Weight	10.2 kg
Items no. per pallet	**36**
Kits no. per pallet	**30**

BULL5M

ENCODER

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

with integrated control box and receiver
personalised release key
up to 500 kg

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
- Full metal release system
- Magnetic limit switches accessory available (MLS)

CONTROL PANELS:

BULL5M ——— CP.CORE p.127

BULL.P3

Raised foundation plate included.
Floor fixing distance 260 x 117, no. 4 Ø 11,
motor fixing distance 300 x 75 no. 4

RI.M4F
9272010

M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.

Packaging: 4 pcs

RI.M4Z
9272030

M4 galvanized rack (22x22x2000 mm).

Packaging: 2 pcs

RI.M4P
9272020

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

Packaging: 10 pcs

MAG.E
9760021

Magnetic sensor device to detect obstacles and manage deceleration.

MLS
9387001

Magnetic limit switches for BULL. Suitable for snowy places.

SB.BULL8.F
9747025

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

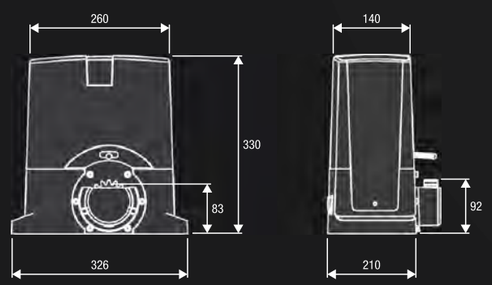
ID.TA
9846019

Warning board.

ESA BASIC
9176108

System that reduces the electrical energy consumption.

MADE IN ITALY



COMPLETE KITS

KBULL5M **9592091**

1 **BULL5M** 230 Vac Operator with control unit and built-in receiver
1 **PUPILLA.F** Pair of photocells
1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BULL5M
Code	9591434
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	1.3 A
Max Thrust	650 N
Opening speed	10,5 m/min
Operation cycle	30%
Protection level	IP44
Operating temperature	-20°C /+50°C
Max gate weight	500 kg
Driving gear for rack	M4 Z18
Weight	10.6 kg
Items no. per pallet	**36**
Kits no. per pallet	**30**

BULL624ESA

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

control with built-in encoder and receiver
personalised release key
up to 600 kg

24 Vdc | intensive use

- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM and encoder
- The encoder device ensures maximum safety and precision in the gate moving phases
- Amperometric sensor obstacle detection system to prevent crushing
- Battery back up system ready
- Full metal release system
- Version with magnetic limit switches available (BULL624ESA.S)

CONTROL PANELS:

BULL624ESA ⟶⊣ **CP.B24ESA** **p.137**

BULL624ESA.S ⊣ **CP.B24ESA** **p.137**

BULL.P3

Raised foundation plate included.
Floor fixing distance 260 x 117, no. 4 Ø 11,
motor fixing distance 300 x 75 no. 4

RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

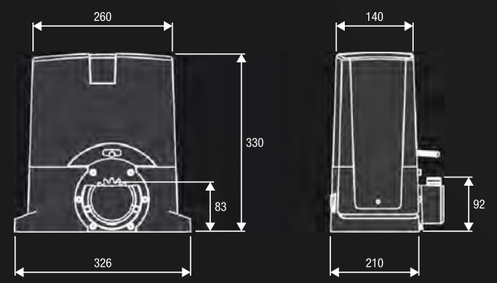
RI.M4P
9272020
M4 Nylon rack with steel core, 28x40x1000 mm. Slotted, supplied with self-drilling screws.
Packaging: 10 pcs

SB.BULL8.F
9747025
Externally fitted anti-intrusion cable unlock device (L=4.5m).

ID.TA
9846019
Warning board.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY



COMPLETE KITS

KBULL624 **9592092**

1 **BULL624ESA** 24 Vdc Operator with control panel and built-in receiver. ESA SYSTEM technology included
1 **PUPILLA.F** Pair of photocells
1 **LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BULL624ESA	BULL624ESA.S
Code	9591465	9591480
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc
Max absorbed current	0.5 A	0.5 A
Power consumption in stand-by	8 mA	8 mA
Max Thrust	857 N	857 N
Opening speed	5.8-9.75 m/min	5.8-9.75 m/min
Operation 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	600 kg	600 kg
Driving gear for rack	M4 Z14	M4 Z14
Weight	11.6 kg	11.6 kg
Items no. per pallet	**36**	**36**
Kits no. per pallet	**30**	**-**

BULL8M

ENCODER

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

control with built-in encoder and receiver
personalised release key
up to 800 kg

BULL.P3

Raised foundation plate included.
Floor fixing distance 260 x 117, no. 4 Ø 11,
motor fixing distance 300 x 75 no. 4

CONTROL PANELS:

BULL8M ——— CP.BULL8-OM p.128

BULL8M.S ——— CP.BULL8-OM p.128

- Electromechanical 230 Vac geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Full metal release system
- Version with magnetic limit switches available (BULL8M.S)

RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

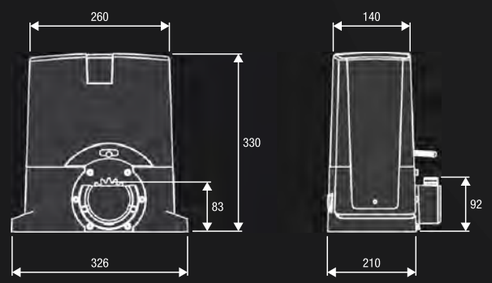
RI.M4P
9272020
M4 Nylon rack with steel core, 28x40x1000 mm. Slotted, supplied with self-drilling screws.
Packaging: 10 pcs

SB.BULL8.F
9747025
Externally fitted anti-intrusion cable unlock device (L=4.5m).

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY



COMPLETE KITS

KBULL8M 9592097

1 **BULL8M** 230 Vac Operator with control unit and built-in receiver
1 **PUPILLA.F** Pair of photocells
1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BULL8M	BULL8M.S
Code	9591522	9591524
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	2.6 A	2.6 A
Max Thrust	940 N	940 N
Opening speed	10.5 m/min	10.5 m/min
Operation cycle	30%	30%
Protection level	IP44	IP44
Magnetic limit switches	**NO**	**YES**
Operating temperature	-20°C /+50°C	-20°C /+50°C
Max gate weight	800 kg	800 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	11.4 kg	11.4 kg
Items no. per pallet	**36**	**36**
Kits no. per pallet	**30**	**-**

ENCODER

AUTOMATIONS FOR SLIDING GATES COMMERCIAL USE

control with built-in encoder and receiver
personalised release key
oil lubrication
up to 800 kg

230 Vac

- Electromechanical 230 Vac geared motor with built-in 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
- Reduced mechanical wear on components
- Full metal release system
- Version with magnetic limit switches available (BULL8OM.S)

CONTROL PANELS:

BULL8 OM ——— CP.BULL8-OM p.128

BULL8 OM.S ——— CP.BULL8-OM p.128

BULL.P3

Raised foundation plate included.
Floor fixing distance 260 x 117, no. 4 Ø 11,
motor fixing distance 300 x 75 no. 4

RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

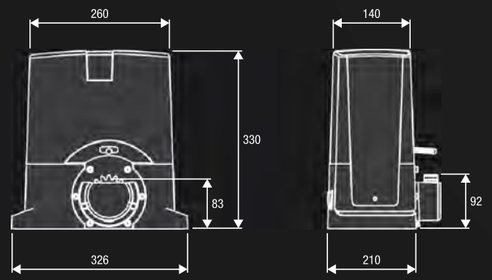
RI.M4P
9272020
M4 Nylon rack with steel core, 28x40x1000 mm. Slotted, supplied with self-drilling screws.
Packaging: 10 pcs

SB.BULL8.F
9747025
Externally fitted anti-intrusion cable unlock device (L=4.5m).

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY



COMPLETE KITS

KBULL8OM 9592098

1 **BULL8OM** 230 Vac Operator with control unit and built-in receiver
1 **PUPILLA.F** Pair of photocells
1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
1 **TOKEY** Metal key selector
1 **TO.GO2WV** 433.92 MHz Transmitter

TECHNICAL DATA	BULL8 OM	BULL8 OM.S
Code	9591523	9591497
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	2.6 A	2.6 A
Max Thrust	940 N	940 N
Opening speed	10.5 m/min	10.5 m/min
Operation cycle	40%	40%
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	800 kg	800 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	14.2 kg	14.2 kg
Items no. per pallet	**36**	**36**
Kits no. per pallet	**30**	**-**

BULL10M / **BULL1024ESA**

AUTOMATIONS FOR SLIDING GATES COMMERCIAL USE

control with built-in encoder and receiver
personalised release key
up to 1,000 kg

CONTROL PANELS:

BULL10M ⟷ CP.BULL-RI p.129

BULL10M.S ⟷ CP.BULL-RI p.129

BULL1024ESA ⟷ CP.B1024ESA p.138

BULL1024ESA.S ⟷ CP.B1024ESA p.138

DESCRIPTION

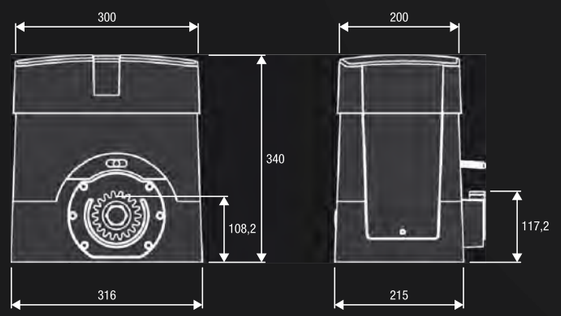
Irreversible electromechanical geared motor equipped with encoder available in 230 Vac or 24 Vdc version. Full metal release system.

230 Vac

- 230 Vac geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Self-ventilating for increased usage intensity
- Version equipped with magnetic limit switches available (BULL10M.S)

24 Vdc | intensive use

- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM and encoder
- Amperometric sensor obstacle detection system to prevent crushing
- Battery back up system ready
- Version equipped with magnetic limit switches available (BULL1024ESA.S)



RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

RI.M6Z
9272040
M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work).

RI.P6
9630001
M6 gear, It needs the rack RI.M6Z.

BULL.PI
9623005
Raised foundation plate. 280 x 170, n.4 Ø 11 floor brackets, 269 x 106 n.4 M10 screws for motor.

SB.BULL20.F
9747026
Externally fitted anti-intrusion cable unlock device (L=4.5m).

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

KSUN
9611004
KIT for system operation via solar panel. For 24 Vdc models.

MADE IN ITALY

TECHNICAL DATA	BULL10M	BULL10M.S	BULL1024ESA	BULL1024ESA.S
Code	9590575	9591016	9591456	9591481
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max absorbed current	1.6 A	1.6 A	1.7 A	1.7 A
Power consumption in stand-by	-	-	8 mA	8 mA
Max Thrust	1000 N	1000 N	940 N	940 N
Opening speed	10.5 m/min	10.5 m/min	11.7 m/min	11.7 m/min
Operation cycle	40%	40%	intensive use	intensive use
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	1000 kg	1000 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight	18.7 kg	18.7 kg	18.7 kg	18.7 kg
Items no. per pallet	**20**	**20**	**20**	**20**

BULL15M

AUTOMATIONS FOR SLIDING GATES COMMERCIAL USE

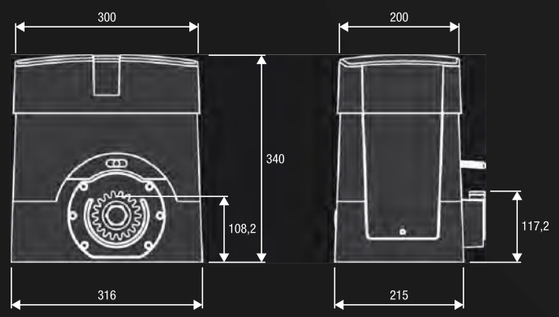
control with built-in encoder and receiver
personalised release key
up to 1,500 kg

CONTROL PANELS:

BULL15M ——— CP.BULL-RI p.129
BULL15M.S ——— CP.BULL-RI p.129

230 Vac

- 230 Vac geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Self-ventilating for increased usage intensity
- Version equipped with magnetic limit switches available (BULL15M.S)



RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

RI.M6Z
9272040
M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work).

RI.P6
9630001
M6 gear, It needs the rack RI.M6Z.

BULL.PI
9623005
Raised foundation plate. 280 x 170, n.4 Ø 11 floor brackets, 269 x 106 n.4 M10 screws for motor.

SB.BULL20.F
9747026
Externally fitted anti-intrusion cable unlock device (L=4.5m).

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY

TECHNICAL DATA	BULL15M	BULL15M.S
Code	9590576	9591017
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac
Max absorbed current	2.5 A	2.5 A
Max Thrust	1250 N	1250 N
Opening speed	10.5 m/min	10.5 m/min
Operation 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	1500 kg	1500 kg
Driving gear for rack	M4 Z18	M4 Z18
Weight	20.1 kg	20.1 kg
Items no. per pallet	**20**	**20**

BULL20M / BULL20T

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

personalised release key
BULL20M: control with built-in encoder and receiver
BULL20T: no control unit
up to 2,000 kg

CONTROL PANELS:

BULL20M — CP.BULL-RI p.129
BULL20M.S — CP.BULL-RI p.129
BULL20T — THINK p.119, START p.120
BULL20T.S — THINK p.119, START p.120

DESCRIPTION

Irreversible electromechanical geared motor available in 230 Vac single phase or 400 Vac three phase version, self ventilated. Full metal release system.

230 Vac

- 230 Vac single phase geared motor with built-in control unit and encoder
- The encoder device ensures crush prevention and precision in the gate moving phases
- Control unit equipped with electronic braking
- Version equipped with magnetic limit switches available (BULL20M.S)

400 Vac

- 400 Vac three phase geared motor with external control unit and electronic braking
- Version equipped with magnetic limit switches available (BULL20T.S)

RI.M4F
9272010
M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers.
Packaging: 4 pcs

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

RI.M6Z
9272040
M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work).

RI.P6
9630001
M6 gear, It needs the rack RI.M6Z.

BULL.PI
9623005
Raised foundation plate. 280 x 170, n.4 Ø 11 floor brackets, 269 x 106 n.4 M10 screws for motor.

SB.BULL20.F
9747026
Externally fitted anti-intrusion cable unlock device (L=4.5m).

RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

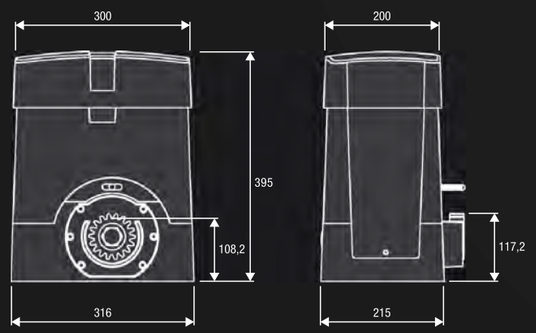
RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY



TECHNICAL DATA	BULL20M	BULL20M.S	BULL20T	BULL20T.S
Code	9590577	9591018	9590578	9591412
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	≋ 400 Vac (50-60Hz)	≋ 400 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	≋ 400 Vac	≋ 400 Vac
Max absorbed current	2.9 A	2.9 A	1.7 A	1.7 A
Max Thrust	1667 N	1667 N	2000 N	2000 N
Opening speed	10.5 m/min	10.5 m/min	10.5 m/min	10.5 m/min
Operation cycle	40%	40%	intensive use	intensive use
Protection level	IP44	IP44	IP44	IP44
Built-in control unit	**YES**	**YES**	**NO**	**NO**
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	2000 kg	2000 kg	2000 kg	2000 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Weight	21.6 kg	21.6 kg	21.6 kg	21.6 kg
Items no. per pallet	**20**	**20**	**20**	**20**

BISON20 OM

ENCODER

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

control unit with built-in receiver and magnetic encoder
oil submerged gear
IP68 limit switch
personalised release key
up to 2,000 kg

CONTROL PANELS:
BISON20 OM —⊣ CP.BISON OM p.130

230 Vac

- Single phase 230 Vac geared motor
- Full metal mechanics and oil lubrication. The type of oil used ensures maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The encoder device ensures precision in the gate moving phases
- Optional built-in FTC.S photocells, available as accessory

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

RI.M6Z
9272040
M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work).

RI.P6
9630001
M6 gear, It needs the rack RI.M6Z.

FTC.S
9409089
24Vac/dc surface mounting photocell. It is possible to synchronised up to 4 couple of photocells.

RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

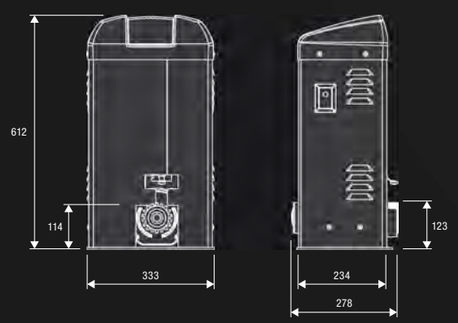
RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY



TECHNICAL DATA	BISON20 OM
Code	9591448
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	3 A
Max Thrust	1100 N
Opening speed	10.5 m/min
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	**OIL**
Max gate weight	2000 kg
Driving gear for rack	M4 Z18
Weight	30 kg
Items no. per pallet	**6**

BISON25 OTI

CONTROL PANELS:

BISON25 OTI ——⊣ CP.BISON OTI p.133

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter
oil submerged gear
IP68 limit switch
personalised release key
up to 2,500 kg

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

RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).
Packaging: 2 pcs

RI.M6Z
9272040
M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work).

RI.P6
9630001
M6 gear, It needs the rack RI.M6Z.

FTC.S
9409089
24Vac/dc surface mounting photocell. It is possible to synchronised up to 4 couple of photocells.

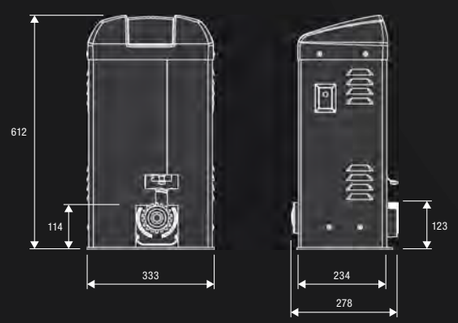
RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ID.TA
9846019
Warning board.

MADE IN ITALY



TECHNICAL DATA	BISON25 OTI
Code	9591449
Power supply	230 Vac (50-60Hz)
Motor supply	≈ 230 Vac
Max absorbed current	8 A
Max Thrust	2500 N
Opening speed	reg. 7-19 m/min
Operation 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	31 kg
Items no. per pallet	**6**

BISON35 OTI

CONTROL PANELS:

BISON35 OTI ⟷ CP.BISON OTI p.133

BISON35 OTI L ⟷ CP.BISON OTI L p.131

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter
oil submerged gear
IP68 limit switch
personalised release key
up to 3,500 kg

FOUNDATION PLATE NOT INCLUDED

230 Vac - 400 Vac

- Three phase electromechanical geared motor available in 230 Vac (can be connected to 230 Vac single phase network) or 400 Vac (can be connected to 400 Vac three phase network)
- 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

RI.M6Z
9272040
M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work).

BISON.P35
9623066
Foundation plate for BISON35 OTI/OTI L with coach screws and support base for height adjustment.

FTC.S
9409089
24Vac/dc surface mounting photocell. It is possible to synchronised up to 4 couple of photocells.

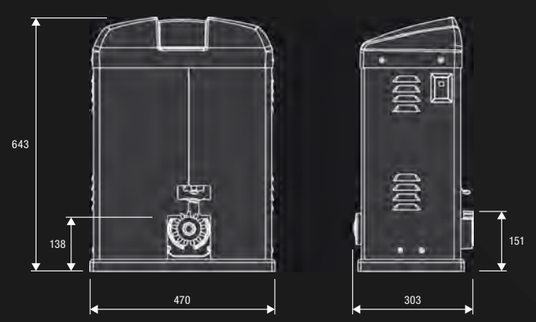
RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ID.TA
9846019
Warning board.

MADE IN ITALY



TECHNICAL DATA	BISON35 OTI	BISON35 OTI L
Code	9592181	9591929
Power supply	≋ 400 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	≋ 400 Vac	≋ 230 Vac
Max absorbed current	3 A	8 A
Max Thrust	3000 N	2500 N
Opening speed	reg. 7-19 m/min	10.5 m/min
Operation cycle	intensive use	intensive use
Protection level	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C
Lubrication	**OIL**	**OIL**
Max gate weight	3500 kg	3500 kg
Driving gear for rack	M6 Z13	M6 Z13
Weight	57 kg	57 kg
Items no. per pallet	**4**	**4**

CONTROL PANELS:

BISON45 OTI ——⊣ CP.BISON OTI p.133

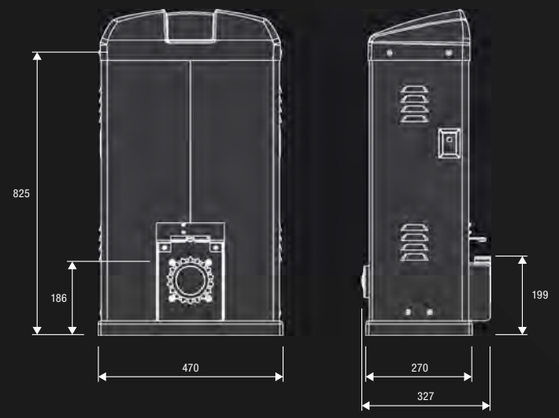
AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

control unit with built-in receiver, magnetic encoder and inverter
oil submerged gear
IP68 limit switch
personalised release key
up to 4,500 kg

FOUNDATION PLATE NOT INCLUDED

400 Vac

- Three phase 400 Vac geared motor, ventilated for intensive use
- Security sensor which interrupts the motor power supply during release operations
- Full metal mechanics and oil lubrication. The type of oil used ensures maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The encoder device ensures precision in the gate moving phases
- 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



RI.M6Z
9272040
M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work).

BISON.P45
9623067
Foundation plate for BISON45 OTI with coach screws and support base for height adjustment

FTC.S
9409089
24Vac/dc surface mounting photocell. It is possible to synchronised up to 4 couple of photocells.

RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ID.TA
9846019
Warning board.

MADE IN ITALY

TECHNICAL DATA	BISON45 OTI
Code	9592183
Power supply	≋ 400 Vac (50-60Hz)
Motor supply	≋ 400 Vac
Max absorbed current	2.85 A
Max Thrust	5000 N
Opening speed	reg. 7-19 m/min
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	**OIL**
Max gate weight	4500 kg
Driving gear for rack	M6 Z18
Weight	75 kg
Items no. per pallet	**4**

BENINCA®
TECHNOLOGY TO OPEN

RESIDENTIAL COMMERCIAL USE

					CONTROL PANELS
ZED counterweight garage doors	**230 Vac**	ZED.RIE			CP.ZED230-E* LOGICA
		ZED.SC			CP.ZED230-E* LOGICA
		ZEDL.RIE			
		ZEDL.SC			
	24 Vdc intensive use	**ZED24.RI**			**CP.ZED24* LOGICA24.RI**
		ZED24.SC			
JIM sectional garage doors	**24 Vdc** intensive use	**JM.3**			**CP.JM3***
		JM.3ESA			**CP.J4ESA***
		JM.4ESA			**CP.J4ESA***

INDUSTRIAL USE

				CONTROL PANELS
VN.S sectional doors rolling doors	**230 Vac**	VN.S20		THINK / START
		VN.S40		THINK / START
	400 Vac	VN.ST20		THINK / START / WAVE
		VN.ST40		THINK / START / WAVE
VN.S industrial sliding doors and folding doors with more than 2 sections	**230 Vac**	VN.S40V		THINK / START / CELL.P
VN.M sectional doors rolling doors	**230 Vac**	VN.M20		THINK / START
		VN.M40		THINK / START
	400 Vac	VN.MT20		THINK / START / WAVE
		VN.MT40		THINK / START / WAVE
VN.M large sectional doors, rolling doors and unbalanced shutters	**400 Vac** intensive use	VN.MT40V		THINK / START / WAVE
ADAM folding door with max 2 wings	**230 Vac**	ADAM		BRAINY
	24 Vdc intensive use	**ADAM24**		**BRAINY24**

*** Built-in control panel**

AUTOMATIONS FOR COUNTERWEIGHT GARAGE DOORS RESIDENTIAL/COMMERCIAL USE

control with built-in encoder and receiver
up to 12.5 m²

DESIGNED TO COMPLY WITH EUROPEAN SAFETY STANDARDS.

CONTROL PANELS:

ZED.RIE	CP.ZED230-E	p.132
ZED.SC	LOGICA	p.116
ZED.LRIE	CP.ZED230-E	p.132
ZED.LSC	LOGICA	p.116
ZED24.RI	**CP.ZED24**	**p.139**
ZED24.SC	**LOGICA24.RI**	**p.124**

DESCRIPTION

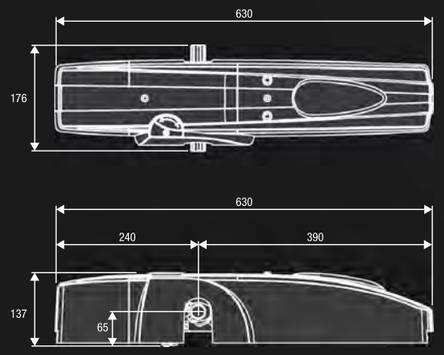
Electromechanical irreversible geared motor for tilt up doors with counterweights for residential use. Available in the 230 Vac and 24 Vdc versions with or without control unit. Courtesy light, limit switch and control buttons built-in.

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

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



AU.125
9623003
1,250 mm Mounting plate.

AU.20
9623002
1,950 mm Mounting plate.

AU.65
9623004
650 mm Mounting plate.

AU2.45T
9868015
Pair of galvanized pipes 150 mm long, with fitting accessories and bush (for lateral mounting).

AU.45Z
9868030

AU.45ZL
9868040
Pair of galvanized pipes with bush, L. 1,500 mm. (AU.45), L. 2,000 mm (AU.45ZL) complete of fitting accessories (for central mounting).

AU2.D45L
9099055
Pair of straight galvanized arms, with welded bush, complete with fitting accessories (L=2,000 mm).

AU2.DNS
9099056
Pair of straight galvanized arms with bush and fitting accessories (L= 600 mm). Welding is not needed (for central mounting).

AU2.C
9099057
Pair of bent galvanized arms, complete with fitting accessories.

AU2.D
9099058
Pair of straight galvanized arms, complete with fitting accessories (L=600 mm).

AU2.D45
9099059
Pair of straight galvanized arms, with welded bush, complete with fitting accessories (L=600 mm).

AU.45B
9117010
Bush.

ZED.MS
9558001
Wire manual unlock device.

ZED.E
9747021
External release unlock device (to be used on lateral mounting).

ZED.SE
9747031
Outdoor unlock device (for central mounting).

MAG.E
9760021
Magnetic sensor device to detect obstacles and manage deceleration.

CABLE.24E
9171002
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.
L= 100 m.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY

TECHNICAL DATA	ZED.RIE	ZED.SC	ZED.LRIE	ZED.LSC	ZED24.RI	ZED24.SC
Code	9591235	9591639	9591234	9591641	9590720	9590522
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	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	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"
Operation cycle	30%	30%	30%	30%	intensive use	intensive use
Protection level	IP40	IP40	IP40	IP40	IP40	IP40
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 door surface	11 m²/max	11 m²/max	12,5 m²/max	12.5 m²/max	10 m²/max	10 m²/max
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**
Weight	10 kg	9.4 kg	10 kg	9.4 kg	10 kg	8 kg
Items no. per pallet	**50**	**50**	**50**	**50**	**50**	**50**

JIM

AUTOMATIONS FOR SECTIONAL GARAGE DOORS RESIDENTIAL/COMMERCIAL USE

belt or chain driven
control with built-in encoder and receiver
1 TO.GO2WV transmitter included
up to 22 m²

RAIL NOT INCLUDED

CONTROL PANELS:

JM.3	**CP.J3M**	**p.140**
JM.3ESA	**CP.J4ESA**	**p.141**
JM.4ESA	**CP.J4ESA**	**p.141**

24 Vdc | intensive use

- Irreversible 24 Vdc geared motor for intensive use
- Adjustable travel with mechanical stops
- Amperometric sensor obstacle detection system to prevent crushing
- Operation guaranteed even during electrical power cut, via batteries which integrate perfectly into the motor
- Step by step command ready
- Built-in energy saving LED courtesy light
- The encoder device ensures maximum safety and precision in the door moving phases

PTC.3
9667090
Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m (for model JM.3/ESA only).
Two pieces 1.5 m each

PTCI.3
9667093
Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m, (for model JM.3/ESA only).
Whole piece 3 m long

PTC.4
9667091
Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m (for model JM.3/JM.3ESA/JM.4ESA).
Two pieces 1.5 m each

PTCL.4
9667092
Pre-assembled and pre-tightened rail with belt for doors up to H 3.5 m (for model JM.3/JM.3ESA/JM.4ESA).
Two pieces 2 m each

PTCI.4
9667094
Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m (for model JM.3/JM.3ESA/JM.4ESA).
Whole piece 3 m long

PTCSXL.4
9667098
Non-assembled rail with belt for doors up to 4.5 m in height (for model JM.3/ JM.3ESA/JM.4ESA).
5 parts of 1 m each

PTC.STOP
9387002
Mechanical stop for belt guide (PTCI.3/PTC.3/ PTC.4/PTCL.4/PTCI.4/ PTCSXL.4).
Available in 5 pcs packing.

P25
9667012
Pre-assembled rail with chain, for doors of max H 2.5 m.
Two pieces 1.4 m each

P25I
9667014
Fully pre-assembled and pre-tensioned rail with chain, for doors of max H 2.5 m.
Whole piece 2.8 m long

P35
9667013
Pre-assembled rail with chain, for doors of max H 3.5 m.
Two pieces 1.8 m each

AU.C25
9099021
Swinging arm for tilt up doors. One mechanical stop for belt guide included.

JK.UL
9747065
Outside key lock for sectional gates.

ZED.MS
9558001
Wire manual unlock device.

PTC.AR
9623399
Bracket for fast ceiling attachment of JIM belt models (PTC).
Available in 5 pcs packing.

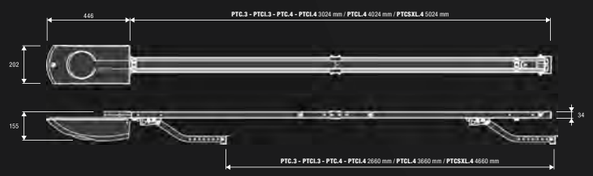
ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the JM.3 model, the use of ESA BASIC is not compatible with the battery operation.

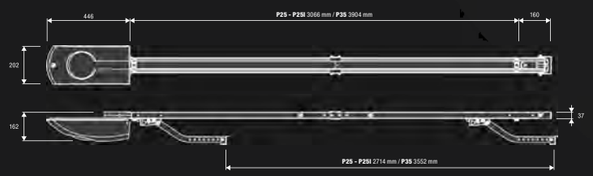
KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY

■ WITH BELT RAIL



■ WITH CHAIN RAIL



COMPATIBILITY CHART

	RAIL	JM.3	JM.3ESA	JM.4ESA
BELT	PTC.3	✓	✓	×
	PTC.4	✓	✓	✓
	PTCI.3	✓	✓	×
	PTCL.4	✓	✓	✓
	PTCI.4	✓	✓	✓
	PTCSXL.4	✓	✓	✓

	RAIL	JM.3	JM.3ESA	JM.4ESA
CHAIN	P25	✓	✓	✓
	P25I	✓	✓	✓
	P35	✓	✓	✓

✓ Compatible × Not Compatible

TECHNICAL DATA	JM.3	JM.3ESA	JM.4ESA
Code	9590683	9591458	9591368
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	24 Vdc	24 Vdc	24 Vdc
Max absorbed current	0.7 A	0.7 A	1.5 A
Power consumption in stand-by	60 mA	8 mA	8 mA
Thrust	600 N	600 N	1200 N
Opening speed	8.9 m/1'	8.9 m/1'	8.9 m/1'
Operation cycle	intensive use	intensive use	intensive use
Protection level	IP 40	IP 40	IP 40
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max door surface	11 m²/max	11 m²/max	22 m²/max
Limit switch	electronic with encoder	electronic with encoder	electronic with encoder
Weight	6.2 kg	6.2 kg	7.6 kg
Items no. per pallet	**50**	**50**	**50**

AUTOMATIONS FOR SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

up to 40 m²

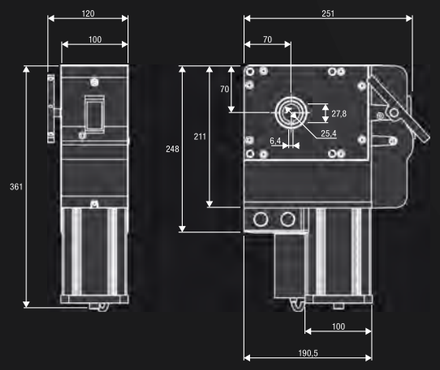
ON DEMAND THE OPERATORS CAN BE EQUIPPED WITH ELECTRIC BRAKE

CONTROL PANELS:

VN.S20	THINK	p.119
	START	p.120
VN.S40	THINK	p.119
	START	p.120
VN.ST20	THINK	p.119
	START	p.120
	WAVE	p.121
VN.ST40	THINK	p.119
	START	p.120
	WAVE	p.121

230 Vac - 400 Vac

- Irreversible electromechanical geared motor with rapid release available in the single phase 230 Vac and three phase 400 Vac version
- Models with a reduction ratio of 1/20 or 1/40 are available for both versions, to cater for different application needs
- Two accessories are available for the chain drive with a reduction ratio of 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Easy and precise limit switch position adjustment
- Maximum security guaranteed even in the phases where the quick release is actuated, thanks to a micro-switch that interrupts the power supply to the engine
- The oil bath submerged gears with hardened steel screws and bronze gear ensures high performance, maximum reliability and low noise



VN.A30
9004005
Shaft adapter Ø 30 mm.

VN.A3175
9004004
Shaft adapter Ø 31.75 mm.

VN.A40
9004006
Shaft adapter Ø 40 mm.

VN.RV
9520016
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
9520015
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
9670051
Industrial keypad fitted with 2 contacts that are normally open.

IPB.NC
9670050
Industrial keypad fitted with a contact that is normally open and a contact normally closed.

RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ESA BASIC
9176108
System that reduces the electrical energy consumption.

TECHNICAL DATA	VN.S20	VN.S40	VN.ST20	VN.ST40
Code	9590240	9590242	9590241	9590243
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" (25.4mm)	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)
Limit switch red. ratio	1/20	1/40	1/20	1/40
Operation 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
Max door surface	35 m²/max	35 m²/max	40 m²/max	40 m²/max
Lubrication	**OIL**	**OIL**	**OIL**	**OIL**
Weight	14.7 kg	14.7 kg	14.7 kg	14.7 kg
Items no. per pallet	**48**	**48**	**48**	**48**

MADE IN ITALY

AUTOMATIONS FOR SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

up to 40 m²

WITH MANUAL EMERGENCY CHAIN OVERRIDE

CONTROL PANELS:

VN.M20 — THINK p.119, START p.120

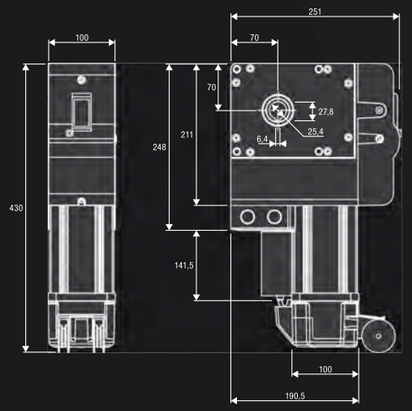
VN.M40 — THINK p.119, START p.120

VN.MT20 — THINK p.119, START p.120, WAVE p.121

VN.MT40 — THINK p.119, START p.120, WAVE p.121

230 Vac - 400 Vac

- Irreversible electromechanical geared motor with manual emergency chain override available in both the 230 Vac single phase and the 400 Vac three phase versions
- Models with a reduction ratio of 1/20 or 1/40 are available for both versions, to cater for different application needs
- Two accessories are available for the chain drive with a reduction ratio of 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Easy and precise limit switch position adjustment
- Maximum security guaranteed even in manual manoeuvre phases, thanks to a micro-switch that interrupts the power supply to the engine
- The oil bath submerged gears with hardened steel screws and bronze gear ensures high performance, maximum reliability and low noise



VN.A30
9004005
Shaft adapter Ø 30 mm.

VN.A3175
9004004
Shaft adapter Ø 31.75 mm.

VN.A40
9004006
Shaft adapter Ø 40 mm.

VN.RV
9520016
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
9520015
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
9162011
Chain extension for VN.M.

IPB.NO
9670051
Industrial keypad fitted with 2 contacts that are normally open.

IPB.NC
9670050
Industrial keypad fitted with a contact that is normally open and a contact normally closed.

RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY

TECHNICAL DATA	VN.M20	VN.M40	VN.MT20	VN.MT40
Code	9590235	9590237	9590236	9590238
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" (25.4mm)	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)
Limit switch red. ratio	1/20	1/40	1/20	1/40
Operation 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
Max door surface	35 m²/max	35 m²/max	40 m²/max	40 m²/max
Lubrication	**OIL**	**OIL**	**OIL**	**OIL**
Weight	18.5 kg	18.5 kg	18.5 kg	18.5 kg
Items no. per pallet	**48**	**48**	**48**	**48**

VN.MT40V

CONTROL PANELS:

VN.MT40V — THINK p.119 / START p.120 / WAVE p.121

AUTOMATIONS FOR LARGE SECTIONAL DOORS, ROLLING DOORS AND UNBALANCED SHUTTERS INDUSTRIAL USE

400 Vac

- Irreversible electromechanical geared motor equipped with manual chain override and emergency release
- Ventilated motor ideal for intensive use and equipped with electric brake
- Two accessories are available for the chain drive with a reduction ratio of 1:1 (off-axis motor installation) or 1:1.8 (torque or speed multipliers)
- Easy and precise limit switch position adjustment
- Maximum security guaranteed even in manual manoeuvre phases, thanks to a micro-switch that interrupts the power supply to the engine
- Oil bath submerged gears with hardened steel screws and bronze gear

VN.A30
9004005
Shaft adapter Ø 30 mm.

VN.A3175
9004004
Shaft adapter Ø 31.75 mm.

VN.A40
9004006
Shaft adapter Ø 40 mm.

VN.RV
9520016
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
9520015
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
9162011
Chain extension for VN.M.

IPB.NO
9670051
Industrial keypad fitted with 2 contacts that are normally open.

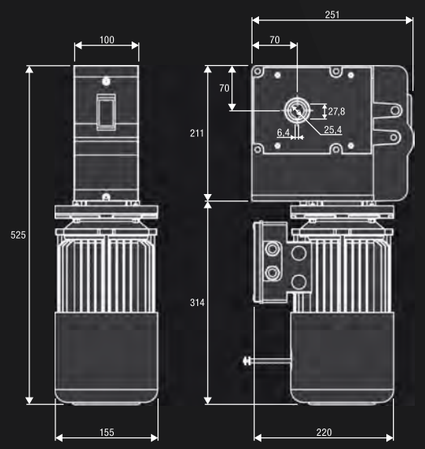
IPB.NC
9670050
Industrial keypad fitted with a contact that is normally open and a contact normally closed.

RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

MADE IN ITALY



TECHNICAL DATA	VN.MT40V
Code	9590377
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" (25.4mm)
Limit switch red. ratio	1/40
Operation cycle	intensive use
Protection level	IP40
Operating temperature	-20°C /+50°C
Lubrication	**OIL**
Weight	23 kg
Items no. per pallet	**30**

VN.S40V

CONTROL PANELS:

VN.S40V — THINK p.119 / START p.120 / CELL.P p.117

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

230 Vac

- Irreversible electromechanical geared motor
- Built-in wire release and handle
- Maximum security guaranteed even in the phases where the quick release is actuated, thanks to a micro-switch that interrupts the power supply to the engine
- Easy and precise limit switch position adjustment
- The oil bath submerged gears with hardened steel screws and bronze gear ensures high performance, maximum reliability and low noise

VN.CT
9162010
1/2" chain. Packing 5m.

VN.GT
9424010
Joint for chain VN.CT.

VN.T
9857016
Chain tightener.

VN.S
9819020
Door fitting brackets for VN.T.

IPB.NO
9670051
Industrial keypad fitted with 2 contacts that are normally open.

IPB.NC
9670050
Industrial keypad fitted with a contact that is normally open and a contact normally closed.

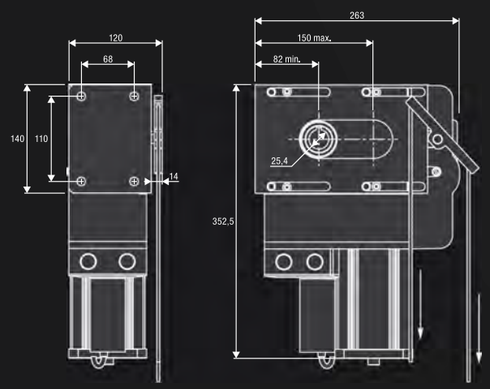
RF.SUN
9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)

RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)

SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)

ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY



TECHNICAL DATA	VN.S40V
Code	9590239
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" (25.4mm)
Limit switch red. ratio	1/40
Operation cycle	40%
Protection level	IP40
Operating temperature	-20°C /+50°C
Max door weight	800 kg
Lubrication	**OIL**
Weight	15 kg
Items no. per pallet	**48**

CONTROL PANELS:

ADAM ——— BRAINY p.112

ADAM24 ——— BRAINY24 p.122

AUTOMATIONS FOR FOR FOLDING DOOR WITH MAX 2 WINGS INDUSTRIAL USE

with built-in encoder device

DESCRIPTION

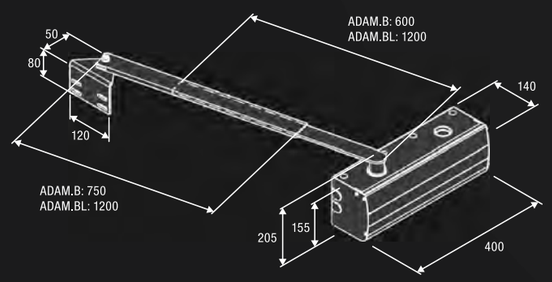
Irreversible electromechanical geared motor available in 230 Vac or 24 Vdc with encoder. Simple and quick to install, equipped with wire quick release. Accessory for led courtesy lights available.

230 Vac

- Irreversible 230 Vac geared motor
- The presence of the encoder ensures crush prevention 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
9099004
Galvanized telescopic arm with welded bush, complete with fixing accessories (L=600 mm).

ADAM.BL
9099005
Galvanized telescopic arm with welded bush, complete with fixing accessories (L=1200 mm).

ADAM.LED
9550000
Accessory for LED courtesy lights available on ADAM/ADAM24.

VN.MS
9558010
Accessory for unlock device with handle.

FC.ADAM
9387003
Limit switch kit for ADAM/ADAM24.

ID.TA
9846019
Warning board.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY

TECHNICAL DATA	ADAM	ADAM.24
Code	9591905	9591906
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	24 Vdc
Max absorbed current	1.75 A	8 A
Torque	350 Nm	260 Nm
Operation 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	**24**	**24**

BENINCA®
TECHNOLOGY TO OPEN

ROAD BARRIERS

			CONTROL PANELS
LADY up to 4 m	24 Vdc intensive use	**LADY** **LADY.I**	**DA.24V*** **DA.24V***
LADY.5 up to 5 m	24 Vdc intensive use	**LADY.5** **LADY.5I**	**DA.24V*** **DA.24V***
EVA.5 up to 5 m	24 Vdc intensive use	**EVA.5**	**CP.EVA***
VE.500 up to 5 m	24 Vdc intensive use	**VE.500**	**DA.24V***
VE.650 up to 6.5 m	24 Vdc intensive use	**VE.650** **VE650I**	**DA.24V*** **DA.24V***
EVA.7 up to 7 m	24 Vdc intensive use	**EVA.7**	**CP.EVA***

CAR PARK SAVER

			CONTROL PANELS
VE.SOR automatic	24 Vdc intensive use	**VE.SOR**	**DA.S04**
VE.SOM manual		**VE.SOM**	**---**

* Built-in control panel

EVA.5

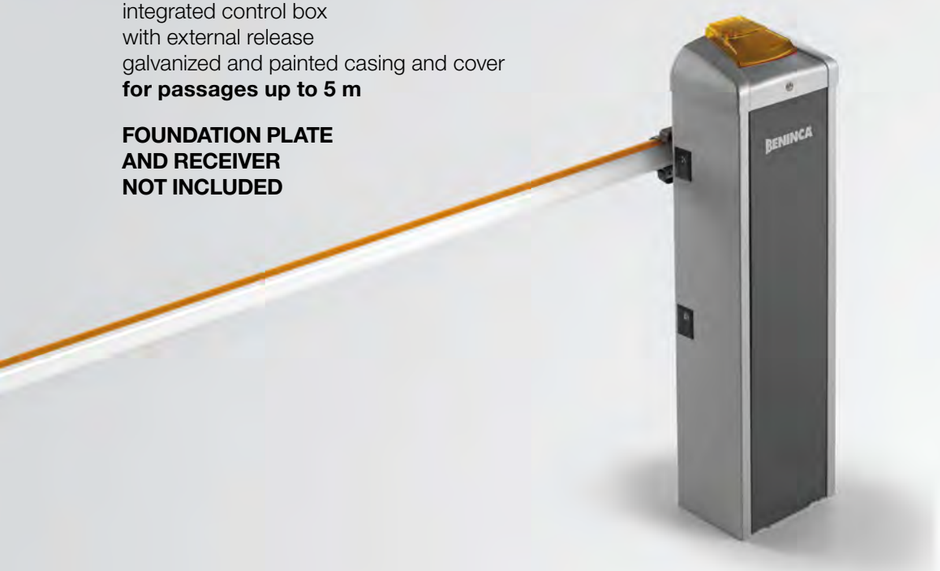
CONTROL PANELS:

EVA.5 ——— **CP.EVA** **p.142**

ROAD BARRIERS

integrated control box
with external release
galvanized and painted casing and cover
for passages up to 5 m

FOUNDATION PLATE AND RECEIVER NOT INCLUDED



24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use.
  The barrier can be easily switched over to the other side.
- Easy and fast programming of the control panel thanks to its being positioned on the top of the road barrier
- Extremely easy use and programming of the road barrier
- Possibility of integrated FTC.S photocells thanks to the innovative hide-away system
- Possibility of battery back up system
- Amperometric anticrushing control

- New fast acting release
- Elliptical rod with built-in rubber profile and optional built-in led lights
- Built-in flasher (requires EVA.LAMP card accessory)
- Three adjustable limit switches for the braking phases and the closure position
- 2 adjustable mechanical stops
- Simple, quick and reliable rod balancing system
- Foundation plate accessory with VE.PS coach screws

EVA5.A
9081005
Elliptical arm of painted aluminium complete with cap and anti-collision rubber profile. (L. 5m) Available in two pieces with joint (EVA5.2A).

EVA5.G
9424002
Aluminium joint for EVA5.2A.

VE.PS
9623068
Foundation plate with coach screws for EVA.5.

VE.TERM
9864010
Thermostat for very cold places.

VE.AM
9078020
Mobile support for bars.

VE.RAST
9672010
Aluminium rack L= 2 m. H= 60 cm

EVA.AF
9078035
Painted fixed support.

EVA.L
9534002
Flashing light set for EVA5.A.

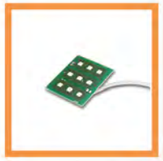
EVA.SUP
9819035
Support for EVA internal accessories.

VE.KM1HN
9614267

VE.KM2HN
9614268
Single/two-channel loop detector.

VE.CS
9760050
Traffic-light control unit for LED.TL.

LED.TL
9766003
2 light 230 Vac LED traffic light.



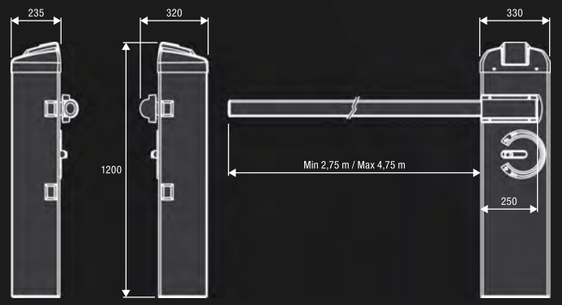
EVA.LAMP
9534003
Circuit for EVA.5 / EVA.7 flashing light.

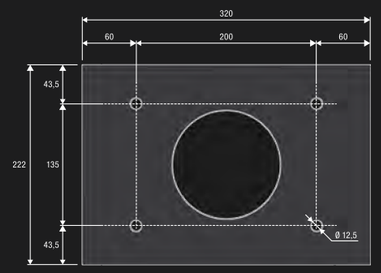
EVA.CAT5
9549030
Set of 20 adhesive refractor strips for EVA5.A.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the EVA.5 model, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY





VE.PS

ACCESSORIES FOR USE	BAR LENGHT (m)				
	3	3.5	4	4.5	5
EVA5.A	C	C	B	B	A
EVA5.A + VE.RAST	C	B	B	A	A
EVA5.A + VE.AM	C	C	B	B	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

TECHNICAL DATA	EVA.5
Code	9083106
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	1.6 A
Torque	205 Nm
Opening time	3" - 5"
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	55 kg
Items no. per pallet	**9**

Key: EVA5.A: Shank with rubber and upper profile / VE.RAST: Aluminium skirt / VE.AM: Mobile support for bar / SC.RES: Sensitive resistive edge (complying with annexe 4 of the Machines Directive.
Attention: The installation of the VE.RAST interferes with the use of the SC.RES and vice versa. The installation of the EVA.L lights kit does not influence the balancing of the bar.

EVA.7

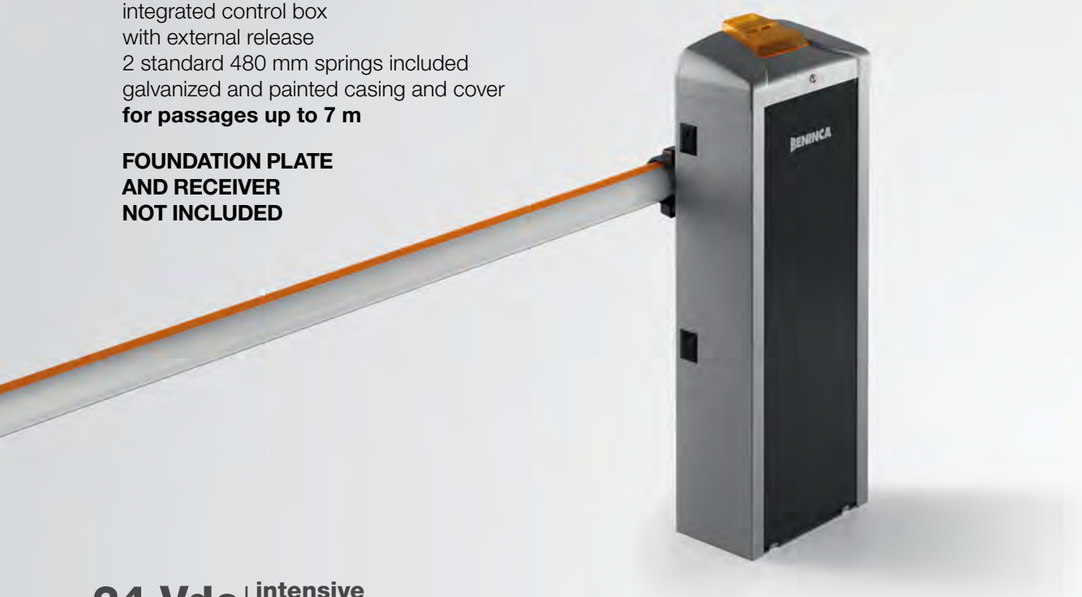
CONTROL PANELS:

EVA.7 ——⊣ **CP.EVA** **p.142**

ROAD BARRIERS

integrated control box
with external release
2 standard 480 mm springs included
galvanized and painted casing and cover
for passages up to 7 m

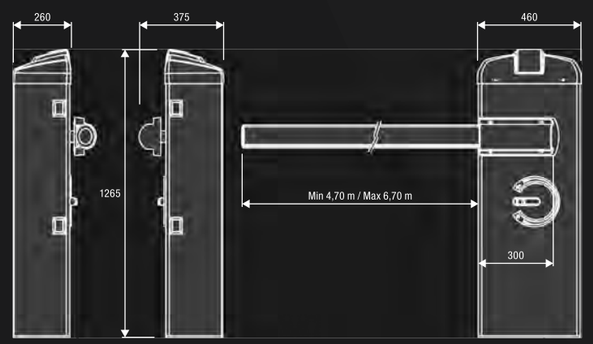
FOUNDATION PLATE AND RECEIVER NOT INCLUDED

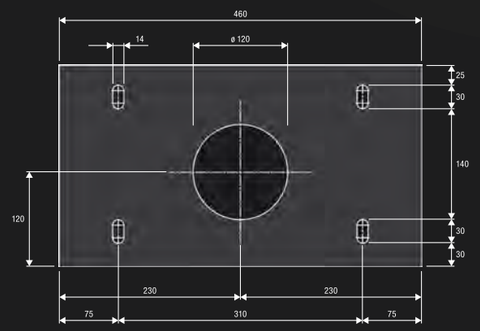


24 Vdc | intensive use

- 24 Vdc electromechanical barrier for intensive use.
  The barrier can be easily switched over to the other side.
- Easy and fast programming of the control panel thanks to its being positioned on the top of the road barrier
- Extremely easy use and programming of the road barrier
- Possibility of integrated FTC.S photocells thanks to the innovative hide-away system
- Possibility of battery back up system
- Amperometric anticrushing control

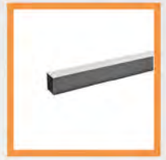
- New fast acting release (available from july 2014)
- Elliptical rod with built-in rubber profile and optional built-in led lights
- Built-in flasher (requires EVA.LAMP card accessory)
- Three adjustable limit switches for the braking phases and the closure position
- 2 adjustable mechanical stops
- Simple, quick and reliable rod balancing system
- Foundation plate accessory with VE.P650 coach screws





VE.P650

EVA7.A
9081006
Elliptical arm of painted aluminium complete with cap, and anti-collision rubber profile (L. 7m). Available in two pieces with joint (EVA7.2A).



EVA7.G
9424003
Aluminium joint for EVA7.2A.

VE.P650
9623069
Foundation plate with coach screws for EVA.7.

VE.TERM
9864010
Thermostat for very cold places.

VE.AM
9078020
Mobile support for bars.

VE.RAST
9672010
Aluminium rack L= 2 m. H= 60 cm

EVA.AF
9078035
Painted fixed support.

EVA.L
9534002
Flashing light set for EVA7.A.

EVA.SUP
9819035
Support for EVA internal accessories.

VE.KM1HN
9614267

VE.KM2HN
9614268
Single/two-channel loop detector.

VE.CS
9760050
Traffic-light control unit for LED.TL.

LED.TL
9766003
2 light 230 Vac LED traffic light.

EVA.LAMP
9534003
Circuit for EVA.5 / EVA.7 flashing light.

EVA.CAT7
9549031
Set of 20 adhesive refractor strips for EVA7.A.

EVA.KM
9576001
Spring for EVA.7 (364 mm).

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the EVA.7 model, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY

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 EVA.L lights kit does not influence the balancing of the bar.

TECHNICAL DATA	EVA.7
Code	9083108
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	1.6 A
Torque	285 Nm
Opening time	5" - 7"
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	105 kg
Items no. per pallet	**6**

LADY

CONTROL PANELS:

LADY ——— **DA.24V** **p.143**

ROAD BARRIERS

integrated control box
for passages up to 4 m

FOUNDATION PLATE AND RECEIVER NOT INCLUDED

24 Vdc | intensive use

- Electromechanical 24 Vdc right barrier for intensive use. The barrier can be easily converted to left operation
- Manual release with external activation
- Optional built-in FTC.S photocells thanks to the innovative hide-away system that allows for their perfect integration
- 2 adjustable mechanical stops
- Optional battery powered operation
- Amperometric sensor obstacle detection system to prevent crushing
- Three adjustable limit switches for the braking phases and the closure position
- Stainless steel version LADY.I available
- Simple, quick and reliable rod balancing system
- Foundation plate accessory with VE.PS coach screws

LADY.A
9081001
4.2 m aluminium arm with caps included (4200x60x38mm). Available in two pieces needs the joint (LADY.GT).

LADY.P
9081002
4.2 m white painted aluminium arm. Caps are included. Provided with red rubber profiles.

LADY.GT
9424001
Aluminium joint for LADY.A.

VE.PS
9623068
Foundation plate with coach screws for LADY.

VE.TERM
9864010
Thermostat for very cold places.

VE.AM
9078020
Mobile support for bars.

VE.RAST
9672010
Aluminium rack L= 2 m. H= 60 cm

VE.AF
9078010

VE.AFI
9078015
Painted/ Stainless steel fixed support for bars.

LADY.COL
9230001
Support for the installation of a second pair of photocell.

LADY.SN
9780001
Articulated joint set for LADY.A / LADY.P (rubber profiles must be removed). It compromises the use of any other accessory.

LADY.L
9534001
Flashing light set for LADY.P.

VE.KM1HN
9614267

VE.KM2HN
9614268
Single/two-channel loop detector.

VE.CS
9760050
Traffic-light control unit for LED.TL.

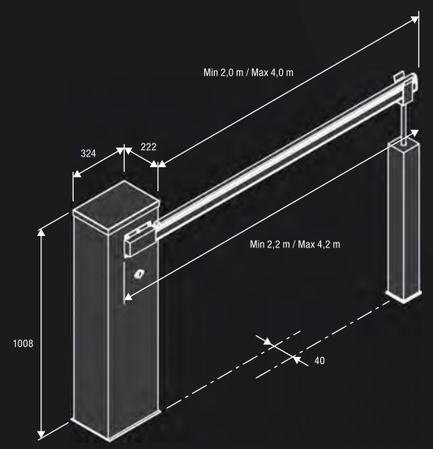
LED.TL
9766003
2 light 230 Vac LED traffic light.

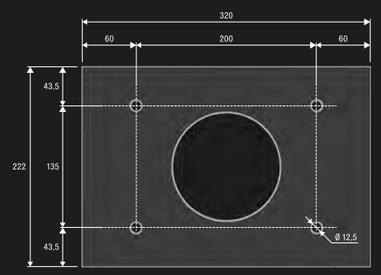
VE.CAT500
9549020
Set of 20 adhesive refractor strips for LADY.A / LADY.P.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the LADY model, the use of ESA BASIC is not compatible with the battery operation.

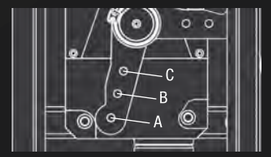
KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY





VE.PS



ACCESSORIES FOR USE	BAR LENGHT (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
Code	9083098
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	1.6 A
Torque	205 Nm
Opening time	3" - 5"
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	52 kg
Items no. per pallet	**9**

LADY.5

ROAD BARRIERS

integrated control box
for passages up to 5 m

FOUNDATION PLATE AND RECEIVER NOT INCLUDED

CONTROL PANELS:

LADY.5 ——— **DA.24V** **p.143**

24 Vdc | intensive use

- Electromechanical 24 Vdc right barrier for intensive use. The barrier can be easily converted to left operation
- Manual release with external activation
- Optional built-in FTC.S photocells thanks to the innovative hide-away system that allows for their perfect integration
- 2 adjustable mechanical stops
- Optional battery powered operation
- Amperometric sensor obstacle detection system to prevent crushing
- Three adjustable limit switches for the braking phases and the closure position
- Stainless steel version LADY.5I available
- Simple, quick and reliable rod balancing system
- Foundation plate accessory with VE.PS coach screws

LADY.P5
9081027
5.2 m white painted aluminium arm. Caps are included. Provided with red rubber profiles.

VE.PS
9623068
Foundation plate with coach screws for LADY.5.

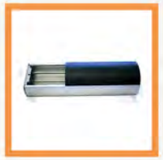
VE.TERM
9864010
Thermostat for very cold places.

VE.AM
9078020
Mobile support for bars.

VE.RAST
9672010
Aluminium rack L= 2 m. H= 60 cm

VE.AF
9078010

VE.AFI
9078015
Painted/ Stainless steel fixed support for bars.



LADY.COL
9230001
Support for the installation of a second pair of photocell.

LADY.SN
9780001
Articulated joint set for LADY.P5 (rubber profiles must be removed). It compromises the use of any other accessory.

LADY.L
9534001
Flashing light set for LADY.P5.

VE.KM1HN
9614267

VE.KM2HN
9614268
Single/two-channel loop detector.

VE.CS
9760050
Traffic-light control unit for LED.TL.

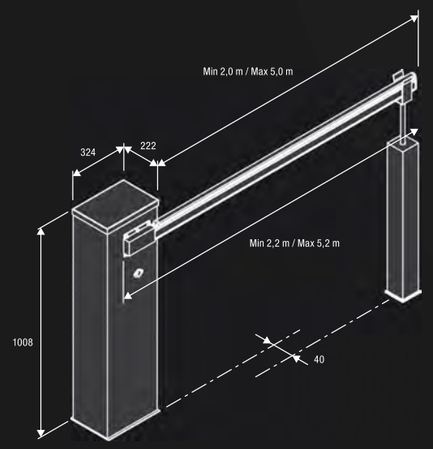
LED.TL
9766003
2 light 230 Vac LED traffic light.

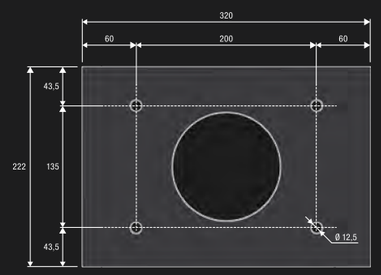
VE.CAT500
9549020
Set of 20 adhesive refractor strips for LADY.P5.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the LADY.5 model, the use of ESA BASIC is not compatible with the battery operation.

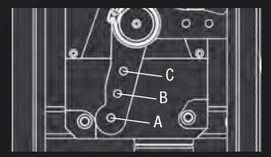
KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY





VE.PS



ACCESSORIES FOR USE	BAR LENGHT (m)						
	2.2	2.7	3.2	3.7	4.2	4.7	5.2
No accessories	---	C	C	B	B	B	A
LADY.P (only upper)	C	C	C	B	B	A	A
LADY.P (upper and lower)	C	C	C	B	B	A	A
VE.RAST	C	C	B	B	A	A	---
LADY.P (only upper) + VE.RAST	C	C	B	A	A	---	---
LADY.P (only upper) + VE.AM	C	C	C	B	A	A	A
LADY.P (upper and lower) + VE.AM	C	C	B	B	A	A	---
LADY.P (only upper) + VE.RAST + VE.AM	C	B	B	A	A	---	---
SC.RES	C	C	B	B	A	A	---
LADY.P (only upper) + SC.RES	C	C	B	A	A	---	---
SC.RES + VE.AM	C	B	B	A	A	---	---
LADY.P (only upper) + SC.RES + VE.AM	C	B	B	A	A	---	---
VE.RAST + VE.AM	C	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
Code	9083052
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	1.6 A
Torque	205 Nm
Opening time	3" - 5"
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	52 kg
Items no. per pallet	**9**

VE.500

ROAD BARRIERS

integrated control box
equipped with 1 white spring
for passages up to 5 m

FOUNDATION PLATE AND RECEIVER NOT INCLUDED

CONTROL PANELS:

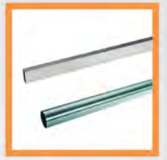
VE.500 ——— **DA.24V** **p.143**

24 Vdc | intensive use

- Electromechanical 24 Vdc right barrier for intensive use. The barrier can be easily converted to left operation
- Optional built-in FTC.S photocells thanks to the innovative hide-away system that allows for their perfect integration
- 2 adjustable mechanical stops
- Optional battery powered operation
- Amperometric sensor obstacle detection system to prevent crushing
- Three adjustable limit switches for the braking phases and the closure position
- Foundation plate accessory with VE.P500 coach screws

VE.500S
9081023
5m white painted, aluminium arm. Caps are included (5000x63x38,5). Available in two pieces, needs the joint (VE.GT24S).

VE.C500
9081024
Ø 70 mm white painted aluminium round section arm. Caps are included. L=5000 mm. Suitable for very windy places. Available in two pieces needs the joint (VE.GT70).



VE.GT24S
9424037
Aluminium joint for VE.500S.

VE.GT70
9424005
Aluminium joint for VE.C500.

VE.RP
9270001
Protection rubber for VE.500S with aluminium profile and caps.
Packing: 10m

VE.P500
9623070
Foundation plate with coach screws for VE.500.

VE.TERM
9864010
Thermostat for very cold places.

VE.AM
9078020
Mobile support for bars.

VE.RAST
9672010
Aluminium rack L= 2 m. H= 60 cm

VE.AF
9078010

VE.AFI
9078015
Painted/ Stainless steel fixed support for bars.

VE.KMB
9576190

VE.KMG/N
9576210 / 9576220
Spring for VE.500 yellow, neutral or white.

VE.KM24
9576040
Set of 3 springs for VE.500: yellow, neutral, white.

VE.SN500
9780033
Articulated joint set for VE.500S (rubber profiles must be removed). It compromises the use of any other accessory.

VE.L500
9534050
Flashing light set for VE.500S.

VE.KM1HN
9614267

VE.KM2HN
9614268
Single/two-channel loop detector.

VE.CS
9760050
Traffic-light control unit for LED.TL.

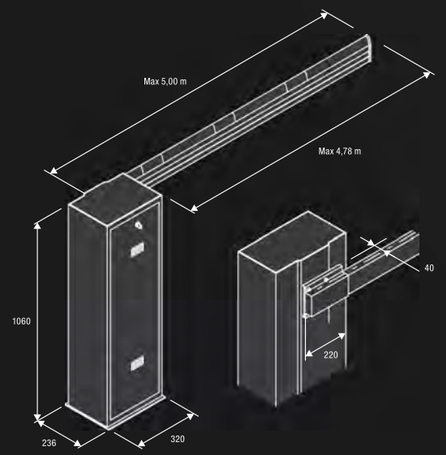
LED.TL
9766003
2 light 230 Vac LED traffic light.

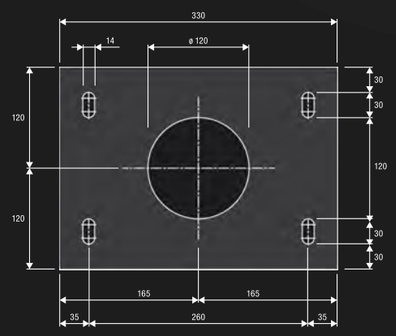
VE.CAT500
9549020
Set of 20 adhesive refractor strips for VE.500S/VE.C500.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the VE.500 model, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY





VE.P500

ACCESSORIES FOR USE	TYPE OF SPRING	BAR LENGTH (m)
VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP	1 yellow	2
---	1 yellow	2,5
VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP	1 neutral	2,5
VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP	1 neutral	3
VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP	1 neutral	3,5
VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP - VE.RAST	1 neutral	4
VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP - VE.RAST	1 white	4,5
VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP	1 white	5

Installations of VE.RAST, SC.RES and VE.RP are mutually exclusive.

TECHNICAL DATA	VE.500
Code	9083102
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	1.6 A
Torque	205 Nm
Opening time	3" - 5"
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	55.2 kg
Items no. per pallet	**9**

VE.650

CONTROL PANELS:

VE.650 ——— **DA.24V** **p.143**

ROAD BARRIERS

integrated control box
equipped with 2 neutral springs
for passages up to 6.5 m

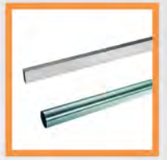
FOUNDATION PLATE AND RECEIVER NOT INCLUDED

24 Vdc | intensive use

- Electromechanical 24 Vdc right barrier for intensive use. The barrier can be easily converted to left operation
- Optional built-in FTC.S photocells thanks to the innovative hide-away system that allows for their perfect integration
- 2 adjustable mechanical stops
- Optional battery powered operation
- Amperometric sensor obstacle detection system to prevent crushing
- Three adjustable limit switches for the braking phases and the closure position
- Stainless steel version VE.650I available
- Foundation plate accessory with VE.P650 coach screws

VE.650A
9081030
6,5 m white painted, aluminium arm. Caps are included (6500x100x40). For VE.650/I. Available in two pieces needs the joint (VE.GT24).

VE.C650
9081026
Ø 90 mm white painted aluminium round section arm. Caps are included L=6500mm. Suitable for very windy places. Available in two pieces needs the joint (VE.GT90).



VE.GT24
9424035
Aluminium joint for VE.650A.

VE.GT90
9424006
Aluminium joint for VE.C650.

VE.RP
9270001
Protection rubber for VE.650A with aluminium profile and caps.
Packing: 10m

VE.P650
9623069
Foundation plate with coach screws for VE.650.

VE.TERM
9864010
Thermostat for very cold places.

VE.AM
9078020
Mobile support for bars.

VE.RAST
9672010
Aluminium rack L= 2 m. H= 60 cm

VE.AF
9078010

VE.AFI
9078015
Painted/ Stainless steel fixed support for bars.

VE.KMB
9576190

VE.KMG/N
9576210 / 9576220
Spring for VE.650/I yellow, neutral or white.

VE.KM24
9576040
Set of 3 springs for VE.650/I: yellow, neutral, white.

VE.L650
9534060
Flashing light set for VE.650A.

VE.KM1HN
9614267

VE.KM2HN
9614268
Single/two-channel loop detector.

VE.CS
9760050
Traffic-light control unit for LED.TL.

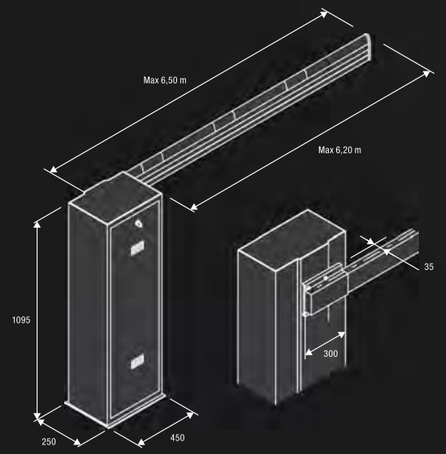
LED.TL
9766003
2 light 230 Vac LED traffic light.

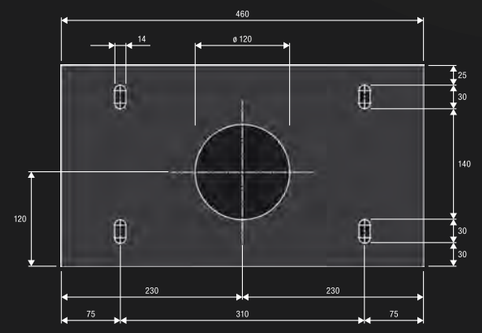
VE.CAT650
9549010
Set of 20 adhesive refractor strips for VE.650A/VE.C650.

ESA BASIC
9176108
System that reduces the electrical energy consumption. In the VE.650 model, the use of ESA BASIC is not compatible with the battery operation.

KSUN
9611004
KIT for system operation via solar panel.
For 24 Vdc models.

MADE IN ITALY





VE.P650

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.

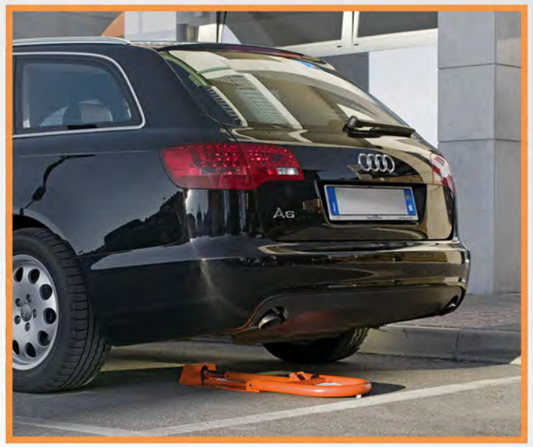
TECHNICAL DATA	VE.650
Code	9083104
Power supply	230 Vac (50-60Hz)
Motor supply	24 Vdc
Max absorbed current	1.6 A
Torque	285 Nm
Opening time	5" - 7"
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Weight	80.2 kg
Items no. per pallet	**9**

CONTROL PANELS:

VE.SOR ——— **DA.S04** **p.125**

CAR PARK SAVER

available in automatic or manual version



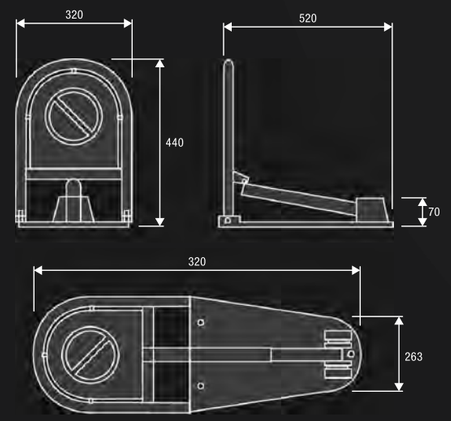
ESA BASIC
9176108

System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.

24 Vdc | intensive use

- Automation that safeguards the private car parks
- Easy and fast installation on the ground
- Automatic and manual versions available

MADE IN ITALY



TECHNICAL DATA	VE.SOM	VE.SOR
Code	9082040	9082030
Operating way	manual	24 Vdc / automatic
Power supply	-	230 Vac (50-60Hz)
Motor supply	-	24 Vdc
Max absorbed current	-	2 A
Opening time	-	9"
Operation cycle	-	intensive use
Protection level	-	IP54
Operating temperature	-	-20°C /+50°C
Weight	6.8 kg	7.5 kg
Items no. per pallet	**22**	**22**

BENINCA®
TECHNOLOGY TO OPEN

EXTERNAL CONTROL PANELS

- **230 Vac** single-phase
  - **1 motor**
    - swinging gates → HEADY
    - swinging and sliding gates → BRAINY, CORE
    - sliding gates → MATRIX
    - counterweight garage doors → LOGICA
    - industrial sliding doors, folding doors with more than two sections and shutters → CELL.P
  - **2 motor**
    - swinging gates → HEADY
    - swing gates, opposing sliding, hydraulic operators, and industrial folding doors → BRAINY
    - counterweight garage doors → LOGICA
- **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 → THINK, THINK.I, THINK.P, START, START.I
- **400 Vac** three-phase
  - **1 motor**
    - sectional doors rolling doors → WAVE
- **24 Vdc**
  - **1 motor**
    - counterweight garage doors → **LOGICA24.RI**
    - folding door with max 2 wings → **BRAINY24**
    - swinging gates → **BRAINY24**, **HEADY24**
  - **2 motors**
    - counterweight garage doors → **LOGICA24.RI**
    - swing gates, opposing sliding gates, and industrial folding doors with a maximum of 2 wings → **BRAINY24**
    - swinging gates → **HEADY24**
  - **4 motors**
    - car park saver → **DA.S04**

INTERNAL CONTROL PANELS

- **230 Vac** single-phase
  - sliding gates → CP.CORE, CP.BULL8-OM, CP.BULL-RI, CP.BISON OM
  - garage → CP.ZED230-E
- **230-400 Vac** single-phase/three-phase
  - sliding gates → CP.BISON OTI, CP.BISON OTI L
- **24 Vdc**
  - swinging gates → **CP.BN**, **CP.MBY24**
  - sliding gates → **CP.PONY**, **CP.B24ESA**, **CP.B1024ESA**
  - garage → **CP.ZED24**, **CP.J3M**, **CP.J4ESA**
  - road barriers → **CP.EVA**, **DA.24V**

GREEN ECONOMY

- **SUN SYSTEM**

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 panel up to 3 solar panels
- Batteries of varying capacities (7-50Ah) can also be used.

LOW ENERGY USE = MORE MANOEUVRES!

- The system is controlled via the SUNNY central command device
- SUNNY keeps the automation's control panel 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 manoeuvres also in hours of the day or periods with less-than-ideal solar radiation conditions.

ACCESSORIES

DA.BT18
9086004
18 Ah 12 Vdc batteries.

SUN.PANEL
9611021
High-performance monocrystalline silicon solar panel (30W).

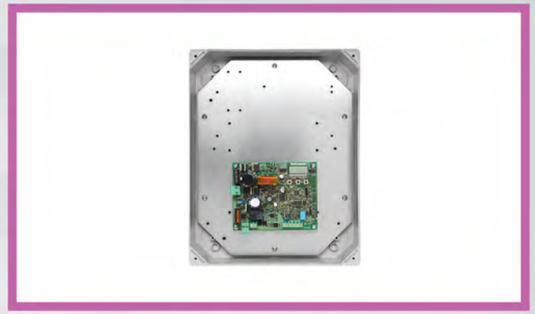
COL.KSUN
9252060
Column for battery housing DA.BT18 and control unit SUNNY, equipped with removable battery tray. H=650x323x230mm

COL.BR
9585000
Pair of clamps for fixing solar panel to column COL.KSUN.

KSUN
9611004

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: rolling code, programmable code, and advanced rolling code (ARC).

CONTROL PANEL TECHNICAL DATA	SUNNY
Photovoltaic panel type	Vmp: 15 ÷ 40V (load voltage) Wp: 15 ÷ 80 W (maximum power)
Power supply output	24 Vdc
Protection degree	IP55
Operational temperature	-20°C / +50°C
Radio receiver	built-in and confi gurable (rolling-code or fixed + rolling-code)
No. of codes that can be saved	512 Rolling-code / 16 code fixed

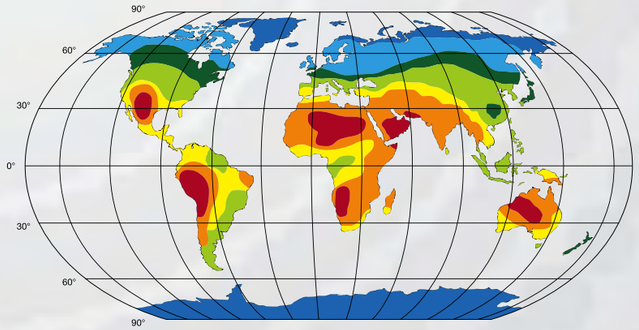


SUNNY
9176316

Control unit complete with display, 3 code radio receiver, rolling code, programmable code, and advanced rolling code (ARC). You can connect up to three solar panels to the control unit.

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

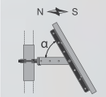
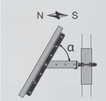
CHART REGARDING AVERAGE SOLAR RADIATION DISTRIBUTION



AVERAGE NUMBER OF DAILY MANOUVRES WITH KBOB24 / KBULL624*	AVERAGE NUMBER OF DAILY MANOUVRES WITH KBULL424*
133	191
114	163
95	136
76	108
57	81
37	54
18	26

*** Refer back to the manual for more precise values**

The above data refer to some of the confi gurations 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

BRAINY
9176213

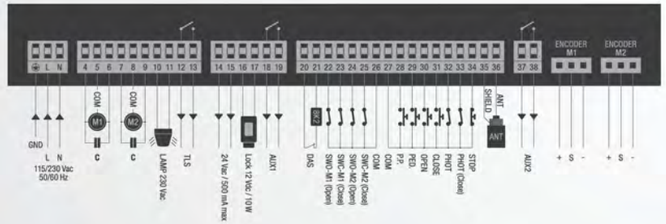
EXTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 or 2 actuators for swing gates, opposing sliding, hydraulic operators, and industrial folding doors

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 600W + 600W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Encoder input for obstruction detection
- Separate limit switch inputs for each motor
- Open, close and pedestrian inputs
- Open-close and close photocell inputs
- N.C. or 8K2 safety edge input
- Output for 230 Vac and 12 Vac/dc electric lock
- Gate open indicator light output, service light, second radio channel and test photocells
- Autoset operating parameters with encoder equipped motors
- Electronic adjustment of individual couple for each motor and working times
- Electronic decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/ external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/ external release.

DU.9990
9623010
Covering plate for DU.V90.

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

DA.LB
9230031
Galvanized column for outdoor installation of LB box. Packaging: 2 pcs

HEADY
9176217

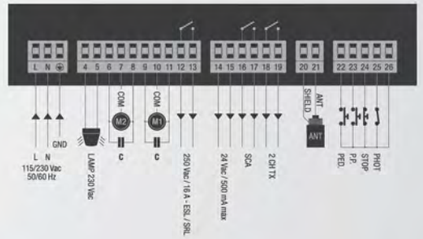
EXTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 or 2 actuators for swing gates

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 500W + 500W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- One door pedestrian opening input
- Programmable photocell input for open function exclusion
- Output for 230 Vac electric lock/service light
- Output for gate open indicator light, second radio channel and test photocells
- Electronic adjustment of individual couple for each motor and working times
- Fixed electronic decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CORE
9176119

EXTERNAL CONTROL PANELS
230 Vac

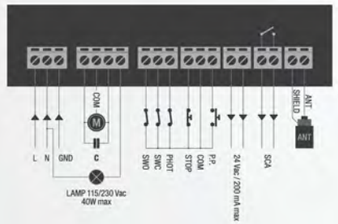
APPLICATION
1 actuator for sliding or 1 swing door

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 750W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Automatic and semi automatic function logic
- Motor limit switch inputs
- Step by step, stop, photocell inputs
- Gate open indicator light output
- 5 level electronic torque adjustment
- Optional management of remote controls memorised on receiver with built-in Advantouch

ADVANTOUCH READY



ACCESSORIES

E.LOCK
9765001
230 Vac vertical electric lock, supplied with counterplate.

E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

MATRIX
9176037

EXTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 actuator for sliding gate

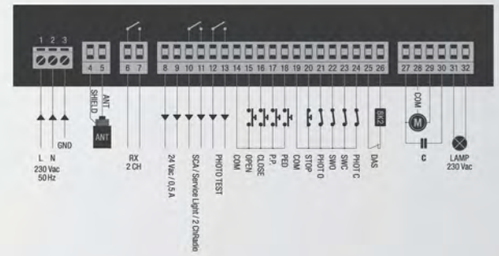
CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 1000W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code and rolling code)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Open, close and pedestrian inputs
- Output for gate open indicator light, second radio channel and test photocells and service light
- Electronic torque adjustment
- Open and close deceleration
- Electronic braking guarantees a precise stop, even with heavy doors
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres

ENCODER

ADVANTOUCH READY



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

DA.LB
9230031
Galvanized column for outdoor installation of LB box. Packaging: 2 pcs

LOGICA
9176111

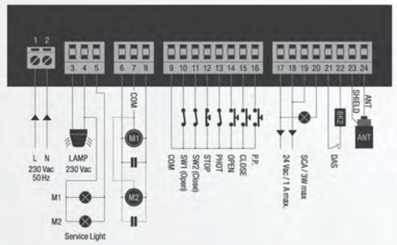
EXTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 or 2 actuators for tilt up doors

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 300W + 300W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Encoder input for obstruction detection
- Separate limit switch inputs for each motor
- Open, close, stop, step by step inputs
- N.C. or 8K2 safety edge input
- 230 Vac service light output
- Autoset operating parameters with encoder equipped ZED series motors
- Electronic adjustment of working times couple
- Electronic decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

KPO
9855001
Set of 2 green push buttons (N.O.) and front cover for Box LB.

KPC
9855002
Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.

CELL.P
9176118

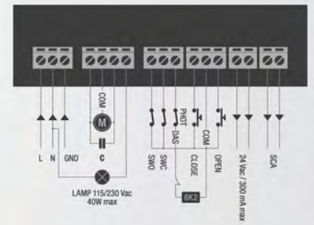
EXTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 actuator for industrial sliding doors, folding doors with more than two sections and shutters

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 750W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code and rolling code)
- Removable terminal blocks
- Automatic and semi automatic function logic
- Motor limit switch inputs
- N.C. or 8K2 safety edge input
- Inputs for buttons for programmable step by step opening and for closing
- Gate open indicator light output
- 5 level electronic torque adjustment
- Optional management of remote controls memorised on receiver with built-in Advantouch



NOTE:
The exit to the start-up capacitor is not present for applications with VN.S40V model

ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

KER
9176073

EXTERNAL CONTROL PANELS
230 Vac

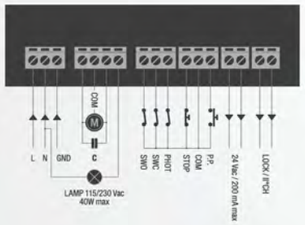
APPLICATION
1 actuator for shutters

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 750W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Built-in 433.92 MHz 64 codes radio receiver with rolling code system
- Fixed terminal blocks
- Automatic and semi automatic function logic
- Motor limit switch inputs
- Step by step, stop, photocell inputs
- Second radio channel output
- 5 level electronic torque adjustment
- Optional management of remote controls memorised on built-in receiver through Advantouch

ADVANTOUCH READY



THINK
9176024

EXTERNAL CONTROL PANELS
230-400 Vac

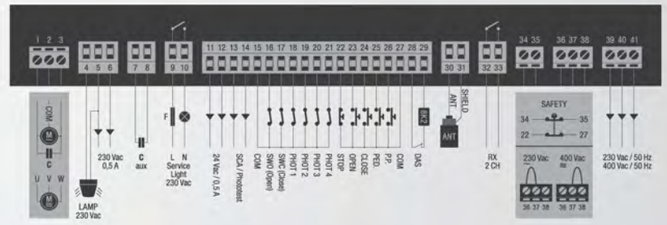
APPLICATION
1 actuator for sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding

CONTROL PANEL POWER SUPPLY
230 Vac or 400 Vac

MOTORS POWER SUPPLY
230 Vac 900W or 400 Vac 2200W

MAIN FUNCTIONS:
- Built-in LCD display
- Plug in radio receiver ready
- Removable terminal blocks
- Motor limit switch inputs
- Open, close and pedestrian inputs
- Inputs for 4 pairs of photocells
- N.C. or 8K2 safety edge input
- Service light and gate open indicator light output
- Phase loss and motor overcurrent protection
- Optional management of parameters memorised on electronic control unit with built-in Advantouch
- Number of manoeuvres

ADVANTOUCH READY



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

VERSIONS

THINK.P
9176031
THINK control units with open, close, stop buttons incorporated in the control panel.

THINK.I
9176033
THINK control units with open, close, stop buttons with self-hold and three-pole door-blocking switch incorporated in the control panel. Resistant box for use in industrial environments, degree of protection IP 55.

ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

KPO
9855001
Set of 2 green push buttons (N.O.) and front cover for Box LB.

KPC
9855002
Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.

ONE.2WI
9673102
433.92 MHz universal plug-in receiver, 2 channels.

START
9176968

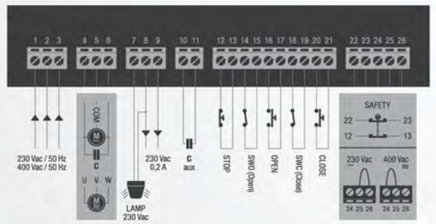
EXTERNAL CONTROL PANELS
230-400 Vac

APPLICATION
1 actuator for sectional doors and rolling doors, folding doors with more than two sections, unbalanced shutters and industrial sliding

CONTROL PANEL POWER SUPPLY
230 Vac o 400 Vac

MOTORS POWER SUPPLY
230 Vac 900W o 400 Vac 2200W

MAIN FUNCTIONS:
- Dead man functioning logic
- Fixed terminal blocks
- Motor limit switch inputs
- Open, close and emergency stop inputs
- Open and close buttons built-in to the control unit
- Output for connection of flasher and auxiliary capacitor for motor start inrush



VERSIONS

START.I
9176183
START control units with open, close, stop buttons with self-hold and three-pole door-blocking switch incorporated in the control panel. Resistant box for use in industrial environments, degree of protection IP 55.

ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

KPO
9855001
Set of 2 green push buttons (N.O.) and front cover for Box LB.

WAVE
9176124

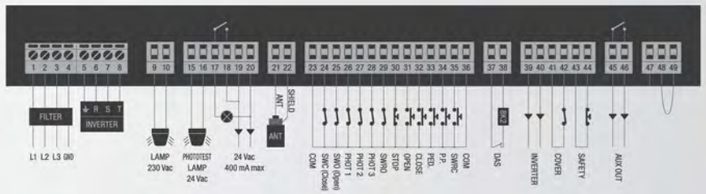
EXTERNAL CONTROL PANELS
400 Vac

APPLICATION
1 actuator for industrial sectional doors and sliding doors

CONTROL PANEL POWER SUPPLY
400 Vac

MOTORS POWER SUPPLY
400 Vac 1500W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code and ARC)
- Removable terminal blocks
- Motor limit switch inputs
- Step by step, open and close inputs
- Pedestrian input
- Stop input
- Inputs for 3 pairs of photocells
- N.C. or 8K2 safety edge input
- Output for gate open indicator light, second radio channel and test photocells and service light
- Operating parameters autoset
- Electronic torque adjustment
- Open and close deceleration
- Electronic braking guarantees a precise stop, even with heavy doors
- Optional parameter configuration and remote control management using the Advantouch system
- Built-in inverter
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

BRAINY24
9176224

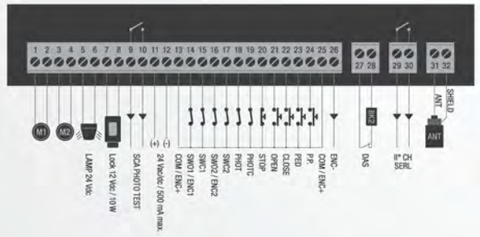
EXTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 or 2 actuators for swing gates, opposing sliding gates, and industrial folding doors with a maximum of 2 sections

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 120W + 120W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Separate limit switch inputs for each motor
- Open, close and pedestrian inputs
- Open-close and close photocell inputs
- N.C. or 8K2 safety edge input
- 12 Vdc electric lock output
- Gate open indicator light output, service light, second radio channel and test photocells
- Operating parameters autoset
- Electronic adjustment of individual couple for each motor
- Crush prevention security with amperometric sensor detection and encoder management
- Independent decelerations during open and close for each motor
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/ external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/ external release.

DU.9990
9623010
Covering plate for DU.V90.

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

DA.LB
9230031
Galvanized column for outdoor installation of LB box. Packaging: 2 pcs

BRAINY24.CB
9760014
Accessory with CBY.24V battery charger, 1.2 Ah batteries and base.

NIMH.CB
9760017
Accessory with CBY.24V battery charger card, NIMH batteries and support.

HEADY24
9176229

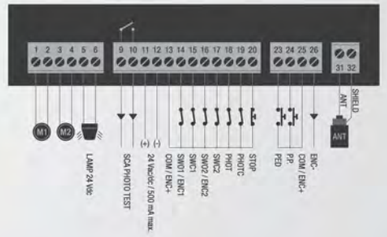
EXTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 or 2 actuators for swing gates

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 60W + 60W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Separate limit switch inputs for each motor
- Open, close and pedestrian inputs
- Open-close and close photocell inputs
- N.C. or 8K2 safety edge input
- Gate open indicator light output, service light, second radio channel and test photocells
- Operating parameters autoset
- Electronic adjustment of individual couple for each motor
- Crush prevention security with amperometric sensor detection and encoder management
- Independent decelerations during open and close for each motor
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/ external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/ external release.

DU.9990
9623010
Covering plate for DU.V90.

L.BY
9760024
Control board for electric lock 12/24 Vdc.

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

BRAINY24.CB
9760014
Accessory with CBY.24V battery charger, 1.2 Ah batteries and base.

NIMH.CB
9760017
Accessory with CBY.24V battery charger card, NIMH batteries and support.

LOGICA24.RI
9176027

EXTERNAL CONTROL PANELS
24 Vdc

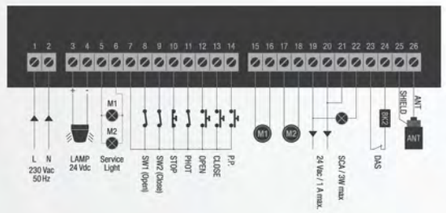
APPLICATION
1 or 2 actuators for tilt up doors

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 80W + 80W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code, rolling code)
- Removable terminal blocks
- Motor limit switch inputs
- Open, close, stop, step by step inputs
- N.C. or 8K2 safety edge input
- 24 Vac/dc service light output
- Electronic couple adjustment
- Amperometric sensor obstacle detection security to prevent crushing
- Electronic decelerations
- Optional management of remote controls memorised on built-in receiver through Advantouch

ADVANTOUCH READY



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

KPO
9855001
Set of 2 green push buttons (N.O.) and front cover for Box LB.

KPC
9855002
Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.

CBY.24V
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

DA.BT2
F8086010
2.1Ah 12 Vdc Battery

DA.BT6
F8086020
7Ah 12 Vdc Battery

NIMH
9086006
2 Ah, 24 Vdc NIMH batteries.

LB
9252001
Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)

DA.S04
9176005

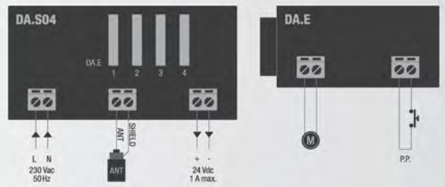
EXTERNAL CONTROL PANELS
24 Vdc

APPLICATION
from 1 to 4 parking space barrier VE.SOR

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 20W

MAIN FUNCTIONS:
- Plug in radio receiver ready
- Designed for charger DA.RB
- Fixed terminal blocks
- Separate step by step input for each motor
- Amperometric sensor obstacle detection security to prevent crushing



ACCESSORIES

DA.E
9760035
Module for VE.SOR (one DA.E each VE.SOR).

DA.RB
9760042
Battery charger card for DA.S04.

DA.BT2
F8086010
2.1Ah 12 Vdc Battery

DA.BT6
F8086020
7Ah 12 Vdc Battery

LB
9252001
Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)

ONE.2WI
9673102
433.92 MHz universal plug-in receiver, 2 channels.

RR.4WBV24
9673160
4 channel receiver 433.92 MHz with rolling code system. 24 Vac/dc power supply.

EXTERNAL CONTROL PANELS

CONTROL PANELS FEATURES	BRAINY	HEADY	CORE	MATRIX	LOGICA	CELL.P	KER	THINK	START	WAVE	**BRAINY24**	**HEADY24**	**LOGICA24.RI**	**DA.S04**
motors power supply 24 Vdc											•	•	•	•
motors power supply 230 Vac	•	•	•	•	•	•	•	•	•					
motors power supply 400 Vac								•	•	•				
INPUTS														
step by step input	•	•	•	•	•	•	•	•		•	•	•	•	•
open input	•			•	•	•		•	•	•	•		•	
close input	•			•	•	•		•	•	•	•		•	
pedestrian opening input	•	•		•				•		•	•	•		
photocell 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	•										•	•		
OUTPUTS														
motor 1 output	•	•	•	•	•	•	•	•	•	•	•	•	•	
motor 2 output	•	•			•						•	•	•	
flashing light output	•	•	•	•	•	•	•	•	•	•	•	•	•	
12 Vac electric lock output	•										•			
auxiliary output for optional electric-lock card		•					•							
courtesy light output	•	•		•	•			•		•	•	•	•	
auxiliary output 24 Vac/dc	•	•	•	•	•	•	•	•		•	•	•	•	•
gate open indicator	•	•	•	•	•	•		•		•	•	•	•	
photocell power supply output with phototes	•	•		•	•			•		•	•	•		
2nd radio channel output	•	•		•	•		•	•		•	•	•		
OPERATING LOGICS														
“dead man” function	•		•	•	•	•	•	•	•	•	•			
semi-automatic function	•	•	•	•	•	•	•	•		•	•	•	•	
automatic function	•	•	•	•	•	•	•	•		•	•	•	•	
multi-flat function	•	•	•	•	•	•	•	•		•	•	•	•	
step by step function (open-close-open)	•	•	•	•	•		•	•		•	•	•	•	
timer function in opening	•	•		•	•			•		•	•	•		
adjustable slowdown time	•			•	•					•	•	•		
fixed slow down time		•											•	
electronic brake				•						•				
pre-warning flashing light	•	•	•	•	•			•		•	•	•	•	
disable photocell in opening phase		•	•		•			•		•				
close immediatly after photocell	•	•	•	•				•		•	•	•		
maintening hydraulic motor pressure	•													
closing delay motor 1	•	•									•	•		
opening delay motor 2	•	•									•	•		
ADJUSTMENTS														
electromechanical adjustement force													•	
electronic adjustement force	•	•	•	•	•	•	•			•	•	•		
speed adjustement										•	•	•	•	
starting with maximum power	•	•	•	•	•	•	•	•	•	•	•	•		
self adjustment of working parameters	•				•					•	•	•		
parameters adjustment through potentiometer			•			•	•						•	•
parameters adjustment through LCD display	•	•		•	•			•		•	•	•		
OTHER CHARACTERISTICS														
diagnostic LEDS			•			•	•						•	
433.92 MHz built-in receiver	•	•	•	•	•	•	•			•	•	•	•	
parameters adjustment through LCD display	•	•		•	•			•		•	•	•		
cycles counter	•	•		•	•			•		•	•	•		
back up system (it needs battery charger card)											•	•	•	•
encoder input	•			•	•						•	•		
built-in ESA, Energy Saving System														
maintenance warning	•	•			•					•	•			
programming enabled by password	•	•			•					•	•	•		

INTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 actuator for slide series BULL5M

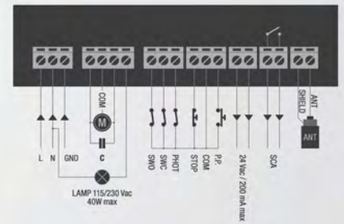
CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 750W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Automatic and semi automatic function logic
- Input for encoder management accessory MAG.E for electronic deceleration and crush prevention function
- Motor limit switch inputs
- Step by step, stop, photocell inputs
- Gate open indicator light output
- 5 level electronic torque adjustment
- Optional management of remote controls memorised on built-in receiver through Advantouch

ENCODER

ADVANTOUCH READY



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CP.BULL8-OM

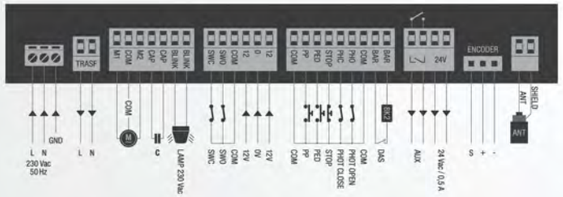
INTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 actuator for sliding gate series BULL8M and BULL8 OM

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 280W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code and rolling code)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Independent open and close photocell inputs
- Pedestrian input
- Output for gate open indicator light, second radio channel, test photocells and service light
- Operating parameters autoset
- Electronic torque adjustment
- Open and close deceleration
- Electronic braking
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CP.BULL-RI

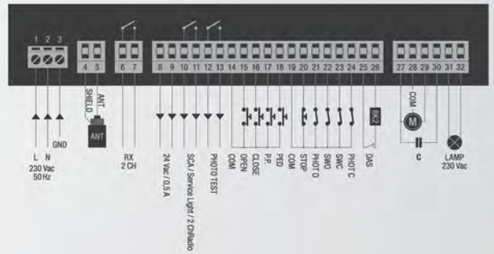
INTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 actuator for sliding gate series BULL10M, BULL15M and BULL20M

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 1000W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code and rolling code)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Open, close and pedestrian inputs
- Output for gate open indicator light, second radio channel and test photocells and service light
- Electronic torque adjustment
- Open and close deceleration
- Electronic braking guarantees a precise stop, even with heavy doors
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CP.BISON OM

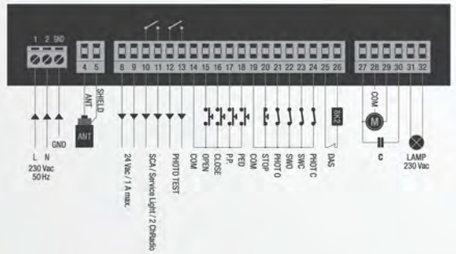
INTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 actuator for sliding gate BISON20 OM

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 750W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code and ARC)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Open, close and pedestrian inputs
- Output for gate open indicator light, second radio channel and test photocells and service light
- Operating parameters autoset
- Electronic torque adjustment
- Open and close deceleration
- Electronic braking guarantees a precise stop, even with heavy doors
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CP.BISON OTI L

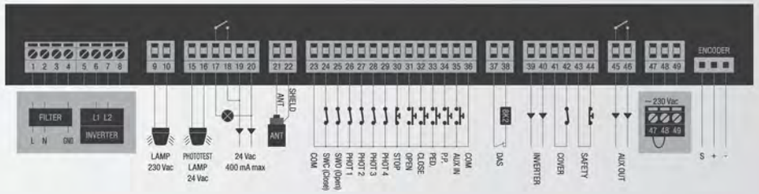
INTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 actuator for sliding gate series BISON35 OTI L

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
220 Vac / 750 W three phase with inverter

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code and ARC)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Open, close and pedestrian inputs
- Inverter connection ready
- Output for gate open indicator light, second radio channel and test photocells and service light
- Electronic torque adjustment
- Open and close deceleration
- Electronic braking guarantees a precise stop, even with heavy doors
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CP.ZED230-E

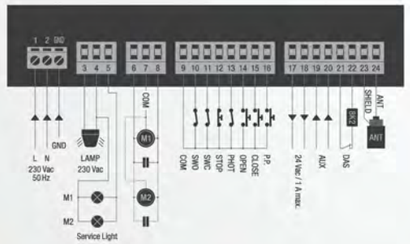
INTERNAL CONTROL PANELS
230 Vac

APPLICATION
1 or 2 actuators series ZED.RIE or ZEDL.RIE

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
230 Vac 300W + 300W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Open, close, stop, step by step inputs
- N.C. or 8K2 safety edge input
- 230 Vac service light output
- Autoset operating parameters with encoder equipped ZED series motors
- Electronic adjustment of working times couple
- Electronic decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CP.BISON OTI

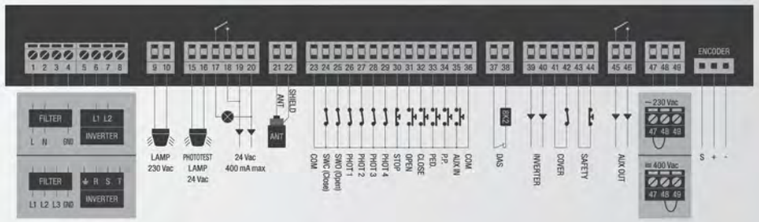
INTERNAL CONTROL PANELS
230-400 Vac

APPLICATION
1 actuator for sliding gate series BISON25 OTI, BISON35 OTI and BISON45 OTI

CONTROL PANEL POWER SUPPLY
230 Vac o 400 Vac

MOTORS POWER SUPPLY
220 Vac/750 W three phase with inverter
or 380 Vac/1500 W three phase with inverter

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code and ARC)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Open, close and pedestrian inputs
- Inverter connection ready
- Output for gate open indicator light, second radio channel and test photocells and service light
- Electronic torque adjustment
- Open and close deceleration
- Electronic braking guarantees a precise stop, even with heavy doors
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CP.BN

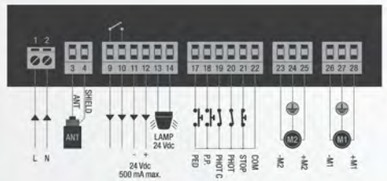
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
2 actuators for BEN series swing gates

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 50W + 50W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code and rolling code)
- Removable terminal blocks
- Pedestrian input
- Gate open indicator light output, service light and second radio channel
- Operating parameters autoset
- Electronic adjustment of individual couple for each motor
- Amperometric sensor obstacle detection security to prevent crushing
- Independent decelerations during open and close for each motor
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres



ACCESSORIES

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/ external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/ external release.

DU.9990
9623010
Covering plate for DU.V90.

L.BY
9760024
Control board for electric lock 12/24 Vdc.

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

BN.CB
9760072
Accessory for CP.BN composed of battery charger card CBY.24V, 1,2Ah batteries and support for batteries.

CP.MBY24

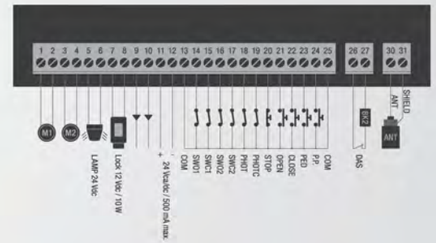
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 or 2 actuators for MBE24 series swing gates

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 90W + 90W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Removable terminal blocks
- Separate limit switch inputs for each motor
- Open, close and pedestrian inputs
- N.C. or 8K2 safety edge input
- 12 Vdc electric lock output
- Gate open indicator light output, service light, second radio channel and test photocells
- Operating parameters autoset
- Electronic adjustment of individual couple for each motor
- Crush prevention security with amperometric sensor detection
- Independent decelerations during open and close for each motor
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/ external release.

DU.V90
9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/ external release.

DU.9990
9623010
Covering plate for DU.V90.

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CBY.24V
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

DA.BT2
F8086010
2.1Ah 12 Vdc Battery

DA.BT6
F8086020
7Ah 12 Vdc Battery

LB
9252001
Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)

CP.PONY

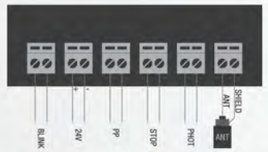
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 actuator for sliding gate series PONY

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 80W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Built-in ESA SYSTEM for energy saving
- Coloured fixed terminal blocks
- Motor limit switch inputs
- Test photocells
- Operating parameters autoset
- Electronic couple adjustment
- Amperometric sensor obstacle detection security to prevent crushing
- Open and close deceleration



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

BULL24.CBH
9760018
Accessory with CBY.24V battery charger card, NIMH batteries and support.

CP.B24ESA

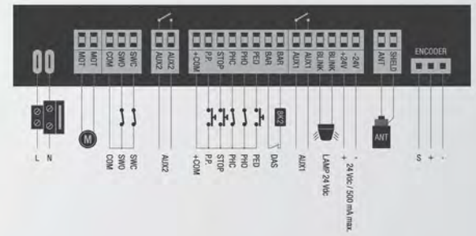
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 actuator for sliding gate series BULL424ESA and BULL624ESA

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 80W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Built-in ESA SYSTEM for energy saving
- Removable terminal blocks
- Motor limit switch inputs
- Independent open and close photocell inputs
- Pedestrian, step by step, stop input
- N.C. or 8K2 safety edge input
- Gate open indicator light output, service light, second radio channel
- Test photocells
- Operating parameters autoset
- Electronic couple adjustment with automatic calculation for each point of the travel (STC SYSTEM)
- Crush prevention security with amperometric sensor detection and encoder management
- Open and close decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

BULL24.CBY
9760022
Accessory composed of battery charger card CBY.24V, 1,2Ah batteries and support for batteries.

BULL24.CBH
9760018
Accessory with CBY.24V battery charger card, NIMH batteries and support.

CP.B1024ESA

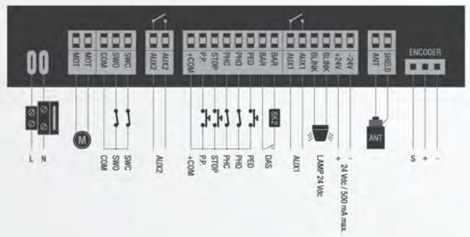
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 actuator for sliding gate BULL1024ESA

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 190W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Built-in ESA SYSTEM for energy saving
- Removable terminal blocks
- Motor limit switch inputs
- Independent open and close photocell inputs
- Pedestrian, Step by step, stop input
- N.C. or 8K2 safety edge input
- Gate open indicator light output, service light, second radio channel
- Test photocells
- Operating parameters autoset
- Electronic couple adjustment with automatic calculation for each point of the travel (STC SYSTEM)
- Crush prevention security with amperometric sensor detection and encoder management
- Open and close decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

BULL1024.CB
9760036
Accessory composed of battery charger card CBY.24V, 1,2Ah batteries and support for batteries.

CP.ZED24

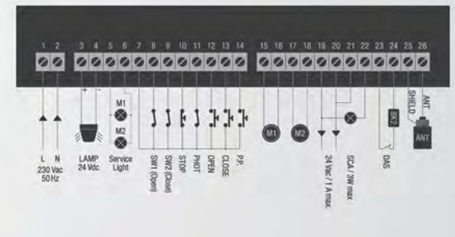
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 or 2 actuators series ZED24.RI

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24Vdc 80W + 80W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code, rolling code)
- Removable terminal blocks
- Motor limit switch inputs
- Open, close, stop, step by step inputs
- N.C. or 8K2 safety edge input
- 24 Vac/dc service light output
- Electronic couple adjustment
- Amperometric sensor obstacle detection security to prevent crushing
- Electronic decelerations
- Optional management of remote controls memorised on built-in receiver through Advantouch



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CBY.24V
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

DA.BT2
F8086010
2.1Ah 12 Vdc Battery

DA.BT6
F8086020
7Ah 12 Vdc Battery

NIMH
9086006
2 Ah, 24 Vdc NIMH batteries.

LB
9252001
Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)

CP.J3M

INTERNAL CONTROL PANELS
24 Vdc

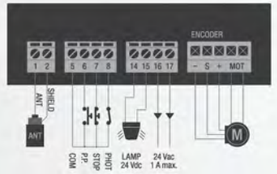
APPLICATION
1 actuator JM.3

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 80W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code, rolling code)
- Fixed terminal blocks
- Step by step, stop, photocell inputs
- Built-in courtesy light
- Electronic couple adjustment
- Crush prevention security with amperometric sensor detection and encoder management
- Fixed electronic decelerations

ENCODER



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

JM.CBY
9760023
Accessory composed of battery charger card CBY.24V, 1,2Ah batteries and support for batteries.

CP.J4ESA

INTERNAL CONTROL PANELS
24 Vdc

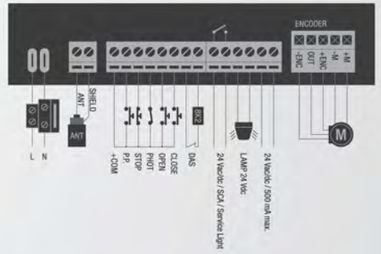
APPLICATION
1 actuator series JM.3ESA, JM.4ESA

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 150W

MAIN FUNCTIONS:
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Built-in ESA SYSTEM for energy saving
- Fixed terminal blocks
- Photocell input
- Step by step, open, close, stop inputs
- N.C. or 8K2 safety edge input
- Gate open indicator light output, service light, second radio channel
- Test photocells
- Operating parameters autoset
- Electronic couple adjustment with automatic calculation for each point of the travel (STC SYSTEM)
- Crush prevention security with amperometric sensor detection and encoder management
- Open and close decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder

ESA automatic system · STC SYSTEM · ENCODER · ADVANTOUCH READY · AUTO · PSW



ACCESSORIES

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

JM.CBY
9760023
Accessory composed of battery charger card CBY.24V, 1,2Ah batteries and support for batteries.

CP.EVA

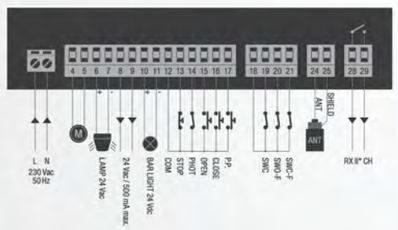
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 road barrier series EVA.5, EVA.7

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 160W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Plug in radio receiver ready
- Removable terminal blocks
- Motor limit switch inputs
- Open, close, stop, step by step, photocell inputs
- Output for EVA.L accessory, LEDs built-in to rod
- Electronic couple adjustment
- Amperometric sensor obstacle detection security to prevent crushing
- Electronic decelerations



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CBY.24V
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

DA.BT2
F8086010
2.1Ah 12 Vdc Battery

DA.BT6
F8086020
7Ah 12 Vdc Battery

EVA.SUP
9819035
Support for EVA internal accessories

ONE.2WI
9673102
433.92 MHz universal plug-in receiver, 2 channels.

AW
9076058
433.92 MHz aerial with 4m cable.

DA.24V

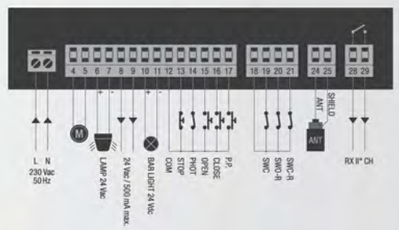
INTERNAL CONTROL PANELS
24 Vdc

APPLICATION
1 road barrier series LADY, LADY.5, VE.500, VE.650

CONTROL PANEL POWER SUPPLY
230 Vac

MOTORS POWER SUPPLY
24 Vdc 160W

MAIN FUNCTIONS:
- Parameter and operation logics adjustment via trimmer and dip-switch
- Plug in radio receiver ready
- Removable terminal blocks
- Motor limit switch inputs
- Open, close, stop, step by step, photocell inputs
- Output for LADY.L/VE.L500/VE.L650 accessory, LEDs built-in to rod
- Electronic couple adjustment
- Amperometric sensor obstacle detection security to prevent crushing
- Electronic decelerations



ACCESSORIES

DA.2S
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).

SC.RD
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).

CBY.24V
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

DA.BT2
F8086010
2.1Ah 12 Vdc Battery

DA.BT6
F8086020
7Ah 12 Vdc Battery

ONE.2WI
9673102
433.92 MHz universal plug-in receiver, 2 channels.

AW
9076058
433.92 MHz aerial with 4m cable.

INTERNAL CONTROL PANELS

CONTROL PANELS FEATURES	CP.CORE	CP.BULL8-OM	CP.BULL-RI	CP.BISON OM	CP.ZED230-E	CP.BISON OTI	CP.BISON OTI L	CP.BN	CP.MBY24	CP.PONY	CP.B24ESA	CP.B1024ESA	CP.ZED24	CP.J3M	CP.J4ESA	CP.EVA	DA.24V
motors power supply 24 Vdc								•	•	•	•	•	•	•	•	•	•
motors power supply 230 Vac	•	•	•	•	•	•	•										
motors power supply 400 Vac						•	•										
INPUTS																	
step by step input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
open input			•	•	•	•	•		•				•		•	•	•
close input			•	•	•	•	•		•				•		•	•	•
pedestrian opening input		•	•	•		•	•	•	•		•	•					
photocell 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									•								
OUTPUTS																	
motor 1 output	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
motor 2 output					•			•	•				•				
flashing light output	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
12 Vac electric lock output									•								
auxiliary output for optional electric-lock card																	
courtesy light output		•	•	•	•	•	•	•	•		•	•	•		•		
auxiliary output 24 Vac/dc	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
gate open indicator	•	•	•	•	•	•	•	•	•		•	•	•		•	•	•
photocell power supply output with phototes		•	•	•	•	•	•		•	•	•	•			•		
2nd radio channel output		•	•	•	•	•	•	•	•		•	•			•	•	•
OPERATING LOGICS																	
“dead man” function	•	•	•	•	•	•	•		•		•	•				•	•
semi-automatic function	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
automatic function	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
multi-flat function	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
step by step function (open-close-open)	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
timer function in opening	•	•	•	•	•	•	•	•	•		•	•			•	•	•
adjustable slowdown time	•	•	•	•	•	•	•	•	•	•	•	•	•		•		
fixed slow down time														•		•	•
electronic brake		•	•	•		•	•										
pre-warning flashing light	•	•	•	•	•	•	•	•	•	•	•	•	•		•	•	•
disable photocell in opening phase	•	•	•	•	•	•	•			•	•	•	•				
close immediatly after photocell	•	•	•	•		•	•	•	•		•	•			•	•	•
maintening hydraulic motor pressure																	
closing delay motor 1								•	•								
opening delay motor 2								•	•								
ADJUSTMENTS																	
electromechanical adjustement force																	
electronic adjustement force	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
speed adjustement						•	•		•		•	•	•	•	•	•	•
starting with maximum power	•	•	•	•	•	•	•		•		•	•			•		
self adjustment of working parameters		•		•	•	•	•	•	•	•	•	•			•		
parameters adjustment through potentiometer	•												•	•		•	•
parameters adjustment through LCD display		•	•	•	•	•	•	•	•	•	•	•			•		
OTHER CHARACTERISTICS																	
diagnostic LEDS	•												•	•		•	•
433.92 MHz built-in receiver	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•		
parameters adjustment through LCD display		•	•	•	•	•	•	•	•	•	•	•			•		
cycles counter		•	•	•	•	•	•	•	•		•	•			•		
back up system (it needs battery charger card)								•	•	•	•	•	•	•	•	•	•
encoder input	•	•	•	•	•	•	•				•	•		•	•		
built-in ESA, Energy Saving System										•	•	•			•		
maintenance warning		•		•	•	•	•		•		•	•			•		
programming enabled by password		•		•	•	•	•		•		•	•			•		

BATTERY CHARGER, BATTERIES AND BOX

BATTERY CHARGER

BN.24V
9760073
Battery charger card for CP.BN.

DA.RB
9760042
Battery charger card for DA.S04.

CBY.24V
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

BATTERIES

DA.BT2
9086019
2.1Ah 12 Vdc Battery

DA.BT6
9086020
7Ah 12 Vdc Battery

DA.BT18
9086004
18 Ah 12 Vdc batteries.

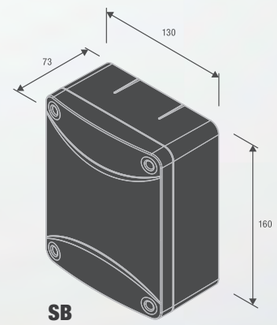
NIMH
9086006
2 Ah, 24 Vdc NIMH batteries.

BOX

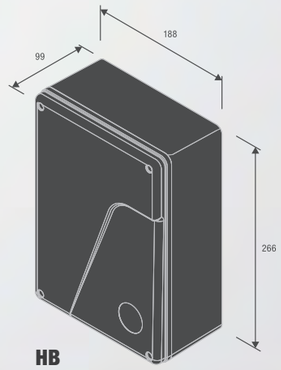
SB
9252003
Plastic box for small control unit.

HB
9252014
Box for HEADY/ HEADY24. Protection level IP55.

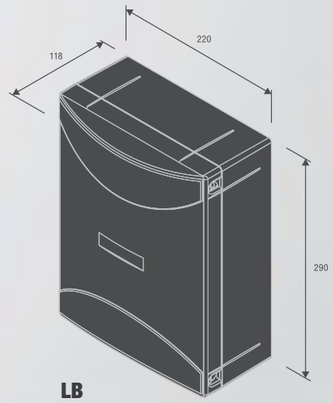
LB
9252001
Standard box for control units. Protection level IP55.



SB



HB



LB

TRANSMITTERS

- **433.92 MHz**
  - rolling-code
    - 2 channels
      - **TO.GO2WV**
      - **APPLE.2**
      - **IO.2WV**
    - 4 channels
      - **TO.GO4WV**
      - **APPLE.4**
  - serial rolling-code
    - 2 channels
      - **TO.GO2WVS**
    - 4 channels
      - **TO.GO4WVS**
  - transponder rolling-code
    - 2 channels
      - **TO.GO2WVT**
    - 4 channels
      - **TO.GO4WVT**
  - programmable code
    - 2 channels
      - **TO.GO2WP**
      - **TO.GO2WK**
    - 4 channels
      - **TO.GO4WP**
      - **TO.GO4WK**
- **868 MHz**
  - rolling-code
    - 2 channels
      - **TO.GO2QV**
    - 4 channels
      - **TO.GO4QV**

RECEIVERS

- **433,92 MHz**
  - rolling-code
    - 2 channels
      - **ONE.2WB**
      - **ONE.2WI**
    - 4 channels
      - RR.4WBV
      - **RR.4WBV24**
  - programmable code
    - 2 channels
      - **ONE.2WB**
      - **ONE.2WI**
    - 4 channels
      - RR.4WBP
      - **RR.4WBP24**
- **868 MHz**
  - rolling-code programmable code
    - 2 channels
      - **ONE.2QB**
      - **ONE.2QI**

GREEN ECONOMY

- **ESA SYSTEM**

COMMAND AND CONTROL SYSTEMS

- **CALL**

PROGRAMMING SYSTEMS

- **ADVANTOUCH**

ADVANTOUCH READY

ELECTRONIC SIGNALS & CONTROLS ROLLING-CODE TRANSMITTERS

2 or 4 channels

- Rolling code transmitter available with 2 or 4 channels, with 433.92 MHz and 868 MHz frequency
- Also available in serialised version, for multiple insertions (TO.GO2WVS/TO.GO4WVS)

433.92 MHz

TO.GO2WV / TO.GO2WVS

9863065 9863165

433.92 MHz 2 channels rolling-code transmitter.

TO.GO2WVS: Serial self-learning of the transmitters with ADVANTOUCH system.

433.92 MHz

TO.GO4WV / TO.GO4WVS

9863066 9863166

433.92 MHz 4 channels rolling-code transmitter.

TO.GO4WVS: Serial self-learning of the transmitters with ADVANTOUCH system.

868 MHz

TO.GO2QV

9863106

868 MHz 2 channels rolling-code transmitter.

868 MHz

TO.GO4QV

9863107

868 MHz 4 channels rolling-code transmitter.

433.92 MHz RECEIVERS AND ACCESSORIES

ONE.2WB
9673103
Universal receiver 433.92 MHz, 2 channels in box.

ONE.2WI
9673102
433.92 MHz universal plug-in receiver, 2 channels.

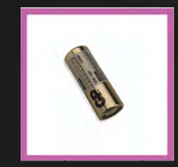
RR.4WBV
9673158
4 channel receiver 433.92 MHz with rolling code system. 230 Vac power supply.

RR.4WBV24
9673160
4 channel receiver 433.92 MHz with rolling code system. 24 Vac/dc power supply.

CALL
9673166
Four-channel GSM receiver, up to 4 automations control without limits of distance. Makes it possible to use the device by means of a mobile telephone.

MEM2048
9570001
Accessory that allows the extension of the receiver memory up to 2048 codes. For rolling code receiver.

AW
9076058
433.92 MHz aerial with 4m cable.



BT12
9086010
12 V Battery, for transmitter.
Available in 50 pcs packing.

868 MHz RECEIVERS AND ACCESSORIES

ONE.2QB
9673112
Universal receiver 868 MHz, 2 channels in box.

ONE.2QI
9673111
868 MHz universal plug-in receiver, 2 channels.

MEM2048
9570001
Accessory that allows the extension of the receiver memory up to 2048 codes. For rolling code receiver.

AQ
9076001
868 MHz aerial with 4m cable.

BT12
9086010
12 V Battery, for transmitter.
Available in 50 pcs packing.

ADVANTOUCH READY

ELECTRONIC SIGNALS & CONTROLS
PROGRAMMABLE CODE TRANSMITTERS

2 or 4 channels

- Programmable code transmitter available with 2 or 4 channels with dip-switches code
- Operating frequency 433.92 MHz

TO.GO2WP
9863067

2 channels transmitters, dip-switches code.

TO.GO4WP
9863068

4 channels transmitters, dip-switches code.

TO.GO2WK
9863167

2 channels self-learning code transmitter.

TO.GO4WK
9863168

4 channels self-learning code transmitter.

RECEIVERS AND ACCESSORIES

ONE.2WB
9673103

Universal receiver 433.92 MHz, 2 channels in box.

ONE.2WI
9673102

433.92 MHz universal plug-in receiver, 2 channels.

RR.4WBP
9673159

4 channel receiver 433.92 MHz with programmable code system. 230 Vac power supply.

RR.4WBP24
9673161

4 channel receiver 433.92 MHz with programmable code system. 24 Vac/dc power supply.

CALL
9673166

Four-channel GSM receiver, up to 4 automations control without limits of distance. Makes it possible to use the device by means of a mobile telephone.

AW
9076058

433.92 MHz aerial with 4m cable.

BT12
9086010

12 V Battery, for transmitter.

Available in 50 pcs packing.

ADVANTOUCH READY

ELECTRONIC SIGNALS & CONTROLS ROLLING-CODE TRANSMITTERS

surface mounting transmitter
2 or 4 channels

- Transmitter with surface mounting holder
- 433.92MHz rolling code system, extremely reliable with over 18 billion code combinations
- Over 100mt range in open-area
- Battery power supply 12 Vdc
- 2 or 4 channels

APPLE.2
9863052

433.92 MHz self-learning rolling code transmitter available with 2 channels, with surface mounting holder.

APPLE.4
9863053

433.92 MHz self-learning rolling code transmitter available with 4 channels, with surface mounting holder.

RECEIVERS AND ACCESSORIES

ONE.2WB
9673103

Universal receiver 433.92 MHz, 2 channels in box.

ONE.2WI
9673102

433.92 MHz universal plug-in receiver, 2 channels.

RR.4WBV
9673158

4 channel receiver 433.92 MHz with rolling code system. 230 Vac power supply.

RR.4WBV24
9673160

4 channel receiver 433.92 MHz with rolling code system. 24 Vac/dc power supply.

CALL
9673166

Four-channel GSM receiver, up to 4 automations control without limits of distance. Makes it possible to use the device by means of a mobile telephone.

MEM2048
9570001

Accessory that allows the extension of the receiver memory up to 2048 codes. For rolling code receiver.

AW
9076058

433.92 MHz aerial with 4m cable.

BT12
9086010

12 V Battery, for transmitter.

Available in 50 pcs packing.

ES.MINI
9673185

2 channel receiver 433.92 MHz with rolling code and programmable code system. Ideal for control of simple automations (i.e. shutters or lighting control) without the need for costly building works. Compact size (42x36x21mm) which allows for insertion even in embedded boxes in electrical systems (i.e. switches).

ADVANTOUCH READY

ELECTRONIC SIGNALS & CONTROLS
ROLLING-CODE TRANSMITTERS

2 channels

- Two-channel rolling code transmitter, small size
- Available in the grey version or in 5 colours, all belonging to the COLOURS range
- A cheerful choice to express the different ways of feeling BENINCÀ, each one corresponding to a colour, varying our remote control and ourselves in a unique way

IO.GREY
9863155

Transmitters series IO.2WV, 433.92 MHz 2 channels rolling-code.

Pack of 10 pieces.

IO.COLOURS
9863150

Transmitters series IO&COLOURS, 433.92 MHz 2 channels rolling-code.

Pack of 10 pieces. Composed of two transmitters each colour.

RECEIVERS AND ACCESSORIES

ONE.2WB
9673103
Universal receiver 433.92 MHz, 2 channels in box.

ONE.2WI
9673102
433.92 MHz universal plug-in receiver, 2 channels.

MEM2048
9570001
Accessory that allows the extension of the receiver memory up to 2048 codes. For rolling code receiver.

AW
9076058
433.92 MHz aerial with 4m cable.

BT.IO
9086001
Battery 3v.

Pack of 25 pieces.

ADVANTOUCH READY

ELECTRONIC SIGNALS & CONTROLS
UNIVERSAL RECEIVER

2 channels

433.92 MHz

ONE.2WB
9673103

433.92 MHz 2 channels universal receiver, in box.
Suitable for rolling code, programmable code and advanced rolling code. The first memorized transmitter will set up the kind of accepted code.

433.92 MHz

ONE.2WI
9673102

433.92 MHz 2 channels universal plug-in receiver.
Suitable for rolling code, programmable code and advanced rolling code. The first memorized transmitter will set up the kind of accepted code.

868 MHz

ONE.2QB
9673112

868 MHz 2 channels universal receiver, in box.
Suitable for rolling code, programmable code and advanced rolling code. The first memorized transmitter will set up the kind of accepted code.

868 MHz

ONE.2QI
9673111

868 MHz 2 channels universal plug-in receiver.
Suitable for rolling code, programmable code and advanced rolling code. The first memorized transmitter will set up the kind of accepted code.

ELECTRONIC SIGNALS & CONTROLS
RECEIVER

4 channels

433.92 MHz

ADVANTOUCH READY

RR.4WBV
9673158

4 channel receiver 433.92 MHz with rolling-code system.
Programming via built-in display. 230 Vac power supply.
Optional operation using 12 Vdc buffer battery with built-in auto charger circuit (batteries excluded). 4 max 5A relay outputs.

433.92 MHz

RR.4WBP
9673159

4 channel 433.92 MHz programmable code receiver.
Programming via display, memory 16 codes capacity,
230 Vac power supply. Optional operation using 12 Vdc buffer battery with built-in auto charger circuit (batteries excluded).
4 max 5A relay outputs.

RR.4WBV24
9673160

4 channel receiver 433.92 MHz with rolling-code system.
Programming via built-in display. 24 Vac/dc power supply.
Optional operation using 12 Vdc buffer battery with built-in auto charger circuit (batteries excluded). 4 max 5A relay outputs.

RR.4WBP24
9673161

4 channel 433.92 MHz programmable code receiver.
Programming via display, memory capacity 16 codes,
24 Vac/dc power supply. Optional operation using 12 Vdc buffer battery with built-in auto charger circuit (batteries excluded).
4 max 5A relay outputs.

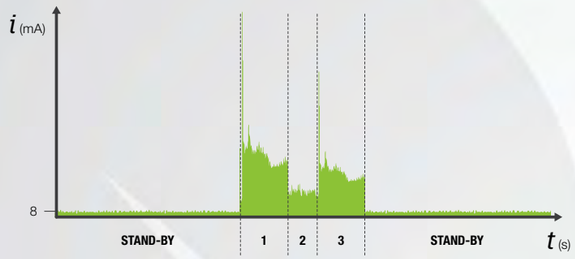
ESA BASIC
9176108

ELECTRONIC SIGNALS & CONTROLS
GREEN ECONOMY

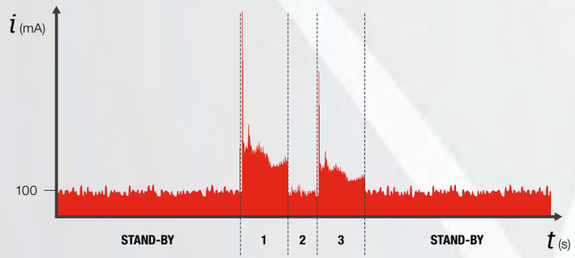
ECO COMPATIBLE AUTOMATED DEVICES
THE BEST WAY TO SAVE

PATENT PENDING

TYPICAL TREND OF POWER ABSORPTION WITH ESA SYSTEM ACTIVATED ON BULL1024ESA MODEL



TYPICAL TREND OF POWER ABSORPTION WITH ESA SYSTEM DEACTIVATED ON BULL1024ESA MODEL



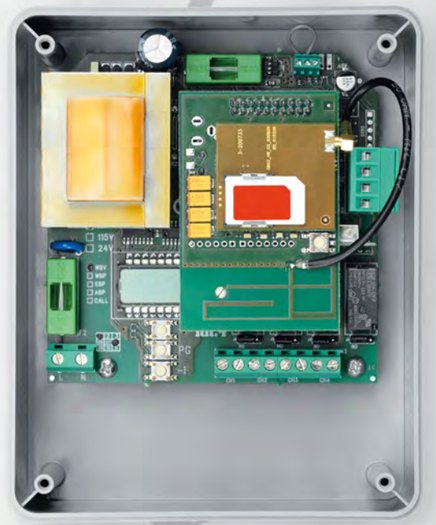
1. OPENING PHASE
2. TCA
3. CLOSING PHASE

- BENINCÀ is the first to introduce on the automation market a system that allows to reduce energy consumption with a device applicable to all new or existing automation systems, wither by BENINCÀ or other manufacturers. This allows any user to bring their automation in line with today's concerns related to energy consumption
- The ESA control panel 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 to have a great energy saving even during stand-by mode
- The control panel can also be used as a normal receiver with 6 channels
- Transmitters can be mantained directly in the ESA
- Maximum flexibility thanks to the three types of code: rolling code, advanced rolling code (ARC) and programmable code

CALL
9673166

ELECTRONIC SIGNALS & CONTROLS
GSM RECEIVER

4 channels

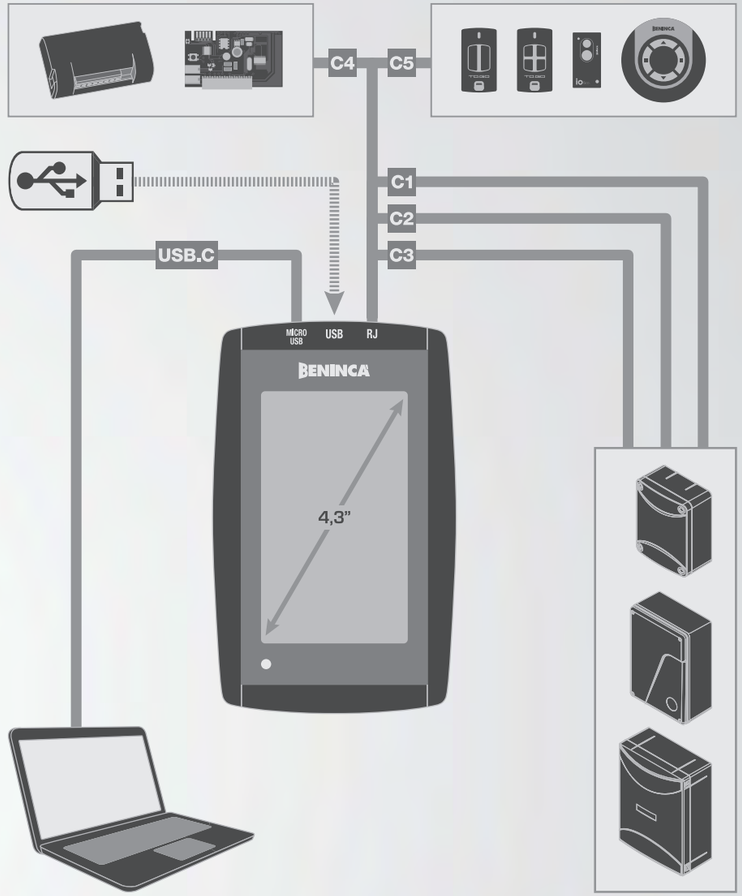


- 4-channel receiver to control the automation system via mobile phone (text or call), along with radio control
- It can control various types of systems, such as alarm systems, garden irrigation, etc
- The system is operated by entering a certain number of (telephone) users in the receiver's SIM card. Each user will them be able to control all the functions for which it has been programmed
- Associating the number of possible users, the settings associated with the telephone numbers (saving/deleting/editing the settings) and saving the rolling code transmitters may be done without having to access the control panel and does not require the survey of an operator, as they may be done with a mobile phone
- CALL allows to associate a function that can be activated with a missed call (no charges) to one of the four channels. So the activation of a control by a user is made possible by means of a simple call free of charge. (for instance opening the gate, switching on the lights, the alarm system).
- The built-in display allows to customise the function of each relay: monostable, bistable or timed up to 600 seconds.
- If the alarm system is associated with one of the four channels, CALL is designed to call a pre-set user, in the event of a sudden activation of the alarm itself.
- The alarm system can be deactivated by a user authorised to access this function via mobile phone.
- The input for buffer battery with 12 Vdc (optional) with integrated recharge control guarantees operation of the receiver even during a power cut

ELECTRONIC SIGNALS & CONTROLS

New controller, fully reworked in functions:

- 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

AD.CD
ADVANTOUCH management software on CD for PCs with WINDOWS operating system.

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.

USB.C
Cable to connect ADVANTOUCH to network power supply and PC.

BENINCA®
TECHNOLOGY TO OPEN

SIGNAL AND COMMAND

- transponder devices
  - TEO SYSTEM
    - **TEO**
    - **TEO CARD**
    - **BE.PROXY**
    - **BE.READ**
    - **TO.GO2WVT**
    - **TO.GO4WVT**
- digital keypad
  - **BE.TOUCH**
  - **BE.PLAY**
- push buttons
  - **PNO**
  - **PNC**
  - **IPB.NO**
  - **IPB.NC**
- key selector
  - with key
    - **TOKEY**
    - **TOKEY.E**
    - **TOKEY.I**
    - **CH**
  - with magnetic key
    - **ID.SCM**
- columns
  - **COL.10N**
- flashing lights
  - **LAMPI.LED**
  - **LAMPI24.LED**

DETECTION AND SAFETY DEVICE

- photocells & accessories
  - photocells
    - **PUPILLA**
    - **PUPILLA.B**
    - **PUPILLA.F**
    - **FTC.S**
    - **SC.P30QIS**
  - columns
    - **COL05N**
    - **COL12N**
    - **COL.P**
    - **SC.PEQ**
    - **SC.PNQ**
- safety devices
  - conductive safety edge
    - **SC.RES**
    - **SC.RL**
    - **SC.A**
    - **SC.EN**
    - **SC.90**
    - **SC.L**
    - **RF.SUN**
    - **RF**
    - **SC.RF**
  - mechanical safety edge
    - **SC.M71**
    - **SC.M72**
    - **SC.R71**
    - **SC.R72**
    - **SC.F15**
    - **SC.F20**
    - **SC.F25**
    - **SC.R15**
  - pneumatic safety edge
    - **SC.P35**
  - instruments for the measuring of the impact-generated forces
    - **IGF**

SIGNALS AND COMMAND

TEO SYSTEM

- 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 insertable cards or tags (TEO/TO.GO2WVT/TO.GO4WVT)
- 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 of memorising the cards and tags one by one with the BE.READ, or in remote mode with the BE.PROXY, using a master card

TEO
9614255

Transponder device key holder shaped.

Packaging: 10 pcs.

TEO CARD
9781025

Transponder device in card format.

BE.PROXY
9614250

Proximity reader for TEO/TEO CARD/TO.GO2WVT/TO.GO4WVT externally fitted, to be used with the BE.READ receiver. Reading distance 2-5 cm.

BE.READ
9673010

Two-channel receiver for BE.PROXY reader. With two relay outputs. Timed or bistable operating mode. Memory capacity 250 cards/tags/ TO.GO2WVT/TO.GO4WVT.

433.92 MHz

TO.GO2WVT
9863092

2 channels self-learning code transmitter with transponder.

433.92 MHz

TO.GO4WVT
9863093

4 channels self-learning code transmitter with transponder.

SIGNALS AND COMMAND

BE.TOUCH

- Capacitive touch-screen keypad
- LED backlight
- Battery operated: Primary lithium (Li) 2 x CR123A (2 batteries) capacity 1400 mAH
- Battery autonomy: minimum 4 years with 10 activations a day
- Operating frequency 433.92 MHz compatible with all radio frequency receivers by Benincà
- Type of coding: rolling code, programmable code and advanced rolling code (ARC). The three codes can be used together, increasing the versatility of the keypad
- Range in open air: 100 m
- Maximum amount of codes that can be stored: 254
- Code between 1 and 9 figures
- Key numbers from 0 to 9 plus confirm key
- Possibility of setting access password, countdown codes and deleting individual codes
- Flat-battery signaling system and a buzzer for audio signalling
- IP55 Protection level

Activate the keypad by laying a hand on the screen

Type in the previously memorised code, followed by "Enter"

Two beeps and two flashes of the back lights indicate the completion of transmission

BE.TOUCH

9670001

Digital keypad with battery, with wireless functionality and alarm buzzer. Backlight buttons, with capacitive type activation.

BE.PLAY

9670013

Metal digital keypad with numeric illuminated keys in stainless steel.

BE.PLAY ACCESSORIES

BE-REC
9673028

24 Vac/dc 2 channels decoder for BE-PLAY. Operating mode: Bistable or time. It is possible to link up to 4 BE-PLAY. Relay output max 500 mA Memory capability up to 255 codes.

KC-BEPLAY
9005015

Adapter for BE.PLAY digital pad on COL10N / 12N columns

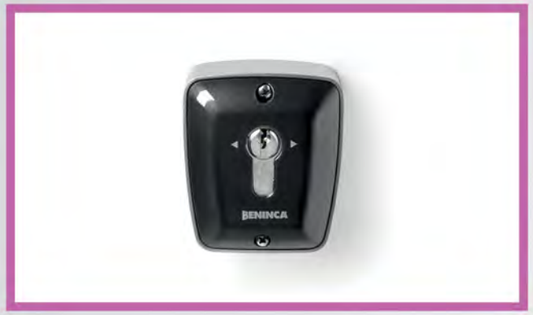
COL10N
9230004

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
9230003

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

SIGNALS AND COMMAND



TOKEY
9764006

Surface mounting key selector.

TOKEY.E
9764002

Surface mounting key selector with European cylinder.

TOKEY.I
9764005

Flush mounting key selector.

IP 67 Water proof limit switch.

CH
9764012

Key selector, in die-cast aluminium with waterproof micro switches.
KE or KI accessories are required for different way of fittings.

ID.SCM
9764030

Magnetic key selector.

ACCESSORIES

CEM
9623565

Counterplate to be cemented for COL10N base.

COL10N
9230004

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
9252005

Surfaced mounted box for CH key selector switch.

KI
9252008

Flush mounted for CH key selector.

ID.SK
F8189060

Neutral key for CH/TOKEY.

ID.MK
9189010

Magnetic key for ID.SCM.

PUSH BUTTONS

SIGNALS AND COMMAND

PNO
9670012

Surface mounting push buttons with 2 normally open contact.

To be fitted on COL10N pillar.

PNC
9670014

Surface mounting push buttons with a normally open contact and a normally closed contact.

To be fitted on COL10N pillar.

IPB.NO
9670051

Industrial surface mounting push buttons with 2 normally open contact.

IPB.NC
9670050

Industrial surface mounting push buttons with a normally open contact and a normally closed contact.

FLASHING LIGHTS

SIGNALS AND COMMAND

LAMPI.LED
9534098

230 Vac Led flashing light with built-in aerial.

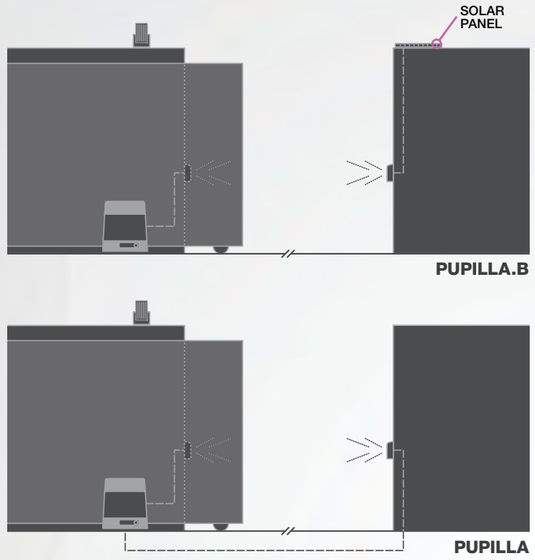
LAMPI24.LED
9534099

24 Vdc Led flashing light with built-in aerial.

ACCESSORIES

COL10N
9230004

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



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

9409006

Pair of externally fitted photocells, turning through 220° C.
Photovoltaic panel to charge transmitter battery.
With of led with diagnostic function.

PUPILLA / PUPILLA.F

9409001 9409007

24 Vac/dc synchronize of surface mounting photocell with 180° rotation beam. (110X36X31mm) It is possible to synchronised up to 4 couple of photocells. A led makes the centring of the beam easy and fast.

PUPILLA.F: Pair of fixed photocells for external fitting.

FTC.S

9409089

24 Vac/dc synchronize surface mounting photocell.
It is possible to synchronised up to 4 couple of photocells.
They can be fitted also on COL05N, COL10N and COL12N aluminium columns.

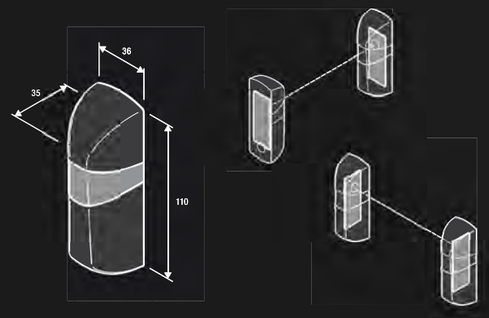
SC.P30QIS

9409028

24 Vac/dc synchronize flush mounting photocell.
It is possible to synchronised up to 4 couple of photocells.

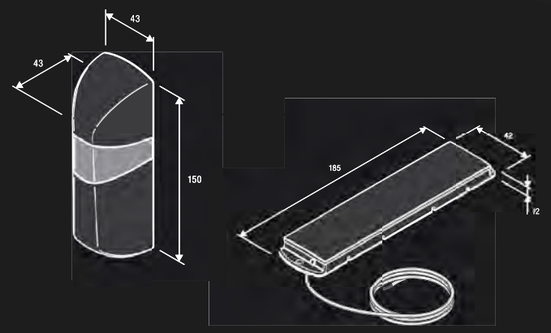
SC.PD not included.

■ PUPILLA



Rotation through 180° allows the alignment of the photocells irrespective of the way they are fixed to the base

■ PUPILLA.B



ACCESSORIES

SF
9830009
Lateral support for FTC.S photocells.
2 pcs packing.

SC.PD
9252010
Plastic container for recess SC.P30QIS.
2 pcs packing.

DETECTION AND SAFETY DEVICES

COL05N
9230002

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.

H= 0.5 m

COL10N
9230004

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

COL12N
9230003

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.

H= 1 m

COL.P
9230006

Column in anodised aluminium with base, for the PUPILLA, PUPILLA.F photocell.

H= 0.5 m

COL.BY
9230042

Column pair for PUPILLA.F equipped with base and cover.

H= 0.5 m

ACCESSORIES

CEM
9623565

Counterplate to be cemented for COL05N, COL10N and COL12N columns.

DETECTION AND SAFETY DEVICES

- 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 rib, protection level: IP 55
- 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
9409015

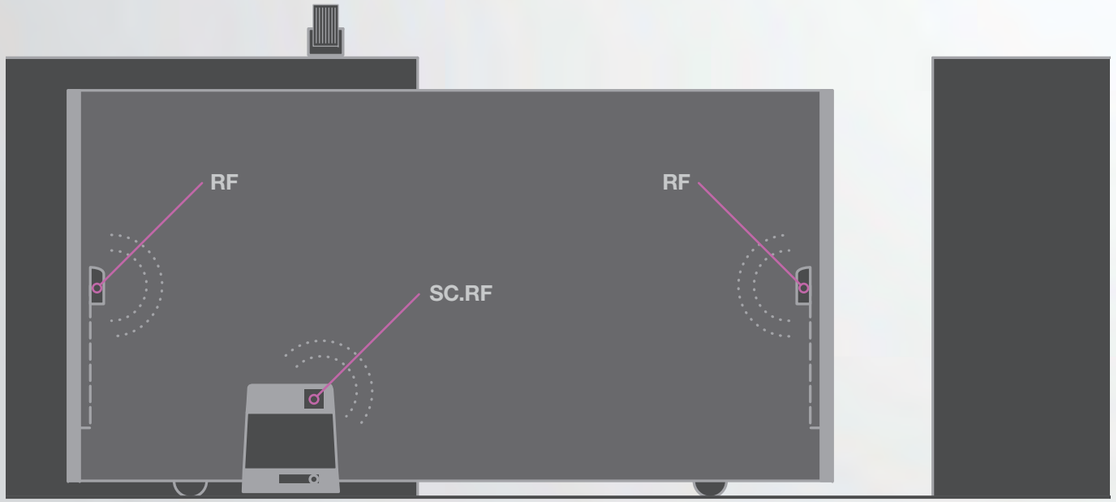
Battery-operated system recharged through a photovoltaic panel to be applied on a mobile edge. The photovoltaic panel grants the maximum system's autonomy.

RF
9409016

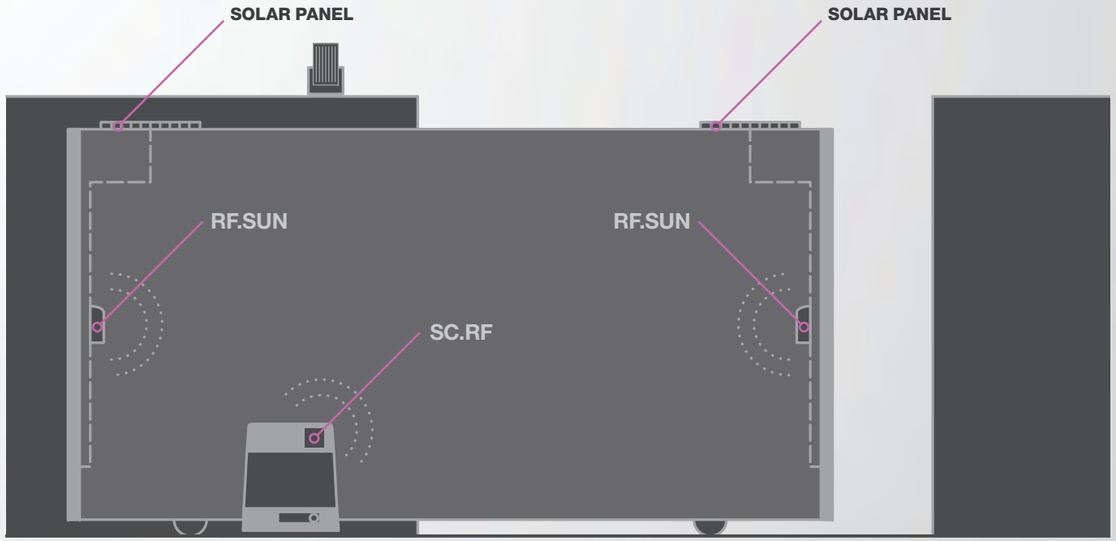
Radio transmitters with a non rechargeable battery, with guaranteed duration 2 years.

SC.RF
9409014

12/24 Vdc receiver with self-test function and 2 output relay.



RF + SC.RF APPLICATION



RF.SUN + SC.RF APPLICATION

DETECTION AND SAFETY DEVICES

conductive safety edge

SC.RES / SC.RL
9270060 9270061

Safety edge in conductive rubber.
28.5 mm Width.
Minimum packing: 20 m.
SC.RES: 25 mm Height
SC.RL: 65 mm Height

conductive safety edge

SC.A
9667010

Aluminium profile for SC.RES / SC.RL.
Packing 2 m.

conductive safety edge

SC.90
9520005

Angular device set for SC.RES.

mechanical safety edge

SC.R71 / SC.R72
9667062 9667063

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.

mechanical safety edge

SC.M71 / SC.M72
9270040 9270050

Mechanical safety edge, 1.5 m.

Mechanical safety edge, 2 m.

mechanical safety edge

SC.F15 / SC.F20 / SC.F25
9270070 9270071 9270072

Mechanical safety edge, 1.5 m long.

Mechanical safety edge, 2 m long.

Mechanical safety edge, 2.5 m long.

conductive safety edge

SC.L
9520010

Linear device set for SC.RES.

conductive safety edge

SC.EN
9760026

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.

pneumatic safety edge

SC.P35
9270010

Pneumatic safety edge with plugsand aluminium profile.
Packing: 40m.

mechanical safety edge

SC.R15
9270002

Rubber profile, 15 mm high, for SC.M71/72.
Packing: 25 m.

INSTRUMENTS FOR THE MEASURING OF THE IMPACT-GENERATED FORCES

IGF-B / IGF-S
9840001 9840002

Available in two versions:
with bluetooth (IGF-B) and with cable (IGF-S).

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 SpAAny return of goods for credit must be authorised beforehand by AUTOMATISMI BENINCÀ SpAand 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 BENINCA' 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 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: Pursuant to and in accordance with art. 24, Leg.D. 30 June 2003, no. 196, the Customer consents to the storage and processing of his sensitive and personal details, being aware that they shall be processed and kept in conformity with the respective legislation in force. The personal details supplied by the Customer are processed in accordance with the provisions of the law on privacy. The aforesaid details shall be processed with procedures suitable to ensure their security and confidentiality. They will be processed for commercial purposes in the field and with relation to the execution of the contracts to be stipulated. The personal details may be communicated to third parties in Italy or abroad, to achieve the aims indicated above. The parties concerned have the right: a) to obtain confirmation of the existence of any processing of personal details concerning them; b) to have these same details deleted, transformed, updated, corrected and/or integrated; c) to oppose the processing of personal details for the purposes of commercial information and for sending advertising material.

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.

HOW TO REACH US

BENINCA' THROUGHOUT THE WORLD

HEADQUARTER

BENINCA® TECHNOLOGY TO OPEN

AUTOMATISMI BENINCÀ SpA
via del Capitello, 45
36066 Sandrigo (VI) ITALY
T +39 0444 751030
F +39 0444 759728
www.beninca.com
sales@beninca.it

AFILIATED COMPANIES

BENINCA FR TECHNOLOGY TO OPEN — **FRANCE**

BENINCÀ FRANCE S.A.R.L.
Parc de Genève
240 Rue Ferdinand Perrier
69800 Saint - Priest - France
T +33 (0)4 72 90 80 30
F +33 (0)4 72 90 80 31
info@benincafrance.fr
www.benincafrance.fr

BENINCA NORTE TECHNOLOGY TO OPEN — **SPAIN**

BENINCÀ NORTE S.L
Calle Castelltallat n. 26 Polígono Industrial
Els Dolors Manresa (Barcelona)
Código postal 08243
T +34 93 874 87 86
F +34 93 874 87 86
info@benincanorte.es
www.beninca.es

БИСАЙД АВТОМАТИЧНИ ЗАДВИЖВАНИЯ — **BULGARIA**

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102 Oborishte Str. Sofia
P +359 29442236
F +359 29442256
info@beside.bg
www.beside.bg

BENINCA UK TECHNOLOGY TO OPEN — **ENGLAND**

BENINCÀ AUTOMATION UK Ltd
Unit 11, Wantage Rd
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Berkshire. RG17 0HG
P 08443588950
F 08443588951
info@beninca.co.uk
www.beninca.com

BENINCA CS TECHNOLOGY TO OPEN — **CZECH REPUBLIC**

BENINCÀ CS s.r.o.
Poděbradská 56/186
190 00 Praha 9 - Hloubětín
P +420 281868814
F +420 266107293
info@beninca.com
www.beninca.cz

B2U beninca portugal limitada — **PORTUGAL**

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2665-593 Venda do Pinheiro Portugal
P +351 219668921
F +351 219668922
geral@b2u.pt
www.beninca.pt

BENINCA AUTOMATYKA DO BRAM — **POLAND**

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ul. Holenderska 1
05 - 152 Czosnów
P +48 227239101
F +48 227239099
biuro@beninca.pl
www.beninca.pl

BENINCA VICENZA TECHNOLOGY TO OPEN — **ITALY**

BENINCA VICENZA
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