

LIVE THE EXPERIENCE ENGLISH CATALOGUE

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...









MULTIMEDIA CONFERENCE ROOM

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



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: 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 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.

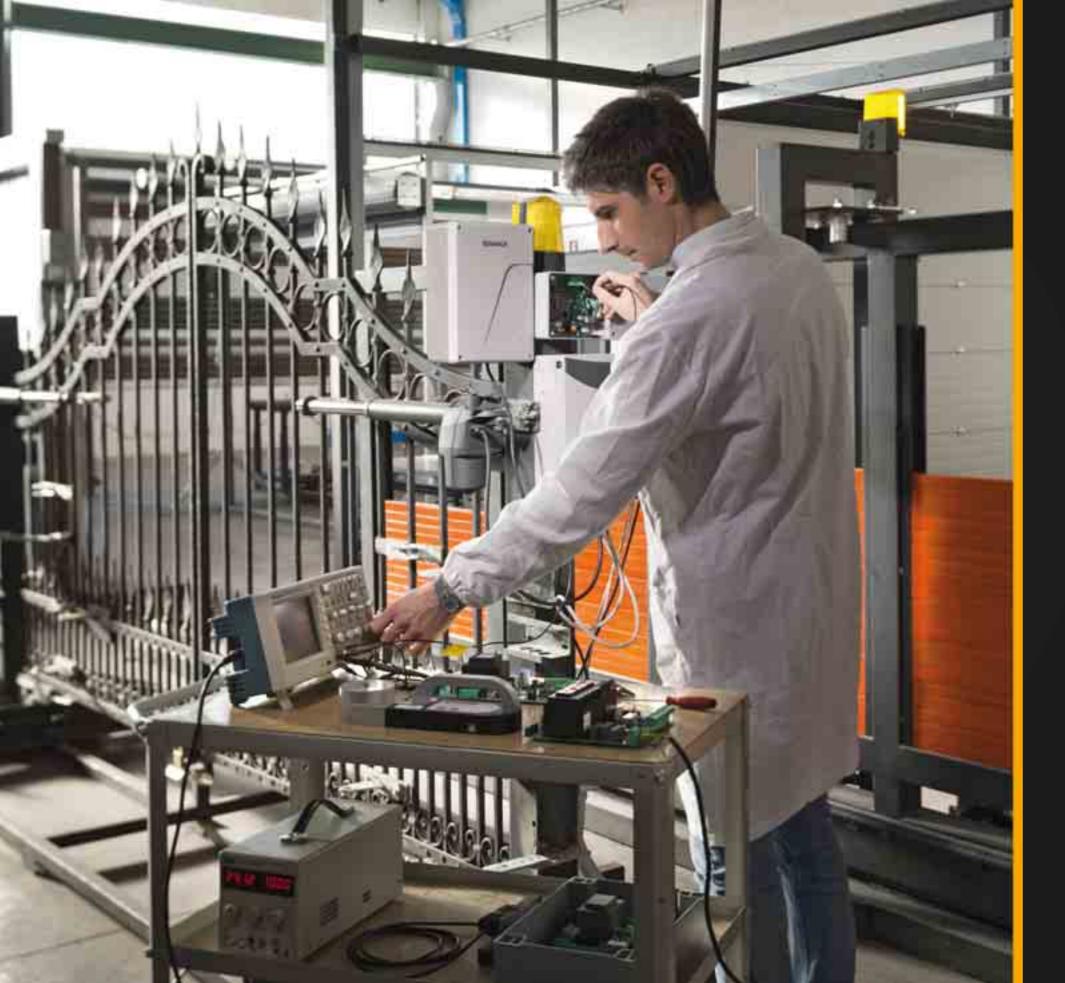
Particularly in recent years, with construction of the Benincà Holding company, the R&D department has been enhanced, today becoming an indisputable company strength.

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



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.

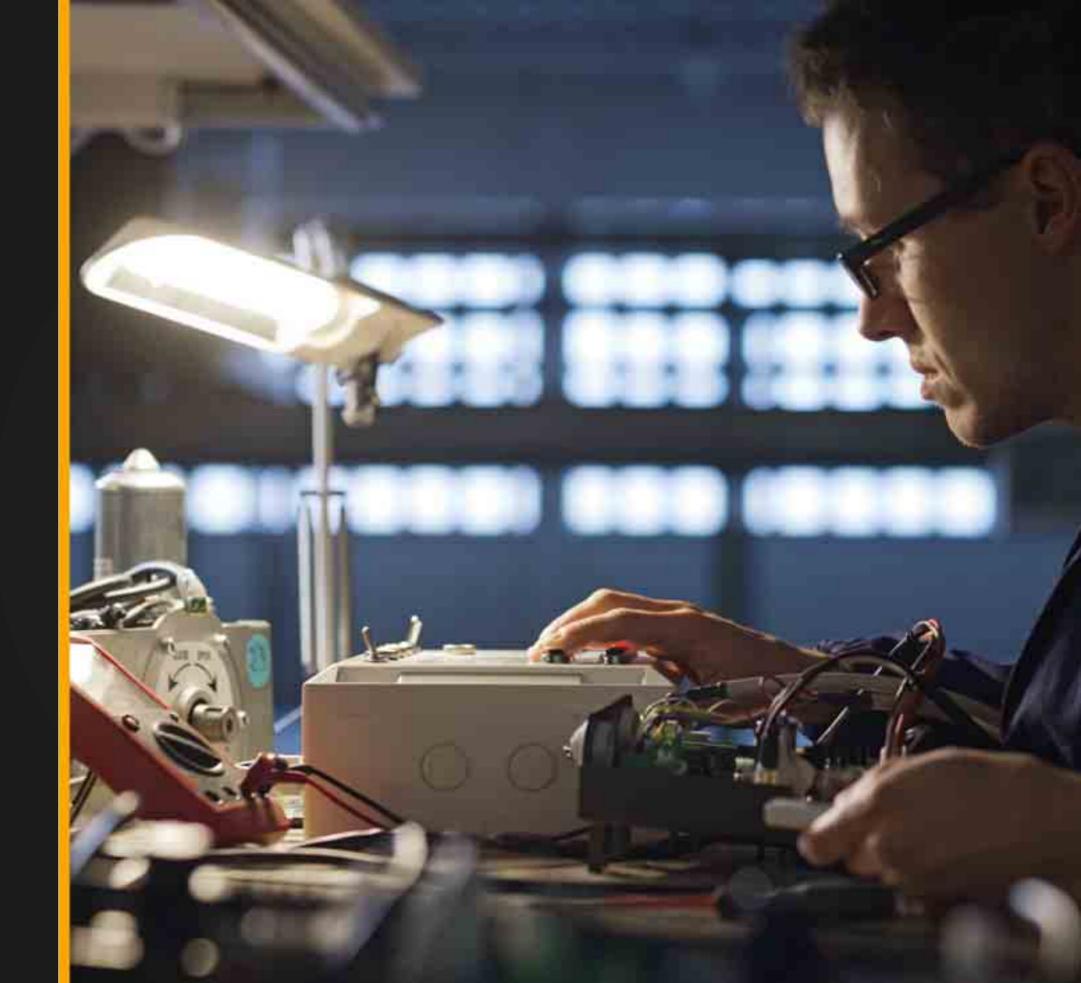
INCOMING CONTROL: occurs after receipt of the material into the company, via physical and metrological testing.

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.







THE ITALIAN PASSION

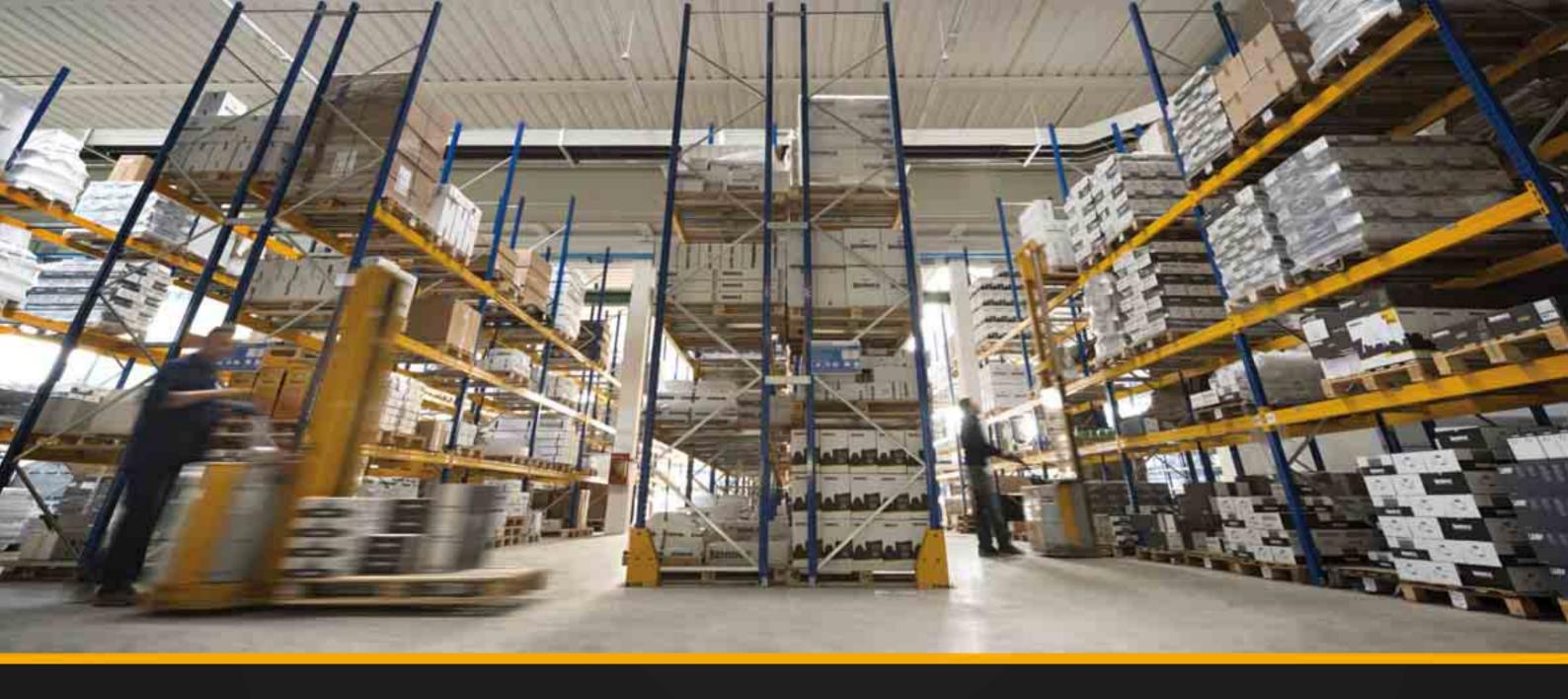
DIRECT PRODUCTION

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.



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.

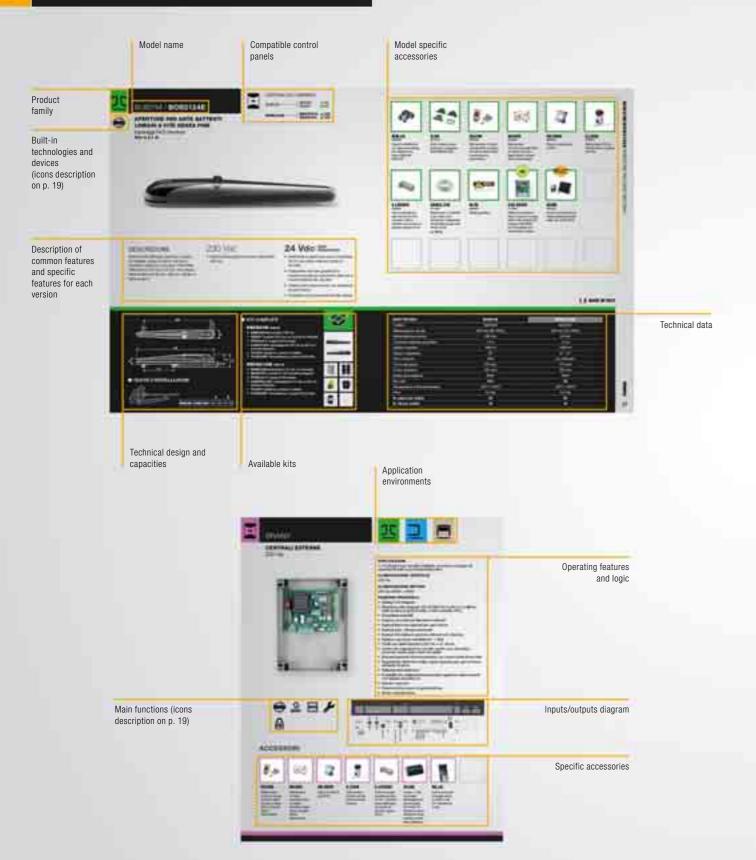
In addition to this, to improve the picking speed, an automatic dual bay vertical warehouse has been installed, for electronic materials management.

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.

EFFICIENT PLANNING

LOGISTICS AND TRACEABILITY

CONSULTATION GUIDE



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

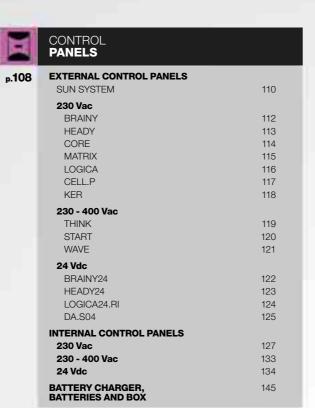
The presence of the encoder allows full compliance with safety regulations by ensuring maximum precision during the automation manoeuvre phases.

AUTOMATIONS FOR **SWINGING GATES** LINEAR WORM SCREWS BOB21M / BOB2124E 26 BOB30M / BOB3024E 28 BOB50M / BOB5024E 30 LINEAR TELESCOPIC OPERATOR BILL30M 32 BILL40M 34 BILL50M 36 ARTICULATED ARM 38 KBN24 MB24 / MBE24 40 PREMIER / PREMIER24 42 UNDERGROUND INSTALLATION DU.IT14N / DU.IT24NVE 44 DU.350N 46

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	RESIDENTIAL USE COMMERCIAL USE ZED / ZED24 JIM INDUSTRIAL USE VN.S VN.M VN.MT40V VN.S40V

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BENINCA' THROUGHOUT THE WORLD

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CONTROL PANELS

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

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

LINEAR TELESCOPIC OPERATOR

LINEAR WORM SCREWS

BILL30 230 Vac	BILL30M KBILL30M
BILL40 230 Vac	BILL40M KBILL40M
BILL50 230 Vac	BILL50M BILL50ML KBILL50M

CONTROL PANELS
HEADY / BRAINY HEADY
HEADY / BRAINY HEADY
HEADY / BRAINY HEADY / BRAINY HEADY

CONTROL PANELS

UNDERGROUND INSTALLATION DI

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

ARTICULATED ARM

^{*} 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

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

		100 kg	150 kg	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	550 kg	650 kg
LENGTH	1,8 m	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL30M BILL40M	BILL40M	BILL40M	BILL40M	BILL40M	
GATE LI	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

		150 kg	200 kg	250 kg	280 kg	300 kg	350 kg	400 kg	500 kg	600 kg
LENGTH	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
GATE L	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.45E PR.45EL 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

	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

BRAINY BOB21M

CONTROL PANELS:

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BRAINY24 p.122 BOB2124E HEADY24 p.123

AUTOMATIONS FOR SWINGING GATES LINEAR WORM SCREWS

patented FACE gears up to 2.1 m



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

Lock with personalized key and cover for B0B21M/B0B2124E unlock system.



B.SR

Multiposition brackets for one operator BOB21M/BOB2124E.



B.P

Screw-on plate for models in the BOB21 series.



DU.V96

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



DU.V90

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



DU.9990

Covering plate for DU.V90.



E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE

outside.

Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the device in the 24 Vdc versions.

L= 100 m.



Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder

CABLE.24E



ID.TA



ESA BASIC

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



AUTOMATIONS FOR SWINGING GATES

KSUN

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



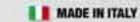


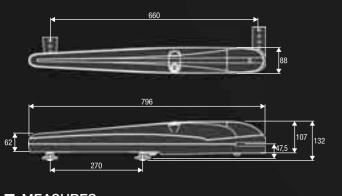












MEASURES

<u>B</u> →			
4		A	В
•	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

KB0B2124E 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













BRAINY

p.112

HEADY p.113

BOB30ME · BRAINY

p.112

BOB3024E

BOB30M

CONTROL PANELS:

BRAINY24 p.122 HEADY24 p.123

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



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

- 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.SR 9819310

E.LOCK

counterplate.

230 Vac vertical electric

lock, supplied with

Multiposition brackets for one operator B0B30M/E/B0B3024E



9819005

Screw-on plate for models in the BOB30 series.

B.P



BOB.SL

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



DU.V96

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

ID.TA



DU.V90

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



B0B30M/B0B3024E

AUTOMATIONS FOR SWINGING GATES

DU.9990

Covering plate for DU.V90.



ESA BASIC

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

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





E.LOCKSE

outside.

Extended cylinder for

E.LOCK electric lock. It

allows to unlock gates up

to 55mm-thick from the



CABLE.24E

Cable reel with 5 conductors

(2 for motor, 3 for encoder)

for connecting the encoder

device in the 24 Vdc

versions.

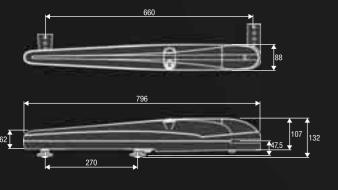
L= 100 m.



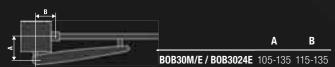




MADE IN ITALY



MEASURES



■ COMPLETE KITS

KBOB30M 9592096

2 BOB30M 230 Vac Operators HEADY 230 Vac control unit with integrated receiver

1 PUPILLA.F Pair of photocells1 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 BRAINY 230 Vac control unit with integrated receiver **PUPILLA.F** Pair of photocells

LAMPI.LED 230 Vac Led flashing light

TOKEY Metal key selector
TO.GO2WV 433.92 MHz Transmitter

KBOB3024E 9592089

BOB3024E 24 Vdc Operators equipped with encoder device
 BRAINY24 24 Vdc control unit with integrated receiver

PUPILLA.F Pair of photocells
LAMPI24.LED 24 Vdc Led flashing light

1 TOKEY Metal key selector1 TO.GO2WV 433.92 MHz Transmitter



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 5.5 A Max absorbed current 1.8 A 1.8 A Max Thrust 2300 N 2300 N 1800 N 18" 18" 9" - 21" Opening time 30% 30% Operation cycle intensive use 270 mm 270 mm Standard stroke 270 mm Max stroke 325 mm 325 mm 325 mm Protection level IP44 IP44 IP44 Encoder NO YES YES -20°C /+50°C -20°C /+50°C -20°C /+50°C Operating temperature 3.0 m 3.0 m 3.0 m Leaf max dimension Weight 8.6 kg 8.6 kg 8.6 ka 54 54 54 Items no. per pallet 18 18 18 Kits no. per pallet

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





B.P 9819005

Screw-on plate for models in the BOB50 series.



DU.V96

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



DU.V90

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



DU.9990 Covering plate for DU.V90.

230 Vac vertical electric lock, supplied with counterplate.

E.LOCK



E.LOCKSE

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

BOB50M/BOB5024E

AUTOMATIONS FOR SWINGING GATES



CABLE.24E

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

L= 100 m.



ID.TA

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

the battery operation.

ESA BASIC



KSUN

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





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





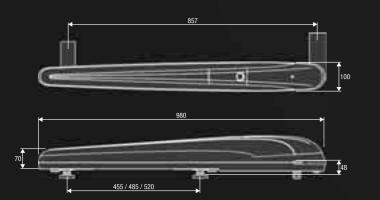




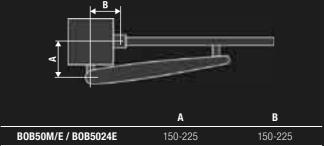




MADE IN ITALY



MEASURES



TECHNICAL DATA	BOB50M	BOB50ME	B0B5024E
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

p.112 p.113

AUTOMATIONS FOR SWINGING GATES LINEAR TELESCOPIC OPERATOR

personalised release key up to 2.5 m



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

Telescopic stem cover accessory for models BILL30M.



DU.V96

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



DU.V90

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



DU.9990

Covering plate for DU.V90.



E.LOCK

230 Vac vertical electric lock, supplied with counterplate.

BILL30M AUTOMATIONS FOR SWINGING GATES



E.LOCKSE

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



ID.TA

Warning board.



ESA BASIC

System that reduces the electrical energy





consumption.

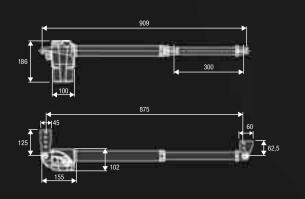








MADE IN ITALY



MEASURES

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1	75	

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

personalised release key up to 3.5 m



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

Telescopic stem cover accessory for models BILL40M.



DU.V96

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



DU.V90

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



DU.9990

Covering plate for DU.V90. 230 Vac vertical electric

E.LOCK



BILL40M AUTOMATIONS FOR SWINGING GATES



E.LOCKSE

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



ID.TA

Warning board.



ESA BASIC

System that reduces the electrical energy consumption.

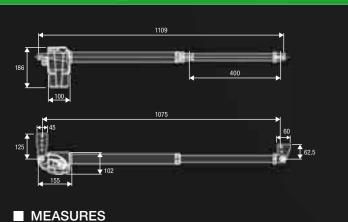








MADE IN ITALY

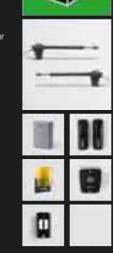


BILL40M 100-200 100-200

■ 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



PH 1 4014
BILL40M
9592124 (R) / 9592125 (L)
230 Vac (50-60Hz)
230 Vac
1.1 A
2800 N
18"
30%
400 mm
420 mm
IP54
-20°C /+50°C
3.5 m
6.0 kg
60
21

AUTOMATIONS FOR SWINGING GATES LINEAR TELESCOPIC OPERATOR

personalised release key up to 4.5 m



CONTROL PANELS: BILL50M

p.112 p.113 p.112 p.113 **BRAINY** BILL50ML HEADY



230 Vac

MEASURES

- 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

Multiposition brackets for one operator BILL50M/L.



BILL50.CO

Telescopic stem cover accessory for models BILL50M.



DU.V96

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



DU.V90

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



DU.9990

Covering plate for DU.V90.



E.LOCK

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE

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



ID.TA

Warning board.



ESA BASIC

System that reduces the electrical energy consumption.





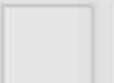






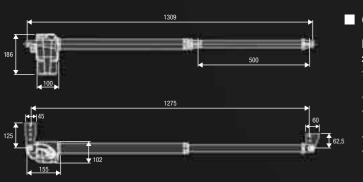












BILL50M 180-250

BILL50ML 120-200

180-250

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

up to 2.1 m

ARTICULATED ARM

with integrated control box and receiver

AUTOMATIONS FOR SWINGING GATES

DU.V90 9765030

12 Vac/dc horizontal

electric lock, supplied

with counterplate. Permits

internal/external release.



Covering plate for DU.V90.

DU.9990

L.BY 9760024

Control board for electric lock 12/24 Vdc.

KBN24 AUTOMATIONS FOR SWINGING GATES

DU.V96

BN.SE 9090019

Externally fitted antiintrusion cable unlock device which allows the gate to be unlocked from outside.



Single arm for BN24/



ESA BASIC

System that reduces the electrical energy



12 Vac/dc vertical electric

lock, supplied with

counterplate. Permits

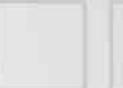
internal/external release.

KSUN

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

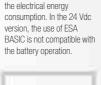








ID.TA Warning board.











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

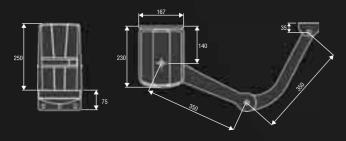








MADE IN ITALY



MEASURES



A (mm)	B (mm)	$\boldsymbol{c}_{\text{(mm)}}$	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

MBE24 CP.MBY24 p.135

MB24 BRAINY24 p.122

AUTOMATIONS FOR SWINGING GATES ARTICULATED ARM

with integrated control box personalised release key up to 2.5 m



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

BA 9099053 Single arm for MB24/ MBE24.



9099052 Sliding arm for MB24/ MBE24.



MB.CP2

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



MB.SE

Externally fitted antiintrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96

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



DU.V90

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



the electrical energy via solar panel. consumption. In the 24 Vdc For 24 Vdc models. version, the use of ESA BASIC is not compatible with



KSUN

KIT for system operation





FOR SWINGING GATES



DU.9990

Covering plate for DU.V90.



ID.TA

Warning board.



ESA BASIC

System that reduces

the battery operation.



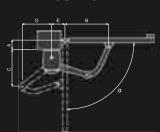


MBE24 9590613



MADE IN ITALY

MEASURES



	A (mm)	B (mm)	$\boldsymbol{C}(\text{mm})$	D (mm)	E(mm)	α°
	0	470	382	253	140	90°
1	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

with built-in aerial

- 1 PUPILLA.F Pair of photocells 1 LAMPI24.LED 24 Vdc Led flashing light
- 1 TOKEY Metal key selector
- 1 TO.GO2WV 433.92 MHz Transmitter



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
orque	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
eaf max dimension	2.5 m	2.5 m
Veight	9 kg	10.7 kg
tems no. per pallet	42	42
Cits no. per pallet	12	12

p.112 p.113 BRAINY

p.112 p.113 BRAINY PR.45EL HEADY

PR.45E24 BRAINY24 p.122

AUTOMATIONS FOR SWINGING GATES ARTICULATED ARM

personalised release key up to 4.0 m

ARM NOT INCLUDED



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

DU.E2

Single galvanized steel arm for PR.45/PR.45EL/



MB.SE

Externally fitted antiintrusion cable unlock device which allows the gate to be unlocked from outside.



DU.V96

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



DU.V90

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



DU.9990

Covering plate for DU.V90.

230 Vac vertical electric lock, supplied with counterplate.

E.LOCK

PREMIER/PREMIER24 AUTOMATIONS FOR SWINGING GATES



E.LOCKSE

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



ID.TA

Warning board.



ESA BASIC

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

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









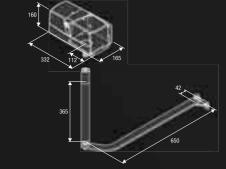








MADE IN ITALY



MEASURES

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112		A (mm)	B (mm)	C (mm)	D (mm
	1	50	883	277	429
(C)		150	851	181	466
		200	828	117	475
		250	800	32	469
D ,	. В	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 photocells1 LAMPI.LED 230 Vac Led flashing light

with built-in aerial

1 TOKEY Metal key selector1 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











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

DU.IT14NV

BRAINY

p.112 p.113

BRAINY HEADY

p.112 p.113

DU.IT24NVE ---- BRAINY24 p.122

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)



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

DU.ITST

90°/95°/100°.

Adjustable mechanical

open stop 75°/80°/85°/

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.V96

DU.ITCF

Self-supporting foundation

only with cover, requires

an unlocking accessory

box with cataphoresis coating,

max opening of 110°. Comes

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



DU.V90

12 Vac/dc horizontal

electric lock, supplied

SB.DUIT.K

Unlocking kit consisting

of an unlocking system

with personalized key and

components to connect

Mechanical stop included.

the motor to the gate.

DU.FCN

switches device for DU.IT14N/NV/24NVE.





SB.DUIT.L

DU.9990

ID.TA

Warning board.

Covering plate for DU.V90.

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

180° release device for DU.IT14N/NV/NVE with personalized kev.



DU.IT14N/DU.IT24NVE

AUTOMATIONS FOR SWINGING

GATES

SB.DU180.L

180° release device for DU.IT14N/NV/NVE with hex key.



E.LOCK

lock, supplied with counterplate.



230 Vac vertical electric



E.LOCKSE

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

outside.



ESA BASIC

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

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





DUIT.BR

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

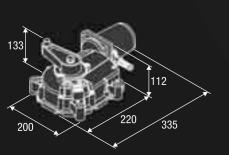


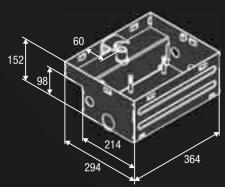
CABLE.24E

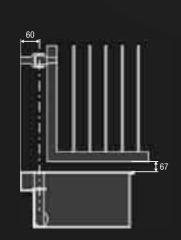
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.

L= 100 m.









TECHNICAL DATA	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.350NV

DU.350N

p.112 p.113

p.112 p.113 **BRAINY** HEADY

DU.350NVE ----- BRAINY p.112

CONTROL PANELS:

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**



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

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.

DU.350CF



DU.V90

12 Vac/dc horizontal

electric lock, supplied

with counterplate. Permits

internal/external release.

DU.V96 12 Vac/dc vertical electric

lock, supplied with counterplate. Permits internal/external release.



ID.TA Warning board.



SB.DU350.K

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



SB.DU350.L

DU.9990

Covering plate for DU.V90. 230 Vac vertical electric lock, supplied with



Extended cylinder for outside.



SB.180.L

180° release device for DU.350N/NV/E with hex kev.



DU.350ST

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

DU.350N AUTOMATIONS FOR SWINGING GATES



E.LOCKSE

E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the



DU.350FC

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







System that reduces the electrical energy consumption.



SB.180.K

180° release device for

DU.350N/NV/E with

personalized key.

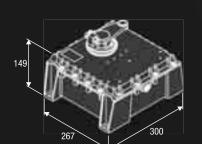
E.LOCK

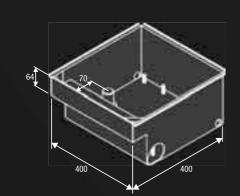
counterplate.

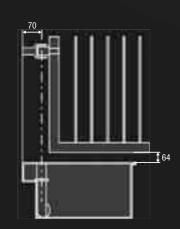




MADE IN ITALY







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



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

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

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

INDUSTRIAL USE

CONTROL PANELS

49

^{*} Built-in control panel

KPONY

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

with integrated control box and receiver up to 350 kg



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



ID.TA Warning board.

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



















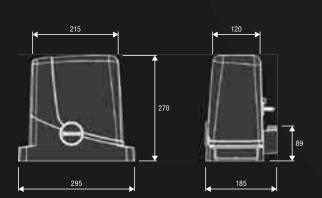








MADE IN ITALY



■ 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





PONY324	
230 Vac (50-60Hz)	
24 Vdc	
0.6 A	
8 mA	
321 N	
10 m/min	
30%	
IP44	
-20°C /+50°C	
350 kg	
M4 Z14	
6.8 kg	
KIT only	
•	
36	

BULL424ESA



BULL424ESA — CP.B24ESA p.137

CONTROL PANELS:



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)



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

Packaging: 4 pcs



RI.M4Z 9272030

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



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





MLS

Magnetic limit switches for BULL. Suitable for snowy



SB.BULL8.F

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



ID.TA

Warning board.



KSUN

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















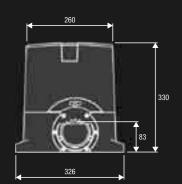


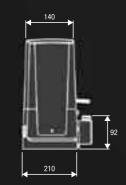






MADE IN ITALY





■ 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



H CP.CORE p.127

CONTROL PANELS:

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)



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

ID.TA

Warning board.



RI.M4Z 9272030

M4 galvanized rack

(22x22x2000 mm).

Packaging: 2 pcs

ESA BASIC

System that reduces the electrical energy consumption.



RI.M4P 9272020

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





MAG.E

Magnetic sensor device to detect obstacles and manage deceleration.



MLS

Magnetic limit switches for BULL. Suitable for snowy



SB.BULL8.F

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















MADE IN ITALY

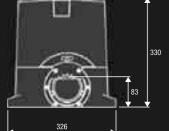


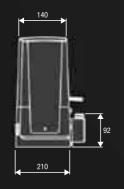
KBULL5M 9592091

- 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)



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

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

Packaging: 10 pcs



SB.BULL8.F

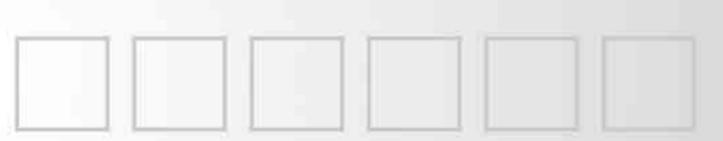
Externally fitted anti-intrusion cable unlock device (L=4.5m).



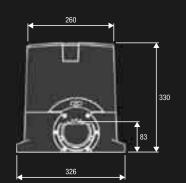
ID.TA Warning board.

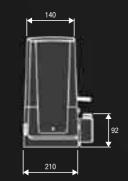
KIT for system operation via solar panel. For 24 Vdc models.











■ COMPLETE KITS

KBULL624 9592092

1 BULL624ESA 24 Vdc Operator with control panel and built-in receiver. ESA SYSTEM technology included

CONTROL PANELS:

BULL624ESA — CP.B24ESA p.137

BULL624ESA.S → CP.B24ESA p.137

- 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 AUTOMATIONS FOR SLIDING GATES

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

control with built-in encoder and receiver personalised release key 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 release system
- Version with magnetic limit switches available (BULL8M.S)



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

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



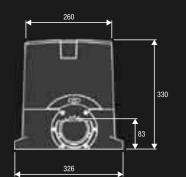
ID.TA Warning board.

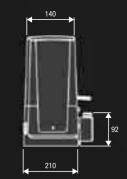
System that reduces the electrical energy consumption.











■ 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

CONTROL PANELS:

H CP.BULL8-OM p.128

→ CP.BULL8-OM p.128

BULL8M -

BULL8M.S -

- 1 TOKEY Metal key selector
- 1 TO.GO2WV 433.92 MHz Transmitter



10	1	
9	8	

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	-

BULL8 OM — CP.BULL8-OM p.128

BULL8 OM.S — CP.BULL8-OM p.128

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)



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

M4 Nylon rack with steel Externally fitted core, 28x40x1000 mm. anti-intrusion cable Slotted, supplied with unlock device (L=4.5m). self-drilling screws.

Packaging: 10 pcs



SB.BULL8.F





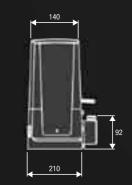
ESA BASIC

System that reduces the electrical energy consumption.









■ 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	-





COMMERCIAL USE



BULL10M -─ CP.BULL-RI p.129

CONTROL PANELS:

BULL10M.S — CP.BULL-RI p.129

BULL1024ESA — CP.B1024ESA p.138

BULL1024ESA.S — CP.B1024ESA p.138

control with built-in encoder and receiver personalised release key

AUTOMATIONS FOR SLIDING GATES

up to 1,000 kg



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)

- system to prevent crushing
- · Version equipped with magnetic limit switches available (BULL1024ESA.S)

24 Vdc intensive use

- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM
- Amperometric sensor obstacle detection
- Battery back up system ready



RI.M4F 9272010

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

Packaging: 4 pcs

ID.TA

Warning board.



ESA BASIC

RI.M4Z 9272030

M4 galvanized rack

(22x22x2000 mm).

Packaging: 2 pcs

System that reduces the electrical energy consumption.



RI.M6Z 9272040

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



RI.P6

M6 gear, It needs the rack



BULL.PI

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



SB.BULL20.F

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



KSUN

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













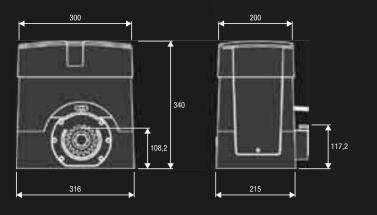








TECHNICAL DATA	BULL10M	BULL10M.S	BULL1024ESA	BULL1024ESA.S
Code	9590575	9591016	9591456	9591481
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max absorbed current	1.6 A	1.6 A	1.7 A	1.7 A
Power consumption in stand-by			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



→ CP.BULL-RI





AUTOMATIONS FOR SLIDING GATES COMMERCIAL USE

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



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

ID.TA

Warning board.



RI.M4Z 9272030

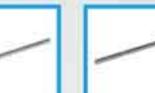
M4 galvanized rack

(22x22x2000 mm).

Packaging: 2 pcs

ESA BASIC

System that reduces the electrical energy consumption.



RI.M6Z 9272040

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



RI.P6 M6 gear, It needs the rack



BULL.PI

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

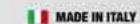


SB.BULL20.F

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







BULL15M.S 9591017 230 Vac (50-60Hz) 230 Vac 2.5 A 1250 N 10.5 m/min 60% IP44 YES -20°C /+50°C 1500 kg M4 Z18 20.1 kg

20

TECHNICAL DATA	BULL15M
Code	9590576
Power supply	230 Vac (50-60Hz)
Motor supply	230 Vac
Max absorbed current	2.5 A
Max Thrust	1250 N
Opening speed	10.5 m/min
Operation cycle	60%
Protection level	IP44
Magnetic limit switches	NO
Operating temperature	-20°C /+50°C
Max gate weight	1500 kg
Driving gear for rack	M4 Z18
Weight	20.1 kg
Items no. per pallet	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

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)

CONTROL PANELS:

H CP.BULL-RI

- CP.BULL-RI

p.129

p.129

p.119 p.120

p.119 p.120

BULL20M -

BULL20M.S -

BULL20T -

BULL20T.S -

- external control unit and electronic braking
- switches available (BULL20T.S)



RI.M4F

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

Packaging: 4 pcs



RI.M4Z

RF

Device with a non

rechargeable battery,

2 years. (Technical

features on p. 176)

with guaranteed duration

M4 galvanized rack

(22x22x2000 mm).

Packaging: 2 pcs

RF.SUN

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

Weight

Items no. per pallet







RI.M6Z 9272040

SC.RF

Device powered at

12/24 Vdc with self-test

function and 2 outputs for

control panels. (Technical

features on p. 176)

connection to the electronic

M6 galvanized rack

30x30x2000 mm.

(needs the RI.P6

accessory to work).



RI.P6

ID.TA

Warning board.

M6 gear, It needs the rack



BULL.PI

Raised foundation plate. 280 x 170, n.4 Ø 11 floor

brackets, 269 x 106 n.4

M10 screws for motor.

ESA BASIC

System that reduces

the electrical energy

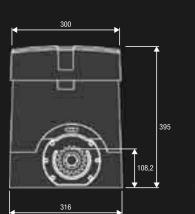
consumption.

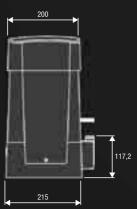


MADE IN ITALY

21.6 kg

20







- 400 Vac three phase geared motor with
- Version equipped with magnetic limit

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 718	M4 718	M4 718	M4 718

21.6 kg

20

21.6 kg

20

21.6 kg

20

BISON20 OM



BISON20 OM —— CP.BISON OM p.130

CONTROL PANELS:

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



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



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

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



RF.SUN

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

Warning board.



ESA BASIC

System that reduces the electrical energy consumption.















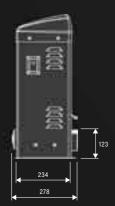




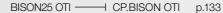


MADE IN ITALY





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

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

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

M6 gear, It needs the rack RI.M6Z.



FTC.S

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



RF.SUN

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

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

Warning board.













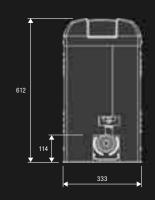


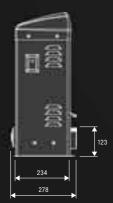














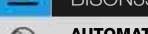
BISON35 OTI



BISON35 OTI —— CP.BISON OTI p.133

CONTROL PANELS:

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





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



BISON.P35

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



FTC.S

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



RF.SUN

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

Warning board.







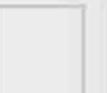






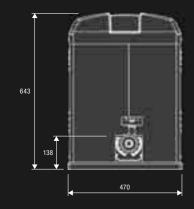


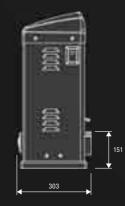












TECHNICAL DATA	BISON35 OTI	BISON35 OTI L
Code	9592181	9591929
Power supply	≋ 400 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	≋ 400 Vac	≋ 230 Vac
Max absorbed current	3 A	8 A
Max Thrust	3000 N	2500 N
Opening speed	reg. 7-19 m/min	10.5 m/min
Operation cycle	intensive use	intensive use
Protection level	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

BISON45 OTI



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





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



BISON.P45

Foundation plate for BISON45 OTI with coach screws and support base for height adjustment



FTC.S

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



RF.SUN

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

Warning board.















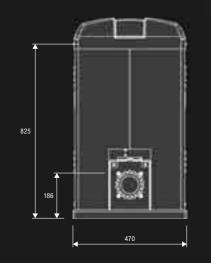


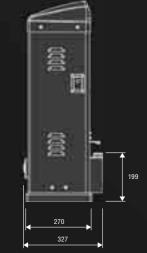












TECHNICAL DATA	BISON45 OTI
Code	9592183
Power supply	≋ 400 Vac (50-60Hz)
Motor supply	≋ 400 Vac
Max absorbed current	2.85 A
Max Thrust	5000 N
Opening speed	reg. 7-19 m/min
Operation cycle	intensive use
Protection level	IP44
Operating temperature	-20°C /+50°C
Lubrication	OIL
Max gate weight	4500 kg
Driving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



RESIDENTIAL COMMERCIAL USE

ZED	230 Vac	ZED.RIE ZED.SC ZEDL.RIE ZEDL.SC
counterweight garage doors	24 Vdc intensive use	 ZED24.RI ZED24.SC
JIM sectional garage doors	 24 Vdc intensive use	 JM.3 JM.3ESA JM.4ESA

CP.ZED230-E* LOGICA CP.ZED230-E* LOGICA CP.ZED24* LOGICA24.RI

CONTROL PANELS

CP.JM3* CP.J4ESA* CP.J4ESA* INDUSTRIAL USE

VN.S sectional doors	230 Vac	 VN.S20 VN.S40
section at doors rolling doors	400 Vac	 VN.ST20 VN.ST40
VN.S Industrial sliding doors and folding doors with more than 2 sections	230 Vac	 VN.S40V
VN.M sectional doors	230 Vac	 VN.M20 VN.M40
rolling doors	400 Vac	 VN.MT20 VN.MT40
VN.M large sectional doors, rolling doors and unbalanced shutters	400 Vac intensive use	 VN.MT40V
ADAM folding door	230 Vac	ADAM
with max 2 wings	24 Vdc intensive use	ADAM24

CONTROL PANELS

THINK / START THINK / START

THINK / START / WAVE THINK / START / WAVE

THINK / START / CELL.P

THINK / START THINK / START

THINK / START / WAVE THINK / START / WAVE

THINK / START / WAVE

BRAINY

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.



ZED24.RI ———	CP.ZED24	p.13
ZED.LSC ———	LOGICA	p.11
ZED.LRIE ———	CP.ZED230-E	p.13
ZED.SC ———	LOGICA	p.11
ZED.RIE ———	CP.ZED230-E	p.13

ZED24.SC — LOGICA24.RI p.124

CONTROL PANELS:

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

1,250 mm Mounting plate.

AU.20

1,950 mm Mounting plate.



AU.65

650 mm Mounting plate.



AU2.45T

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



AU.45Z AU.45ZL

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

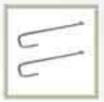
arms, with welded bush, complete with fitting accessories (L=2,000 mm).



AU2.DNS

Pair of straight galvanized





AU2.C

Pair of bent galvanized arms, complete with fitting



AU2.D

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



AU2.D45

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



AU.45B



ZED.MS

Wire manual unlock device.



ZED.E

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



ZED.SE 9747031

Outdoor unlock device (for central mounting).



MAG.E

Magnetic sensor device to detect obstacles and manage deceleration.



CABLE.24E

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

L= 100 m.



Warning board.

ID.TA





ESA BASIC

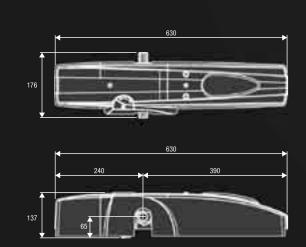
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.



KSUN

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





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)					
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					
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







- 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

CONTROL PANELS:

JM.3ESA

JM.4ESA

CP.J3M

CP.J4ESA

CP.J4ESA

p.140

p.141

p.141

• The encoder device ensures maximum safety and precision in the door moving phases



PTC.3

Pre-assembled and pretightened rail with belt for doors up to H 2.5 m (for model JM.3/ESA only).

PTC.STOP

PTCSXL.4).

packing.

Mechanical stop for belt

guide (PTCI.3/PTC.3/

PTC.4/PTCL.4/PTCl.4/

Available in 5 pcs

Two pieces 1.5 m each



PTCI.3

Pre-assembled and pretightened rail with belt for doors up to H 2.5 m. (for model JM.3/ESA only).

Whole piece 3 m long



PTC.4

P251

Fully pre-assembled

max H 2.5 m.

and pre-tensioned rail

with chain, for doors of

Whole piece 2.8 m long

Pre-assembled and pretightened 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

Pre-assembled and pretightened 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

Pre-assembled and pretightened 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

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



AU.C25

Pre-assembled rail with chain, for doors of max H 3.5 m.



Two pieces 1.8 m each



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





ZED.MS

Wire manual unlock device.



PTC.AR

P25

Pre-assembled rail

max H 2.5 m.

with chain, for doors of

Two pieces 1.4 m each

Bracket for fast ceiling attachment of JIM belt models (PTC).

Available in 5 pcs packing.



ID.TA

Warning board.



P35

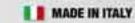
ESA BASIC

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

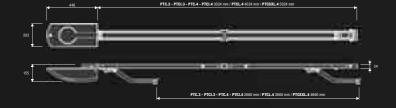


KSUN

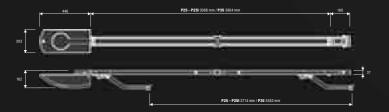
KIT for system operation via solar panel. For 24 Vdc models.



WITH BELT RAIL



WITH CHAIN RAIL



COMPATIBILITY CHART

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

	RAIL	JM.3	JM.3ESA	JM.4ESA
z	P25	✓	✓	✓
CHAIN	P25I	✓	✓	✓
O	P35	✓	✓	✓
_				

✓ Compatible

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

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

× 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

VN.S AUTOMATIONS

FOR GARAGE & INDUSTRIAL DOORS

VN.S

AUTOMATIONS FOR SECTIONAL DOORS AND ROLLING DOORS **INDUSTRIAL USE**

up to 40 m²

ON DEMAND THE OPERATORS **CAN BE EQUIPPED WITH ELECTRIC BRAKE**



230 Vac - 400 Vac

- Irreversible electromechanical geared motor with rapid release available in the single phase 230 Vac and three phase 400 Vac
- 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

CONTROL PANELS:

VN.S40

VN.ST20

VN.ST40

p.120 p.119 p.120

p.119

p.120 p.121

p.119 p.120

THINK

START

START

THINK START

- 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 Shaft adapter Ø 30 mm.

IPB.NC

Industrial keypad fitted

with a contact that is

normally open and a

contact normally closed.



VN.A3175 Shaft adapter Ø 31.75 mm.

RF.SUN

Battery-operated device

applied on a mobile edge.

recharged by means

of a photovoltaic panel

(Technical features

on p. 176)



VN.A40 Shaft adapter Ø 40 mm.

RF

Device with a non

2 years. (Technical

features on p. 176)

rechargeable battery,

with guaranteed duration



VN.RV

SC.RF

Device powered at

12/24 Vdc with self-test

function and 2 outputs for

control panels. (Technical

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



VN.RM

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



IPB.NO

Industrial keypad fitted with 2 contacts that are normally open.





connection to the electronic



System that reduces



the electrical energy





VN.ST20

9590241

≈ 400 Vac (50-60Hz)

1.7 A

180 Nm

18

24 r.p.m.

1" (25.4mm)

50%

IP40

-20°C /+50°C

40 m²/max

OIL

14.7 kg

48



MADE IN ITALY

VN.ST40

9590243

≈ 400 Vac (50-60Hz)

1.7 A

180 Nm

38

24 r.p.m.

1" (25.4mm)

1/40

50%

IP40

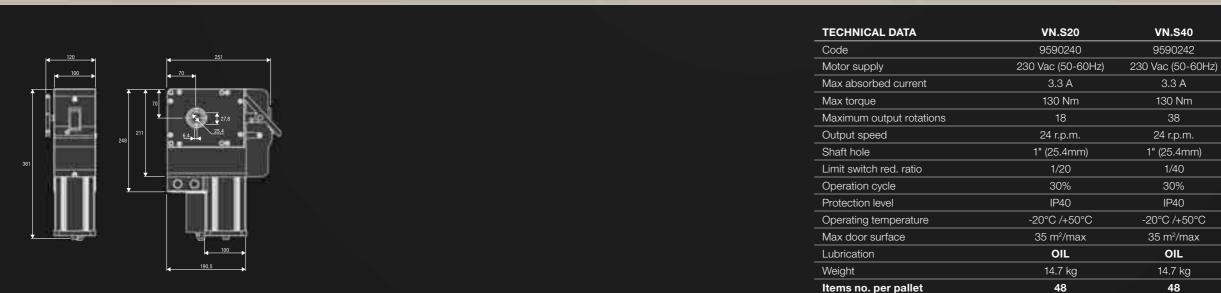
-20°C /+50°C

40 m²/max

OIL

14.7 kg

48



Z Z

AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

VN.M

AUTOMATIONS FOR SECTIONAL DOORS AND ROLLING DOOR **INDUSTRIAL USE**

up to 40 m²

WITH MANUAL EMERGENCY CHAIN OVERRIDE

	VN.M20 —	START	p.119 p.120
	VN.M40	THINK START	p.119 p.120
RS	VN.MT20	THINK START WAVE	p.119 p.120 p.121
	VN.MT40	THINK START WAVE	p.119 p.120 p.121

CONTROL PANELS:



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
- The oil bath submerged gears with hardened steel screws and bronze gear ensures high performance, maximum reliability and low noise



VN.A30 Shaft adapter Ø 30 mm.

IPB.NO

normally open.

Industrial keypad fitted

with 2 contacts that are



VN.A3175 Shaft adapter Ø 31.75 mm.



VN.A40 Shaft adapter Ø 40 mm.



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.RV

RF

9409016



VN.RM

Transmission set 1:1 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and chain



VN.CTA

Chain extension for VN.M.



SC.RF

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



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



ESA BASIC

System that reduces the electrical energy





IPB.NC

Industrial keypad fitted

with a contact that is

normally open and a

contact normally closed.



RF.SUN

Battery-operated device

applied on a mobile edge.

recharged by means

of a photovoltaic panel

(Technical features

on p. 176)







TECHNICAL DATA	VN.M20	VN.M40	VN.MT20	
Code	9590235	9590237	9590236	
r supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)	≈ 400 Vac (50-60Hz)	≋ 400
lax absorbed current	3.3 A	3.3 A	1.7 A	
ne	130 Nm	130 Nm	180 Nm	1
output rotations	18	38	18	I
t speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24
hole	1" (25.4mm)	1" (25.4mm)	1" (25.4mm)	1" (2
h red. ratio	1/20	1/40	1/20	1
ycle	30%	30%	50%	5
ection level	IP40	IP40	IP40	li-
Operating temperature	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C
Max door surface	35 m²/max	35 m²/max	40 m²/max	40 n
ubrication	OIL	OIL	OIL	(
	18.5 kg	18.5 kg	18.5 kg	18
r pallet	48	48	48	

VN.MT40V AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

START WAVE

p.119 p.120 p.121

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



400 Vac

VN.MT40V

- 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 Shaft adapter Ø 30 mm.



VN.A3175 Shaft adapter Ø 31.75 mm.



VN.A40 Shaft adapter Ø 40 mm.



VN.RV

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



VN.RM

Transmission set 1:1 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and chain





RF

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



SC.RF

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)







IPB.NO

normally open.

Industrial keypad fitted

with 2 contacts that are



IPB.NC

Industrial keypad fitted

with a contact that is

normally open and a

contact normally closed.



RF.SUN

Battery-operated device

recharged by means

of a photovoltaic panel applied on a mobile edge.

(Technical features

on p. 176)





	 100 		251
	Ö	211	27,8 5.4. 25.4
525		314	
		1	

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

THINK START CELL.P

p.119 p.120 p.117

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



230 Vac

VN.S40V

- 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 1/2" chain. Packing 5m.



VN.GT Joint for chain VN.CT.



VN.T Chain tightener.



VN.S Door fitting brackets



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



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



RF.SUN

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



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

System that reduces the electrical energy consumption.







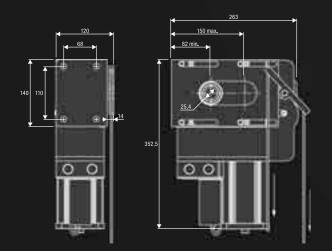












TECHNICAL DATA	VN.S40V
Code	9590239
Motor supply	230 Vac (50-60Hz)
Max absorbed current	1.5 A
Max torque	135 Nm
Maximum output rotations	38
Output speed	48 r.p.m.
Shaft hole	1" (25.4mm)
Limit switch red. ratio	1/40
Operation cycle	40%
Protection level	IP40
Operating temperature	-20°C /+50°C
Max door weight	800 kg
Lubrication	OIL
Weight	15 kg
Items no. per pallet	48

FOR FOLDING DOOR WITH MAX 2 WINGS

AUTOMATIONS FOR

with built-in encoder device

INDUSTRIAL USE

BENINCA

p.112



Accessory for LED courtesy lights available on ADAM/ADAM24.



VN.MS Accessory for unlock device with handle.



FC.ADAM

Limit switch kit for

ADAM/ADAM24.

ID.TA

Warning board.



ADAM.B

(L=600 mm).

Galvanized telescopic arm

with welded bush, complete

with fixing accessories

ESA BASIC

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

ADAM.BL

(L=1200 mm).

Galvanized telescopic arm

with welded bush, complete

with fixing accessories

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









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
- Amperometric sensor obstacle detection system to prevent crushing
- Internal metal gears ensure maximum performance and durability over time



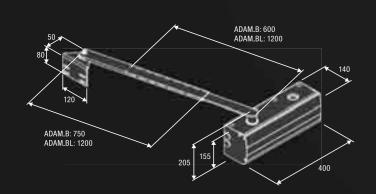












TECHNICAL DATA	ADAM	ADAM.24
Code	9591905	9591906
Power supply	230 Vac (50-60Hz)	230 Vac (50-60Hz)
Motor supply	230 Vac	24 Vdc
Max absorbed current	1.75 A	8 A
Torque	350 Nm	260 Nm
Operation cycle	30%	intensive use
Protection level	IP44	IP44
Operating temperature	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	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





				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*
ROAD	EVA.5 up to 5 m	 24 Vdc intensive use	EVA.5	CP.EVA*
BARRIERS	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

VE.SOR automatic	 24 Vdc intensive use	 VE.SOR
VE.SOM manual		VE.SOM

CONTROL PANELS

DA.S04

^{*} Built-in control panel

EVA.5 ROAD BARRIERS & CAR PARK SAVER

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

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

Aluminium joint for EVA5.2A.



VE.PS

Foundation plate with coach screws for EVA.5.



VE.TERM

Thermostat for very cold



VE.AM

Mobile support for bars.



VE.RAST

Aluminium rack L= 2 m. H= 60 cm



EVA.AF Painted fixed support.



EVA.L Flashing light set for EVA5.A.



EVA.SUP Support for EVA internal accessories



VE.KM2HN

Single/two-channel loop detector.

VE.KM1HN



VE.CS Traffic-light control unit

for LED.TL.



LED.TL

2 light 230 Vac LED traffic light.



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



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



ESA BASIC

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

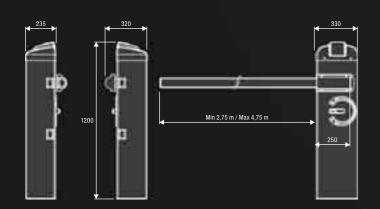
via solar panel. For 24 Vdc models.

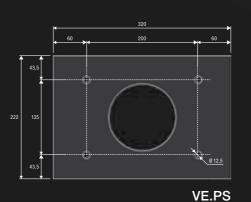


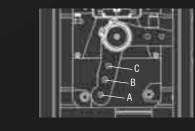
KIT for system operation



MADE IN ITALY







ACCESSORIES FOR USE		BAR I	LENGI	HT (m)	
		3.5	4	4.5	5
EVA5.A	С	С	В	В	Α
EVA5.A + VE.RAST	С	В	В	А	Α
EVA5.A + VE.AM	С	С	В	В	Α
EVA5.A + VE.RAST + VE.AM	С	В	В	Α	Α
EVA5.A + SC.RES	С	В	В	А	Α
EVA5.A + SC.RES + VE.AM	С	В	В	Α	Α

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.

CP.EVA p.142

CONTROL PANELS:

ROAD BARRIERS

EVA.7

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



EVA7.A

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



Aluminium joint for EVA7.2A.



VE.P650

Foundation plate with coach Thermostat for very cold screws for EVA.7.



VE.TERM

VE.AM

Mobile support for bars.





Aluminium rack L= 2 m. H= 60 cm



EVA.AF Painted fixed support.

EVA.L Flashing light set for EVA7.A.



EVA.SUP

Support for EVA internal accessories



VE.KM1HN VE.KM2HN

Single/two-channel loop detector.



VE.CS

for LED.TL.



LED.TL

Traffic-light control unit 2 light 230 Vac LED traffic light.



EVA.LAMP

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



EVA.CAT7

Set of 20 adhesive refractor strips for EVA7.A.



EVA.KM

Spring for EVA.7 (364 mm).



ESA BASIC

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

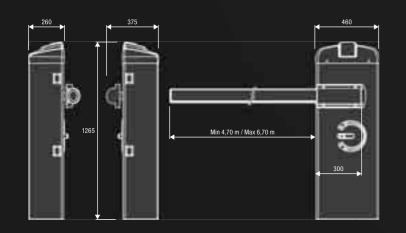


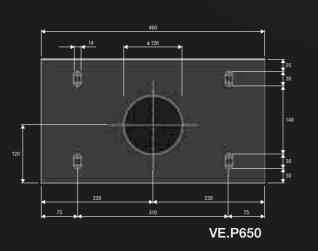
KSUN

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



MADE IN ITALY





WITHOUT ACCESSORIES BAR LENGTH (m) TYPE OF SPRING EVA.KM STANDARD SPRING Standard spring Standard spring EVA.KM + Standard spring N° 2 Standard springs 35 / 35 N° 2 Standard springs

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

BAR LENGTH (m)	TYPE OF SPRING		PROX TENSIONING THE SPRING (mm)
LENGTH (III)		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			

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 ROAD BARRIERS & CAR PARK SAVER

CONTROL PANELS:

DA.24V p.143

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

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



LADY.P

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



LADY.GT

Aluminium joint for LADY.A.



VE.PS

Foundation plate with coach screws for LADY.



VE.TERM

Thermostat for very cold



VE.AM

Mobile support for bars.



VE.RAST

Aluminium rack L= 2 m. H= 60 cm



Painted/ Stainless steel fixed support for bars.



LADY.COL

Support for the installation of a second pair of photocell.



LADY.SN

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



LADY.L

Flashing light set for



VE.KM1HN VE.KM2HN

Single/two-channel loop detector.



VE.CS

Traffic-light control unit for LED.TL.



LED.TL

2 light 230 Vac LED traffic light.



VE.CAT500

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



ESA BASIC

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

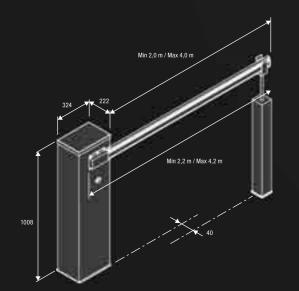


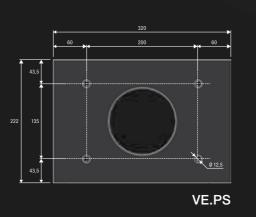
KSUN

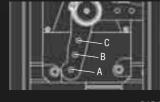
KIT for system operation via solar panel. For 24 Vdc models.











ACCESSORIES FOR USE		BAR LENGHT (m)				
AGGESSONIESTON USE	2.2	2.7	3.2	3.7	4.2	
No accessories	С	С	С	В	Α	
LADY.P (only upper)	С	С	В	В	Α	
LADY.P (upper and lower)	С	С	В	В	Α	
VE.RAST	С	В	В	А		
LADY.P (only upper) + VE.RAST	С	В	В	А		
LADY.P (only upper) + VE.AM	С	В	В	Α	Α	
LADY.P (upper and lower) + VE.AM	С	В	В	Α		
LADY.P (only upper) + VE.RAST + VE.AM	С	В	А			
SC.RES	С	В	В	А		
LADY.P (only upper) + SC.RES	С	В	А	А		
SC.RES + VE.AM	С	В	А	А		
LADY.P (only upper) + SC.RES + VE.AM	С		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.

LADY			
9083098			
230 Vac (50-60Hz)			
24 Vdc			
1.6 A			
205 Nm			
3" - 5"			
intensive use			
IP44			
-20°C /+50°C			
52 kg			
9			

ROAD BARRIERS

integrated control box for passages up to 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
- 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

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



VE.PS

Foundation plate with coach screws for LADY.5.



VE.TERM

Thermostat for very cold



VE.AM Mobile support for bars.



VE.RAST

Aluminium rack L= 2 m.



VE.AF

VE.AFI

Painted/ Stainless steel fixed support for bars.



LADY.COL

Support for the installation of a second pair of photocell.



LADY.SN

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



LADY.L

Flashing light set for LADY.P5.



VE.KM1HN VE.KM2HN

Single/two-channel loop detector.



VE.CS

Traffic-light control unit for LED.TL.



LED.TL

2 light 230 Vac LED traffic light.



VE.CAT500

Set of 20 adhesive refractor strips for LADY.P5.



ESA BASIC

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

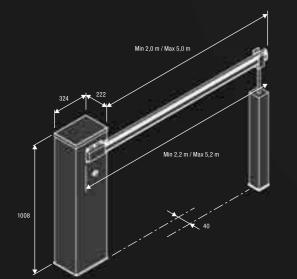
KIT for system operation via solar panel. For 24 Vdc models.

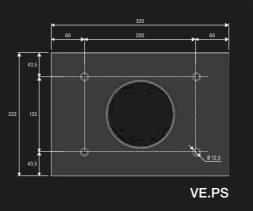


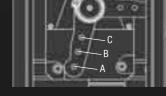




MADE IN ITALY







ACCESSORIES FOR USE	BAR LENGHT (m)									
ACCESSURIES FOR USE	2.2	2.7	3.2	3.7	4.2	4.7	5.2			
No accessories		С	С	В	В	В	Α			
LADY.P (only upper)	С	С	С	В	В	Α	Α			
LADY.P (upper and lower)	С	С	С	В	В	Α	Α			
VE.RAST	С	С	В	В	Α	Α				
LADY.P (only upper) + VE.RAST	С	С	В	Α	Α					
LADY.P (only upper) + VE.AM	С	С	С	В	Α	Α	Α			
LADY.P (upper and lower) + VE.AM	С	С	В	В	Α	Α				
LADY.P (only upper) + VE.RAST + VE.AM	С	В	В	Α	Α					
SC.RES	С	С	В	В	Α	Α				
LADY.P (only upper) + SC.RES	С	С	В	Α	Α					
SC.RES + VE.AM	С	В	В	Α	Α					
LADY.P (only upper) + SC.RES + VE.AM	С	В	В	Α	Α					
VE.RAST + VE.AM	С	В	В	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

ROAD BARRIERS

integrated control box equipped with 1 white spring for passages up to 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
- Foundation plate accessory with VE.P500 coach screws

CONTROL PANELS:



VE.500S

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



VE.C500

places. Available in two pieces needs the joint (VE.GT70).



Ø 70 mm white painted aluminium round section arm. Caps are included. L=5000 mm. Suitable for very windy



VE.GT24S

Aluminium joint for VE.500S. VE.GT70

Packing: 10m



VE.RP

Protection rubber for VE.500S with aluminium profile and caps.



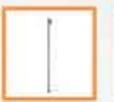


VE.P500

Foundation plate with coach screws for VE.500.



VE.TERM



VE.AM

VE.KM1HN

VE.KM2HN

Single/two-channel loop

9614268

detector.

Mobile support for bars.



VE.RAST

VE.CS

for LED.TL.

Aluminium rack L= 2 m. H= 60 cm



Aluminium joint for VE.C500.

VE.AF

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







LED.TL

Traffic-light control unit 2 light 230 Vac LED traffic light.





VE.KMB 9576190

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



VE.CAT500

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



VE.SN500

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



VE.L500

VE.500S.

Flashing light set for

ESA BASIC

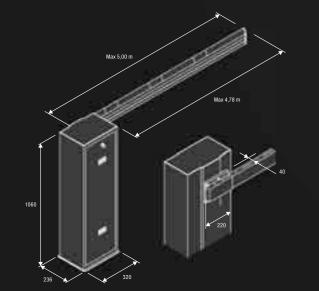
System that reduces the electrical energy consumption. In the VE.500 model, the use of ESA BASIC is not compatible with the battery operation.

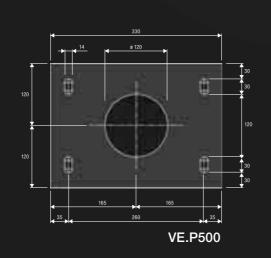


KSUN

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







ACCESSORIES FOR USE	TYPE OF SPRING	BAR LENGTH (
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

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

CONTROL PANELS:

DA.24V p.143

VE.650



VE.650A

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.AM

Mobile support for bars.



VE.C650

(VE.GT90).

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.RAST

Aluminium rack L= 2 m. H= 60 cm



VE.AFI

VE.GT24

VE.650A.

9424006

VE.C650.

VE.GT90

Aluminium joint for

Aluminium joint for

Painted/ Stainless steel fixed support for bars.



VE.RP

Protection rubber for

profile and caps.

Packing: 10m

VE.650A with aluminium

VE.KMB VE.KMG/N

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



Foundation plate with coach

VE.KM24

VE.P650

screws for VE.650.

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



Thermostat for very cold

VE.L650

Flashing light set for VE.650A.



VE.KM1HN

VE.KM2HN 9614268

Single/two-channel loop detector.



VE.CS

Traffic-light control unit for LED.TL.



LED.TL

2 light 230 Vac LED traffic light.



VE.CAT650

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

TECHNICAL DATA



ESA BASIC

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

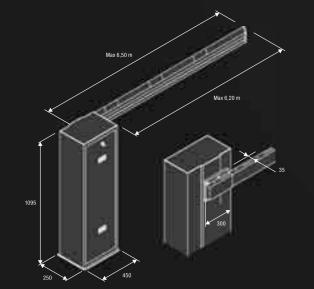


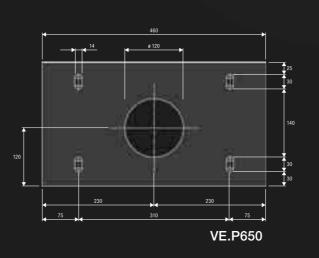
KSUN

VE.650

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







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

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

CAR PARK SAVER

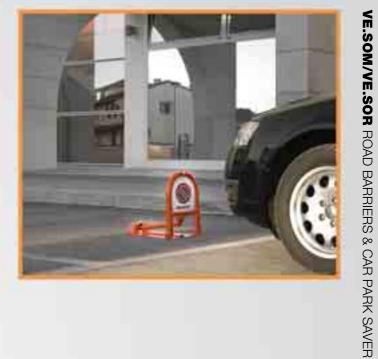
available in automatic or manual version



24 Vdc intensive use

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











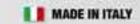


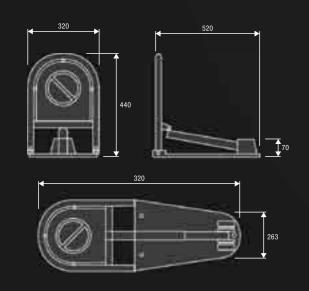




ESA BASIC 9176108

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



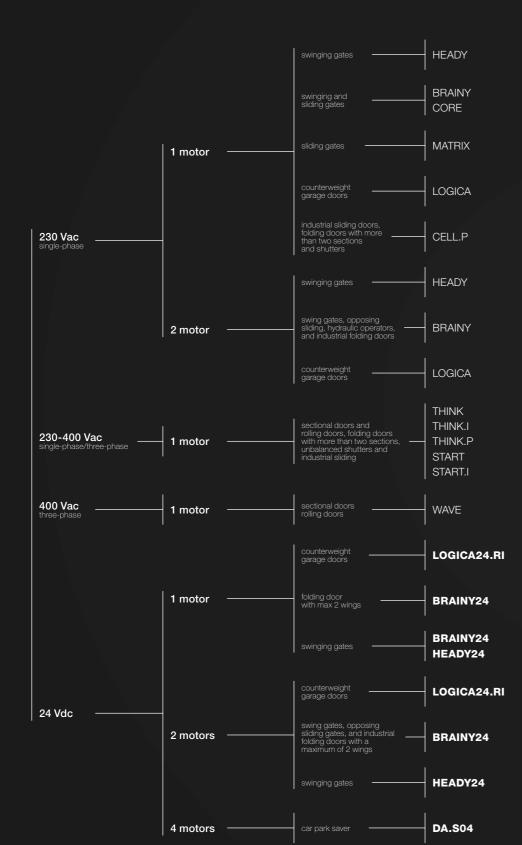


VE.SOR 9082030 24 Vdc / automatic
24 Vdc / automatic
24 Vuc / automatic
230 Vac (50-60Hz)
24 Vdc
2 A
9"
intensive use
IP54
-20°C /+50°C
7.5 kg
22



EXTERNAL CONTROL PANELS







INTERNAL CONTROL PANELS

GREEN 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 18 Ah 12 Vdc batteries.



SUN.PANEL





COL.KSUN

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

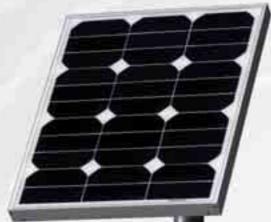
COL.BR

Pair of clamps for

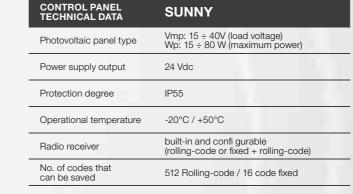
fixing solar panel to

column COL.KSUN.









KIT for system operation via solar panel, made up of photovoltaic panel

(30W) in monocrystalline silicone and with high efficiency, and a control

unit (SUNNY) complete with display and built-in radio receiver. The

programmable code, and advanced rolling code (ARC).

receiver is capable of managing three types of encoding: rolling code,

KSUN

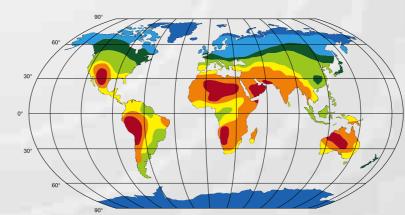


SUNNY

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 MANOUVRE WITH KBULL424*
133	191
114	163
95	136
76	108
57	81
37	54
18	26
* Refer back to	the manual for

The above data refer to some of the confi gurations possible with SUN SYSTEM

HEMIS	PHERE	PANEL ORIENTATION
		N S
		N + S
Latitude	A	nclination a
Lautuue	Aligle of I	ncimation u
00 450	450	

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



1 Auro &

APPLICATION

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

CONTROL PANEL POWER SUPPLY

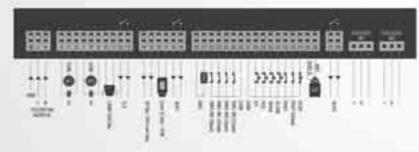
230 Vac

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
- Flectronic decelerations
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres
- Programming access password
- Maintenance reminder



PSW

ACCESSORIES



DU.V96

electric lock,

supplied with

counterplate.

Permits internal/

external release.

12 Vac/dc vertical





Permits internal/

external release.



DU.9990 Covering plate for

with counterplate



E.LOCK





lock. It allows to

unlock gates up to

55mm-thick from

the outside.

E.LOCKSE SC.RD Extended cylinder

Board no. 4 relays for E.LOCK electric 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



EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 or 2 actuators for swing gates

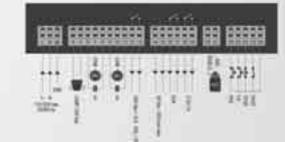
CONTROL PANEL POWER SUPPLY

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 Extended cylinder

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



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





EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for sliding or 1 swing door

CONTROL PANEL POWER SUPPLY

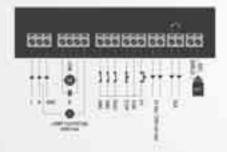
MOTORS POWER SUPPLY

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





ACCESSORIES





230 Vac vertical Extended cylinder electric lock, for E.LOCK electric supplied with lock. It allows to counterplate. unlock gates up to 55mm-thick from the outside.



DA.2S

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



SC.RD

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



EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for sliding gate

CONTROL PANEL POWER SUPPLY

MOTORS POWER SUPPLY

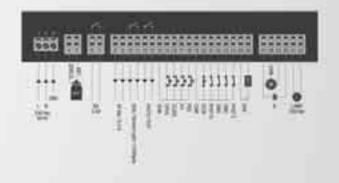
230 Vac 1000W

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
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres







ACCESSORIES



DA.2S

Electronic card that allows synchronised movement of 2 automations (facing doors)



SC.RD

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



for outdoor 2 pcs





Galvanized column installation of LB box. Packaging:



LOGICA 9176111

EXTERNAL CONTROL PANELS

230 Vac













1 or 2 actuators for tilt up doors

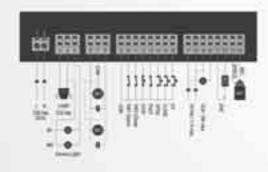
CONTROL PANEL POWER SUPPLY

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

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

KP0

8 6

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

KPC 9855002

Set of 2 push buttons red-N.C.) and front cover for box LB.







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
- Gate open indicator light output
- 5 level electronic torque adjustment
- Optional management of remote controls memorised on receiver with built-in Advantouch





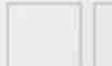
NOTE:

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

ACCESSORIES















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



EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for shutters

CONTROL PANEL POWER SUPPLY

230 Vac

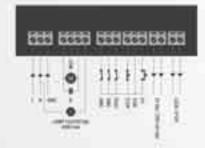
MOTORS POWER SUPPLY

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





ACCESSORIES





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

buttons in house).















THINK

9176024





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

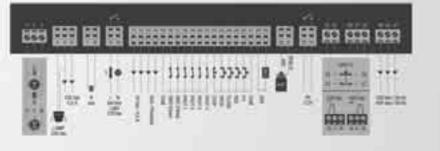
MOTORS POWER SUPPLY

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





VERSIONS



THINK.P 9176031

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



THINK.I

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

ACCESSORIES



DA.2S

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



SC.RD

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



KP0

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 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

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

ACCESSORIES





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



SC.RD KP0

Board no. 4 relays

for control unit inputs

support/decoupling.

For use in the

event of very long

connections (i.e.

buttons in house).

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



EXTERNAL CONTROL PANELS

400 Vac



APPLICATION

1 actuator for industrial sectional doors and sliding doors

CONTROL PANEL POWER SUPPLY

400 Vac

MOTORS POWER SUPPLY

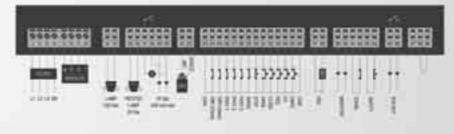
400 Vac 1500W

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

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

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 **DU.V90**

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



DU.9990 Covering plate for

horizontal electric lock, supplied with counterplate Permits internal/



SC.RD

Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long

connections (i.e.

buttons in house).



DA.LB

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



BRAINY24.CB Accessory with CBY.24V battery

charger, 1.2 Ah

batteries and base.

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

NIMH.CB

9760017



EXTERNAL CONTROL PANELS 24 Vdc











APPLICATION

1 or 2 actuators for swing gates

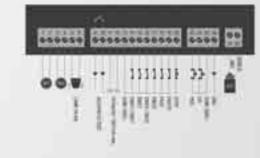
CONTROL PANEL POWER SUPPLY

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

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 Covering plate for



L.BY 9760024 Control board for electric lock

12/24 Vdc



SC.RD

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



BRAINY24.CB

Accessory with

CBY.24V battery

charger, 1.2 Ah

batteries and base.









and support.



LOGICA24.RI

EXTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 or 2 actuators for tilt up doors

CONTROL PANEL POWER SUPPLY

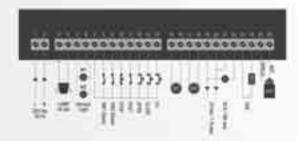
MOTORS POWER SUPPLY

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





ACCESSORIES



SC.RD

Board no. 4 relays

For use in the

event of very long

connections (i.e.

buttons in house).

Set of 2 green push buttons (N.O.) and front cover for Box LB. for control unit inputs support/decoupling.

KPC 9855002 Set of 2 push buttons

cover for box LB.



88

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

CBY.24V



DA.BT2 2.1Ah 12 Vdc

Battery

DA.BT6 7Ah 12 Vdc Battery

NIMH

2 Ah, 24 Vdc NIMH



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

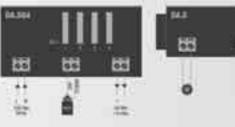
CONTROL PANEL POWER SUPPLY

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



(one DA.E each

VE.SOR).

DA.E Module for VE.SOR



Battery charger card for DA.SO4.



DA.BT2 2.1Ah 12 Vdc Battery

DA.BT6 7Ah 12 Vdc Battery



LB 9252001 Standard box for control 433.92 MHz units. Protection level IP55. (290 x 220 x



ONE.2WI universal plug-in receiver, 2 channels.







4 channel receiver

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





COMPARISON TABLE

CUMPARISUN IABLE													_	
EXTERNAL CONTROL PANELS CONTROL PANELS FEATURES	BRAIN∀	НЕАDУ	CORE	MATRIX	LOGICA	CELL.P	KER	HINK	START	WAVE	BRAINY24	HEADY24	LOGICA24.R	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	•			•	•	•		٠	•	•	•		•	
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	•	٠		٠	٠		٠	٠		٠	٠	٠		
"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	•	٠		٠	٠			٠	_	٠	٠	٠		
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	•	•			•					•	•	•		
, , , , , , , , , , , , , , , , , , , ,														

CP.CORE

INTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for slide series BULL5M

CONTROL PANEL POWER SUPPLY

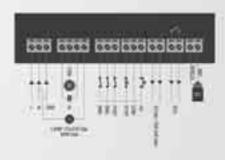
MOTORS POWER SUPPLY

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





ACCESSORIES





SC.RD Board no. 4 relays for control unit inputs movement of support/decoupling. 2 automations For use in the event of very long (facing doors).



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

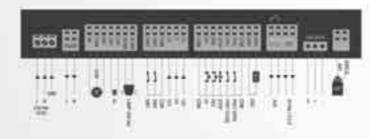
CONTROL PANEL POWER SUPPLY

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 SC.RD

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





buttons in house).



INTERNAL CONTROL PANELS

230 Vac





1 actuator for sliding gate series BULL10M, BULL15M and BULL20M

CONTROL PANEL POWER SUPPLY

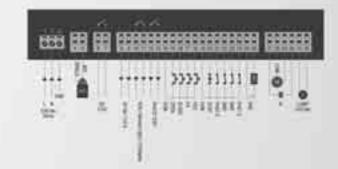
230 Vac

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 Electronic card that allows synchronised movement of

2 automations

(facing doors).





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

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



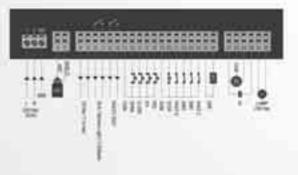












ACCESSORIES





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



Board no. 4 relays for control unit inputs support/decoupling. For use in the

event of very long

connections (i.e.

buttons in house).













INTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for sliding gate series BISON35 OTI L

CONTROL PANEL POWER SUPPLY

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 readv
- 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 Electronic card that allows synchronised movement of 2 automations (facing doors)



SC.RD

Board no. 4 relays

for control unit inputs

support/decoupling.

For use in the

event of very long

connections (i.e.

buttons in house).





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

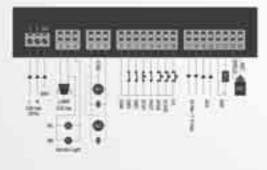
MOTORS POWER SUPPLY

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

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:

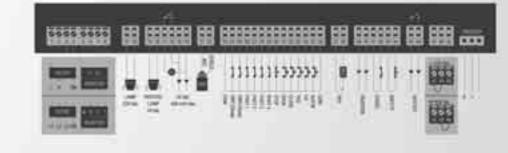
- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code and ARC)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Open, close and pedestrian inputs
- Inverter connection ready
- Output for gate 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





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



for control unit inputs

support/decoupling.

For use in the event of very long

connections (i.e.

buttons in house).







INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

2 actuators for BEN series swing gates

CONTROL PANEL POWER SUPPLY

MOTORS POWER SUPPLY

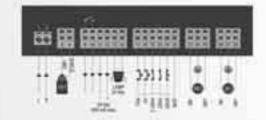
24 Vdc 50W + 50W

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
- Independent decelerations during open and close for each motor
- Optional parameter configuration and remote control management using the Advantouch system
- Number of manoeuvres







ACCESSORIES



supplied with

counterplate.

Permits internal/

external release.

DU.V96 DU.V90 12 Vac/dc vertical electric lock,

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



DU.9990 Covering plate for

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



SC.RD

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







Accessory for CP.BN composed of battery charger card CBY.24V, 1.2Ah batteries and support for batteries.

BN.CB

CP.MBY24

INTERNAL CONTROL PANELS 24 Vdc









APPLICATION

1 or 2 actuators for MBE24 series swing gates

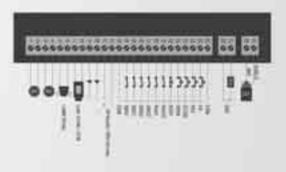
CONTROL PANEL POWER SUPPLY

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

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



12 Vac/dc

horizontal electric

with counterplate.

Permits internal/

external release.

lock, supplied

Covering plate for



DU.9990

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



SC.RD

buttons in house).

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



CBY.24V









LB 9252001 Standard box for control units.





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 SC.RD Board no. 4 relays

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



For use in the

event of very long

connections (i.e.

buttons in house).

BULL24.CBH

Accessory with for control unit inputs CBY.24V battery support/decoupling. charger card, NIMH batteries and support.













INTERNAL CONTROL PANELS 24 Vdc





















SC.RD Board no. 4 relays for control unit inputs

support/decoupling. For use in the event of very long connections (i.e. buttons in house).



Accessory composed of battery charger card CBY.24V, support for batteries.



charger card, and support.



1 actuator for sliding gate series BULL424ESA and BULL624ESA

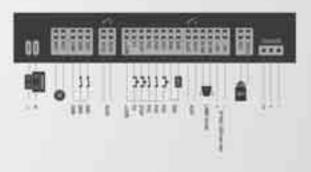
CONTROL PANEL POWER SUPPLY

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





DA.2S

Electronic card that

allows synchronised

movement of

2 automations

(facing doors).







1.2Ah batteries and





Accessory with CBY.24V battery NIMH batteries



CP.B1024ESA

INTERNAL CONTROL PANELS 24 Vdc

















APPLICATION

1 actuator for sliding gate BULL1024ESA

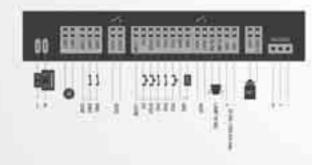
CONTROL PANEL POWER SUPPLY

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 SC.RD

Electronic card that allows synchronised movement of 2 automations (facing doors). buttons in house).



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



BULL1024.CB

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



INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 or 2 actuators series ZED24.RI

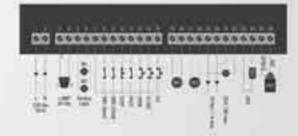
CONTROL PANEL POWER SUPPLY

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

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

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



DA.BT2 2.1Ah 12 Vdc

Battery

DA.BT6 7Ah 12 Vdc Battery











(290 x 220 x 118 mm)







CP.J3M

INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 actuator JM.3

CONTROL PANEL POWER SUPPLY

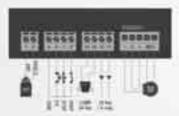
MOTORS POWER SUPPLY

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





ACCESSORIES





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



JM.CBY Accessory





INTERNAL CONTROL PANELS 24 Vdc





















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



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

CONTROL PANEL POWER SUPPLY

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



ACCESSORIES

SC.RD

Board no. 4 relays

for control unit inputs

support/decoupling.

event of very long

connections (i.e.

buttons in house).





for batteries.

CP.EVA

INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 road barrier series EVA.5, EVA.7

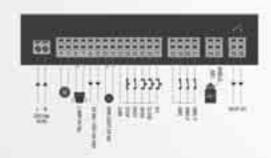
CONTROL PANEL POWER SUPPLY

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





Electronic card that allows synchronised movement of 2 automations For use in the event of very long (facing doors). connections (i.e.



CBY.24V

Battery charger for control unit inputs card. The CBY.24V card allows to support/decoupling. charge two different types of nickel metalidrate and lead buttons in house). batteries.



DA.BT2 2.1Ah 12 Vdc

Battery DA.BT6

7Ah 12 Vdc Battery



EVA.SUP Support for EVA

internal accessories



ONE.2WI 433.92 MHz universal plug-in

receiver, 2 channels.



AW 9076058 433.92 MHz aerial

DA.24V

INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

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

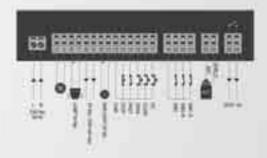
CONTROL PANEL POWER SUPPLY

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 SC.RD

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



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

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



7Ah 12 Vdc Battery

DA.BT2

2.1Ah 12 Vdc Battery DA.BT6



ONE.2WI

433.92 MHz universal plug-in receiver, 2 channels.





433.92 MHz aerial with 4m cable.







COMPADISON TABLE

	COMPARISON TABLE												_					
	INTERNAL CONTROL PANELS	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
	CONTROL PANELS FEATURES	Ö	Ö	Ö	Ö	Ö	Ō	Ō	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	Ö	
	motors power supply 24 Vdc								•	•	•	•	•	•	•	•	•	•
_	motors power supply 230 Vac	•	•	•	•	•	•	•										
_	motors power supply 400 Vac						•	•										
	INPUTS		_															
_	step by step input	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
_	open input			•	٠	•	•	•		•				•		•	•	•
_	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	•	Ľ.	•	•	•	•	•	•	•	•		•		•	•	•	ď
_	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		•	•	•	•	•	•	_	•	•	•	•			•		Ť
_	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	•	•	•	٠	•	•	•		•		•	•			•		
_	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.SO4.

CBY.24V

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

BATTERIES











DA.BT2

2.1Ah 12 Vdc Battery

DA.BT6 7Ah 12 Vdc Battery

DA.BT18

18 Ah 12 Vdc batteries.

batteries.

NIMH

2 Ah, 24 Vdc NIMH

BOX



Plastic box for small

SB 9252003

control unit.



HB 9252014

Box for HEADY/

Protection level IP55.

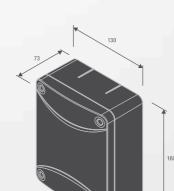
HEADY24.



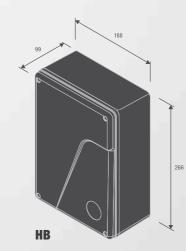


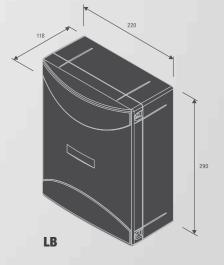


LB 9252001 Standard box for control units. Protection level IP55.



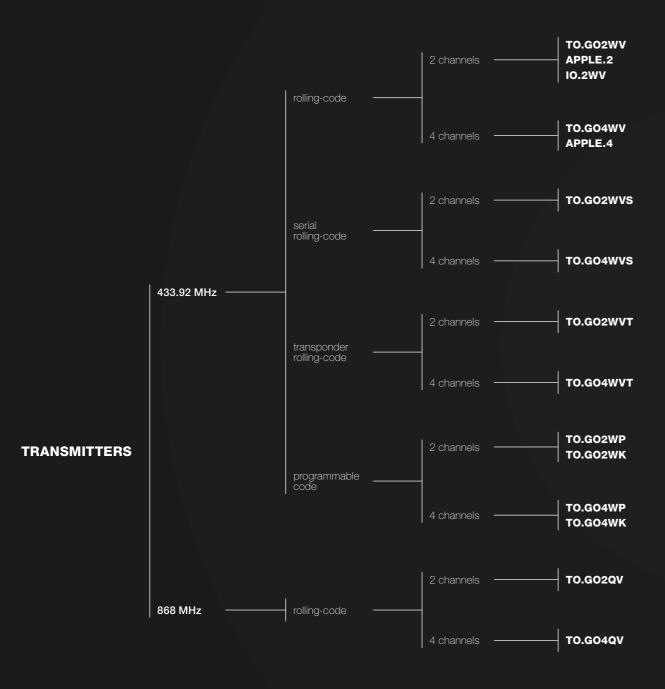
SB

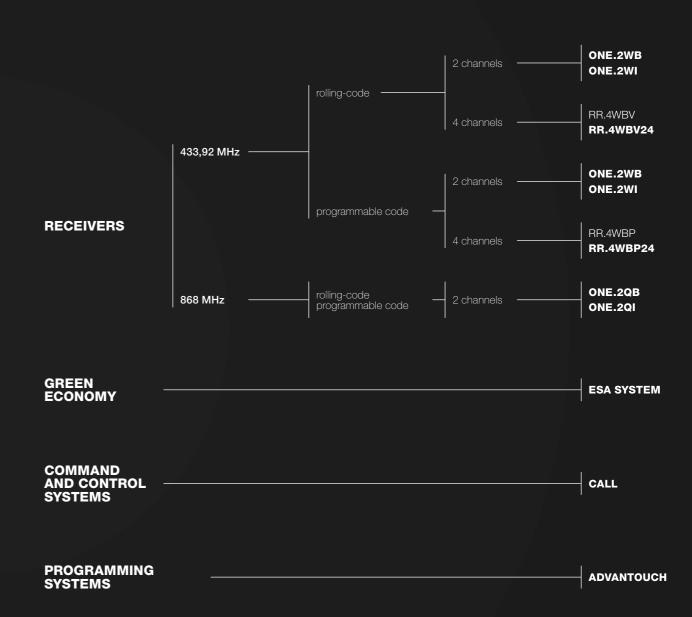












TO.GO

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)



TO.GO2WV / TO.GO2WVS

9863165

433.92 MHz 2 channels rolling-code transmitter.

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



TO.GO2QV

868 MHz 2 channels rolling-code transmitter.



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.



TO.GO4QV

868 MHz 4 channels rolling-code transmitter.

433.92 MHz RECEIVERS AND ACCESSORIES



ONE.2WB 9673103

433.92 MHz, 2 channels

ONE.2WI

433.92 MHz universal



RR.4WBV 9673158

4 channel receiver 433.92 MHz with

RR.4WBV24

9673160 433.92 MHz with rolling code system. 24 Vac/dc power supply.



CALL 9673166

Four-channel GSM receiver, Makes it possible to use mobile telephone.



READY

MEM2048

Accessory that allows the



AW 9076058

433.92 MHz aerial with



BT12 9086010

Available in 50 pcs

868 MHz RECEIVERS AND ACCESSORIES



ONE.2QB 9673112

868 MHz, 2 channels

ONE.2QI 9673111

868 MHz universal plug-in receiver, 2 channels.



MEM2048 9570001

Accessory that allows the



AQ 9076001

868 MHz aerial with



BT12 9086010

Available in 50 pcs packing.

TO.GO

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

2 channels self-learning code transmitter.



TO.GO4WK

4 channels self-learning code transmitter.

RECEIVERS AND ACCESSORIES



ONE.2WB 9673103

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.

mobile telephone.



AW 9076058

433.92 MHz aerial with



BT12 9086010

Available in 50 pcs



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

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



APPLE.4

363053

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

RECEIVERS AND ACCESSORIES



ONE.2WB 9673103

433.92 MHz, 2 channels in box.

ONE.2WI

433.92 MHz universal plug-in receiver,



RR.4WBV 9673158

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

RR.4WBV24 9673160

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



BT12 9086010

12 V Battery,

Available in 50 pcs



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).



ELECTRONIC SIGNALS & CONTROLS ROLLING-CODE TRANSMITTERS

2 channels









Two-channel rolling code transmitter, small size

to the COLOURS range

ourselves in a unique way

Available in the grey version or in 5 colours, all belonging

• A cheerful choice to express the different ways of feeling BENINCÀ, each one corresponding to a colour, varying our remote control and





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 433.92 MHz, 2 channels

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



MEM2048 9570001 **AW** 9076058 extension of the receiver memory up to 2048 codes.



433.92 MHz aerial with



BT.IO 9086001 Pack of 25 pieces.

ONE.2

READY

ELECTRONIC SIGNALS & CONTROLS UNIVERSAL RECEIVER

2 channels



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.



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.



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.



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.

RR.4WBV/P **RR.4WBV24/P24**

ELECTRONIC SIGNALS & CONTROLS RECEIVER

4 channels



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.

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.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.4WBP24

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.



ELECTRONIC SIGNALS & CONTROLS GREEN ECONOMY

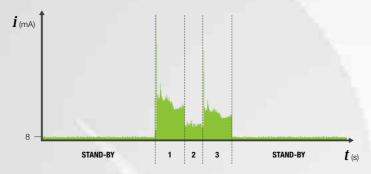
ECO COMPATIBLE AUTOMATED DEVICES THE BEST WAY TO SAVE

PATENT PENDING

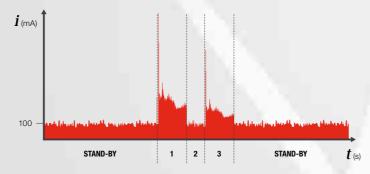




TYPICAL TREND OF POWER ABSORPTION WITH **ESA SYSTEM ACTIVATED ON BULL1024ESA MODEL**



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 BENINCA 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



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



ADVANTOUCH 9655050

ELECTRONIC SIGNALS & CONTROLS



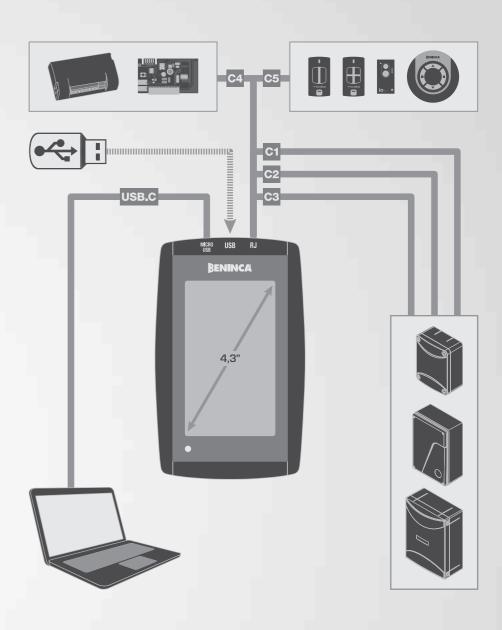
New controller, fully reworked in functions:

- 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



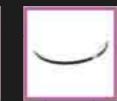
AD.CD management software on CD for PCs with WINDOWS



C1 control unit software

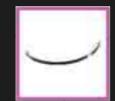


C2 control unit software

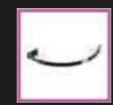


C3 programming, configuration

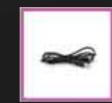
operating logic.



C4



unit memory reading board.



USB.C power supply and PC.



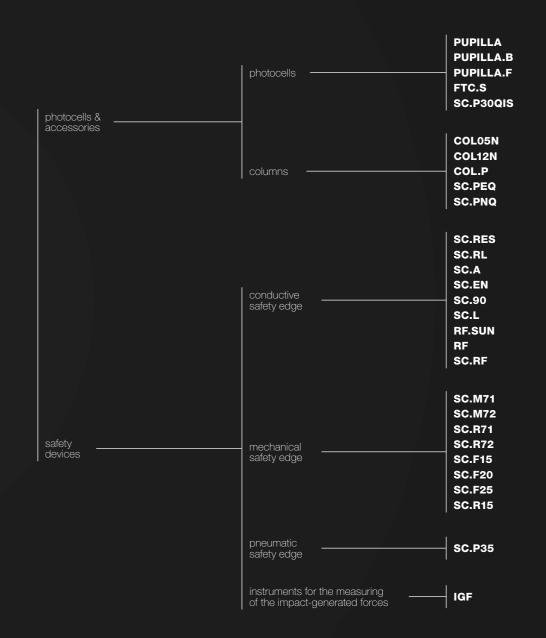
SIGNAL AND COMMAND



transponder devices	TEO SYSTEM	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

TEO

DETECTION AND SAFETY DEVICE



TRANSPONDER DEVICES

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.



TO.GO2WVT

9863092

2 channels self-learning code transmitter with transponder.



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.



TO.GO4WVT

9863093

4 channels self-learning code transmitter with transponder.

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



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.

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

BE.PLAY ACCESSORIES



BE-REC 9673028

24 Vac/dc 2 channels Operating mode: Bistable or time. It is possible to link up to 4 BE-PLAY. Relay output



KC-BEPLAY 9005015

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



COL10N 9230004

Pair of disassembled selector CH or keypad keypad with KC-BEPLAY



COL12N 9230003

Pair of disassembled keypad PNO/PNC, photocell reader BE.PROXY. Optional installation of BE-PLAY keypad with KC-BEPLAY

KEY SELECTOR

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.

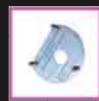


ID.SCM

9764030

Magnetic key selector.

ACCESSORIES



cemented for COL10N base.



COL10N 9230004 **KE** 9252005

Pair of disassembled selector CH or keypad PNO/PNC. Optional keypad with KC-BEPLAY



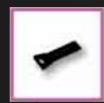
CH key selector switch.



KI 9252008



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



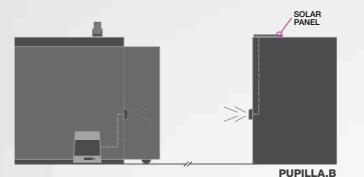
COL10N 9230004

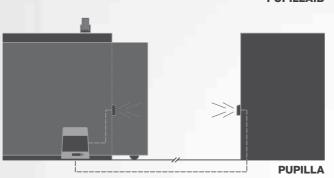
Pair of disassembled selector CH or keypad PNO/PNC. Optional

DETECTION AND SAFETY DEVICES

PHOTOCELLS







PUPILLA.B

- Photocell's transmitter powered by battery
- The innovative battery charging system using a photovoltaic panel represents an authentic novelty distinguishing PUPILLA.B, guaranteeing maximum safety and perfect operation to any plant
- Possibility of connecting up to 2 photovoltaic panels in case of non optimal climate conditions
- Continuous operation without any need of maintenance
- PUPILLA.B allows compliance with safety regulations even on installations that do not have incorporated safety systems thanks to the transmission of the controls even on moving gates
- The photocells can be oriented in different directions to make installation even easier



PUPILLA.B

9409006

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



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.



PUPILLA / PUPILLA.F

409001

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.



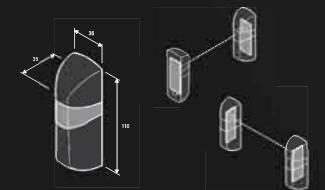
SC.P30QIS

94090

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

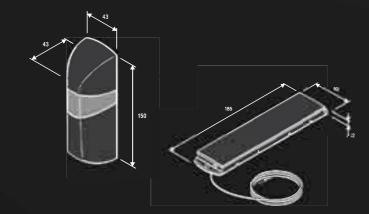
SC.PD not included.

PUPILLA



Rotation through 180 $^{\circ}$ allows the alignment of the photocells irrespective of the way they are fixed to the base

PUPILLA.B



ACCESSORIES



SF 9830009 Lateral suoi

Lateral support fo FTC.S photocells. 2 pcs packing.



SC.PD 9252010

Plastic container for recess SC.P30QIS.

2 pcs packing.

COLUMNS

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



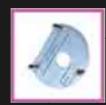
COL.BY

9230042

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

H= 0.5 m

ACCESSORIES

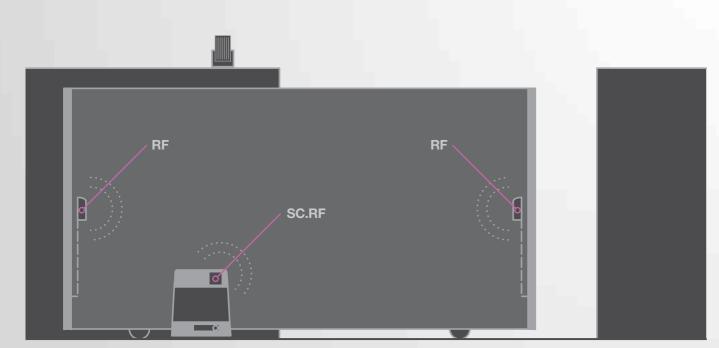


cemented for COLO5N, COL10N and COL12N

RF.SUN / RF / SC.RF

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 + SC.RF APPLICATION



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.



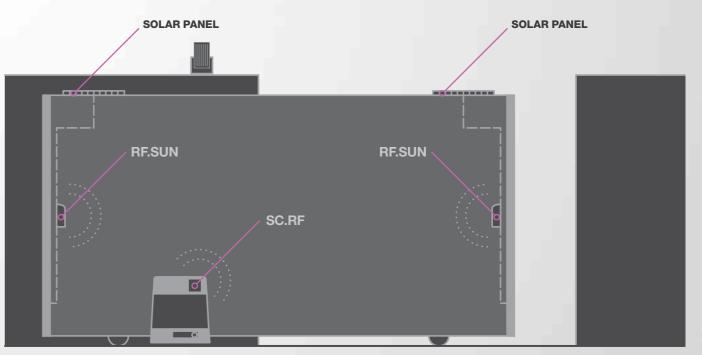
RF 9409016

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.SUN + SC.RF APPLICATION

SAFETY DEVICES

DETECTION AND SAFETY DEVICES



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



SC.L 9520010

Linear device set for SC.RES.



SC.A

9667010

Aluminium profile for SC.RES / SC.RL.

Packing 2 m.



SC.90

9520005

Angular device set for SC.RES.



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.



SC.P35

9270010

Pneumatic safety edge with plugsand aluminium profile.

Packing: 40m.



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.



SC.M71 / SC.M72

9270040 9270050

Mechanical safety edge, 1.5 m. Mechanical safety edge, 2 m.



SC.F15 / SC.F20 / SC.F25

9270070

9270071

Mechanical safety edge, 1.5 m long.

Mechanical safety edge, 2 m long. Mechanical safety edge, 2.5 m long.



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

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



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 BENINCA 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 BENINCA SpAAnd the goods must be sent carriage paid.
- 3) RETÉNTION 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 in any special registers.
- 4) ORDERS: The order is received by AUTOMATISMI BENINCA 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 BENINCA 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 BENINCA SpA cannot be cancelled by the Customer without the consent of AUTOMATISMI BENINCA 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 requiest 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 t
- 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) INTÉLLECTUAL PROPERTY RIGHTS: The brands of which AUTOMATISMI BENINCÀ SpA is the owner or licence-holder, the patients, 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 BENINCÂ 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 BENINCÂ SpA and the Customer, the exclusive competent court shall be the Court of Vicenza, without affecting the faculty of AUTOMATISMI BENINCÂ 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.



AFILIATED COMPANIES



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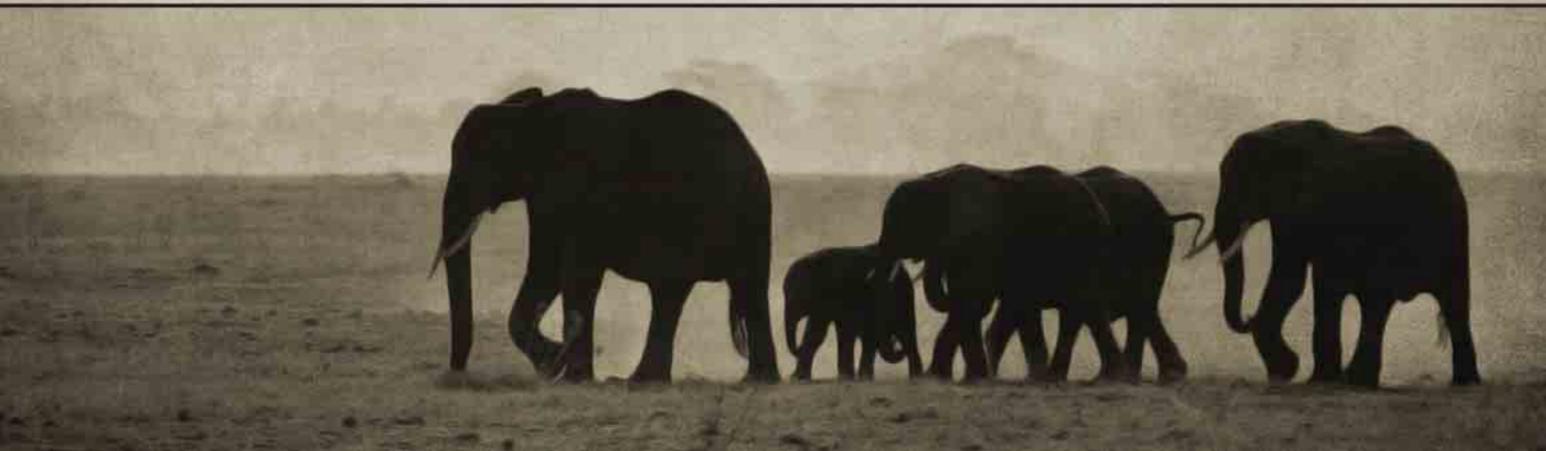
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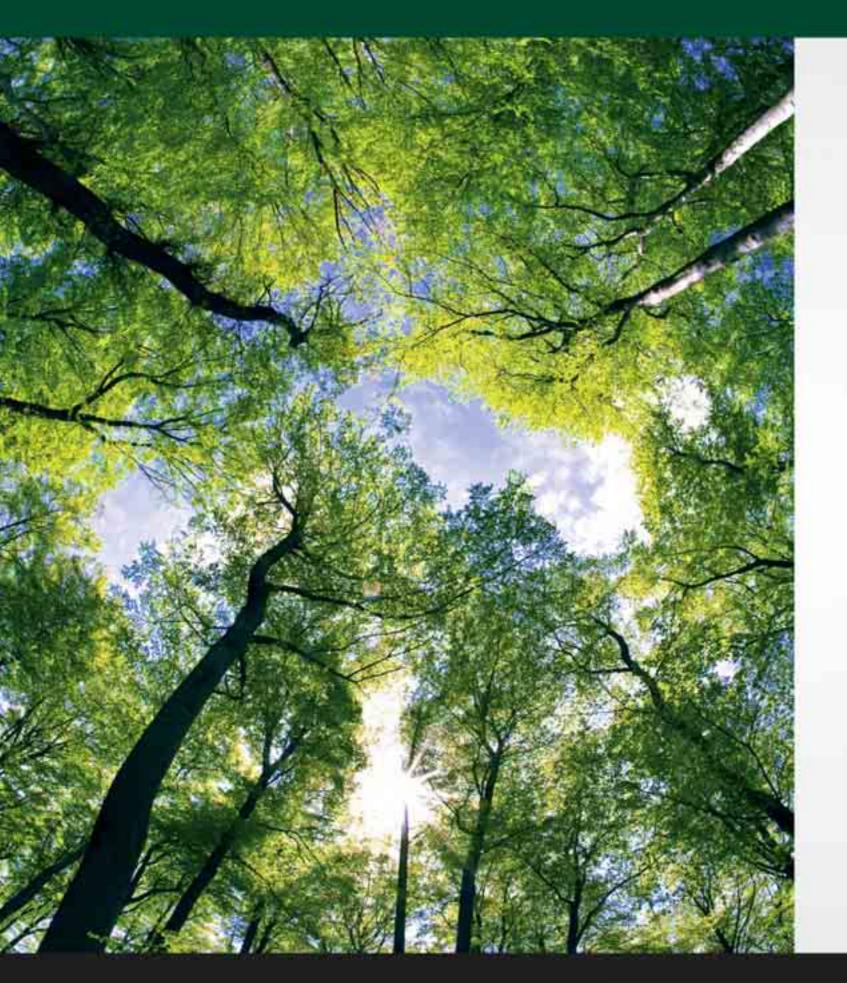






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