



LIVE THE EXPERIENCE
ENGLISH CATALOGUE

BENINCA[®]
TECHNOLOGY TO OPEN



BENINCA[®]
TECHNOLOGY TO OPEN



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

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

LIVE THE EXPERIENCE

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

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

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

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

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

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

Your journey begins here...

BENINCA'[®]
TECHNOLOGY TO OPEN





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

BENINCA 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 BENINCA' 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

Product family

Built-in technologies and devices
(icons description on p. 19)

Description of common features and specific features for each version

Model name

BOB21M / BOB2124E

APERTURE PER ANTE BATTENTI LINEARI A VITE SENZA FINE
Ingranaggi FACE Driveless
Risc a 2.1 m

Compatible control panels

CENTRALI DI COMANDO:
BOB21M BRAINY p.112 p.113
BOB2124E BRAINY24 p.122 p.123

Model specific accessories

| | | | | | |
|---|--|--|---|--|---|
| BOB_CS Coperchio di protezione per protezione anti-urto BOB21M/24E | B_SB Scheda di protezione di sicurezza per il motore BOB21M/24E | DELV96 Scheda di protezione di sicurezza per il motore BOB21M/24E | DELV96 Scheda di protezione di sicurezza per il motore BOB21M/24E | DELV96 Scheda di protezione di sicurezza per il motore BOB21M/24E | ELCKE Scheda di protezione di sicurezza per il motore BOB21M/24E |
| ELCKSE Scheda di protezione di sicurezza per il motore BOB21M/24E | CABLE24E Cavo di collegamento per il motore BOB21M/24E | ISA Scheda di protezione di sicurezza per il motore BOB21M/24E | ESA BASIC Scheda di protezione di sicurezza per il motore BOB21M/24E | ESM Scheda di protezione di sicurezza per il motore BOB21M/24E | |

DESCRIZIONE

230 Vac

24 Vdc **Intensivo**

24 Vdc Intensivo

• Motori a vite senza fine in alluminio inossidabile
• 24 Vdc per elevato risparmio energetico
• Il dispositivo a viti senza fine garantisce la massima sicurezza e precisione nella fase di movimentazione del cancello.
• Sistema antiscricchiolio con lubrificazione automatica.
• Possibilità di funzionamento in modo bidirezionale.

TECNICI

| | BOB21M | BOB2124E |
|------------------------------|-------------------|-------------------|
| Alimentazione di rete | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Alimentazione motore | 24 Vdc | 24 Vdc |
| Consumo nominale (stand-by) | 1.5 A | 1.5 A |
| Spinta massima | 6000 N | 6000 N |
| Tempo di apertura | 10" | 12" |
| Ciclo di lavoro | 20% | 20% |
| Corsa standard | 220 mm | 220 mm |
| Corsa massima | 320 mm | 320 mm |
| Indice di protezione | IP44 | IP44 |
| Dimensioni | 80 | 80 |
| Temperatura di funzionamento | 0°C/+50°C | 0°C/+50°C |
| Peso | 8,2 kg | 8,2 kg |
| N. pezzi per scatola | 18 | 18 |
| N. kit per scatola | 18 | 18 |

Technical design and capacities

Available kits

Application environments

Technical data

Operating features and logic

Inputs/outputs diagram

Specific accessories

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

| | | |
|-------------|-----------------------------------|----|
| p.22 | LINEAR WORM SCREWS | |
| | BOB21M / BOB2124E | 26 |
| | BOB30M / BOB3024E | 28 |
| | BOB50M / BOB5024E | 30 |
| | LINEAR TELESCOPIC OPERATOR | |
| | BILL30M | 32 |
| | BILL40M | 34 |
| | BILL50M | 36 |
| | ARTICULATED ARM | |
| | KBN24 | 38 |
| | MB24 / MBE24 | 40 |
| | PREMIER / PREMIER24 | 42 |
| | UNDERGROUND INSTALLATION | |
| | DU.IT14N / DU.IT24NVE | 44 |
| | DU.350N | 46 |



AUTOMATIONS FOR SLIDING GATES

| | | |
|-------------|------------------------|----|
| p.48 | RESIDENTIAL USE | |
| | KPONY | 50 |
| | BULL424ESA | 52 |
| | BULL5M | 54 |
| | BULL624ESA | 56 |
| | BULL8M | 58 |
| | COMMERCIAL USE | |
| | BULL8 OM | 60 |
| | BULL10M / BULL1024ESA | 62 |
| | BULL15M | 64 |
| | INDUSTRIAL USE | |
| | BULL20M / BULL20T | 66 |
| | BISON20 OM | 68 |
| | BISON25 OTI | 70 |
| | BISON35 OTI | 72 |
| | BISON45 OTI | 74 |



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

| | | |
|-------------|------------------------|----|
| p.76 | RESIDENTIAL USE | |
| | COMMERCIAL USE | |
| | ZED / ZED24 | 78 |
| | JIM | 80 |
| | INDUSTRIAL USE | |
| | VN.S | 82 |
| | VN.M | 84 |
| | VN.MT40V | 86 |
| | VN.S40V | 88 |
| | ADAM / ADAM24 | 90 |



ROAD BARRIERS & CAR PARK SAVER

| | | |
|-------------|-----------------|-----|
| p.92 | EVA.5 | 94 |
| | EVA.7 | 96 |
| | LADY | 98 |
| | LADY.5 | 100 |
| | VE.500 | 102 |
| | VE.650 | 104 |
| | VE.SOM / VE.SOR | 106 |



CONTROL PANELS

| | | |
|--------------|---|-----|
| p.108 | EXTERNAL CONTROL PANELS | |
| | SUN SYSTEM | 110 |
| | 230 Vac | |
| | BRAINY | 112 |
| | HEADY | 113 |
| | CORE | 114 |
| | MATRIX | 115 |
| | LOGICA | 116 |
| | CELL.P | 117 |
| | KER | 118 |
| | 230 - 400 Vac | |
| | THINK | 119 |
| | START | 120 |
| | WAVE | 121 |
| | 24 Vdc | |
| | BRAINY24 | 122 |
| | HEADY24 | 123 |
| | LOGICA24.RI | 124 |
| | DA.S04 | 125 |
| | INTERNAL CONTROL PANELS | |
| | 230 Vac | 127 |
| | 230 - 400 Vac | 133 |
| | 24 Vdc | 134 |
| | BATTERY CHARGER, BATTERIES AND BOX | 145 |



ELECTRONIC SIGNALS & CONTROLS

| | | |
|--------------|--|-----|
| p.146 | TRANSMITTERS | |
| | TO.GO | 148 |
| | APPLE | 152 |
| | IO | 154 |
| | RECEIVERS | |
| | ONE.2 | 156 |
| | RR4.WBV / P | 157 |
| | RR4.WBV24 / P24 | 157 |
| | ESA SYSTEM | 158 |
| | PROGRAMMING AND CONTROL SYSTEMS | |
| | CALL | 159 |
| | ADVANTOUCH | 160 |



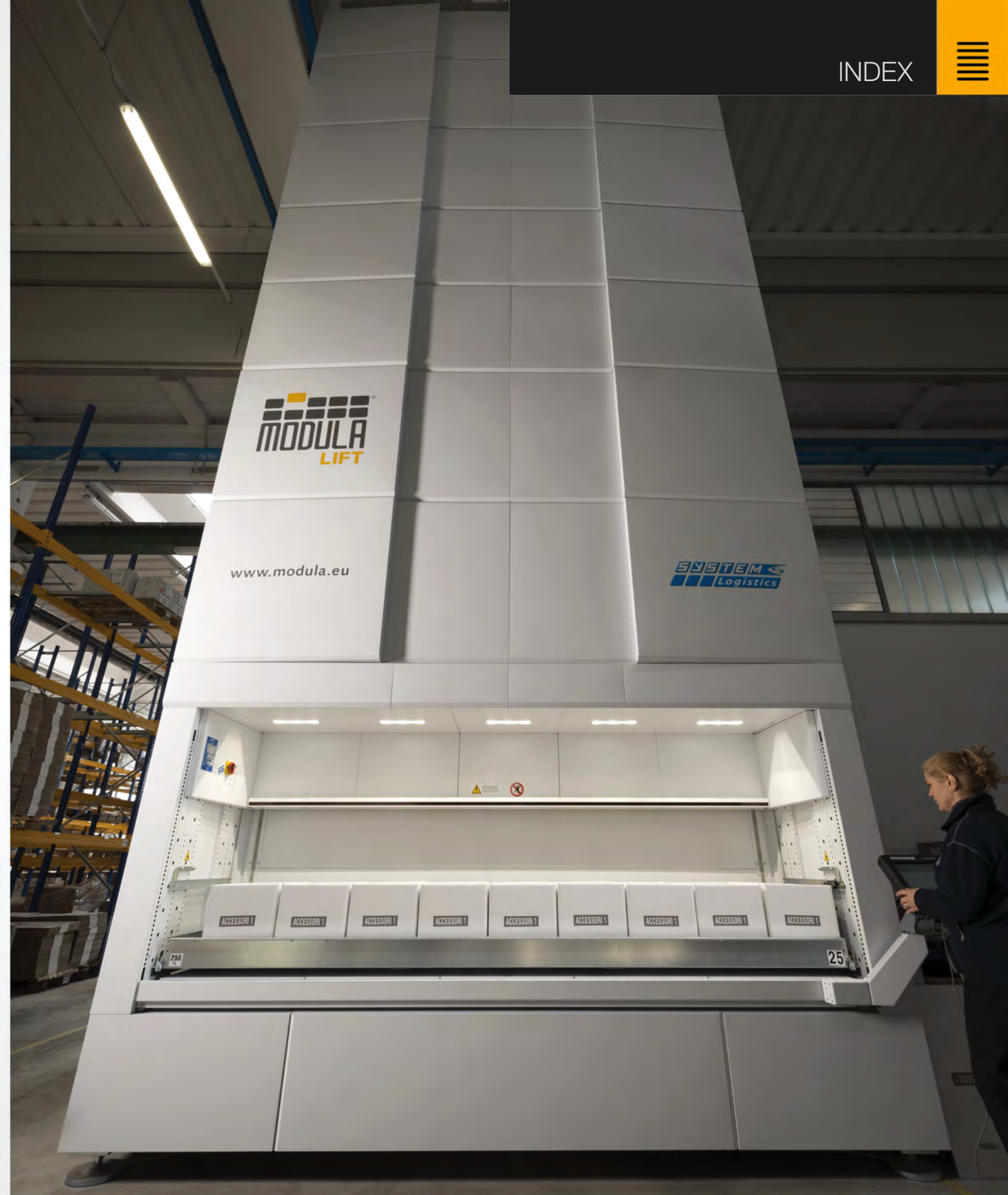
WARNING DEVICES AND SIGNALS

| | | |
|--------------|----------------------------|-----|
| p.162 | TRANSPONDER DEVICES | 164 |
| | DIGITAL KEYPAD | 166 |
| | KEY SELECTOR | 168 |
| | PUSH BUTTONS | 170 |
| | FLASHING LIGHTS | 171 |
| | PHOTOCELLS | 172 |
| | COLUMNNS | 174 |
| | RF.SUN / RF / SC.RF | 176 |
| | SAFETY DEVICES | 178 |



BENINCA' THROUGHOUT THE WORLD

p.182





LINEAR WORM SCREWS



CONTROL PANELS

HEADY / BRAINY
HEADY

HEADY24 / BRAINY24
HEADY24

HEADY / BRAINY
BRAINY
HEADY
BRAINY

HEADY24 / BRAINY24
BRAINY24

HEADY / BRAINY
BRAINY

BRAINY24

ARTICULATED ARM



CONTROL PANELS

CP.BN*

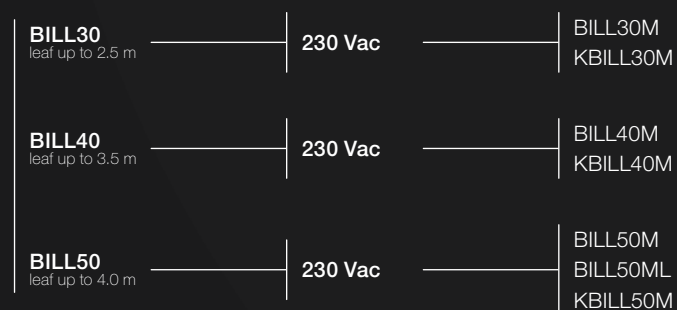
BRAINY24
CP.MBY24*
CP.MBY24*

HEADY / BRAINY
HEADY

BRAINY24
BRAINY24

HEADY / BRAINY

LINEAR TELESCOPIC OPERATOR



CONTROL PANELS

HEADY / BRAINY
HEADY

HEADY / BRAINY
HEADY

HEADY / BRAINY
HEADY / BRAINY
HEADY

UNDERGROUND INSTALLATION



CONTROL PANELS

HEADY / BRAINY

HEADY / BRAINY
BRAINY

HEADY / BRAINY

BRAINY24

HEADY / BRAINY

* Built-in control panel



Choose the weight and the length 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 |
| GATE LENGTH | 1,5 m | BOB21M BOB2124E | BOB21M BOB2124E | BOB21M BOB2124E | BOB21M BOB2124E | BOB30M BOB3024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M |
| | 1,8 m | BOB21M BOB2124E | BOB21M BOB2124E | BOB21M BOB2124E | BOB30M BOB3024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M |
| | 2,1 m | BOB21M BOB2124E | BOB21M BOB2124E | BOB30M BOB3024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M |
| | 2,5 m | BOB30M BOB50M BOB3024E BOB5024E | BOB30M BOB50M BOB3024E BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | BOB50M BOB5024E | 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 |
| GATE LENGTH | 1,8 m | BILL30M BILL40M | BILL30M BILL40M | BILL30M BILL40M | BILL30M BILL40M | BILL30M BILL40M | BILL30M BILL40M | BILL40M | BILL40M | BILL40M | BILL40M | |
| | 2,1 m | BILL30M BILL40M BILL50M BILL50ML | BILL30M BILL40M BILL50M BILL50ML | BILL30M BILL40M BILL50M BILL50ML | BILL30M BILL40M BILL50M BILL50ML | BILL30M BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL50M BILL50ML | BILL50M BILL50ML | BILL50ML |
| | 2,5 m | BILL30M BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL50M BILL50ML | BILL50M BILL50ML | BILL50ML | | |
| | 3 m | BILL40M BILL50M BILL50ML | BILL40M BILL50M BILL50ML | BILL50M BILL50ML | BILL50M BILL50ML | BILL50M BILL50ML | BILL50ML | | | | | |
| | 3,5 m | BILL40M BILL50M BILL50ML | BILL50M BILL50ML | BILL50M BILL50ML | BILL50ML | | | | | | | |
| | 4 m | BILL50M BILL50ML | BILL50ML | | | | | | | | | |
| | 4,5 m | BILL50ML | | | | | | | | | | |

ARTICULATED ARM

| | | LEAF MAX WEIGHT | | | | | | | | |
|-------------|-------|--------------------------|--------------------------|--------------------|--------------------|-----------------------------|--------------------|--------------------|--------------------|--------------------|
| | | 150 kg | 200 kg | 250 kg | 280 kg | 300 kg | 350 kg | 400 kg | 500 kg | 600 kg |
| GATE 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 |
| | 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 KBN24 MBE24 | PR.45E MBE24 | PR.45E MBE24 | PR.45E MBE24 | PR.45E PR.45E24 MBE24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 |
| | 2,5 m | PR.45E MBE24 | PR.45E MBE24 | PR.45E MBE24 | PR.45E MBE24 | PR.45E PR.45E24 MBE24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 |
| | 3 m | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E PR.45E24 | PR.45E |
| | 3,5 m | PR.45EL | 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 |
| GATE LENGTH | 1,5 m | DU.IT14NV | DU.IT14NV | DU.IT14N DU.IT24NVE DU.350NV | DU.IT14N DU.IT24NVE DU.350NV | DU.IT14N DU.IT24NVE DU.350NV | DU.IT14N DU.IT24NVE 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.350NV | DU.IT14N DU.IT24NVE 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.350NV | DU.IT14N DU.IT24NVE 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.350NV | DU.IT14N DU.350N DU.350NV | DU.350N | DU.350N | | |
| | 3,5 m | DU.IT14N DU.IT24NVE DU.350N | DU.IT14N DU.IT24NVE DU.350N | DU.IT14N DU.IT24NVE DU.350N | DU.IT14N DU.350N | DU.IT14N DU.350N | DU.350N | | | |
| | 4 m | DU.350N | DU.350N | DU.350N | DU.350N | DU.350N | | | | |

NOTES

- With BOB.SL accessory
- We recommend the use of an electric lock

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



BOB21M / BOB2124E

AUTOMATIONS FOR SWINGING GATES LINEAR WORM SCREWS

patented FACE gears
up to 2.1 m



CONTROL PANELS:

BOB21M — BRAINY HEADY p.112 p.113

BOB2124E — BRAINY24 HEADY24 p.122 p.123



DESCRIPTION

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

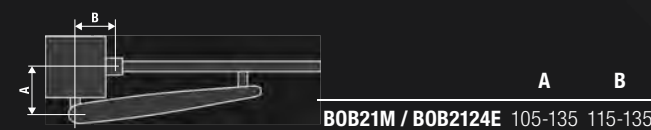
230 Vac

- Irreversible 230 Vac electromechanical geared motor

24 Vdc | intensive use

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

MEASURES



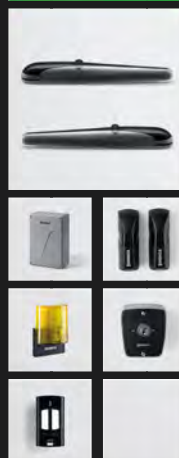
COMPLETE KITS

KBOB21M 9592095

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

KBOB2124E 9592198

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



BOB.CS 9765040

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



B.SR 9819310

Multiposition brackets for one operator BOB21M/BOB2124E.



B.P 9819005

Screw-on plate for models in the BOB21 series.



DU.V96 9765035

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



DU.V90 9765030

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



DU.9990 9623010

Covering plate for DU.V90.



E.LOCK 9765001

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE 9765002

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



CABLE.24E 9171002

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



ID.TA 9846019

Warning board.



ESA BASIC 9176108

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



KSUN 9611004

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

MADE IN ITALY

TECHNICAL DATA

| | BOB21M | BOB2124E |
|-----------------------|-------------------|-------------------|
| Code | 9591534 | 9591351 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 230 Vac | 24 Vdc |
| Max absorbed current | 1.5 A | 5.5 A |
| Max Thrust | 1800 N | 1800 N |
| Opening time | 18" | 9" - 21" |
| Operation cycle | 30% | intensive use |
| Standard stroke | 270 mm | 270 mm |
| Max stroke | 325 mm | 325 mm |
| Protection level | IP44 | IP44 |
| Encoder | NO | YES |
| Operating temperature | -20°C / +50°C | -20°C / +50°C |
| Leaf max dimension | 2.1 m | 2.1 m |
| Weight | 8.2 kg | 8.2 kg |
| Items no. per pallet | 54 | 54 |
| Kits no. per pallet | 18 | 18 |



BOB30M / BOB3024E

AUTOMATIONS FOR SWINGING GATES LINEAR WORM SCREWS

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



CONTROL PANELS:

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

DESCRIPTION

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

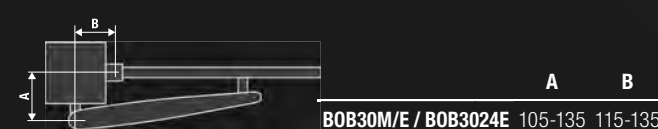
230 Vac

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

24 Vdc | intensive use

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

MEASURES



COMPLETE KITS

KBOB30M 9592096

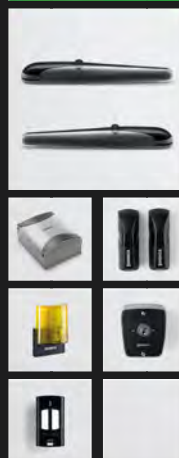
- 2 **BOB30M** 230 Vac Operators
- 1 **HEADY** 230 Vac control unit with integrated receiver
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter

KBOB30ME 9592088

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

KBOB3024E 9592089

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



B.SR 9819310

Multiposition brackets for one operator BOB30M/E/BOB3024E.



B.P 9819005

Screw-on plate for models in the BOB30 series.



BOB.SL 9819004

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



DU.V96 9765035

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



DU.V90 9765030

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



DU.9990 9623010

Covering plate for DU.V90.



E.LOCK 9765001

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE 9765002

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



CABLE.24E 9171002

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



ID.TA 9846019

Warning board.



ESA BASIC 9176108

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



KSUN 9611004

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

MADE IN ITALY

TECHNICAL DATA

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



BOB50M / BOB5024E

AUTOMATIONS FOR SWINGING GATES LINEAR WORM SCREWS

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



CONTROL PANELS:

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



DESCRIPTION

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

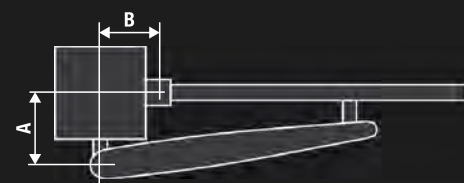
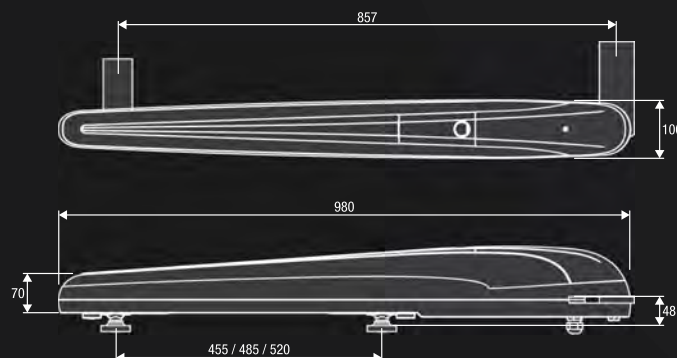
230 Vac

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

24 Vdc intensive use

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

MEASURES



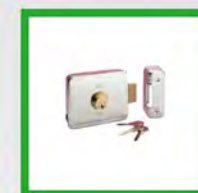
| | A | B |
|---------------------|---------|---------|
| BOB50M/E / BOB5024E | 150-225 | 150-225 |



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



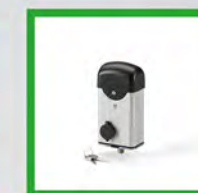
DU.V96
9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.



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



DU.9990
9623010
Covering plate for DU.V90.



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



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



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



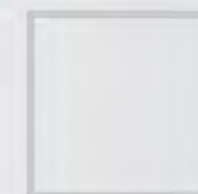
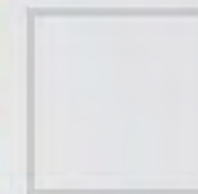
ID.TA
9846019
Warning board.



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



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



MADE IN ITALY

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



BILL30M



CONTROL PANELS:

BILL30M — BRAINY HEADY

p.112
p.113

AUTOMATIONS FOR SWINGING GATES LINEAR TELESCOPIC OPERATOR

personalised release key
up to 2.5 m

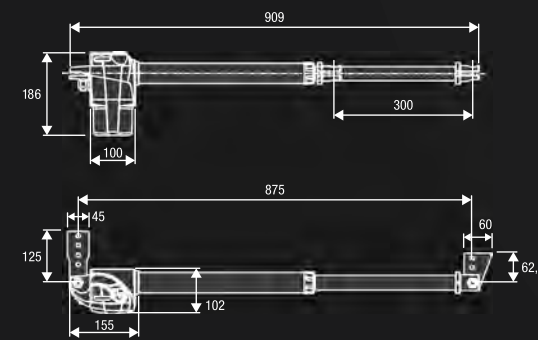


230 Vac

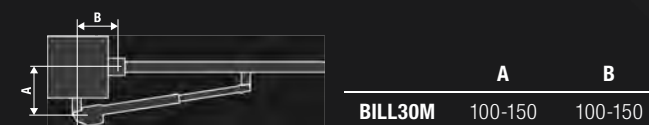
- Irreversible 230 Vac electromechanical geared motor with easy access release from above
- Neat design and size, particularly suited to forged iron gates
- Easy and quick to install due to compact size and installation dimensions

- 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

MADE IN ITALY

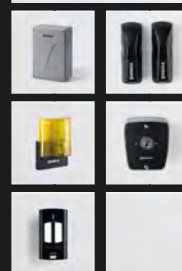


MEASURES

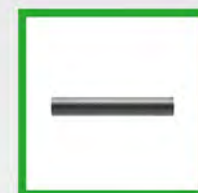


COMPLETE KITS

- 1 **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



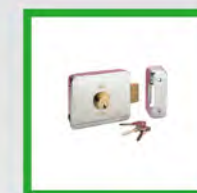
B.SR
9819310
Multiposition brackets for one operator BILL30M.



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



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



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



DU.9990
9623010
Covering plate for DU.V90.



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



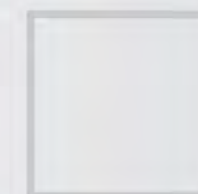
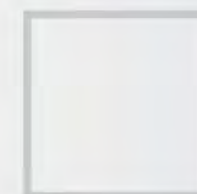
E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.



ID.TA
9846019
Warning board.



ESA BASIC
9176108
System that reduces the electrical energy consumption.



| 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 |

BILL30M AUTOMATIONS FOR SWINGING GATES

BENINCA



BILL40M



CONTROL PANELS:

BILL40M — BRAINY HEADY

p.112
p.113

AUTOMATIONS FOR SWINGING GATES LINEAR TELESCOPIC OPERATOR

personalised release key
up to 3.5 m

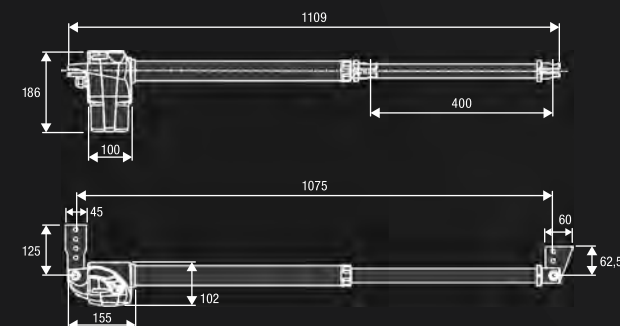


230 Vac

- 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

MADE IN ITALY

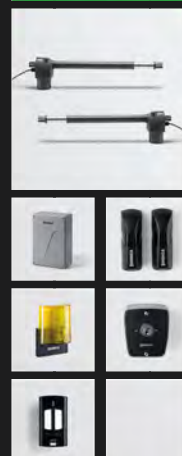


MEASURES

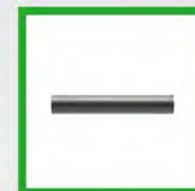


COMPLETE KITS

- **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



B.SR
9819310
Multiposition brackets for one operator BILL40M.



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



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



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



DU.9990
9623010
Covering plate for DU.V90.



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



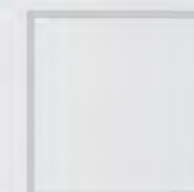
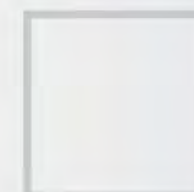
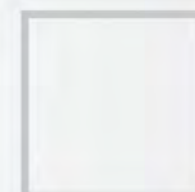
E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.



ID.TA
9846019
Warning board.



ESA BASIC
9176108
System that reduces the electrical energy consumption.



| TECHNICAL DATA | BILL40M |
|-----------------------|---------------------------|
| Code | 9592124 (R) / 9592125 (L) |
| Power supply | 230 Vac (50-60Hz) |
| Motor supply | 230 Vac |
| Max absorbed current | 1.1 A |
| Max Thrust | 2800 N |
| Opening time | 18" |
| Operation cycle | 30% |
| Standard stroke | 400 mm |
| Max stroke | 420 mm |
| Protection level | IP54 |
| Operating temperature | -20°C / +50°C |
| Leaf max dimension | 3,5 m |
| Weight | 6,0 kg |
| Items no. per pallet | 60 |
| Kits no. per pallet | 21 |

BILL40M AUTOMATIONS FOR SWINGING GATES

BENINCA



BILL50M

AUTOMATIONS FOR SWINGING GATES LINEAR TELESCOPIC OPERATOR

personalised release key
up to 4.5 m



CONTROL PANELS:

- BILL50M — BRAINY HEADY p.112 p.113
- BILL50ML — BRAINY HEADY p.112 p.113

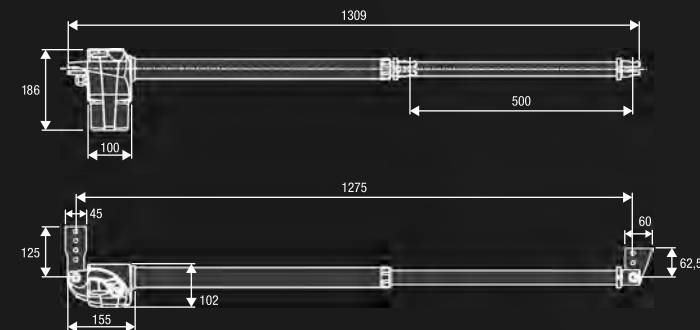


230 Vac

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

- Worm protected by a scraper ring and stainless steel stem, suitable for use in dusty and sandy environments or where there are aggressive atmospheric agents.
- Available in right or left version
- **BILL50ML version for large doors and confined installation dimensions**

MADE IN ITALY

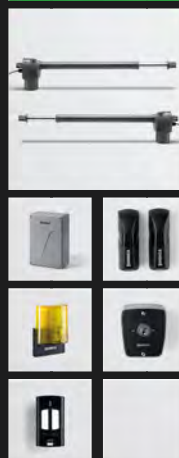


MEASURES

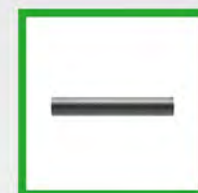
| | A | B |
|-----------------|---------|---------|
| BILL50M | 180-250 | 180-250 |
| BILL50ML | 120-200 | 120-200 |

COMPLETE KITS

- **KBILL50M** 9592191
- 2 **BILL50M** 230 Vac Operators
- 1 **HEADY** 230 Vac control unit with integrated receiver
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI.LED** 230 Vac Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter



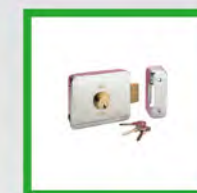
B.SR
9819310
Multiposition brackets for one operator BILL50M/L.



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



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



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



DU.9990
9623010
Covering plate for DU.V90.



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



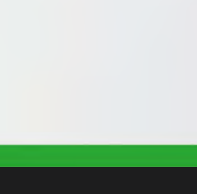
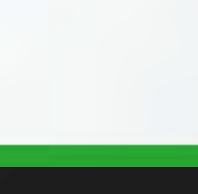
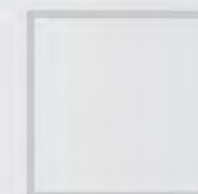
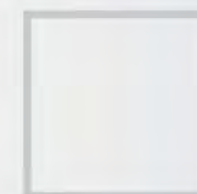
E.LOCKSE
9765002
Extended cylinder for E.LOCK electric lock. It allows to unlock gates up to 55mm-thick from the outside.



ID.TA
9846019
Warning board.



ESA BASIC
9176108
System that reduces the electrical energy consumption.



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 |

BILL50M AUTOMATIONS FOR SWINGING GATES

BENINCA



KBN24



CONTROL PANELS:

BN.E24 ——— **CP.BN** p.134

AUTOMATIONS FOR SWINGING GATES ARTICULATED ARM

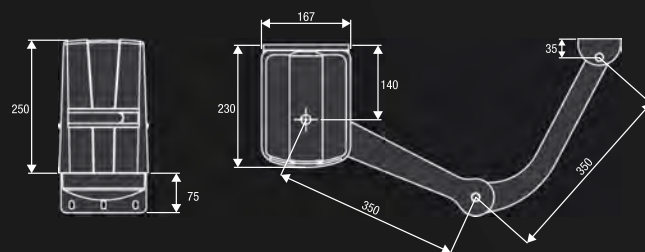
with integrated control box and receiver
up to 2.1 m



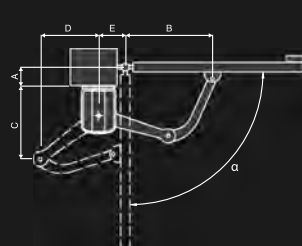
24 Vdc ^{intensive use}

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

MADE IN ITALY



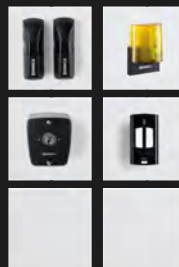
MEASURES



| | A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | α° |
|-----|-------|-------|-------|-------|-------|------|
| 0 | 470 | 382 | 253 | 140 | 140 | 90° |
| 50 | 470 | 373 | 261 | 140 | 140 | 90° |
| 100 | 470 | 370 | 264 | 140 | 140 | 90° |
| 150 | 470 | 375 | 260 | 140 | 140 | 90° |
| 185 | 470 | 412 | 220 | 160 | 140 | 90° |
| 0 | 420 | 266 | 327 | 200 | 200 | 110° |
| 100 | 420 | 305 | 309 | 200 | 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.G02WV** 433.92 MHz Transmitter



| | | | | | |
|--|---|--|--|---|--|
| | | | | | |
| BN.SE 9090019 Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside. | BA 9099053 Single arm for BN24/BN.E24. | DU.V96 9765035 12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release. | DU.V90 9765030 12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release. | DU.9990 9623010 Covering plate for DU.V90. | L.BY 9760024 Control board for electric lock 12/24 Vdc. |
| | | | | | |
| ID.TA 9846019 Warning board. | ESA BASIC 9176108 System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation. | KSUN 9611004 KIT for system operation via solar panel. For 24 Vdc models. | | | |
| | | | | | |

| TECHNICAL DATA | BN24 | BN.E24 |
|-----------------------|-----------------------|-----------------------|
| Power supply | - | 230 Vac (50-60Hz) |
| Motor supply | 24 Vdc | 24 Vdc |
| Max absorbed current | 4,6 A | 0,76 A |
| Torque | 125 Nm | 125 Nm |
| Opening time | 10" | 10" |
| Operation cycle | intensive use | intensive use |
| Protection level | IP44 | IP44 |
| Mechanical stop | adjustable in opening | adjustable in opening |
| Built-in control unit | NO | YES |
| Operating temperature | -20°C /+50°C | -20°C /+50°C |
| Leaf max dimension | 2,1 m | 2,1 m |
| Weight | 6 kg | 7,9 kg |
| Version | KIT only | KIT only |
| Items no. per pallet | - | - |
| Kits no. per pallet | 12 | 12 |



MB24 / MBE24



CONTROL PANELS:

- 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

ARM NOT INCLUDED

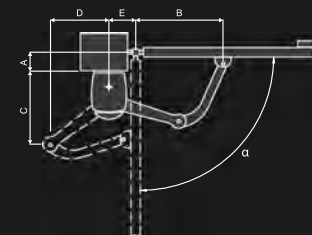
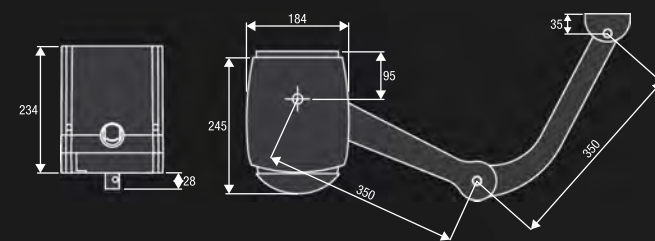


24 Vdc ^{intensive use}

- 24 Vdc self-locking electromechanical operator for intensive use equipped with strong, articulated and anti-shearing arm
- Suitable for gates installed on large posts
- Tempered steel mechanical features to guarantee sturdiness and solidity
- Equipped with open and close limit switch
- Amperometric sensor obstacle detection system to prevent crushing
- Optional battery powered operation

MADE IN ITALY

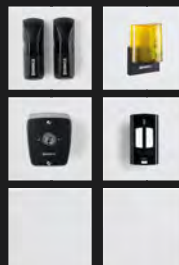
MEASURES



| A(mm) | B(mm) | C(mm) | D(mm) | E(mm) | α° |
|-------|-------|-------|-------|-------|------|
| 0 | 470 | 382 | 253 | 140 | 90° |
| 50 | 470 | 373 | 261 | 140 | 90° |
| 100 | 470 | 370 | 264 | 140 | 90° |
| 150 | 470 | 375 | 260 | 140 | 90° |
| 185 | 470 | 412 | 220 | 160 | 90° |
| 200 | 440 | 417 | 147 | 200 | 90° |
| 0 | 420 | 266 | 327 | 200 | 110° |
| 100 | 420 | 305 | 309 | 200 | 105° |

COMPLETE KITS

- KMB24** 9592071
- 1 **MBE24** 24 Vdc Operator with built-in control unit and receiver
- 1 **MB24** 24 Vdc Operators
- 2 **BA** Articulated arms
- 1 **PUPILLA.F** Pair of photocells
- 1 **LAMPI24.LED** 24 Vdc Led flashing light with built-in aerial
- 1 **TOKEY** Metal key selector
- 1 **TO.GO2WV** 433.92 MHz Transmitter



| | | | | | |
|---|---|---|--|--|--|
| | | | | | |
| BA 9099053 Single arm for MB24/MBE24. | BS 9099052 Sliding arm for MB24/MBE24. | MB.CP2 9623050 Set of counter plates for two operators, suitable for the installation on columns made of stones. | MB.SE 9099012 Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside. | DU.V96 9765035 12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release. | DU.V90 9765030 12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release. |
| | | | | | |
| DU.9990 9623010 Covering plate for DU.V90. | ID.TA 9846019 Warning board. | ESA BASIC 9176108 System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation. | KSUN 9611004 KIT for system operation via solar panel. For 24 Vdc models. | | |
| | | | | | |
| | | | | | |

| TECHNICAL DATA | MB24 | MBE24 |
|-----------------------------|---------------|-------------------|
| Code | 9590330 | 9590613 |
| Power supply | - | 230 Vac (50-60Hz) |
| Motor supply | 24 Vdc | 24 Vdc |
| Max absorbed current | 6.2 A | 0.76 A |
| Torque | 180 Nm | 180 Nm |
| Opening time | 10" | 10" |
| Operation cycle | intensive use | intensive use |
| Protection level | IP44 | IP44 |
| Built-in control unit | NO | YES |
| Operating temperature | -20°C /+50°C | -20°C /+50°C |
| Leaf max dimension | 2.5 m | 2.5 m |
| Weight | 9 kg | 10.7 kg |
| Items no. per pallet | 42 | 42 |
| Kits no. per pallet | 12 | 12 |



CONTROL PANELS:

- PR.45E — BRAINY HEADY p.112 p.113
- PR.45EL — BRAINY HEADY p.112 p.113
- 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

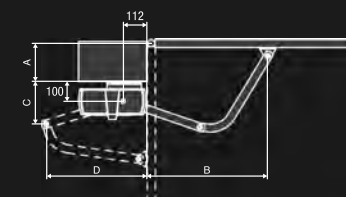
- Irreversible 230 Vac electromechanical geared motor also available in the PR.45EL version for large doors

24 Vdc intensive use

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

MADE IN ITALY

MEASURES



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

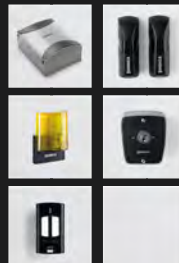
COMPLETE KITS

KPR 9592073

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

KPR.24 9592074

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



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



MB.SE
9099012
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside.



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



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



DU.9990
9623010
Covering plate for DU.V90.



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



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



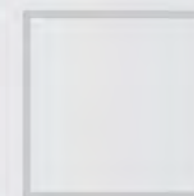
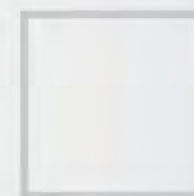
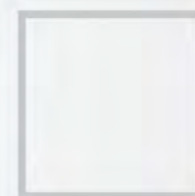
ID.TA
9846019
Warning board.



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



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



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



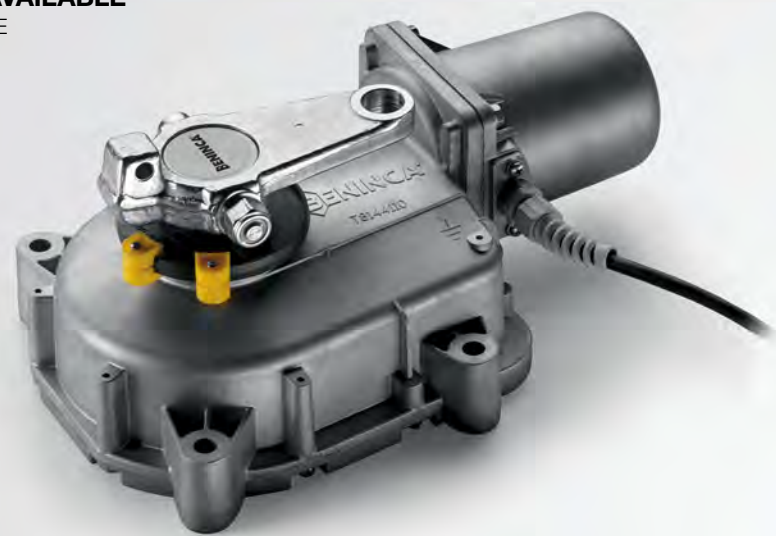
DU.IT14N / DU.IT24NVE

AUTOMATIONS FOR SWINGING GATES UNDERGROUND INSTALLATION

up to 3.5 m

DUIT.BR ACCESSORY AVAILABLE

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



CONTROL PANELS:

DU.IT14N — BRAINY HEADY p.112 p.113

DU.IT14NV — BRAINY HEADY p.112 p.113

DU.IT24NVE — BRAINY24 p.122

DESCRIPTION

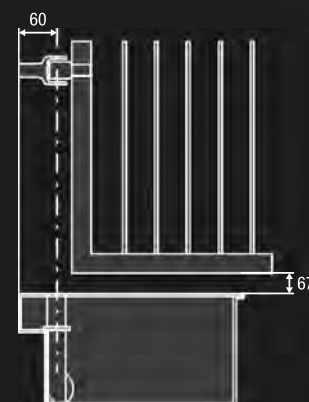
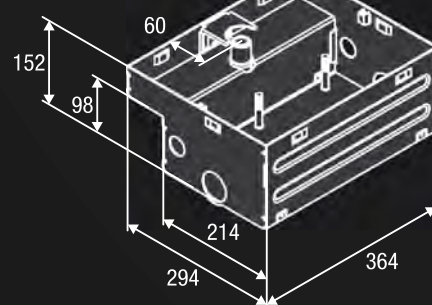
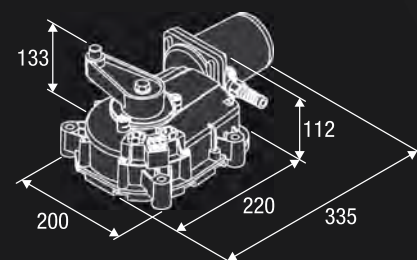
Irreversible electromechanical geared motor available in 230 Vac and 24 Vdc version, with the option of opening to 180°. Full metal mechanics and built-in mechanical stop.

230 Vac

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

24 Vdc | intensive use

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



DU.ITIX

9150039

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



DU.ITCF

9150043

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



SB.DUIT.K

9747101

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



SB.DUIT.L

9747099

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



SB.DU180.K

9747097

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



SB.DU180.L

9747098

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



DU.ITST

9747083

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



DU.V96

9765035

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



DU.V90

9765030

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



DU.9990

9623010

Covering plate for DU.V90.



E.LOCK

9765001

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE

9765002

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



DUIT.BR

595.01

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



DU.FCN

9567015

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



CABLE.24E

9171002

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

L = 100 m.



ID.TA

9846019

Warning board.



ESA BASIC

9176108

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



KSUN

9611004

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

MADE IN ITALY

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



DU.350N



CONTROL PANELS:

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

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

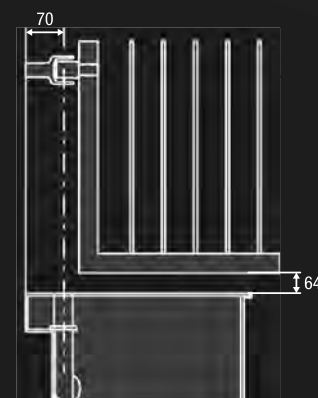
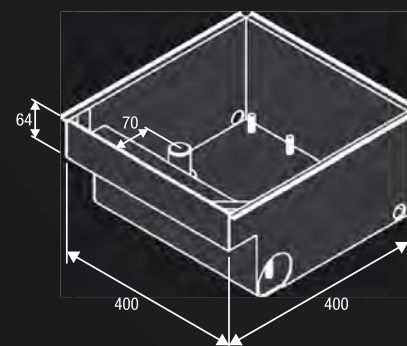
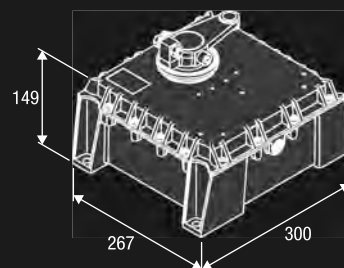
CAMS' DISK NOT INCLUDED



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



DU.350CF
9150021

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



SB.DU350.K
9747102

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



SB.DU350.L
9747100

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



SB.180.K
9747095

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



SB.180.L
9747096

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



DU.350ST
9747084

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



DU.V96
9765035

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



DU.V90
9765030

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



DU.9990
9623010

Covering plate for DU.V90.



E.LOCK
9765001

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
9765002

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



DU.350FC
9567001

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



ID.TA
9846019

Warning board.



ESA BASIC
9176108

System that reduces the electrical energy consumption.

MADE IN ITALY

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

DU.350N AUTOMATIONS FOR SWINGING GATES



**RESIDENTIAL
USE**

| | | |
|--------------------------------|-------------------------|---|
| KPONY up to 350 kg | 24 Vdc | KPONY |
| BULL424 up to 450 kg | 24 Vdc intensive use | BULL424ESA KBULL424 |
| BULL5 up to 500 kg | 230 Vac | BULL5M KBULL5M |
| BULL624 up to 600 kg | 24 Vdc intensive use | BULL624ESA BULL624ESA.S KBULL624 |
| BULL8 up to 800 kg | 230 Vac | BULL8M BULL8M.S KBULL8M |

CONTROL PANELS

CP.PONY*

CP.B24ESA*
CP.B24ESA*

CP.CORE*
CP.CORE*

CP.B24ESA*
CP.B24ESA*
CP.B24ESA*

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

**COMMERCIAL
USE**

| | | |
|---------------------------------|-------------------------|--|
| BULL8 up to 800 kg | 230 Vac | BULL8OM BULL8OM.S KBULL8OM |
| BULL10 up to 1,000 kg | 230 Vac | BULL10M BULL10M.S |
| | 24 Vdc intensive use | BULL1024ESA BULL1024ESA.S |
| BULL15 up to 1,500 kg | 230 Vac | BULL15M BULL15M.S |

CONTROL PANELS

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

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

CP.B1024ESA*
CP.B1024ESA*

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

**INDUSTRIAL
USE**

| | | |
|----------------------------------|---|----------------------|
| BULL20 up to 2,000 kg | 230 Vac | BULL20M BULL20M.S |
| | 400 Vac intensive use | BULL20T BULL20T.S |
| BISON20 up to 2,000 kg | 230 Vac intensive use | BISON20 OM |
| BISON25 up to 2,500 kg | 230 Vac three-phase intensive use | BISON25 OTI |
| BISON35 up to 3,500 kg | 230 Vac three-phase intensive use | BISON35 OTI |
| | | BISON35 OTI L |
| BISON45 up to 4,500 kg | 400 Vac intensive use | BISON45 OTI |

CONTROL PANELS

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

THINK / START
THINK / START

CP.BISON OM*

CP.BISON OTI*

CP.BISON OTI*
CP.BISON OTI L*

CP.BISON OTI*

* Built-in control panel



KPONY



CONTROL PANELS:

PONY ——— CP.PONY p.136

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 places.



ID.TA 9846019

Warning board.



KSUN 9611004

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

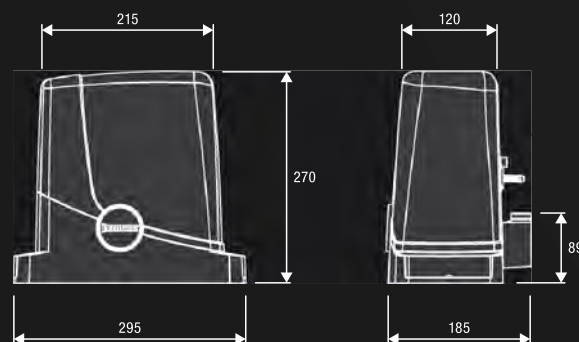


MADE IN ITALY

COMPLETE KITS

KPONY 9592170

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



TECHNICAL DATA

PONY324

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



BULL424ESA



CONTROL PANELS:

BULL424ESA — CP.B24ESA p.137

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

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



BULL.P3

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

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)



RI.M4F
9272010

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

Packaging: 4 pcs



RI.M4Z
9272030

M4 galvanized rack (22x22x2000 mm).

Packaging: 2 pcs



RI.M4P
9272020

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

Packaging: 10 pcs



MLS
9387001

Magnetic limit switches for BULL. Suitable for snowy places.



SB.BULL8.F
9747025

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



ID.TA
9846019

Warning board.



KSUN
9611004

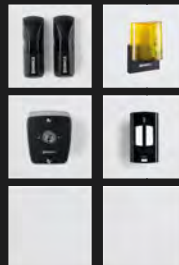
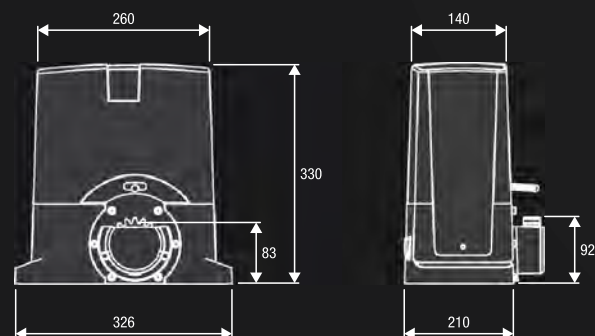
KIT for system operation via solar panel. For 24 Vdc models.

MADE IN ITALY

COMPLETE KITS

KBULL424 9592090

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



TECHNICAL DATA

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



BULL5M



CONTROL PANELS:

BULL5M ——— CP.CORE p.127

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

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



BULL.P3

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

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)

BULL5M AUTOMATIONS FOR SLIDING GATES



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



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



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



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



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



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



ID.TA
9846019
Warning board.



ESA BASIC
9176108
System that reduces the electrical energy consumption.

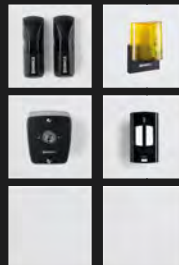
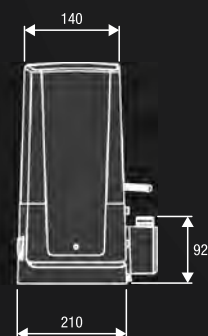
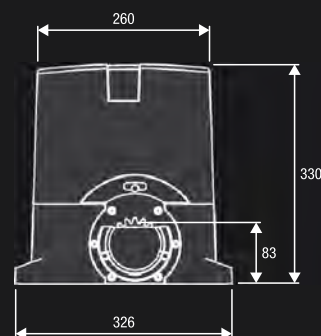


MADE IN ITALY

COMPLETE KITS

KBULL5M 9592091

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



TECHNICAL DATA

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



BULL624ESA



CONTROL PANELS:

BULL624ESA → **CP.B24ESA** p.137

BULL624ESA.S → **CP.B24ESA** p.137

AUTOMATIONS FOR SLIDING GATES RESIDENTIAL USE

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



BULL.P3

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

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)



RI.M4F
9272010

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



RI.M4Z
9272030

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



RI.M4P
9272020

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



SB.BULL8.F
9747025

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



ID.TA
9846019

Warning board.



KSUN
9611004

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

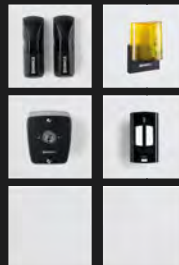
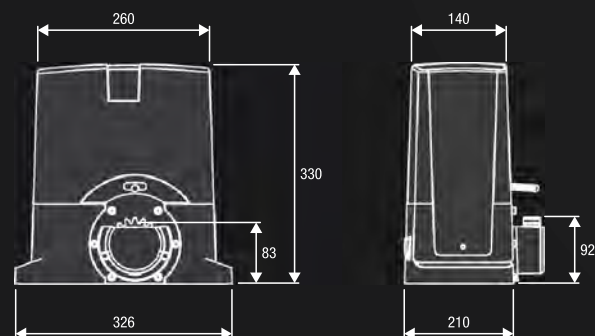


MADE IN ITALY

COMPLETE KITS

KBULL624 9592092

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



TECHNICAL DATA

| | BULL624ESA | BULL624ESA.S |
|-------------------------------|-------------------|---------------------|
| Code | 9591465 | 9591480 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 24 Vdc | 24 Vdc |
| Max absorbed current | 0.5 A | 0.5 A |
| Power consumption in stand-by | 8 mA | 8 mA |
| Max Thrust | 857 N | 857 N |
| Opening speed | 5.8-9.75 m/min | 5.8-9.75 m/min |
| Operation cycle | intensive use | intensive use |
| Protection level | IP44 | IP44 |
| Magnetic limit switches | NO | YES |
| Operating temperature | -20°C / +50°C | -20°C / +50°C |
| Max gate weight | 600 kg | 600 kg |
| Driving gear for rack | M4 Z14 | M4 Z14 |
| Weight | 11.6 kg | 11.6 kg |
| Items no. per pallet | 36 | 36 |
| Kits no. per pallet | 30 | - |



BULL8M



CONTROL PANELS:

BULL8M ———> CP.BULL8-OM p.128

BULL8M.S ———> CP.BULL8-OM p.128



**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
9747025

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



ID.TA
9846019

Warning board.



ESA BASIC
9176108

System that reduces
the electrical energy
consumption.

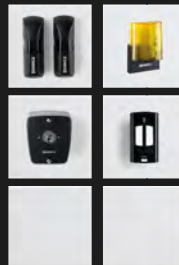
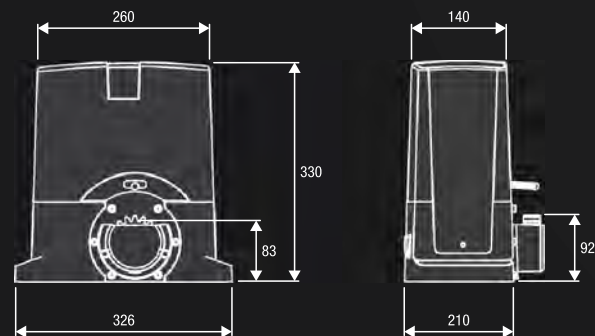


MADE IN ITALY

■ **COMPLETE KITS**

KBULL8M 9592097

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



TECHNICAL DATA

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



BULL8 OM



CONTROL PANELS:

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

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



SB.BULL8.F

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



ID.TA

9846019
Warning board.



ESA BASIC

9176108
System that reduces the electrical energy consumption.

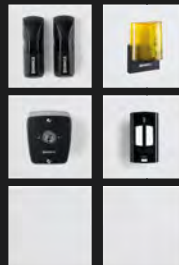
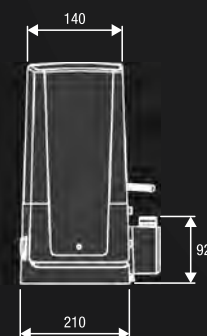
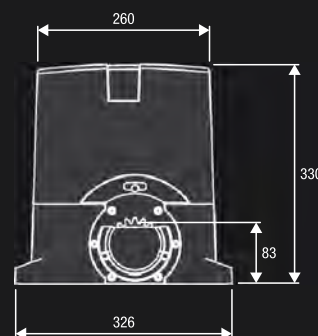


MADE IN ITALY

COMPLETE KITS

KBULL8OM 9592098

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



TECHNICAL DATA

| | BULL8 OM | BULL8 OM.S |
|-----------------------------|-------------------|-------------------|
| Code | 9591523 | 9591497 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 230 Vac | 230 Vac |
| Max absorbed current | 2.6 A | 2.6 A |
| Max Thrust | 940 N | 940 N |
| Opening speed | 10.5 m/min | 10.5 m/min |
| Operation cycle | 40% | 40% |
| Protection level | IP44 | IP44 |
| Magnetic limit switches | NO | YES |
| Operating temperature | -20°C /+50°C | -20°C /+50°C |
| Lubrication | OIL | OIL |
| Max gate weight | 800 kg | 800 kg |
| Driving gear for rack | M4 Z18 | M4 Z18 |
| Weight | 14.2 kg | 14.2 kg |
| Items no. per pallet | 36 | 36 |
| Kits no. per pallet | 30 | - |



BULL10M / BULL1024ESA



CONTROL PANELS:

- BULL10M — CP.BULL-RI p.129
- BULL10M.S — CP.BULL-RI p.129
- BULL1024ESA — CP.B1024ESA p.138
- BULL1024ESA.S — CP.B1024ESA p.138

AUTOMATIONS FOR SLIDING GATES COMMERCIAL USE

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



DESCRIPTION

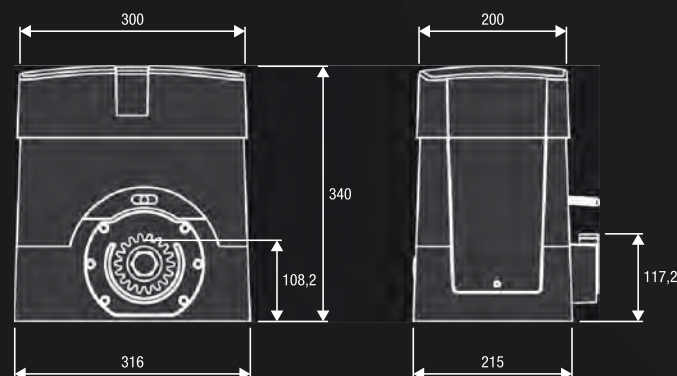
Irreversible electromechanical geared motor equipped with encoder available in 230 Vac or 24 Vdc version. Full metal release system.

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)

24 Vdc | intensive use

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



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



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



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



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



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



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



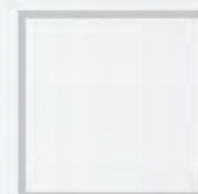
ID.TA
9846019
Warning board.



ESA BASIC
9176108
System that reduces the electrical energy consumption.



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



MADE IN ITALY

| TECHNICAL DATA | BULL10M | BULL10M.S | BULL1024ESA | BULL1024ESA.S |
|-------------------------------|-------------------|-------------------|-------------------|-------------------|
| Code | 9590575 | 9591016 | 9591456 | 9591481 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 230 Vac | 230 Vac | 24 Vdc | 24 Vdc |
| Max absorbed current | 1.6 A | 1.6 A | 1.7 A | 1.7 A |
| Power consumption in stand-by | - | - | 8 mA | 8 mA |
| Max Thrust | 1000 N | 1000 N | 940 N | 940 N |
| Opening speed | 10.5 m/min | 10.5 m/min | 11.7 m/min | 11.7 m/min |
| Operation cycle | 40% | 40% | intensive use | intensive use |
| Protection level | IP44 | IP44 | IP44 | IP44 |
| Magnetic limit switches | NO | YES | NO | YES |
| Operating temperature | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C |
| Max gate weight | 1000 kg | 1000 kg | 1000 kg | 1000 kg |
| Driving gear for rack | M4 Z18 | M4 Z18 | M4 Z18 | M4 Z18 |
| Weight | 18.7 kg | 18.7 kg | 18.7 kg | 18.7 kg |
| Items no. per pallet | 20 | 20 | 20 | 20 |



BULL15M



CONTROL PANELS:

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

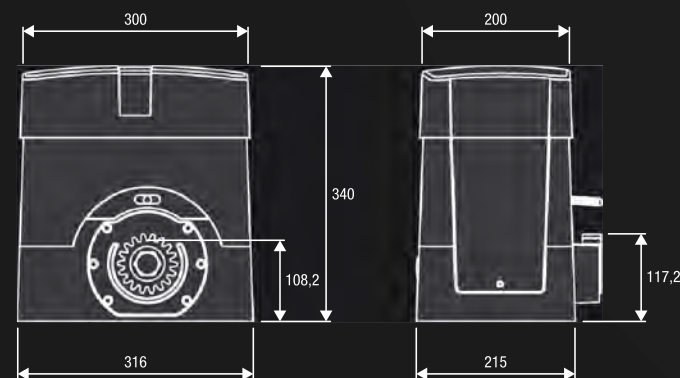
AUTOMATIONS FOR SLIDING GATES COMMERCIAL USE

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



RI.M4Z
9272030
M4 galvanized rack (22x22x2000 mm).

Packaging: 2 pcs



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



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



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



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



ID.TA
9846019

Warning board.



ESA BASIC
9176108

System that reduces the electrical energy consumption.



MADE IN ITALY

| TECHNICAL DATA | BULL15M | BULL15M.S |
|-----------------------------|-------------------|-------------------|
| Code | 9590576 | 9591017 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 230 Vac | 230 Vac |
| Max absorbed current | 2.5 A | 2.5 A |
| Max Thrust | 1250 N | 1250 N |
| Opening speed | 10.5 m/min | 10.5 m/min |
| Operation cycle | 60% | 60% |
| Protection level | IP44 | IP44 |
| Magnetic limit switches | NO | YES |
| Operating temperature | -20°C /+50°C | -20°C /+50°C |
| Max gate weight | 1500 kg | 1500 kg |
| Driving gear for rack | M4 Z18 | M4 Z18 |
| Weight | 20.1 kg | 20.1 kg |
| Items no. per pallet | 20 | 20 |



BULL20M / BULL20T

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

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



CONTROL PANELS:

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

DESCRIPTION

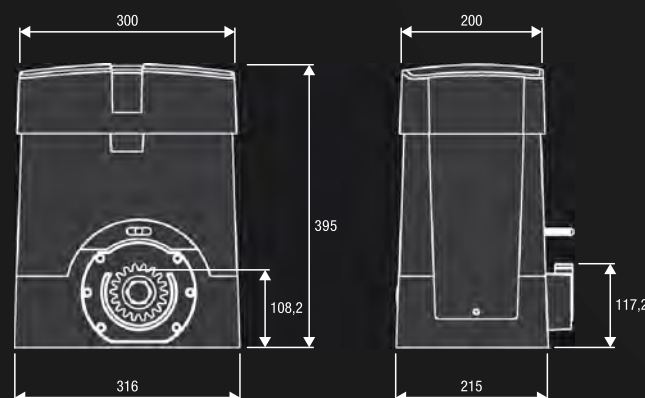
Irreversible electromechanical geared motor available in 230 Vac single phase or 400 Vac three phase version, self ventilated. Full metal release system.

230 Vac

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

400 Vac

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



| | | | | | |
|--|--|--|---|---|---|
| | | | | | |
| RI.M4F 9272010 M4 rack 30x12x1000mm slotted and galvanized. Supplied with M6 metric screws and threaded spacers. Packaging: 4 pcs | RI.M4Z 9272030 M4 galvanized rack (22x22x2000 mm). Packaging: 2 pcs | RI.M6Z 9272040 M6 galvanized rack 30x30x2000 mm. (needs the RI.P6 accessory to work). | RI.P6 9630001 M6 gear. It needs the rack RI.M6Z. | BULL.PI 9623005 Raised foundation plate. 280 x 170, n.4 Ø 11 floor brackets, 269 x 106 n.4 M10 screws for motor. | SB.BULL20.F 9747026 Externally fitted anti-intrusion cable unlock device (L=4.5m). |
| | | | | | |
| RF.SUN 9409015 Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176) | RF 9409016 Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176) | SC.RF 9409014 Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176) | ID.TA 9846019 Warning board. | ESA BASIC 9176108 System that reduces the electrical energy consumption. | |
| | | | | | |

MADE IN ITALY

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



BISON20 OM



CONTROL PANELS:

BISON20 OM — CP.BISON OM p.130

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

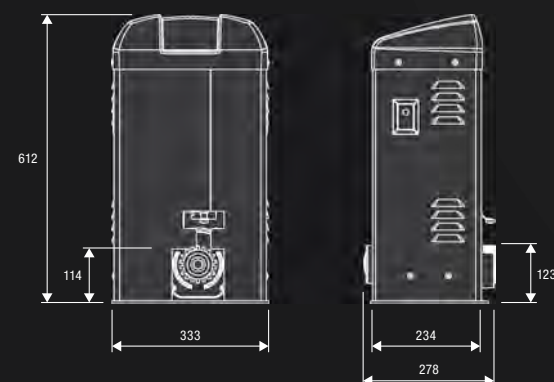
- control unit with built-in receiver and magnetic encoder
- oil submerged gear
- IP68 limit switch
- personalised release key
- up to 2,000 kg**



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

MADE IN ITALY



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



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



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



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



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



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



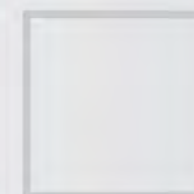
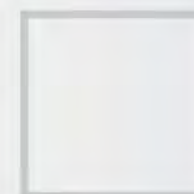
SC.RF
9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)



ID.TA
9846019
Warning board.



ESA BASIC
9176108
System that reduces the electrical energy consumption.



TECHNICAL DATA

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



BISON25 OTI



CONTROL PANELS:

BISON25 OTI — CP.BISON OTI p.133

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

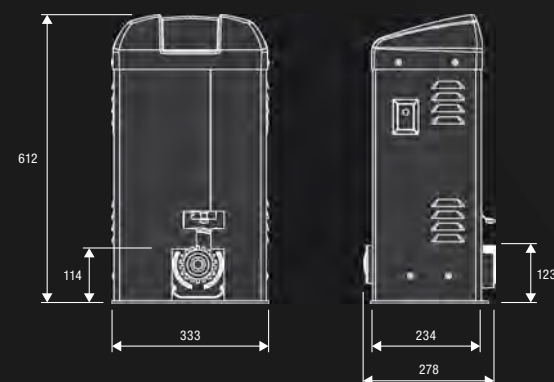
- control unit with built-in receiver, magnetic encoder and inverter
- oil submerged gear
- IP68 limit switch
- personalised release key
- up to 2,500 kg**



230 Vac

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

MADE IN ITALY



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



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



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



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



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



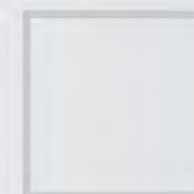
RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)



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



ID.TA
9846019
Warning board.



| TECHNICAL DATA | BISON25 OTI |
|-----------------------------|-------------------|
| Code | 9591449 |
| Power supply | 230 Vac (50-60Hz) |
| Motor supply | ≈ 230 Vac |
| Max absorbed current | 8 A |
| Max Thrust | 2500 N |
| Opening speed | reg. 7-19 m/min |
| Operation cycle | intensive use |
| Protection level | IP44 |
| Operating temperature | -20°C / +50°C |
| Lubrication | OIL |
| Max gate weight | 2500 kg |
| Driving gear for rack | M4 Z18 |
| Weight | 31 kg |
| Items no. per pallet | 6 |



BISON35 OTI



CONTROL PANELS:

BISON35 OTI — CP.BISON OTI p.133

BISON35 OTI L — CP.BISON OTI L p.131

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

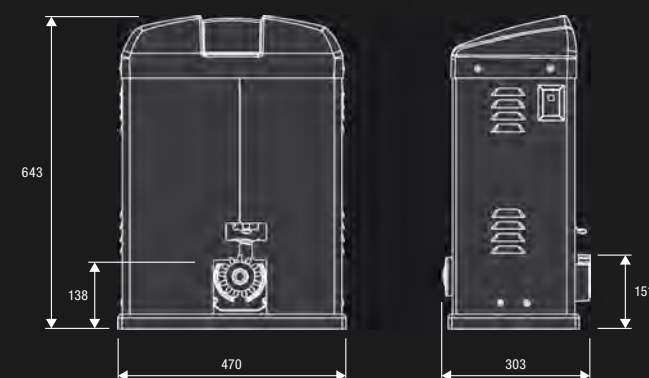
- control unit with built-in receiver, magnetic encoder and inverter
- oil submerged gear
- IP68 limit switch
- personalised release key
- up to 3,500 kg**

FOUNDATION PLATE NOT INCLUDED



230 Vac - 400 Vac

- Three phase electromechanical geared motor available in 230 Vac (can be connected to 230 Vac single phase network) or 400 Vac (can be connected to 400 Vac three phase network)
- Ventilated for intensive use
- The encoder device ensures precision in the gate moving phases
- Full metal mechanics and oil lubrication with maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory



RI.M6Z
9272040

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



BISON.P35
9623066

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



FTC.S
9409089

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



RF.SUN
9409015

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



RF
9409016

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



SC.RF
9409014

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



ID.TA
9846019

Warning board.

MADE IN ITALY

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



BISON45 OTI



CONTROL PANELS:

BISON45 OTI — CP.BISON OTI p.133

AUTOMATIONS FOR SLIDING GATES INDUSTRIAL USE

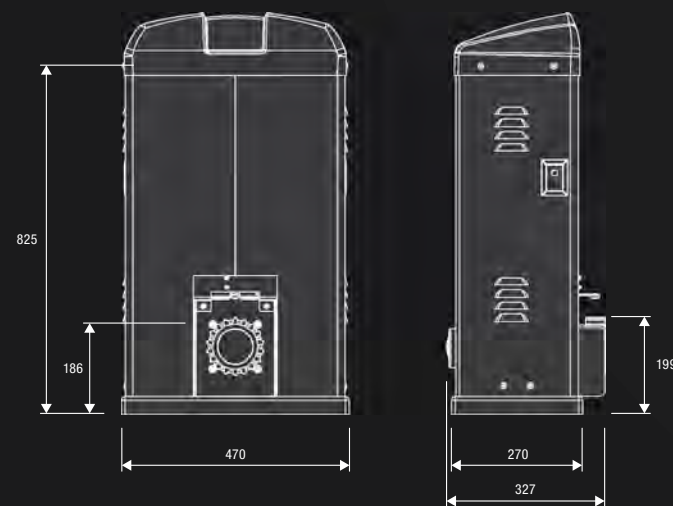
- control unit with built-in receiver, magnetic encoder and inverter
- oil submerged gear
- IP68 limit switch
- personalised release key
- up to 4,500 kg**

FOUNDATION PLATE NOT INCLUDED



400 Vac

- Three phase 400 Vac geared motor, ventilated for intensive use
- Security sensor which interrupts the motor power supply during release operations
- Full metal mechanics and oil lubrication. The type of oil used ensures maximum efficiency even at low temperatures
- Casing protective treatment and paint
- The encoder device ensures precision in the gate moving phases
- The inverter technology allows for more precise adjustment of the gate moving phases, and increased crush prevention security
- Optional built-in FTC.S photocells, available as accessory



RI.M6Z
9272040

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



BISON.P45
9623067

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



FTC.S
9409089

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



RF.SUN
9409015

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



RF
9409016

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



SC.RF
9409014

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



ID.TA
9846019

Warning board.

MADE IN ITALY

TECHNICAL DATA

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



**RESIDENTIAL
COMMERCIAL
USE**



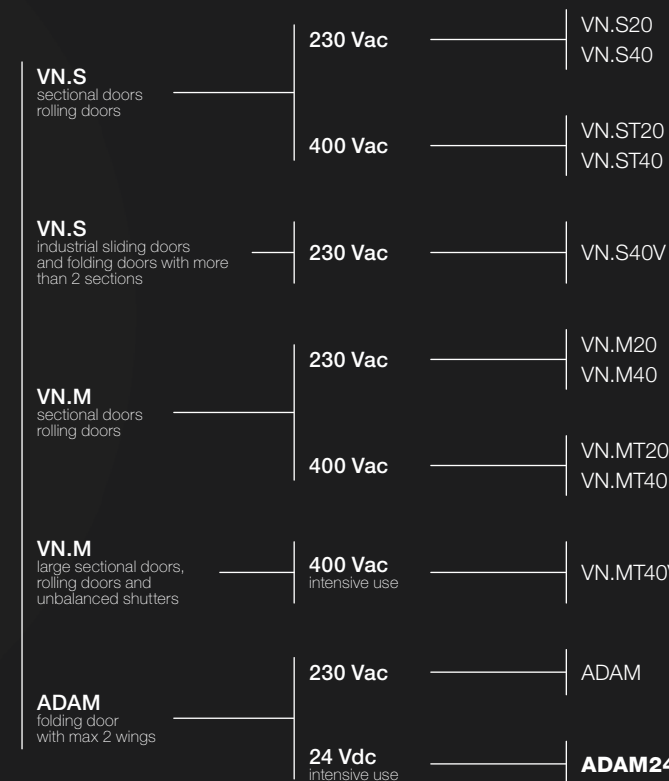
CONTROL PANELS

CP.ZED230-E*
LOGICA
CP.ZED230-E*
LOGICA

CP.ZED24*
LOGICA24.RI

CP.JM3*
CP.J4ESA*
CP.J4ESA*

**INDUSTRIAL
USE**



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



ZED / ZED24

AUTOMATIONS FOR COUNTERWEIGHT GARAGE DOORS RESIDENTIAL/COMMERCIAL USE

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

DESIGNED TO COMPLY WITH EUROPEAN SAFETY STANDARDS.



CONTROL PANELS:

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

DESCRIPTION

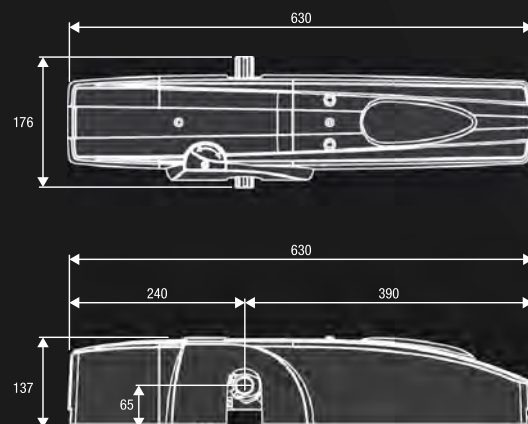
Electromechanical irreversible geared motor for tilt up doors with counterweights for residential use. Available in the 230 Vac and 24 Vdc versions with or without control unit. Courtesy light, limit switch and control buttons built-in.

230 Vac

- Irreversible 230 Vac electromechanical geared motor also available in the ZED.LRIE version for large doors
- The encoder device ensures crush prevention and precision in the door moving phases

24 Vdc | intensive use

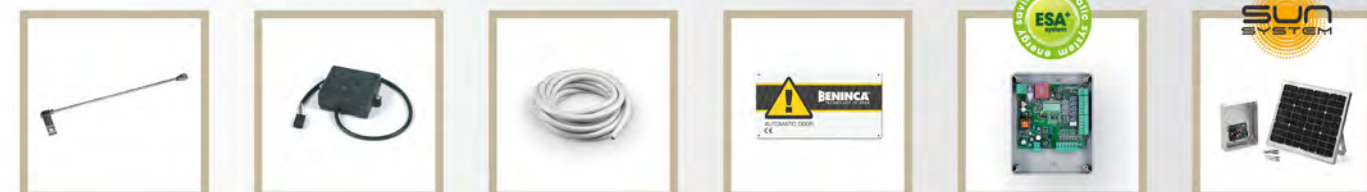
- Irreversible 24 Vdc electromechanical geared motor for intensive use
- Optional battery powered operation
- Amperometric sensor obstacle detection system to prevent crushing



- AU.125** 9623003
1,250 mm Mounting plate.
- AU.65** 9623004
650 mm Mounting plate.
- AU.2.45T** 9868015
Pair of galvanized pipes 150 mm long, with fitting accessories and bush (for lateral mounting).
- AU.45Z** 9868030
AU.45ZL 9868040
Pair of galvanized pipes with bush, L. 1,500 mm. (AU.45), L. 2,000 mm (AU.45ZL) complete of fitting accessories (for central mounting).
- AU2.D45L** 9099055
Pair of straight galvanized arms, with welded bush, complete with fitting accessories (L=2,000 mm).
- AU2.DNS** 9099056
Pair of straight galvanized arms with bush and fitting accessories (L= 600 mm). Welding is not needed (for central mounting).



- AU2.C** 9099057
Pair of bent galvanized arms, complete with fitting accessories.
- AU2.D** 9099058
Pair of straight galvanized arms, complete with fitting accessories (L=600 mm).
- AU2.D45** 9099059
Pair of straight galvanized arms, with welded bush, complete with fitting accessories (L=600 mm).
- AU.45B** 9117010
Bush.
- ZED.MS** 9558001
Wire manual unlock device.
- ZED.E** 9747021
External release unlock device (to be used on lateral mounting).



- ZED.SE** 9747031
Outdoor unlock device (for central mounting).
- MAG.E** 9760021
Magnetic sensor device to detect obstacles and manage deceleration.
- CABLE.24E** 9171002
Cable reel with 5 conductors (2 for motor, 3 for encoder) for connecting the encoder device in the 24 Vdc versions.
L= 100 m.
- ID.TA** 9846019
Warning board.
- ESA BASIC** 9176108
System that reduces the electrical energy consumption. In the 24 Vdc version, the use of ESA BASIC is not compatible with the battery operation.
- KSUN** 9611004
KIT for system operation via solar panel. For 24 Vdc models.

MADE IN ITALY

| TECHNICAL DATA | ZED.RIE | ZED.SC | ZED.LRIE | ZED.LSC | ZED24.RI | ZED24.SC |
|-----------------------|------------------------|------------------------|--------------------------|--------------------------|------------------------|------------------------|
| Code | 9591235 | 9591639 | 9591234 | 9591641 | 9590720 | 9590522 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 230 Vac | 230 Vac | 230 Vac | 230 Vac | 24 Vdc | 24 Vdc |
| Max absorbed current | 1.5 A | 1.5 A | 1.4 A | 1.4 A | 1 A | 8 A |
| Torque | 350 Nm | 350 Nm | 330 Nm | 330 Nm | 260 Nm | 260 Nm |
| Opening time | 14" | 14" | 22" | 22" | 10"/15" | 10"/15" |
| Operation cycle | 30% | 30% | 30% | 30% | intensive use | intensive use |
| Protection level | IP40 | IP40 | IP40 | IP40 | IP40 | IP40 |
| Operating temperature | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C |
| Max door surface | 11 m ² /max | 11 m ² /max | 12,5 m ² /max | 12.5 m ² /max | 10 m ² /max | 10 m ² /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



CONTROL PANELS:

| | | | |
|----------------|-------|-----------------|--------------|
| JM.3 | ————— | CP.J3M | p.140 |
| JM.3ESA | ————— | CP.J4ESA | p.141 |
| JM.4ESA | ————— | CP.J4ESA | p.141 |

AUTOMATIONS FOR SECTIONAL GARAGE DOORS RESIDENTIAL/COMMERCIAL USE

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

RAIL NOT INCLUDED



24 Vdc intensive use

- Irreversible 24 Vdc geared motor for intensive use
- Adjustable travel with mechanical stops
- Amperometric sensor obstacle detection system to prevent crushing
- Operation guaranteed even during electrical power cut, via batteries which integrate perfectly into the motor

- Step by step command ready
- Built-in energy saving LED courtesy light
- The encoder device ensures maximum safety and precision in the door moving phases



| | | | | | |
|--|---|---|--|---|--|
| PTC.3 9667090 Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m (for model JM.3/ESA only). Two pieces 1.5 m each | PTCI.3 9667093 Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m, (for model JM.3/ESA only). Whole piece 3 m long | PTC.4 9667091 Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m (for model JM.3/JM.3ESA/JM.4ESA). Two pieces 1.5 m each | PTCL.4 9667092 Pre-assembled and pre-tightened rail with belt for doors up to H 3.5 m (for model JM.3/JM.3ESA/JM.4ESA). Two pieces 2 m each | PTCI.4 9667094 Pre-assembled and pre-tightened rail with belt for doors up to H 2.5 m (for model JM.3/JM.3ESA/JM.4ESA). Whole piece 3 m long | PTCSXL.4 9667098 Non-assembled rail with belt for doors up to 4.5 m in height (for model JM.3/JM.3ESA/JM.4ESA). 5 parts of 1 m each |
|--|---|---|--|---|--|



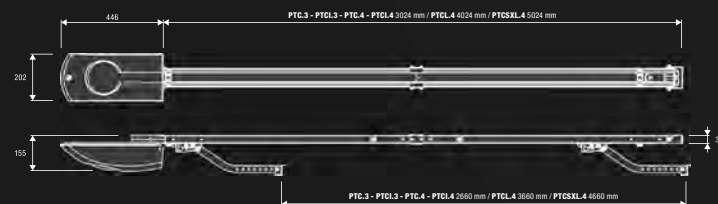
| | | | | | |
|---|---|---|---|--|--|
| PTC.STOP 9387002 Mechanical stop for belt guide (PTCI.3/PTC.3/PTC.4/PTCL.4/PTCI.4/PTCSXL.4). Available in 5 pcs packing. | P25 9667012 Pre-assembled rail with chain, for doors of max H 2.5 m. Two pieces 1.4 m each | P25I 9667014 Fully pre-assembled and pre-tensioned rail with chain, for doors of max H 2.5 m. Whole piece 2.8 m long | P35 9667013 Pre-assembled rail with chain, for doors of max H 3.5 m. Two pieces 1.8 m each | AU.C25 9099021 Swinging arm for tilt up doors. One mechanical stop for belt guide included. | JK.UL 9747065 Outside key lock for sectional gates. |
|---|---|---|---|--|--|



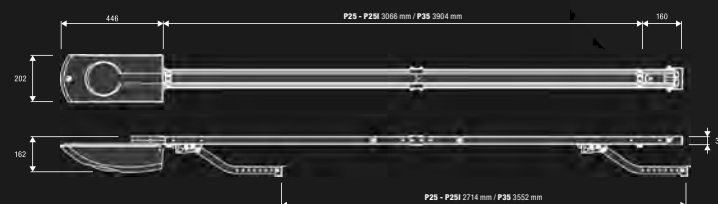
| | | | | | |
|--|---|---|---|--|--|
| ZED.MS 9558001 Wire manual unlock device. | PTC.AR 9623399 Bracket for fast ceiling attachment of JIM belt models (PTC). Available in 5 pcs packing. | ID.TA 9846019 Warning board. | ESA BASIC 9176108 System that reduces the electrical energy consumption. In the JM.3 model, the use of ESA BASIC is not compatible with the battery operation. | KSUN 9611004 KIT for system operation via solar panel. For 24 Vdc models. | |
|--|---|---|---|--|--|

MADE IN ITALY

WITH BELT RAIL



WITH CHAIN RAIL



COMPATIBILITY CHART

| | RAIL | JM.3 | JM.3ESA | JM.4ESA |
|-------------|----------|------|---------|---------|
| BELT | PTC.3 | ✓ | ✓ | ✗ |
| | PTC.4 | ✓ | ✓ | ✓ |
| | PTCI.3 | ✓ | ✓ | ✗ |
| | PTCL.4 | ✓ | ✓ | ✓ |
| | PTCI.4 | ✓ | ✓ | ✓ |
| | PTCSXL.4 | ✓ | ✓ | ✓ |

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

✓ Compatible ✗ Not Compatible

TECHNICAL DATA

| | JM.3 | JM.3ESA | JM.4ESA |
|-------------------------------|-------------------------|-------------------------|-------------------------|
| Code | 9590683 | 9591458 | 9591368 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 24 Vdc | 24 Vdc | 24 Vdc |
| Max absorbed current | 0.7 A | 0.7 A | 1.5 A |
| Power consumption in stand-by | 60 mA | 8 mA | 8 mA |
| Thrust | 600 N | 600 N | 1200 N |
| Opening speed | 8.9 m/1' | 8.9 m/1' | 8.9 m/1' |
| Operation cycle | intensive use | intensive use | intensive use |
| Protection level | IP 40 | IP 40 | IP 40 |
| Operating temperature | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C |
| Max door surface | 11 m ² /max | 11 m ² /max | 22 m ² /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



CONTROL PANELS:

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

AUTOMATIONS FOR SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

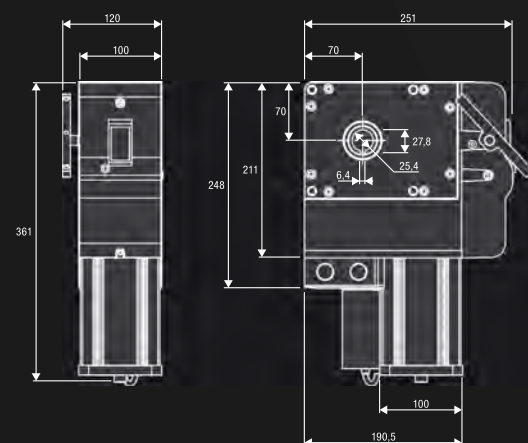
up to 40 m²

ON DEMAND THE OPERATORS CAN BE EQUIPPED WITH ELECTRIC BRAKE



230 Vac - 400 Vac

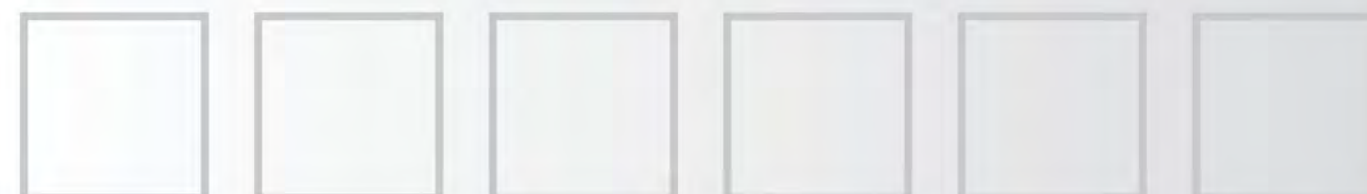
- Irreversible electromechanical geared motor with rapid release available in the single phase 230 Vac and three phase 400 Vac version
- Models with a reduction ratio of 1/20 or 1/40 are available for both versions, to cater for different application needs
- Two accessories are available for the chain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



- VN.A30** 9004005
Shaft adapter Ø 30 mm.
- VN.A3175** 9004004
Shaft adapter Ø 31.75 mm.
- VN.A40** 9004006
Shaft adapter Ø 40 mm.
- VN.RV** 9520016
Transmission set 1:1.8 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and 138.4 mm and chain L = 1 m.
- VN.RM** 9520015
Transmission set 1:1 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and chain L = 1 m.
- IPB.NO** 9670051
Industrial keypad fitted with 2 contacts that are normally open.



- IPB.NC** 9670050
Industrial keypad fitted with a contact that is normally open and a contact normally closed.
- RF.SUN** 9409015
Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge. (Technical features on p. 176)
- RF** 9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)
- SC.RF** 9409014
Device powered at 12/24 Vdc with self-test function and 2 outputs for connection to the electronic control panels. (Technical features on p. 176)
- ESA BASIC** 9176108
System that reduces the electrical energy consumption.



MADE IN ITALY

| TECHNICAL DATA | VN.S20 | VN.S40 | VN.ST20 | VN.ST40 |
|--------------------------|------------------------|------------------------|------------------------|------------------------|
| Code | 9590240 | 9590242 | 9590241 | 9590243 |
| Motor supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | ≈ 400 Vac (50-60Hz) | ≈ 400 Vac (50-60Hz) |
| Max absorbed current | 3.3 A | 3.3 A | 1.7 A | 1.7 A |
| Max torque | 130 Nm | 130 Nm | 180 Nm | 180 Nm |
| Maximum output rotations | 18 | 38 | 18 | 38 |
| Output speed | 24 r.p.m. | 24 r.p.m. | 24 r.p.m. | 24 r.p.m. |
| Shaft hole | 1" (25.4mm) | 1" (25.4mm) | 1" (25.4mm) | 1" (25.4mm) |
| Limit switch red. ratio | 1/20 | 1/40 | 1/20 | 1/40 |
| Operation cycle | 30% | 30% | 50% | 50% |
| Protection level | IP40 | IP40 | IP40 | IP40 |
| Operating temperature | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C |
| Max door surface | 35 m ² /max | 35 m ² /max | 40 m ² /max | 40 m ² /max |
| Lubrication | OIL | OIL | OIL | OIL |
| Weight | 14.7 kg | 14.7 kg | 14.7 kg | 14.7 kg |
| Items no. per pallet | 48 | 48 | 48 | 48 |



VN.M

AUTOMATIONS FOR SECTIONAL DOORS AND ROLLING DOORS INDUSTRIAL USE

up to 40 m²

WITH MANUAL EMERGENCY CHAIN OVERRIDE

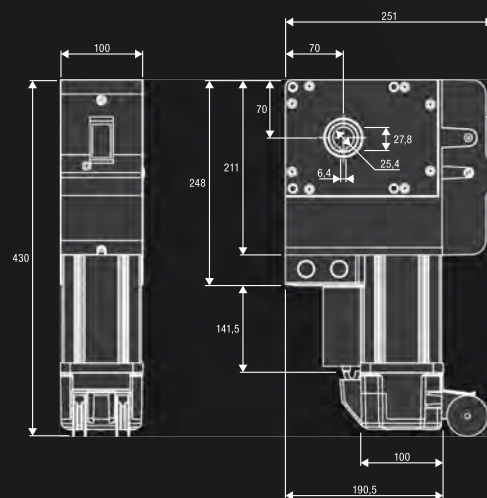


CONTROL PANELS:

| | | |
|---------|---------------------|-------------------------|
| VN.M20 | THINK START | p.119 p.120 |
| VN.M40 | THINK START | p.119 p.120 |
| VN.MT20 | THINK START WAVE | p.119 p.120 p.121 |
| VN.MT40 | THINK START WAVE | p.119 p.120 p.121 |

230 Vac - 400 Vac

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



VN.A30
9004005
Shaft adapter Ø 30 mm.



VN.A3175
9004004
Shaft adapter Ø 31.75 mm.



VN.A40
9004006
Shaft adapter Ø 40 mm.



VN.RV
9520016
Transmission set 1:1.8 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and 138.4 mm and chain L = 1 m.



VN.RM
9520015
Transmission set 1:1 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and chain L = 1 m.



VN.CTA
9162011
Chain extension for VN.M.



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



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



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



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



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



ESA BASIC
9176108
System that reduces the electrical energy consumption.

MADE IN ITALY

| TECHNICAL DATA | VN.M20 | VN.M40 | VN.MT20 | VN.MT40 |
|--------------------------|------------------------|------------------------|------------------------|------------------------|
| Code | 9590235 | 9590237 | 9590236 | 9590238 |
| Motor supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) | ≈ 400 Vac (50-60Hz) | ≈ 400 Vac (50-60Hz) |
| Max absorbed current | 3.3 A | 3.3 A | 1.7 A | 1.7 A |
| Max torque | 130 Nm | 130 Nm | 180 Nm | 180 Nm |
| Maximum output rotations | 18 | 38 | 18 | 38 |
| Output speed | 24 r.p.m. | 24 r.p.m. | 24 r.p.m. | 24 r.p.m. |
| Shaft hole | 1" (25.4mm) | 1" (25.4mm) | 1" (25.4mm) | 1" (25.4mm) |
| Limit switch red. ratio | 1/20 | 1/40 | 1/20 | 1/40 |
| Operation cycle | 30% | 30% | 50% | 50% |
| Protection level | IP40 | IP40 | IP40 | IP40 |
| Operating temperature | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C | -20°C /+50°C |
| Max door surface | 35 m ² /max | 35 m ² /max | 40 m ² /max | 40 m ² /max |
| Lubrication | OIL | OIL | OIL | OIL |
| Weight | 18.5 kg | 18.5 kg | 18.5 kg | 18.5 kg |
| Items no. per pallet | 48 | 48 | 48 | 48 |



VN.MT40V



CONTROL PANELS:

VN.MT40V

THINK
START
WAVE

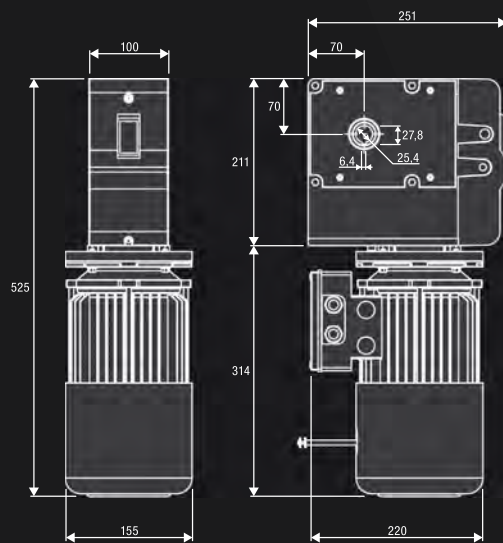
p.119
p.120
p.121

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



400 Vac

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



VN.A30
9004005
Shaft adapter Ø 30 mm.



VN.A3175
9004004
Shaft adapter Ø 31.75 mm.



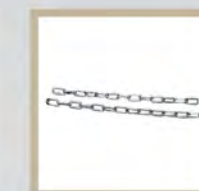
VN.A40
9004006
Shaft adapter Ø 40 mm.



VN.RV
9520016
Transmission set 1:1.8 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and 138.4 mm and chain L = 1 m.



VN.RM
9520015
Transmission set 1:1 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and chain L = 1 m.



VN.CTA
9162011
Chain extension for VN.M.



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



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



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



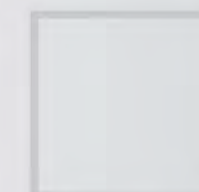
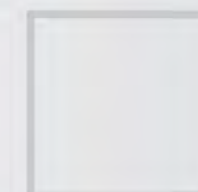
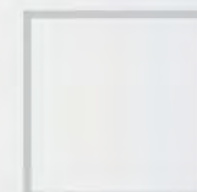
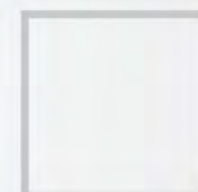
RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)



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



Empty box placeholder



MADE IN ITALY

TECHNICAL DATA

| | VN.MT40V |
|--------------------------|---------------------|
| Code | 9590377 |
| Motor supply | ≈ 400 Vac (50-60Hz) |
| Max absorbed current | 2.2 A |
| Max torque | 340 Nm |
| Maximum output rotations | 38 |
| Output speed | 24 r.p.m. |
| Shaft hole | 1" (25.4mm) |
| Limit switch red. ratio | 1/40 |
| Operation cycle | intensive use |
| Protection level | IP40 |
| Operating temperature | -20°C / +50°C |
| Lubrication | OIL |
| Weight | 23 kg |
| Items no. per pallet | 30 |



VN.S40V



CONTROL PANELS:

VN.S40V

THINK
START
CELL.P
p.119
p.120
p.117

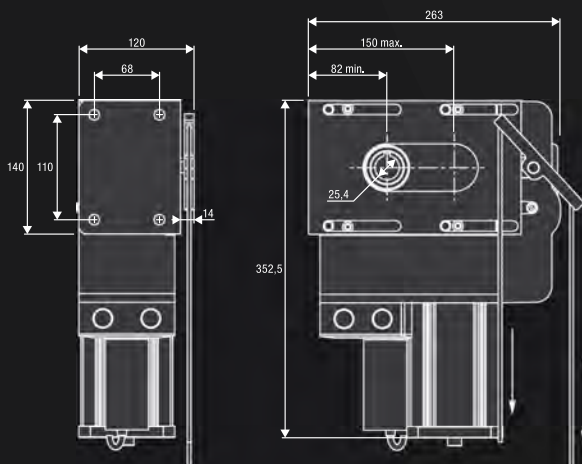
AUTOMATIONS FOR INDUSTRIAL SLIDING DOORS AND FOLDING DOORS WITH MORE THAN 2 SECTIONS INDUSTRIAL USE



230 Vac

- 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

MADE IN ITALY



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



VN.GT
9424010
Joint for chain VN.CT.



VN.T
9857016
Chain tightener.



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



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



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



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



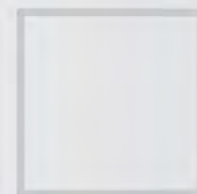
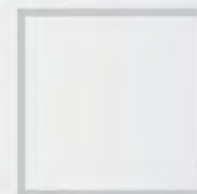
RF
9409016
Device with a non rechargeable battery, with guaranteed duration 2 years. (Technical features on p. 176)



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



ESA BASIC
9176108
System that reduces the electrical energy consumption.



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 |



ADAM / ADAM24



CONTROL PANELS:

ADAM ———→ BRAINY p.112

ADAM24 ———→ BRAINY24 p.122

AUTOMATIONS FOR FOR FOLDING DOOR WITH MAX 2 WINGS INDUSTRIAL USE

with built-in encoder device



DESCRIPTION

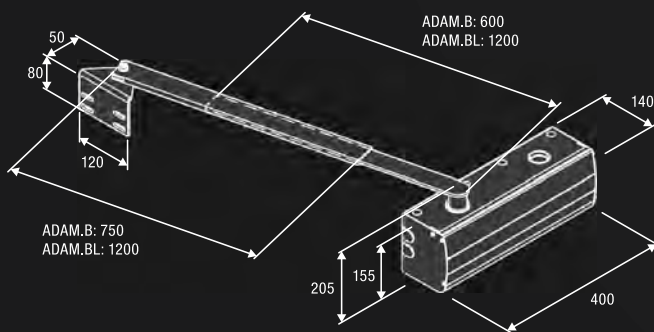
Irreversible electromechanical geared motor available in 230 Vac or 24 Vdc with encoder. Simple and quick to install, equipped with wire quick release. Accessory for led courtesy lights available.

230 Vac

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

24 Vdc | intensive use

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



ADAM.B
9099004
Galvanized telescopic arm with welded bush, complete with fixing accessories (L=600 mm).



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



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



VN.MS
9558010
Accessory for unlock device with handle.



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



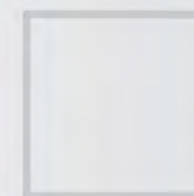
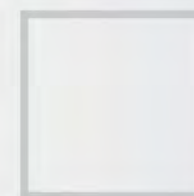
ID.TA
9846019
Warning board.



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



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



MADE IN ITALY

| TECHNICAL DATA | ADAM | ADAM.24 |
|-----------------------------|-------------------|-------------------|
| Code | 9591905 | 9591906 |
| Power supply | 230 Vac (50-60Hz) | 230 Vac (50-60Hz) |
| Motor supply | 230 Vac | 24 Vdc |
| Max absorbed current | 1.75 A | 8 A |
| Torque | 350 Nm | 260 Nm |
| Operation cycle | 30% | intensive use |
| Protection level | IP44 | IP44 |
| Operating temperature | -20°C /+50°C | -20°C /+50°C |
| Leaf max dimension | 1.5 m | 1.3 m |
| Leaf max weight | 120 kg | 100 kg |
| Weight | 12.4 kg | 11.2 kg |
| Items no. per pallet | 24 | 24 |



ROAD BARRIERS

| | | |
|-----------------------|-------------------------|-------------------|
| LADY up to 4 m | 24 Vdc intensive use | LADY LADY.I |
| LADY.5 up to 5 m | 24 Vdc intensive use | LADY.5 LADY.5I |
| EVA.5 up to 5 m | 24 Vdc intensive use | EVA.5 |
| VE.500 up to 5 m | 24 Vdc intensive use | VE.500 |
| VE.650 up to 6.5 m | 24 Vdc intensive use | VE.650 VE650I |
| EVA.7 up to 7 m | 24 Vdc intensive use | EVA.7 |

CONTROL PANELS

- DA.24V*
- DA.24V*
- DA.24V*
- DA.24V*
- CP.EVA*
- DA.24V*
- DA.24V*
- 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



CONTROL PANELS:

EVA.5 ——— CP.EVA p.142

ROAD BARRIERS

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

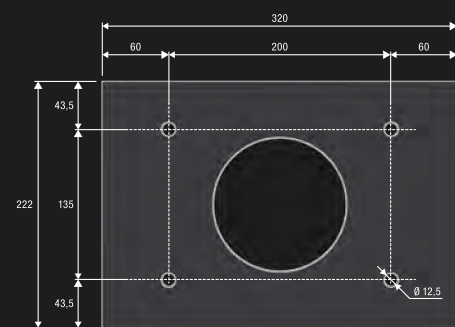
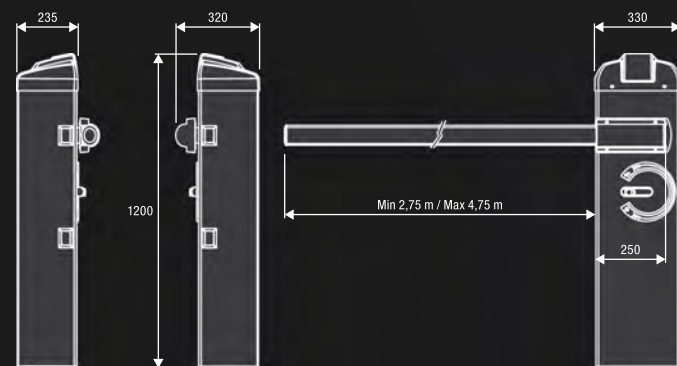
FOUNDATION PLATE AND RECEIVER NOT INCLUDED



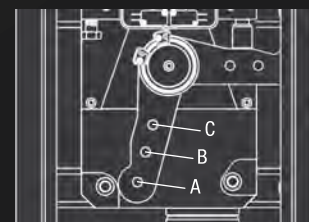
24 Vdc intensive use

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

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



VE.PS



ACCESSORIES FOR USE

| | BAR LENGHT (m) | | | | |
|--------------------------|----------------|-----|---|-----|---|
| | 3 | 3.5 | 4 | 4.5 | 5 |
| EVA5.A | C | C | B | B | A |
| EVA5.A + VE.RAST | C | B | B | A | A |
| EVA5.A + VE.AM | C | C | B | B | A |
| EVA5.A + VE.RAST + VE.AM | C | B | B | A | A |
| EVA5.A + SC.RES | C | B | B | A | A |
| EVA5.A + SC.RES + VE.AM | C | B | B | A | A |

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.

| | | | | | |
|---|---|--|---|---|--|
| | | | | | |
| EVA5.A 9081005 Elliptical arm of painted aluminium complete with cap and anti-collision rubber profile. (L. 5m) Available in two pieces with joint (EVA5.2A). | EVA5.G 9424002 Aluminium joint for EVA5.2A. | VE.PS 9623068 Foundation plate with coach screws for EVA.5. | VE.TERM 9864010 Thermostat for very cold places. | VE.AM 9078020 Mobile support for bars. | VE.RAST 9672010 Aluminium rack L= 2 m. H= 60 cm |
| | | | | | |
| EVA.AF 9078035 Painted fixed support. | EVA.L 9534002 Flashing light set for EVA5.A. | EVA.SUP 9819035 Support for EVA internal accessories. | VE.KM1HN 9614267 VE.KM2HN 9614268 Single/two-channel loop detector. | VE.GS 9760050 Traffic-light control unit for LED.TL. | LED.TL 9766003 2 light 230 Vac LED traffic light. |
| | | | | | |
| EVA.LAMP 9534003 Circuit for EVA.5 / EVA.7 flashing light. | EVA.CAT5 9549030 Set of 20 adhesive refractor strips for EVA5.A. | ESA BASIC 9176108 System that reduces the electrical energy consumption. In the EVA.5 model, the use of ESA BASIC is not compatible with the battery operation. | KSUN 9611004 KIT for system operation via solar panel. For 24 Vdc models. | | |

MADE IN ITALY

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 |



EVA.7



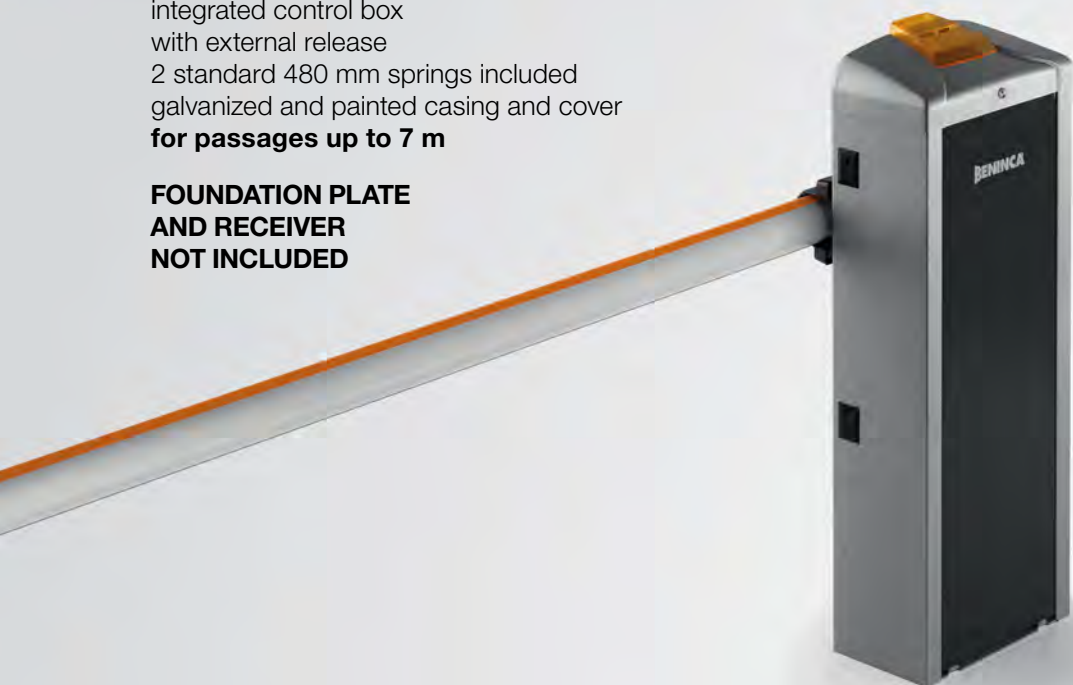
CONTROL PANELS:

EVA.7 — CP.EVA p.142

ROAD BARRIERS

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

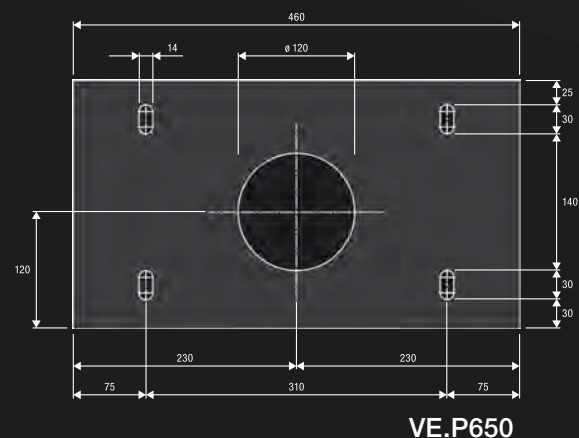
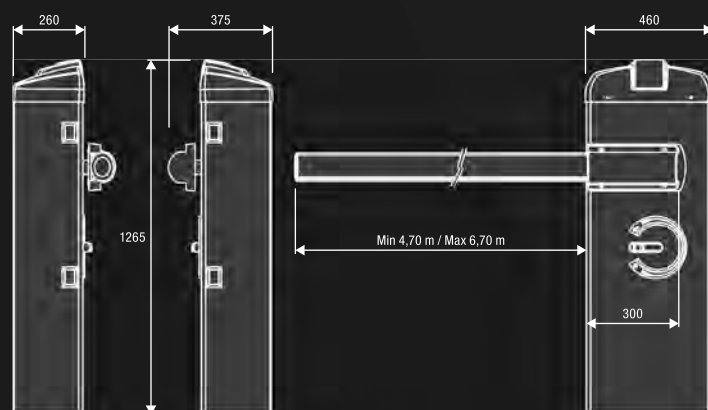
FOUNDATION PLATE AND RECEIVER NOT INCLUDED



24 Vdc intensive use

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

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



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



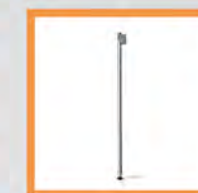
EVA7.G
9424003
Aluminium joint for EVA7.2A.



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



VE.TERM
9864010
Thermostat for very cold places.



VE.AM
9078020
Mobile support for bars.



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



EVA.AF
9078035
Painted fixed support.



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



EVA.SUP
9819035
Support for EVA internal accessories.



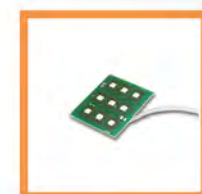
VE.KM1HN
9614267
VE.KM2HN
9614268
Single/two-channel loop detector.



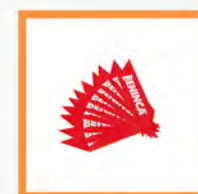
VE.GS
9760050
Traffic-light control unit for LED.TL.



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



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



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



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



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



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

MADE IN ITALY

WITHOUT ACCESSORIES

| BAR LENGTH (m) | TYPE OF SPRING | APPROX TENSIONING OF THE SPRING (mm) | |
|----------------|--------------------------|--------------------------------------|-----------------|
| | | EVA.KM | STANDARD SPRING |
| 5 | Standard spring | --- | 35 |
| 5.5 | Standard spring | --- | 90 |
| 6 | EVA.KM + Standard spring | 31 | 15 |
| 6.5 | N° 2 Standard springs | --- | 5 / 5 |
| 7 | N° 2 Standard springs | --- | 35 / 35 |

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

| BAR LENGTH (m) | TYPE OF SPRING | APPROX TENSIONING OF THE SPRING (mm) | |
|----------------|--------------------------|--------------------------------------|-----------------|
| | | EVA.KM | STANDARD SPRING |
| 5 | Standard spring | --- | 100 |
| 5.5 | EVA.KM + Standard spring | 52 | 138 |
| 6 | N° 2 Standard springs | --- | 20 / 20 |
| 6.5 | N° 2 Standard springs | --- | 65 / 65 |
| 7 | --- | --- | --- |

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 |

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.



LADY



CONTROL PANELS:

LADY — DA.24V p.143

ROAD BARRIERS

integrated control box
for passages up to 4 m

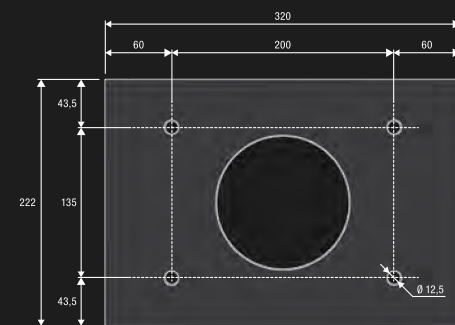
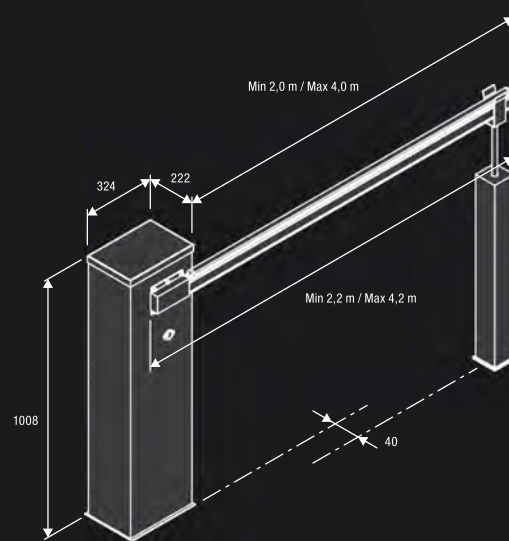
FOUNDATION PLATE
AND RECEIVER
NOT INCLUDED



24 Vdc intensive use

- Electromechanical 24 Vdc right barrier for intensive use. The barrier can be easily converted to left operation
- Manual release with external activation
- Optional built-in FTC.S photocells thanks to the innovative hide-away system that allows for their perfect integration
- 2 adjustable mechanical stops
- Optional battery powered operation

- Amperometric sensor obstacle detection system to prevent crushing
- Three adjustable limit switches for the braking phases and the closure position
- Stainless steel version LADY.I available
- Simple, quick and reliable rod balancing system
- Foundation plate accessory with VE.PS coach screws



VE.PS



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



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



LADY.GT
9424001
Aluminium joint for LADY.A.



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



VE.TERM
9864010
Thermostat for very cold places.



VE.AM
9078020
Mobile support for bars.



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



VE.AF
9078010
VE.AFI
9078015
Painted/ Stainless steel fixed support for bars.



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



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



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



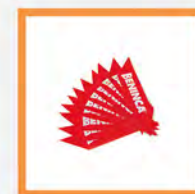
VE.KM1HN
9614267
VE.KM2HN
9614268
Single/two-channel loop detector.



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



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



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



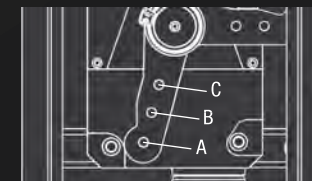
ESA BASIC
9176108
System that reduces the electrical energy consumption. In the LADY model, the use of ESA BASIC is not compatible with the battery operation.



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



MADE IN ITALY



| ACCESSORIES FOR USE | BAR LENGHT (m) | | | | |
|---------------------------------------|----------------|-----|-----|-----|-----|
| | 2.2 | 2.7 | 3.2 | 3.7 | 4.2 |
| No accessories | C | C | C | B | A |
| LADY.P (only upper) | C | C | B | B | A |
| LADY.P (upper and lower) | C | C | B | B | A |
| VE.RAST | C | B | B | A | --- |
| LADY.P (only upper) + VE.RAST | C | B | B | A | --- |
| LADY.P (only upper) + VE.AM | C | B | B | A | A |
| LADY.P (upper and lower) + VE.AM | C | B | B | A | --- |
| LADY.P (only upper) + VE.RAST + VE.AM | C | B | A | --- | --- |
| SC.RES | C | B | B | A | --- |
| LADY.P (only upper) + SC.RES | C | B | A | A | --- |
| SC.RES + VE.AM | C | B | A | A | --- |
| LADY.P (only upper) + SC.RES + VE.AM | C | B | A | --- | --- |

The installation of the VE.RAST interferes with the use of the SC.RES and vice versa.
The installation of the LADY.L lights kit does not influence the balancing of the bar.

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



LADY.5



CONTROL PANELS:

LADY.5 — DA.24V p.143

ROAD BARRIERS

integrated control box
for passages up to 5 m

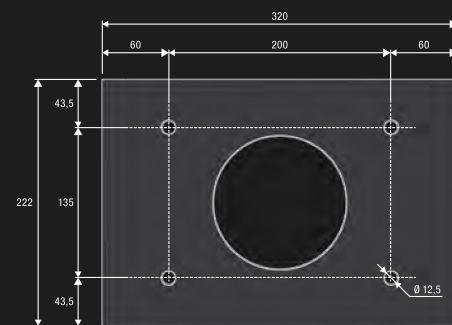
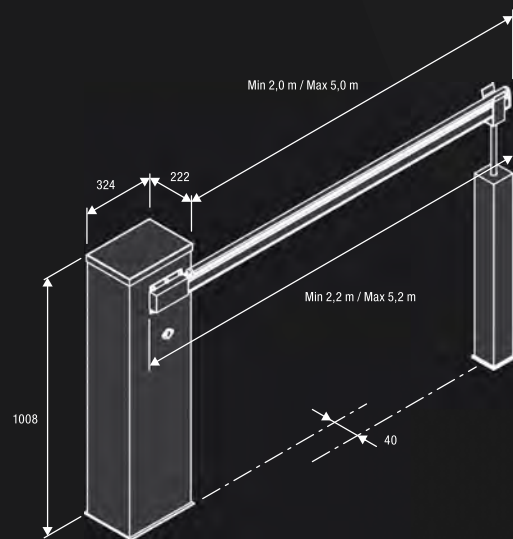
FOUNDATION PLATE
AND RECEIVER
NOT INCLUDED



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



VE.PS



LADY.P5
9081027

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



VE.PS
9623068

Foundation plate with coach screws for LADY.5.



VE.TERM
9864010

Thermostat for very cold places.



VE.AM
9078020

Mobile support for bars.



VE.RAST
9672010

Aluminium rack L= 2 m. H= 60 cm



VE.AF
9078010

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



LADY.COL
9230001

Support for the installation of a second pair of photocell.



LADY.SN
9780001

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



LADY.L
9534001

Flashing light set for LADY.P5.



VE.KM1HN
9614267

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



VE.CS
9760050

Traffic-light control unit for LED.TL.



LED.TL
9766003

2 light 230 Vac LED traffic light.



VE.CAT500
9549020

Set of 20 adhesive refractor strips for LADY.P5.



ESA BASIC
9176108

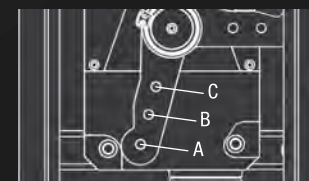
System that reduces the electrical energy consumption. In the LADY.5 model, the use of ESA BASIC is not compatible with the battery operation.



KSUN
9611004

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

MADE IN ITALY



ACCESSORIES FOR USE

| | BAR LENGHT (m) | | | | | | |
|---------------------------------------|----------------|-----|-----|-----|-----|-----|-----|
| | 2.2 | 2.7 | 3.2 | 3.7 | 4.2 | 4.7 | 5.2 |
| No accessories | --- | C | C | B | B | B | A |
| LADY.P (only upper) | C | C | C | B | B | A | A |
| LADY.P (upper and lower) | C | C | C | B | B | A | A |
| VE.RAST | C | C | B | B | A | A | --- |
| LADY.P (only upper) + VE.RAST | C | C | B | A | A | --- | --- |
| LADY.P (only upper) + VE.AM | C | C | C | B | A | A | A |
| LADY.P (upper and lower) + VE.AM | C | C | B | B | A | A | --- |
| LADY.P (only upper) + VE.RAST + VE.AM | C | B | B | A | A | --- | --- |
| SC.RES | C | C | B | B | A | A | --- |
| LADY.P (only upper) + SC.RES | C | C | B | A | A | --- | --- |
| SC.RES + VE.AM | C | B | B | A | A | --- | --- |
| LADY.P (only upper) + SC.RES + VE.AM | C | B | B | A | A | --- | --- |
| VE.RAST + VE.AM | C | B | B | A | A | --- | --- |

The installation of the VE.RAST interferes with the use of the SC.RES and vice versa.
The installation of the LADY.L lights kit does not influence the balancing of the bar.

TECHNICAL DATA

| | LADY.5 |
|-----------------------|-------------------|
| Code | 9083052 |
| Power supply | 230 Vac (50-60Hz) |
| Motor supply | 24 Vdc |
| Max absorbed current | 1.6 A |
| Torque | 205 Nm |
| Opening time | 3" - 5" |
| Operation cycle | intensive use |
| Protection level | IP44 |
| Operating temperature | -20°C /+50°C |
| Weight | 52 kg |
| Items no. per pallet | 9 |



VE.500



CONTROL PANELS:

VE.500 — DA.24V p.143

ROAD BARRIERS

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

FOUNDATION PLATE AND RECEIVER NOT INCLUDED

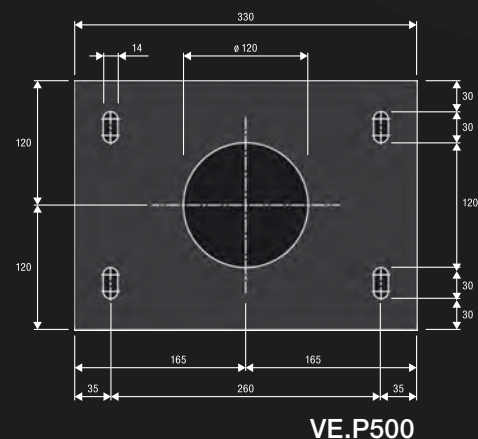
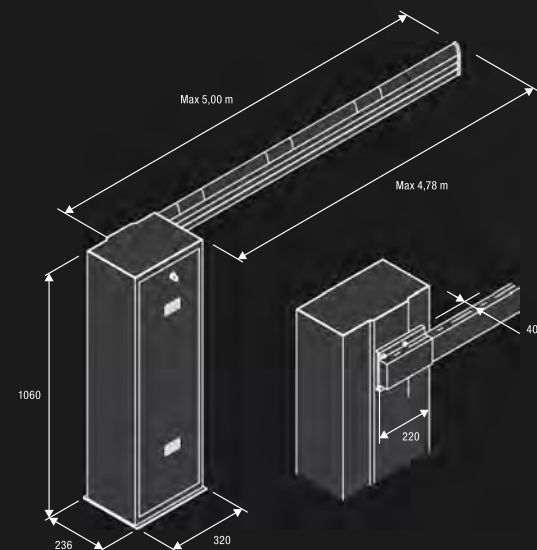


RAL 2009

24 Vdc intensive use

- Electromechanical 24 Vdc right barrier for intensive use. The barrier can be easily converted to left operation
- Optional built-in FTC.S photocells thanks to the innovative hide-away system that allows for their perfect integration
- 2 adjustable mechanical stops
- Optional battery powered operation

- Amperometric sensor obstacle detection system to prevent crushing
- Three adjustable limit switches for the braking phases and the closure position
- Foundation plate accessory with VE.P500 coach screws



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

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

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

VE.GT70 9424005
Aluminium joint for VE.C500.

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

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

VE.TERM 9864010
Thermostat for very cold places.



VE.AM 9078020
Mobile support for bars.

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

VE.AF 9078010
VE.AFI 9078015
Painted/ Stainless steel fixed support for bars.

VE.KMB 9576190
VE.KMG/N 9576210 / 9576220
Spring for VE.500 yellow, neutral or white.

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

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

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



VE.KM1HN 9614267
VE.KM2HN 9614268
Single/two-channel loop detector.

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

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

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

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

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

MADE IN ITALY

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

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

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

VE.500 ROAD BARRIERS & CAR PARK SAVER

BENINCA



VE.650



CONTROL PANELS:

VE.650 — DA.24V p.143

ROAD BARRIERS

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

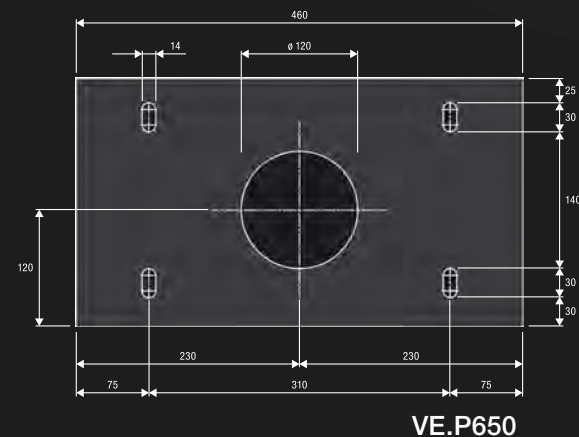
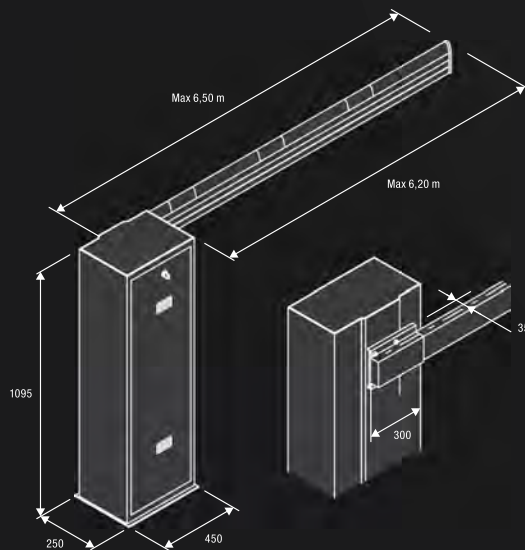
FOUNDATION PLATE
AND RECEIVER
NOT INCLUDED



24 Vdc intensive use

- Electromechanical 24 Vdc right barrier for intensive use. The barrier can be easily converted to left operation
- Optional built-in FTC.S photocells thanks to the innovative hide-away system that allows for their perfect integration
- 2 adjustable mechanical stops
- Optional battery powered operation

- Amperometric sensor obstacle detection system to prevent crushing
- Three adjustable limit switches for the braking phases and the closure position
- Stainless steel version VE.650I available
- Foundation plate accessory with VE.P650 coach screws



| | | | | | |
|--|--|--|---|---|--|
| | | | | | |
| VE.650A 9081030 6,5 m white painted, aluminium arm. Caps are included (6500x100x40). For VE.650/I. Available in two pieces needs the joint (VE.GT24). | VE.C650 9081026 Ø 90 mm white painted aluminium round section arm. Caps are included L=6500mm. Suitable for very windy places. Available in two pieces needs the joint (VE.GT90). | VE.GT24 9424035 Aluminium joint for VE.650A. VE.GT90 9424006 Aluminium joint for VE.C650. | VE.RP 9270001 Protection rubber for VE.650A with aluminium profile and caps. Packing: 10m | VE.P650 9623069 Foundation plate with coach screws for VE.650. | VE.TERM 9864010 Thermostat for very cold places. |
| | | | | | |
| VE.AM 9078020 Mobile support for bars. | VE.RAST 9672010 Aluminium rack L= 2 m. H= 60 cm | VE.AF 9078010 VE.AFI 9078015 Painted/ Stainless steel fixed support for bars. | VE.KMB 9576190 VE.KMG/N 9576210 / 9576220 Spring for VE.650/I yellow, neutral or white. | VE.KM24 9576040 Set of 3 springs for VE.650/I: yellow, neutral, white. | VE.L650 9534060 Flashing light set for VE.650A. |
| | | | | | |
| VE.KM1HN 9614267 VE.KM2HN 9614268 Single/two-channel loop detector. | VE.CS 9760050 Traffic-light control unit for LED.TL. | LED.TL 9766003 2 light 230 Vac LED traffic light. | VE.CAT650 9549010 Set of 20 adhesive refractor strips for VE.650A/VE.C650. | ESA BASIC 9176108 System that reduces the electrical energy consumption. In the VE.650 model, the use of ESA BASIC is not compatible with the battery operation. | KSUN 9611004 KIT for system operation via solar panel. For 24 Vdc models. |

MADE IN ITALY

| ACCESSORIES FOR USE | TYPE OF SPRING | BAR LENGTH (m) |
|--|----------------------|----------------|
| VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST | 1 neutral | 4,5 |
| VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST | 1 yellow + 1 neutral | 5 |
| VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST | 1 yellow + 1 neutral | 5,5 |
| --- | 1 yellow + 1 neutral | 6 |
| VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST | 2 neutral | 6 |
| VE.AM - VE.L650 - SC.RES - VE.RP - VE.RAST | 2 neutral | 6,5 |

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

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

VE.650 ROAD BARRIERS & CAR PARK SAVER

BENINCA



VE.SOM / VE.SOR



CONTROL PANELS:

VE.SOR ——— DA.S04 p.125

CAR PARK SAVER

available in automatic or manual version



VE.SOM/VE.SOR ROAD BARRIERS & CAR PARK SAVER

24 Vdc | intensive use

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

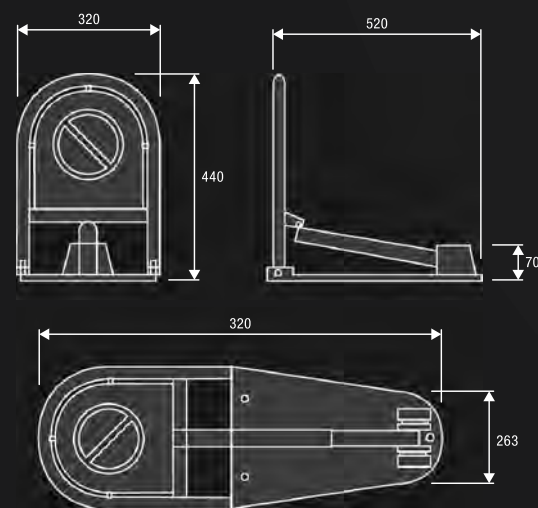


ESA BASIC

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.

MADE IN ITALY

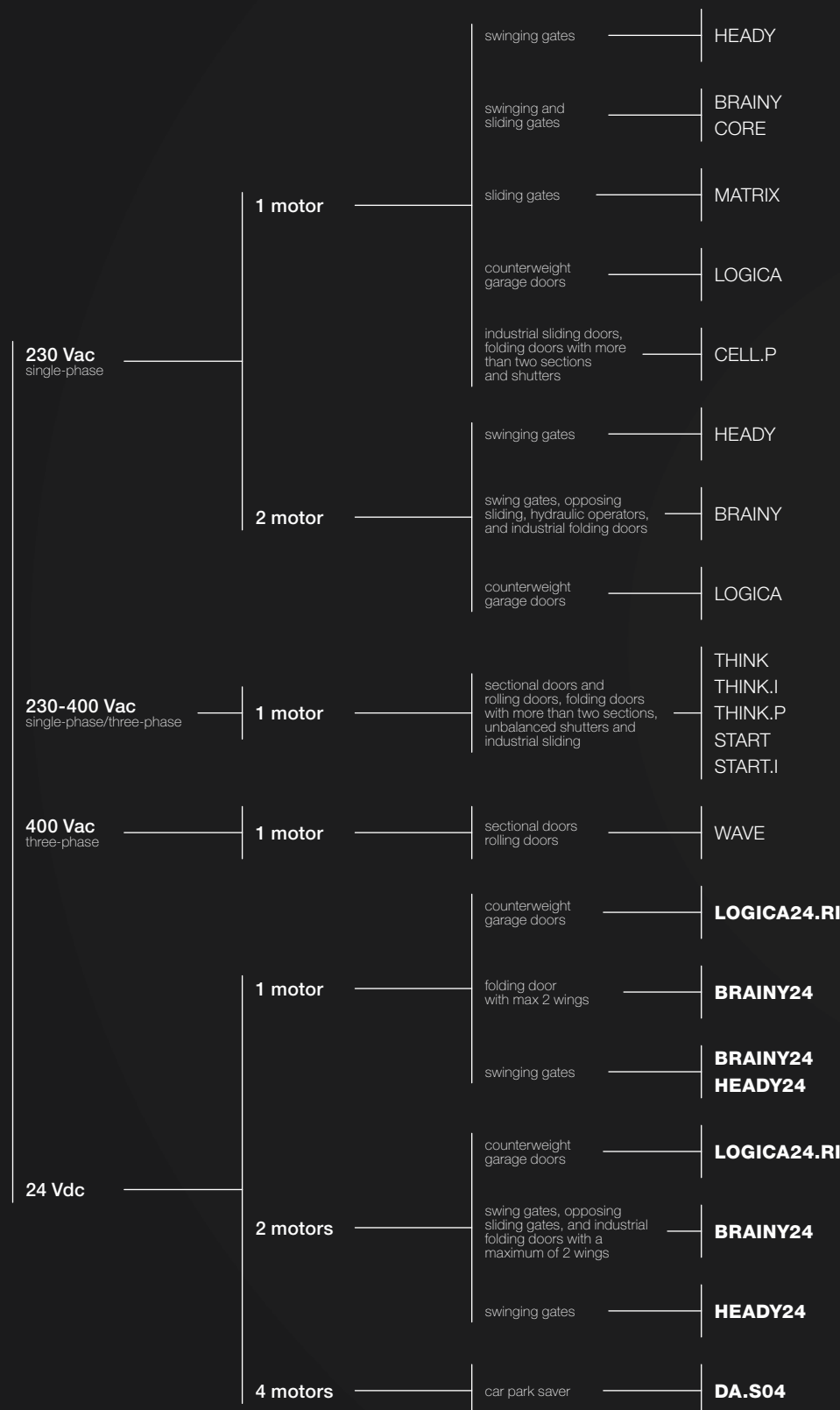


| TECHNICAL DATA | VE.SOM | VE.SOR |
|-----------------------|---------|--------------------|
| Code | 9082040 | 9082030 |
| Operating way | manual | 24 Vdc / automatic |
| Power supply | - | 230 Vac (50-60Hz) |
| Motor supply | - | 24 Vdc |
| Max absorbed current | - | 2 A |
| Opening time | - | 9"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

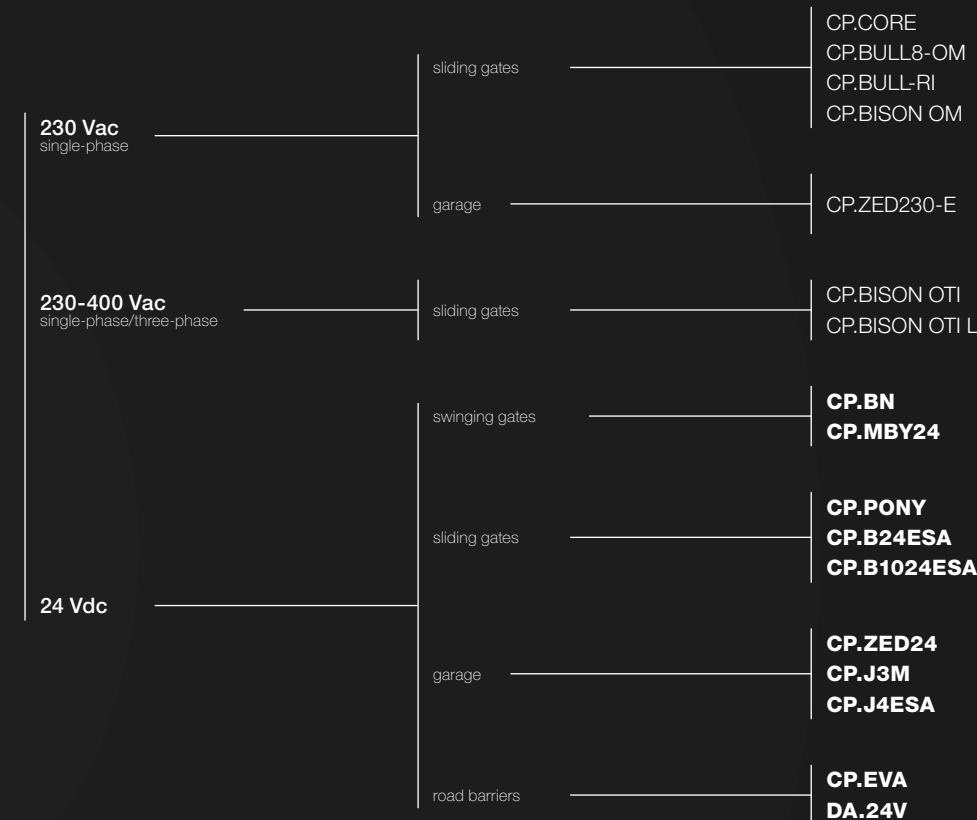
BENINCA
TECHNOLOGY TO OPEN



**EXTERNAL
CONTROL
PANELS**



**INTERNAL
CONTROL
PANELS**





SUN SYSTEM

GREEN ECONOMY

30W SOLAR PANEL



PRACTICAL, ECOLOGICAL

SUN SYSTEM is the perfect solution for installing automated mechanisms in places where there is no source of electricity and without having to spend money on costly construction.

TECHNOLOGY AND EVOLUTION!

The fact that there is a display panel allows operators to monitor several important parameters regarding historical data and statistics at all times

- Instant values on battery and solar panel voltage
- Instant values on the current generated by the solar panel and the batteries
- Number of days the system has been in operation
- Average charging current values of the battery and log of consumption data
- Error messages related to over-current battery issues
- Verification of battery charge status

FLEXIBLE BECAUSE IT IS OPEN!

- It is possible to connect to the control panel up to 3 solar panels
- Batteries of varying capacities (7-50Ah) can also be used.

LOW ENERGY USE = MORE MANOEUVRES!

- The system is controlled via the SUNNY central command device
- SUNNY keeps the automation's control panel deactivated and enables the power supply only after it receives a signal or command over the wire to do so.
- Thanks to the card's low energy consumption levels in stand-by mode, the system is able to ensure a number of manoeuvres also in hours of the day or periods with less-than-ideal solar radiation conditions.



ACCESSORIES



DA.BT18
9086004
18 Ah 12 Vdc batteries.



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



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



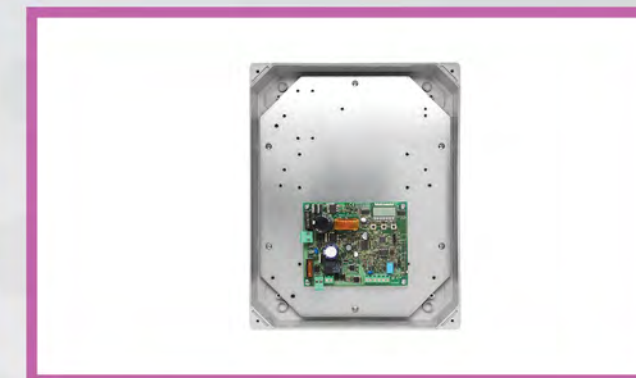
COL.BR
9585000
Pair of clamps for fixing solar panel to column COL.KSUN.



KSUN
9611004

KIT for system operation via solar panel, made up of photovoltaic panel (30W) in monocrystalline silicon and with high efficiency, and a control unit (SUNNY) complete with display and built-in radio receiver. The receiver is capable of managing three types of encoding: rolling code, programmable code, and advanced rolling code (ARC).

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

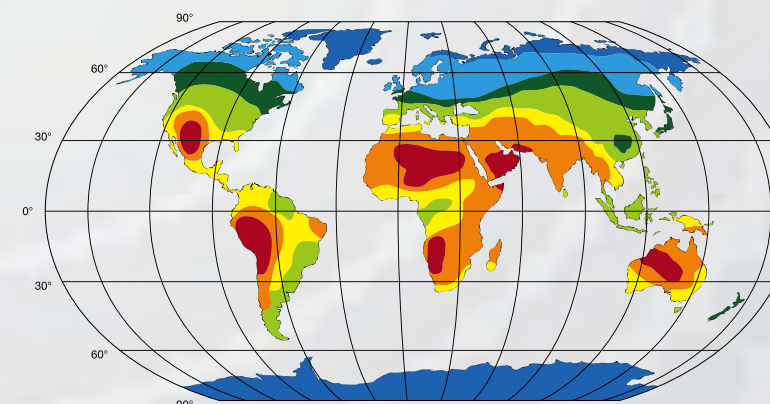


SUNNY
9176316

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

| SOLAR PANEL TECHNICAL DATA | SUN.PANEL |
|----------------------------------|-----------|
| Voltage with open circuit (Voc) | 21,5 |
| Voltage at maximum power (Vmp) | 17,5 |
| Short circuit current Isc (A) | 1,88 |
| Current at maximum power Imp (A) | 1,7 |
| Peak power Wp +/- 5% | 30 |

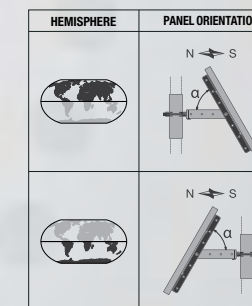
CHART REGARDING AVERAGE SOLAR RADIATION DISTRIBUTION



| HEMISPHERE | AVERAGE NUMBER OF DAILY MANOEVRES WITH KBOB24 / KBULL624* | AVERAGE NUMBER OF DAILY MANOEVRES WITH KBULL424* |
|------------|---|--|
| N | 133 | 191 |
| S | 114 | 163 |
| N | 95 | 136 |
| S | 76 | 108 |
| N | 57 | 81 |
| S | 37 | 54 |
| N | 18 | 26 |
| S | 18 | 26 |

* Refer back to the manual for more precise values

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



| Latitude | Angle of inclination α |
|-----------|---|
| 0° - 15° | 15° |
| 15° - 25° | The value is the same as that of the latitude |
| 25° - 30° | Add 5° to the latitude value |
| 30° - 35° | Add 10° to the latitude value |
| 35° - 40° | Add 15° to the latitude value |
| > 40° | Add 20° to the latitude value |



CORE
9176119



EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for sliding or 1 swing door

CONTROL PANEL POWER SUPPLY

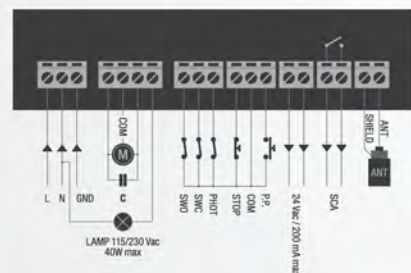
230 Vac

MOTORS POWER SUPPLY

230 Vac 750W

MAIN FUNCTIONS:

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



MATRIX
9176037



EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for sliding gate

CONTROL PANEL POWER SUPPLY

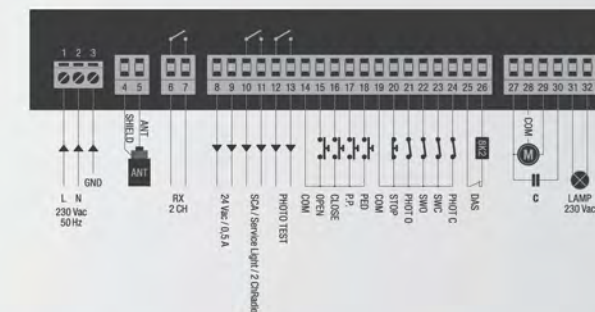
230 Vac

MOTORS POWER SUPPLY

230 Vac 1000W

MAIN FUNCTIONS:

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



ACCESSORIES



E.LOCK
9765001

230 Vac vertical electric lock, supplied with counterplate.



E.LOCKSE
9765002

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



DA.2S
9760100

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



SC.RD
9760027

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



ACCESSORIES



DA.2S
9760100

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



SC.RD
9760027

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



DA.LB
9230031

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





EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 or 2 actuators for tilt up doors

CONTROL PANEL POWER SUPPLY

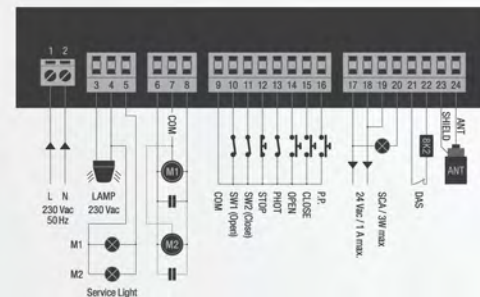
230 Vac

MOTORS POWER SUPPLY

230 Vac 300W + 300W

MAIN FUNCTIONS:

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



EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

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

CONTROL PANEL POWER SUPPLY

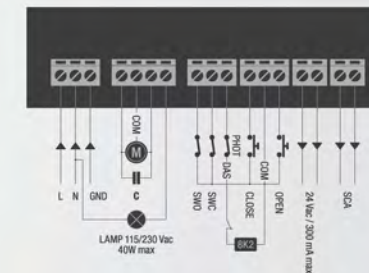
230 Vac

MOTORS POWER SUPPLY

230 Vac 750W

MAIN FUNCTIONS:

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



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

ACCESSORIES



SC.RD
9760027

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



KPO
9855001

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

KPC
9855002

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

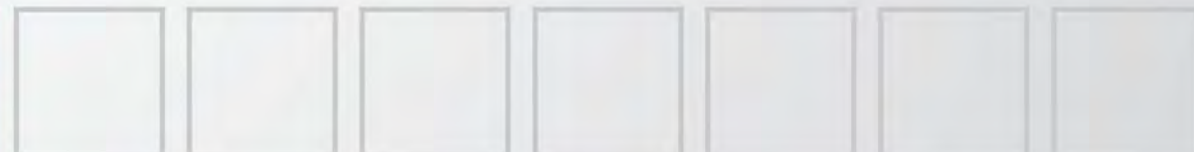


ACCESSORIES



SC.RD
9760027

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





EXTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for shutters

CONTROL PANEL POWER SUPPLY

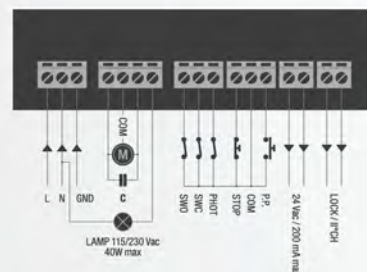
230 Vac

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



EXTERNAL CONTROL PANELS

230-400 Vac



APPLICATION

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

CONTROL PANEL POWER SUPPLY

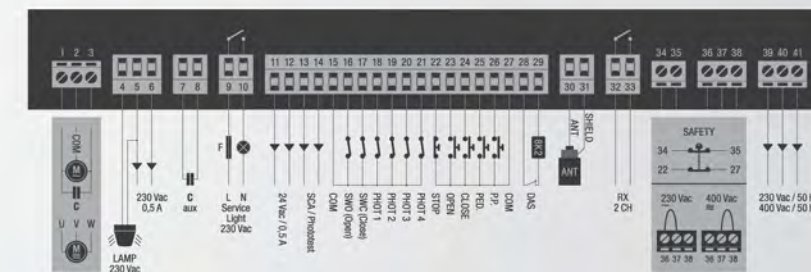
230 Vac or 400 Vac

MOTORS POWER SUPPLY

230 Vac 900W or 400 Vac 2200W

MAIN FUNCTIONS:

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



ACCESSORIES



SC.RD

9760027

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

VERSIONS



THINK.P

9176031

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



THINK.I

9176033

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

ACCESSORIES



DA.2S

9760100

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



SC.RD

9760027

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



KPO

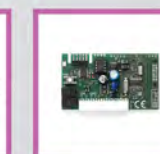
9855001

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

KPC

9855002

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



ONE.2WI

9673102

433.92 MHz universal plug-in receiver, 2 channels.



START
9176968



EXTERNAL CONTROL PANELS

230-400 Vac



APPLICATION

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

CONTROL PANEL POWER SUPPLY

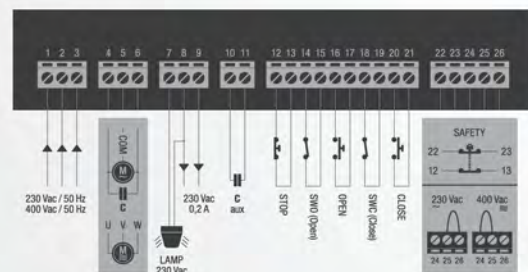
230 Vac o 400 Vac

MOTORS POWER SUPPLY

230 Vac 900W o 400 Vac 2200W

MAIN FUNCTIONS:

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



WAVE
9176124



EXTERNAL CONTROL PANELS

400 Vac



APPLICATION

1 actuator for industrial sectional doors and sliding doors

CONTROL PANEL POWER SUPPLY

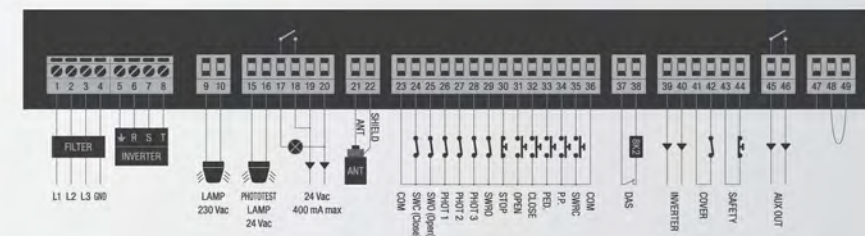
400 Vac

MOTORS POWER SUPPLY

400 Vac 1500W

MAIN FUNCTIONS:

- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code and ARC)
- Removable terminal blocks
- Motor limit switch inputs
- Step by step, open and close inputs
- Pedestrian input
- Stop input
- Inputs for 3 pairs of photocells
- N.C. or 8K2 safety edge input
- Output for gate open indicator light, second radio channel and test photocells and service light
- Operating parameters autose
- 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



VERSIONS



START.I
9176183

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

ACCESSORIES



DA.2S
9760100

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



SC.RD
9760027

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



KPO
9855001

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

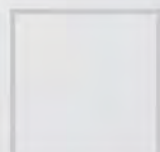
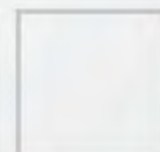
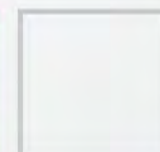


ACCESSORIES



SC.RD
9760027

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





BRAINY24

9176224



EXTERNAL CONTROL PANELS 24 Vdc



APPLICATION

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

CONTROL PANEL POWER SUPPLY

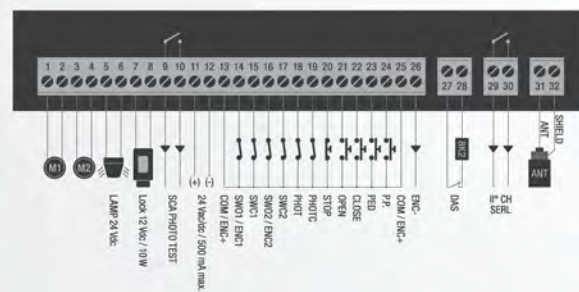
230 Vac

MOTORS POWER SUPPLY

24 Vdc 120W + 120W

MAIN FUNCTIONS:

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



ACCESSORIES



- DU.V96** 9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.
- DU.V90** 9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.
- DU.9990** 9623010
Covering plate for DU.V90.
- SC.RD** 9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).
- DA.LB** 9230031
Galvanized column for outdoor installation of LB box. Packaging: 2 pcs
- BRAINY24.CB** 9760014
Accessory with CBY.24V battery charger, 1.2 Ah batteries and base.
- NIMH.CB** 9760017
Accessory with CBY.24V battery charger card, NIMH batteries and support.

HEADY24

9176229



EXTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 or 2 actuators for swing gates

CONTROL PANEL POWER SUPPLY

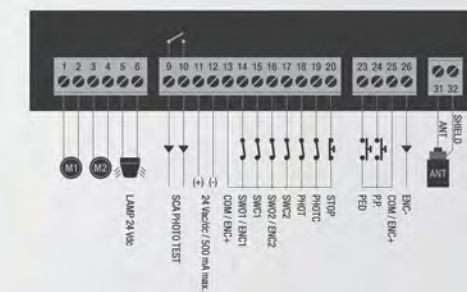
230 Vac

MOTORS POWER SUPPLY

24 Vdc 60W + 60W

MAIN FUNCTIONS:

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



ACCESSORIES



- DU.V96** 9765035
12 Vac/dc vertical electric lock, supplied with counterplate. Permits internal/external release.
- DU.V90** 9765030
12 Vac/dc horizontal electric lock, supplied with counterplate. Permits internal/external release.
- DU.9990** 9623010
Covering plate for DU.V90.
- L.BY** 9760024
Control board for electric lock 12/24 Vdc.
- SC.RD** 9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).
- BRAINY24.CB** 9760014
Accessory with CBY.24V battery charger, 1.2 Ah batteries and base.
- NIMH.CB** 9760017
Accessory with CBY.24V battery charger card, NIMH batteries and support.



EXTERNAL CONTROL PANELS
24 Vdc



APPLICATION

1 or 2 actuators for tilt up doors

CONTROL PANEL POWER SUPPLY

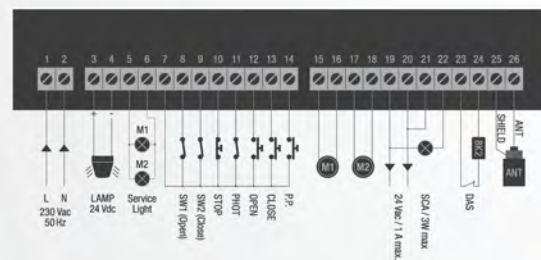
230 Vac

MOTORS POWER SUPPLY

24 Vdc 80W + 80W

MAIN FUNCTIONS:

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



ACCESSORIES



- SC.RD** 9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).
- KPO** 9855001
Set of 2 green push buttons (N.O.) and front cover for Box LB.
KPC 9855002
Set of 2 push buttons (green-N.O. and red-N.C.) and front cover for box LB.
- CBY.24V** 9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalhydrate and lead batteries.
- DA.BT2** F8086010
2.1Ah 12 Vdc Battery
DA.BT6 F8086020
7Ah 12 Vdc Battery
- NIMH** 9086006
2 Ah, 24 Vdc NIMH batteries.
- LB** 9252001
Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)



EXTERNAL CONTROL PANELS
24 Vdc



APPLICATION

from 1 to 4 parking space barrier VE.SOR

CONTROL PANEL POWER SUPPLY

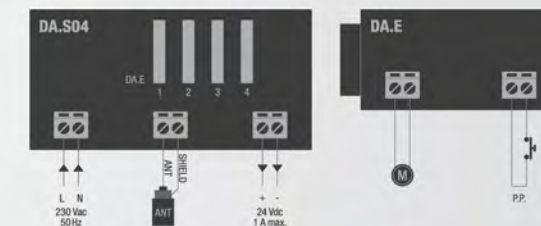
230 Vac

MOTORS POWER SUPPLY

24 Vdc 20W

MAIN FUNCTIONS:

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



ACCESSORIES



- DA.E** 9760035
Module for VE.SOR (one DA.E each VE.SOR).
- DA.RB** 9760042
Battery charger card for DA.S04.
- DA.BT2** F8086010
2.1Ah 12 Vdc Battery
DA.BT6 F8086020
7Ah 12 Vdc Battery
- LB** 9252001
Standard box for control units. Protection level IP55. (290 x 220 x 118 mm)
- ONE.2WI** 9673102
433.92 MHz universal plug-in receiver, 2 channels.
- RR.4WBV24** 9673160
4 channel receiver 433.92 MHz with rolling code system. 24 Vac/dc power supply.



COMPARISON TABLE

EXTERNAL CONTROL PANELS

| | BRAINY | HEADY | CORE | MATRIX | LOGICA | CELL.P | KER | THINK | START | WAVE | BRAINY24 | HEADY24 | LOGICA24.RI | DA.S04 | |
|--|--------|-------|------|--------|--------|--------|-----|-------|-------|------|----------|---------|-------------|--------|---|
| CONTROL PANELS FEATURES | | | | | | | | | | | | | | | |
| motors power supply 24 Vdc | | | | | | | | | | | | | | | |
| motors power supply 230 Vac | • | • | • | • | • | • | • | • | • | • | | | | | |
| motors power supply 400 Vac | | | | | | | | | | | | | | | |
| INPUTS | | | | | | | | | | | | | | | |
| step by step input | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| open input | • | | | • | • | • | | • | • | • | • | • | • | • | • |
| close input | • | | | • | • | • | | • | • | • | • | • | • | • | • |
| pedestrian opening input | • | • | | • | | | | | | | | | | | |
| photo cell input | | • | • | | • | • | • | | | | | | | | • |
| photo cell input in opening phase | • | | | • | | | | • | | | | | • | | |
| photo cell 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 | • | • | • | • | • | • | | • | • | • | • | • | • | • | • |
| photo cell power supply output with phototes | • | • | | • | • | | | | | | | | | | |
| 2nd radio channel output | • | • | | • | • | | | | | | | | | | |
| OPERATING LOGICS | | | | | | | | | | | | | | | |
| "dead man" function | • | | • | • | • | • | • | • | • | • | • | • | • | • | • |
| semi-automatic function | • | • | • | • | • | • | • | • | | | • | • | • | • | • |
| automatic function | • | • | • | • | • | • | • | • | | | • | • | • | • | • |
| multi-flat function | • | • | • | • | • | • | • | • | | | • | • | • | • | • |
| step by step function (open-close-open) | • | • | • | • | • | | • | | | | • | • | • | • | • |
| timer function in opening | • | • | | | • | | | • | | | • | • | • | • | • |
| adjustable slowdown time | • | | | • | • | | | | | | • | • | • | • | • |
| fixed slow down time | | | • | | | | | | | | | | | | • |
| electronic brake | | | | | | | | | | | | | | | |
| pre-warning flashing light | • | • | • | • | • | | | • | | | • | • | • | • | • |
| disable photocell in opening phase | | • | • | | • | | | | | | • | • | • | • | • |
| close immediatly after photocell | • | • | • | • | | | | • | | | • | • | • | • | • |
| maintaining hydraulic motor pressure | • | | | | | | | | | | | | | | |
| closing delay motor 1 | • | • | | | | | | | | | | • | • | • | • |
| opening delay motor 2 | • | • | | | | | | | | | | • | • | • | • |
| ADJUSTMENTS | | | | | | | | | | | | | | | |
| electromechanical adjustment force | | | | | | | | | | | | | | | • |
| electronic adjustment force | • | • | • | • | • | • | • | | | | • | • | • | • | • |
| speed adjustment | | | | | | | | | | | • | • | • | • | • |
| starting with maximum power | • | • | • | • | • | • | • | • | • | • | • | • | • | • | • |
| self adjustment of working parameters | • | | | | • | | | | | | • | • | • | • | • |
| parameters adjustment through potentiometer | | | | • | | • | • | | | | | | | | • |
| parameters adjustment through LCD display | • | • | | • | • | | | • | | | • | • | • | • | • |
| OTHER CHARACTERISTICS | | | | | | | | | | | | | | | |
| diagnostic LEDES | | | • | | | • | • | | | | | | | | • |
| 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

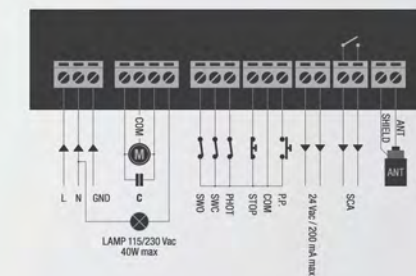
230 Vac

MOTORS POWER SUPPLY

230 Vac 750W

MAIN FUNCTIONS:

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



ACCESSORIES



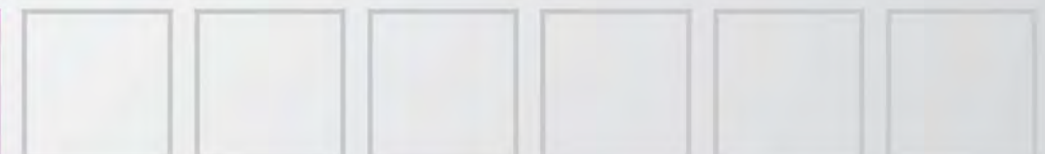
DA.2S
9760100

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



SC.RD
9760027

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





CP.BULL8-OM

INTERNAL CONTROL PANELS

230 Vac



CP.BULL-RI

INTERNAL CONTROL PANELS

230 Vac



APPLICATION

1 actuator for sliding gate series BULL8M and BULL8 OM

CONTROL PANEL POWER SUPPLY

230 Vac

MOTORS POWER SUPPLY

230 Vac 280W

MAIN FUNCTIONS:

- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 2 codes radio receiver (programmable code and rolling code)
- Removable terminal blocks
- Encoder input for obstruction detection
- Motor limit switch inputs
- Independent open and close photocell inputs
- Pedestrian input
- Output for gate open indicator light, second radio channel, test photocells and service light
- Operating parameters autose
- 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



APPLICATION

1 actuator for sliding gate series BULL10M, BULL15M and BULL20M

CONTROL PANEL POWER SUPPLY

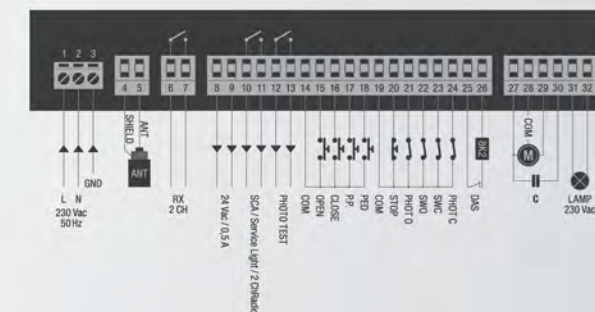
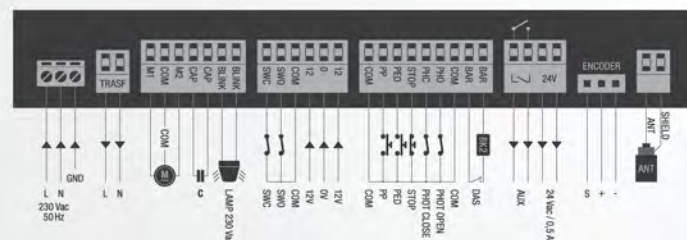
230 Vac

MOTORS POWER SUPPLY

230 Vac 1000W

MAIN FUNCTIONS:

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



ACCESSORIES



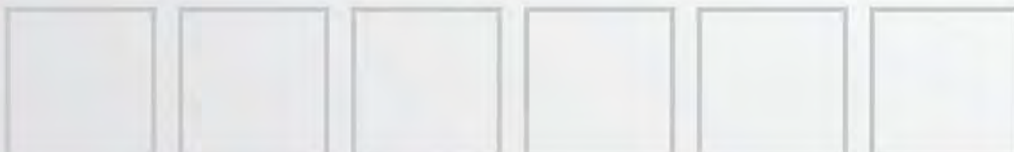
DA.2S
9760100

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



SC.RD
9760027

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



ACCESSORIES



DA.2S
9760100

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



SC.RD
9760027

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





CP.ZED230-E

INTERNAL CONTROL PANELS

230 Vac



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

APPLICATION

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

CONTROL PANEL POWER SUPPLY

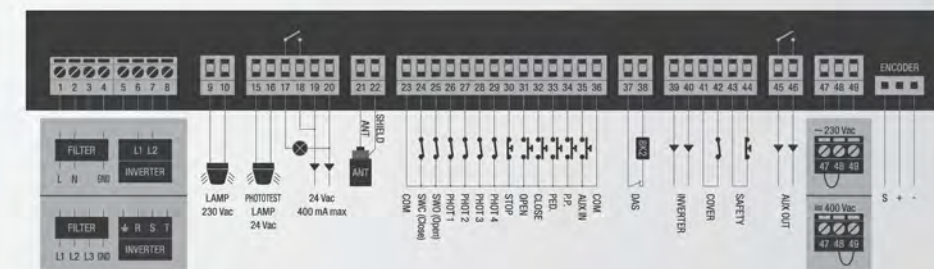
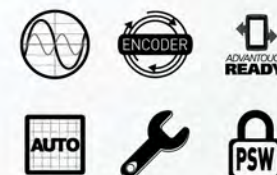
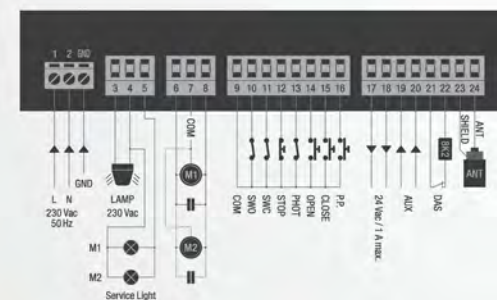
230 Vac

MOTORS POWER SUPPLY

230 Vac 300W + 300W

MAIN FUNCTIONS:

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



ACCESSORIES



SC.RD
9760027

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



ACCESSORIES



DA.2S
9760100

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



SC.RD
9760027

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





CP.B1024ESA

INTERNAL CONTROL PANELS 24 Vdc



CP.ZED24

INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 or 2 actuators series ZED24.RI

CONTROL PANEL POWER SUPPLY

230 Vac

MOTORS POWER SUPPLY

24Vdc 80W + 80W

MAIN FUNCTIONS:

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

APPLICATION

1 actuator for sliding gate BULL1024ESA

CONTROL PANEL POWER SUPPLY

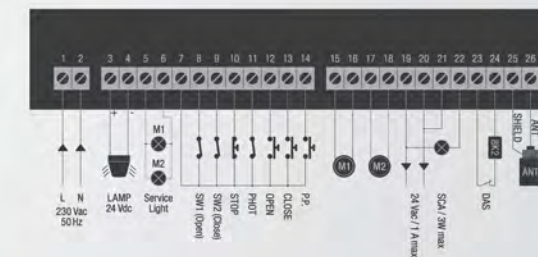
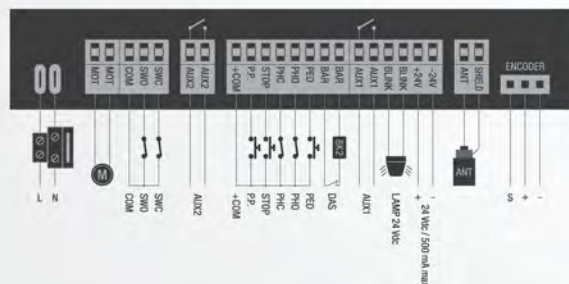
230 Vac

MOTORS POWER SUPPLY

24 Vdc 190W

MAIN FUNCTIONS:

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



ACCESSORIES



DA.2S
9760100

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



SC.RD
9760027

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



BULL1024.CB
9760036

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



ACCESSORIES



SC.RD
9760027

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



CBY.24V
9760016

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



DA.BT2
F8086010

2.1Ah 12 Vdc Battery
DA.BT6
F8086020
7Ah 12 Vdc Battery



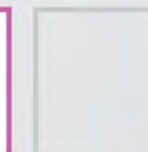
NIMH
9086006

2 Ah, 24 Vdc NIMH batteries.



LB
9252001

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





CP.J3M

INTERNAL CONTROL PANELS 24 Vdc



CP.J4ESA

INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 actuator JM.3

CONTROL PANEL POWER SUPPLY

230 Vac

MOTORS POWER SUPPLY

24 Vdc 80W

MAIN FUNCTIONS:

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

APPLICATION

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

CONTROL PANEL POWER SUPPLY

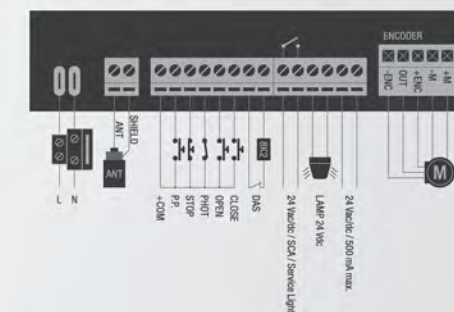
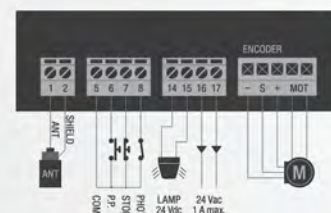
230 Vac

MOTORS POWER SUPPLY

24 Vdc 150W

MAIN FUNCTIONS:

- Built-in LCD display
- Built-in 433.92 MHz 64 codes and 3 codes radio receiver (programmable code, rolling code, ARC)
- Built-in ESA SYSTEM for energy saving
- Fixed terminal blocks
- Photocell input
- Step by step, open, close, stop inputs
- N.C. or 8K2 safety edge input
- Gate open indicator light output, service light, second radio channel
- Test photocells
- Operating parameters autose
- 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
9760027

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



JM.CBY
9760023

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

ACCESSORIES



SC.RD
9760027

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

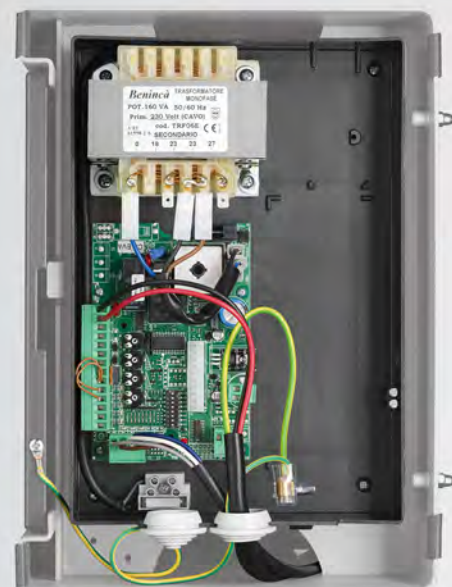


JM.CBY
9760023

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



INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

1 road barrier series EVA.5, EVA.7

CONTROL PANEL POWER SUPPLY

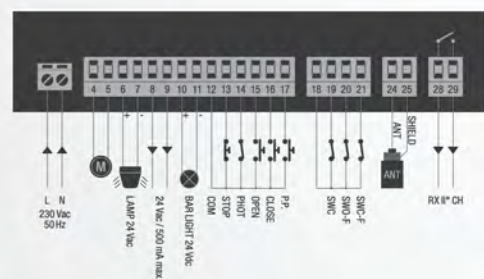
230 Vac

MOTORS POWER SUPPLY

24 Vdc 160W

MAIN FUNCTIONS:

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



ACCESSORIES



- DA.2S**
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).
- SC.RD**
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).
- CBY.24V**
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalhydrate and lead batteries.
- DA.BT2**
F8086010
2.1Ah 12 Vdc Battery
DA.BT6
F8086020
7Ah 12 Vdc Battery
- EVA.SUP**
9819035
Support for EVA internal accessories
- ONE.2WI**
9673102
433.92 MHz universal plug-in receiver, 2 channels.
- AW**
9076058
433.92 MHz aerial with 4m cable.



INTERNAL CONTROL PANELS 24 Vdc



APPLICATION

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

CONTROL PANEL POWER SUPPLY

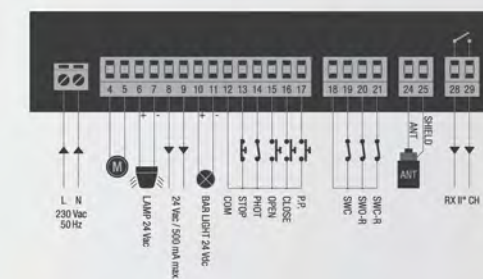
230 Vac

MOTORS POWER SUPPLY

24 Vdc 160W

MAIN FUNCTIONS:

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



ACCESSORIES



- DA.2S**
9760100
Electronic card that allows synchronised movement of 2 automations (facing doors).
- SC.RD**
9760027
Board no. 4 relays for control unit inputs support/decoupling. For use in the event of very long connections (i.e. buttons in house).
- CBY.24V**
9760016
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalhydrate and lead batteries.
- DA.BT2**
F8086010
2.1Ah 12 Vdc Battery
DA.BT6
F8086020
7Ah 12 Vdc Battery
- ONE.2WI**
9673102
433.92 MHz universal plug-in receiver, 2 channels.
- AW**
9076058
433.92 MHz aerial with 4m cable.



COMPARISON TABLE

INTERNAL CONTROL PANELS

CONTROL PANELS FEATURES

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

BATTERY CHARGER, BATTERIES AND BOX

BATTERY CHARGER



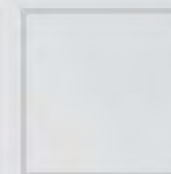
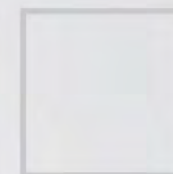
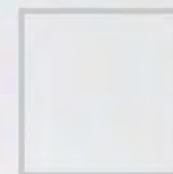
BN.24V
9760073
Battery charger card for CP.BN.



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



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



BATTERIES



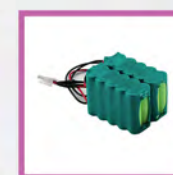
DA.BT2
9086019
2.1Ah 12 Vdc Battery



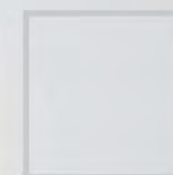
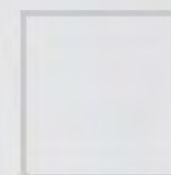
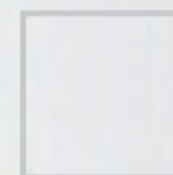
DA.BT6
9086020
7Ah 12 Vdc Battery



DA.BT18
9086004
18 Ah 12 Vdc batteries.



NIMH
9086006
2 Ah, 24 Vdc NIMH batteries.



BOX



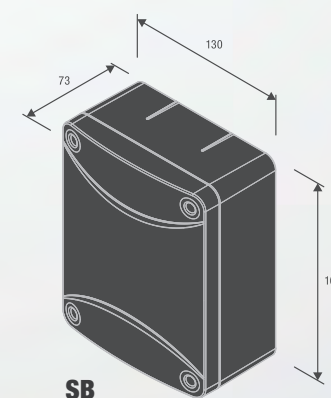
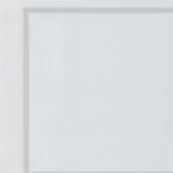
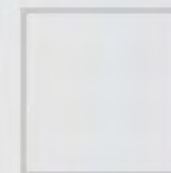
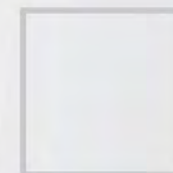
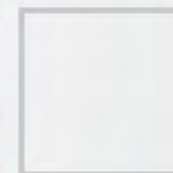
SB
9252003
Plastic box for small control unit.



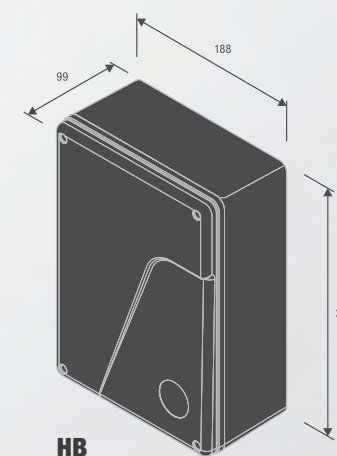
HB
9252014
Box for HEADY/HEADY24. Protection level IP55.



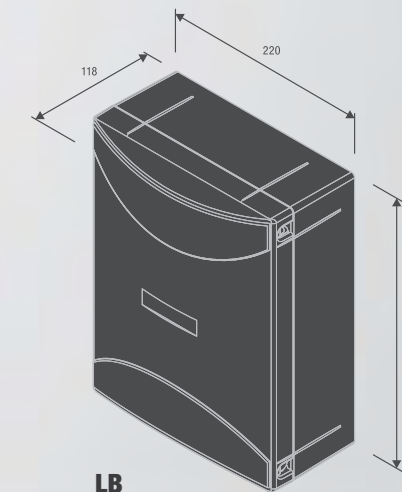
LB
9252001
Standard box for control units. Protection level IP55.



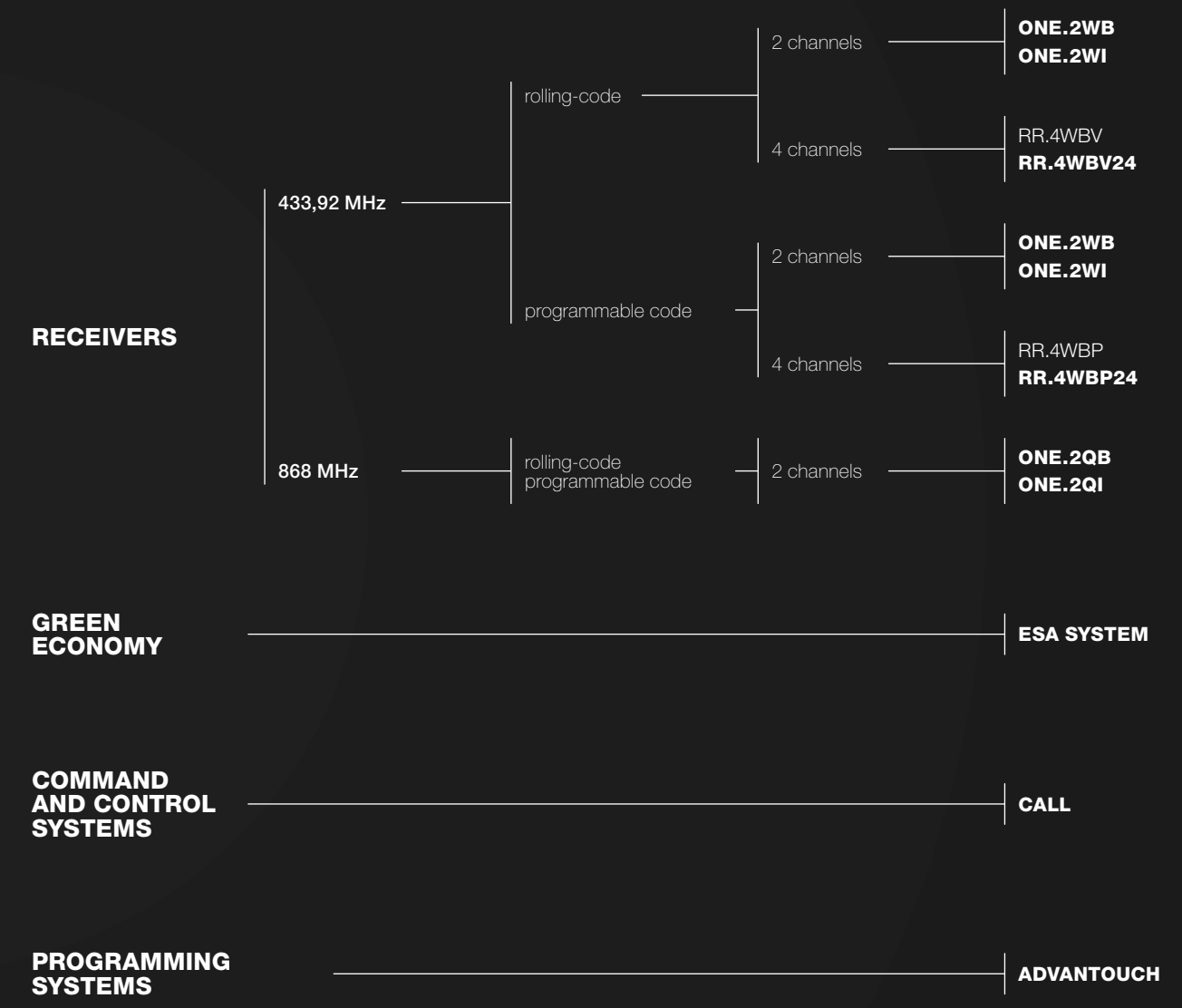
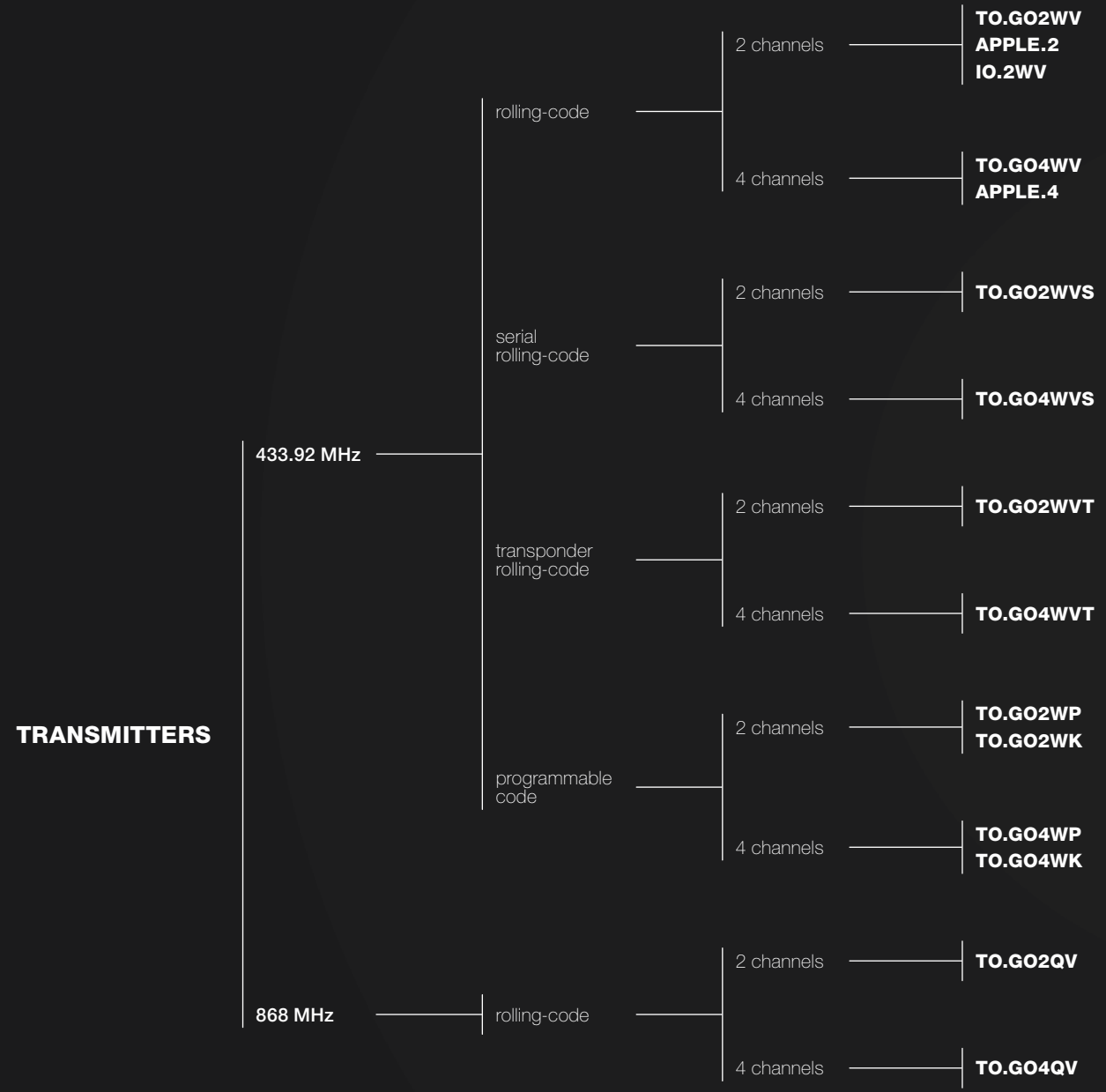
SB



HB



LB





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

9863065 9863165

433.92 MHz 2 channels rolling-code transmitter.

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



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.GO2QV

9863106

868 MHz 2 channels rolling-code transmitter.



TO.GO4QV

9863107

868 MHz 4 channels rolling-code transmitter.

433.92 MHz RECEIVERS AND ACCESSORIES



ONE.2WB

9673103
Universal receiver
433.92 MHz, 2 channels
in box.

ONE.2WI

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



RR.4WBV

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

RR.4WBV24

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



CALL

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



MEM2048

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



AW

9076058
433.92 MHz aerial with
4m cable.



BT12

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

868 MHz RECEIVERS AND ACCESSORIES

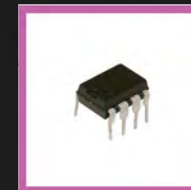


ONE.2QB

9673112
Universal receiver
868 MHz, 2 channels
in box.

ONE.2QI

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



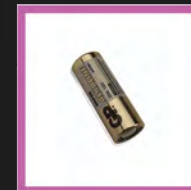
MEM2048

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



AQ

9076001
868 MHz aerial with
4m cable.



BT12

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



TO.GO



ELECTRONIC SIGNALS & CONTROLS PROGRAMMABLE CODE TRANSMITTERS

2 or 4 channels



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



TO.GO2WP

9863067

2 channels transmitters, dip-switches code.



TO.GO4WP

9863068

4 channels transmitters, dip-switches code.



TO.GO2WK

9863167

2 channels self-learning code transmitter.



TO.GO4WK

9863168

4 channels self-learning code transmitter.

RECEIVERS AND ACCESSORIES



ONE.2WB

9673103

Universal receiver
433.92 MHz, 2 channels
in box.

ONE.2WI

9673102

433.92 MHz universal
plug-in receiver,
2 channels.



RR.4WBP

9673159

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

RR.4WBP24

9673161

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



CALL

9673166

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



AW

9076058

433.92 MHz aerial with
4m cable.



BT12

9086010

12 V Battery, for
transmitter.

Available in 50 pcs
packing.



APPLE



ELECTRONIC SIGNALS & CONTROLS ROLLING-CODE TRANSMITTERS

surface mounting transmitter
2 or 4 channels



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



APPLE.2

9863052

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



APPLE.4

9863053

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

RECEIVERS AND ACCESSORIES



ONE.2WB

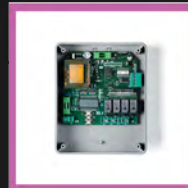
9673103

Universal receiver 433.92 MHz, 2 channels in box.

ONE.2WI

9673102

433.92 MHz universal plug-in receiver, 2 channels.



RR.4WBV

9673158

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

RR.4WBV24

9673160

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



CALL

9673166

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



MEM2048

9570001

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



AW

9076058

433.92 MHz aerial with 4m cable.



BT12

9086010

12 V Battery, for transmitter.

Available in 50 pcs packing.



ES.MINI

9673185

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



IO



ELECTRONIC SIGNALS & CONTROLS ROLLING-CODE TRANSMITTERS

2 channels



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.

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

RECEIVERS AND ACCESSORIES



ONE.2WB

9673103

Universal receiver
433.92 MHz, 2 channels
in box.

ONE.2WI

9673102

433.92 MHz universal
plug-in receiver,
2 channels.



MEM2048

9570001

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



AW

9076058

433.92 MHz aerial with
4m cable.



BT.IO

9086001

Battery 3v.

Pack of 25 pieces.



ONE.2



ELECTRONIC SIGNALS & CONTROLS UNIVERSAL RECEIVER

2 channels



433.92 MHz

ONE.2WB

9673103

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



433.92 MHz

ONE.2WI

9673102

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



868 MHz

ONE.2QB

9673112

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



868 MHz

ONE.2QI

9673111

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

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

ELECTRONIC SIGNALS & CONTROLS RECEIVER

4 channels



433.92 MHz



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.



433.92 MHz

RR.4WBP

9673159

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

RR.4WBP24

9673161

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



**ELECTRONIC SIGNALS & CONTROLS
GREEN ECONOMY**

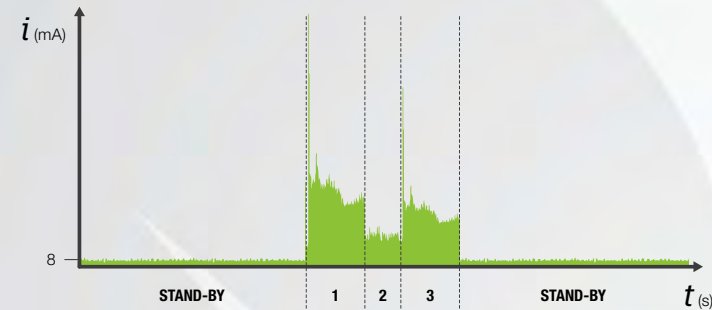
ECO COMPATIBLE AUTOMATED DEVICES
THE BEST WAY TO SAVE

PATENT PENDING

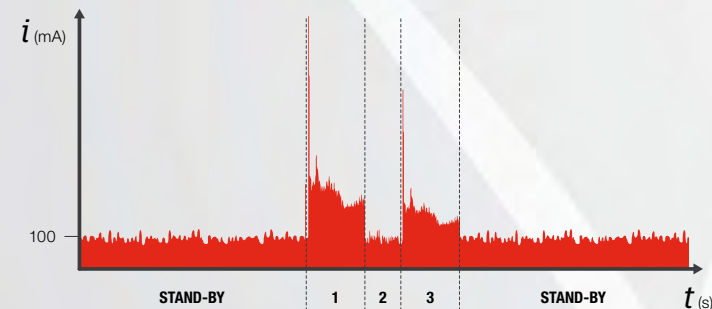


- BENINCA is the first to introduce on the automation market a system that allows to reduce energy consumption with a device applicable to all new or existing automation systems, wither by BENINCA or other manufacturers. This allows any user to bring their automation in line with today's concerns related 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 BENINCA project (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**

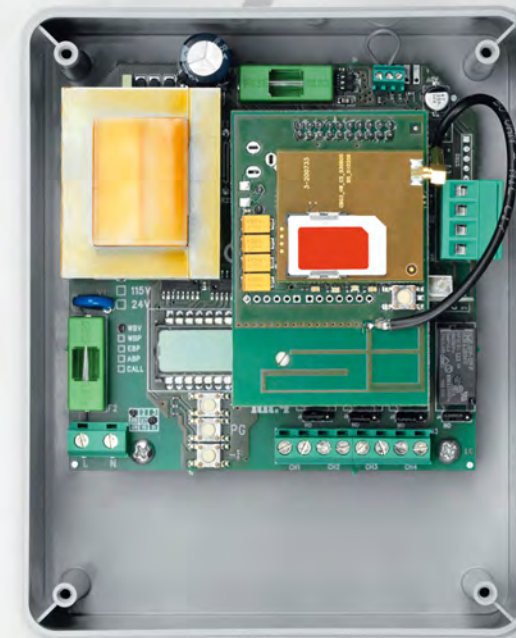


1. OPENING PHASE
2. TCA
3. CLOSING PHASE

- 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 maintained 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

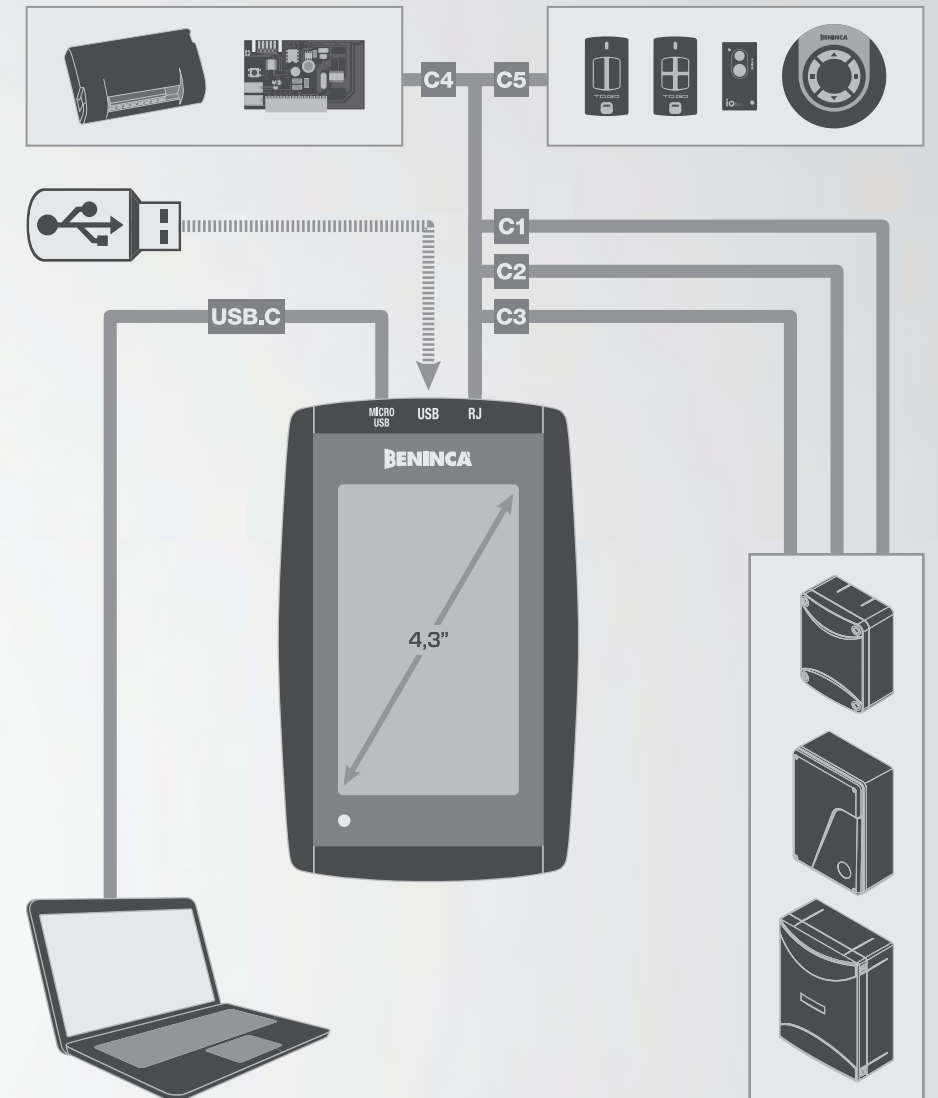


ELECTRONIC SIGNALS & CONTROLS



New controller, fully reworked in functions:

- Display touch screen of 4.3"
- Simple and intuitive to use, with the option of managing and creating lists of transmitters directly on the device, without using the PC, thanks to the internal memory
- Maximum simplicity in transmitter insertion, deletion or disabling and in database creation
- It configures parameters and manages logic of control units
- Used to update control unit software or the controller itself, directly, simply and quickly
- Maximum security ensured by a password that locks the receiver
- Simplified management of transmitters and receivers with multiple channels, with quick association between buttons and channels
- Compatible with 433.92 MHz transmitters and receivers with rolling code, programmable code, and ARC encoding
- Support for USB devices



INCLUDED ACCESSORIES



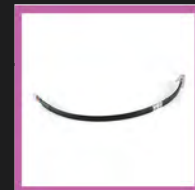
AD.CD
ADVANTOUCH management software on CD for PCs with WINDOWS operating system.



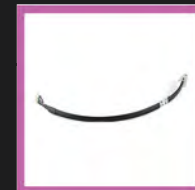
C1
Connection cable for control unit software update.



C2
Connection cable for control unit software update.



C3
Serial cable to connect control units and programming, configuration of parameters or operating logic.



C4
Connection cable for receivers programming.



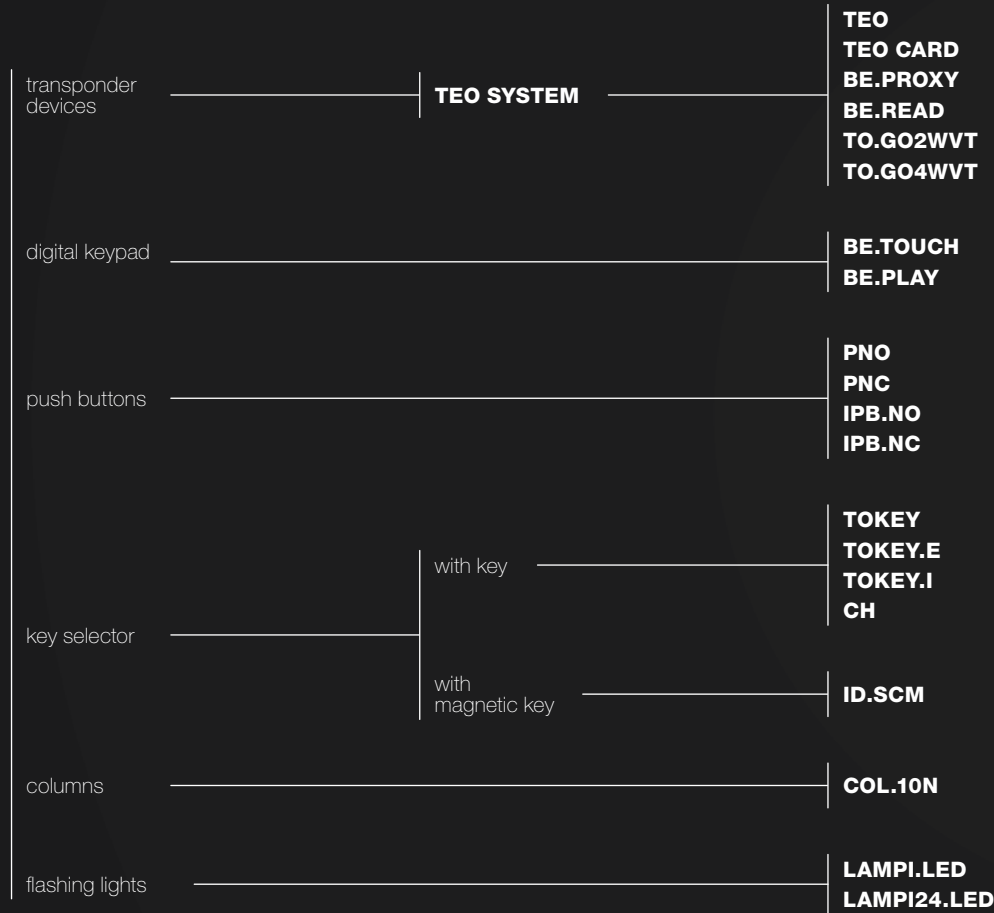
C5
Radio control programming and transmitters and control unit memory reading board.



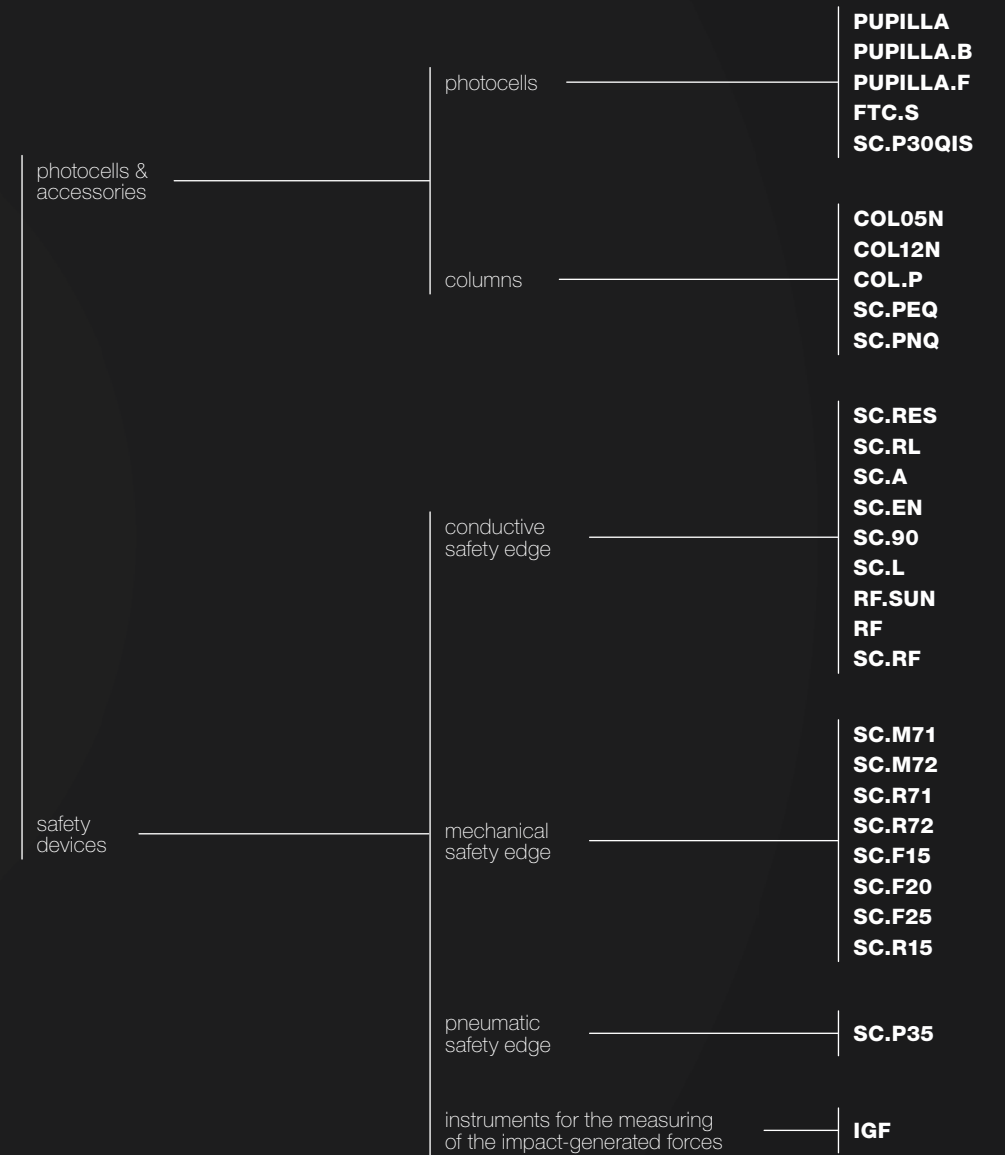
USB.C
Cable to connect ADVANTOUCH to network power supply and PC.



**SIGNAL AND
COMMAND**



**DETECTION
AND SAFETY
DEVICE**





TEO SYSTEM

- TEO SYSTEM, the new proximity scanning and management system for opening residential and professional automations by means of transponder tags (TEO) or cards (Teo Card)
- The automation is opened when the TEO transponder approaches the BE.PROXY scanner which, dialoguing with the receiver, gives the command to open the gate, the door, or any controlled device
- The system operate with a frequency of 13.56 MHz, standardised all over the world
- 250 insertable cards or tags (TEO/TO.GO2WVT/TO.GO4WVT)

- Reading distance 2-5 cm
- 2 programmable relay output channels
- Possibility to control one of the two relay outputs with a card, or both outputs with a single or double passage of the card or tag
- Possibility of memorising the cards and tags one by one with the BE.READ, or in remote mode with the BE.PROXY, using a master card



TEO

9614255

Transponder device key holder shaped.

Packaging: 10 pcs.



TEO CARD

9781025

Transponder device in card format.



BE.PROXY

9614250

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



BE.READ

9673010

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



TO.GO2WVT

9863092

2 channels self-learning code transmitter with transponder.



TO.GO4WVT

9863093

4 channels self-learning code transmitter with transponder.



DIGITAL KEYPAD

SIGNALS AND COMMAND



BE.TOUCH

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



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.



1 Activate the keypad by laying a hand on the screen



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



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

BE.PLAY ACCESSORIES



BE-REC

9673028

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



KC-BEPLAY

9005015

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



COL10N

9230004

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



COL12N

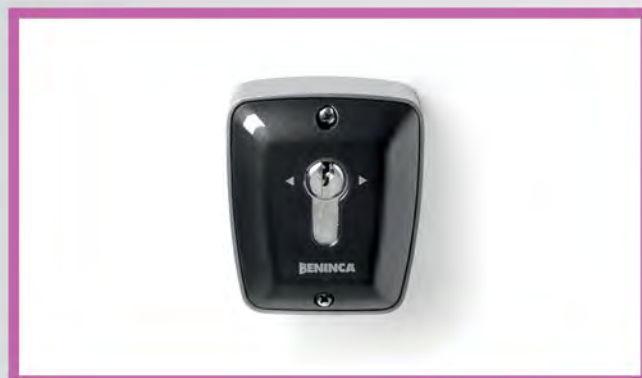
9230003

Pair of disassembled columns equipped with base and support for keypad PNO/PNC, photocell FTC.S and proximity reader BE.PROXY. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



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



CEM

9623565

Counterplate to be cemented for COL10N base.



COL10N

9230004

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



KE

9252005

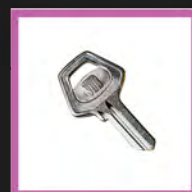
Surfaced mounted box for CH key selector switch.



KI

9252008

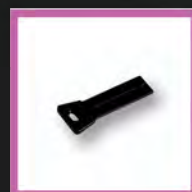
Flush mounted for CH key selector.



ID.SK

F8189060

Neutral key for CH/TOKEY.



ID.MK

9189010

Magnetic key for ID.SCM.



PUSH BUTTONS

SIGNALS AND COMMAND



PNO

9670012

Surface mounting push buttons with 2 normally open contact.

To be fitted on COL10N pillar.

PNC

9670014

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

To be fitted on COL10N pillar.



IPB.NO

9670051

Industrial surface mounting push buttons with 2 normally open contact.

IPB.NC

9670050

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

FLASHING LIGHTS

SIGNALS AND COMMAND



LAMPI.LED

9534098

230 Vac Led flashing light with built-in aerial.



LAMPI24.LED

9534099

24 Vdc Led flashing light with built-in aerial.

ACCESSORIES



COL10N

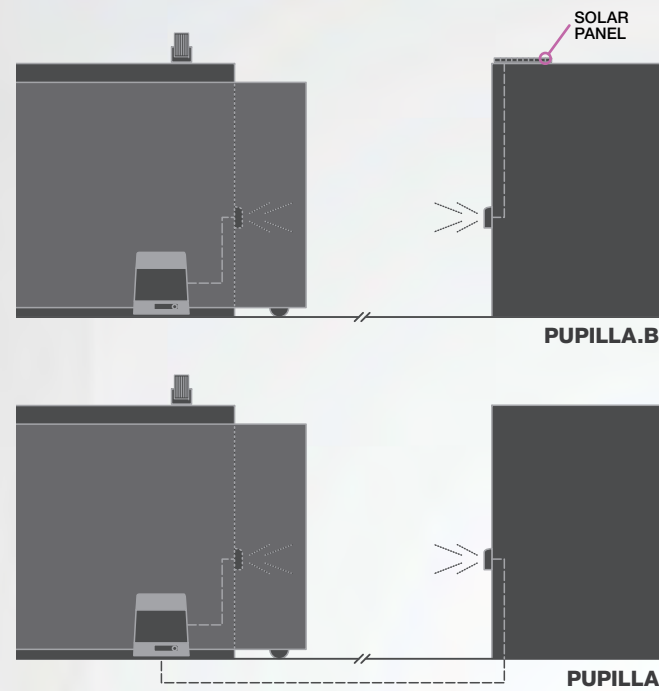
9230004

Pair of disassembled columns equipped with base and support for selector CH or keypad PNO/PNC. Optional installation of BE-PLAY keypad with KC-BEPLAY accessory. H= 1 m



PHOTOCELLS

DETECTION AND SAFETY DEVICES



PUPILLA.B

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



PUPILLA.B

9409006

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



PUPILLA / PUPILLA.F

9409001

9409007

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

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



FTC.S

9409089

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



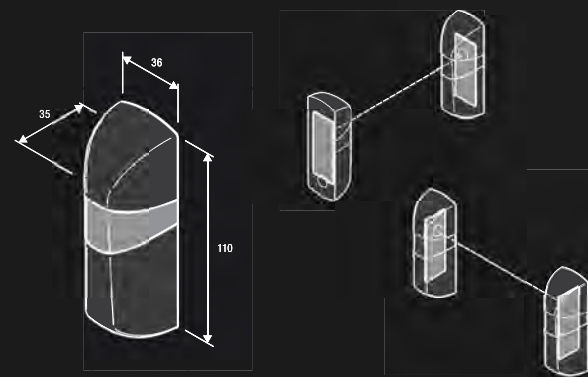
SC.P30QIS

9409028

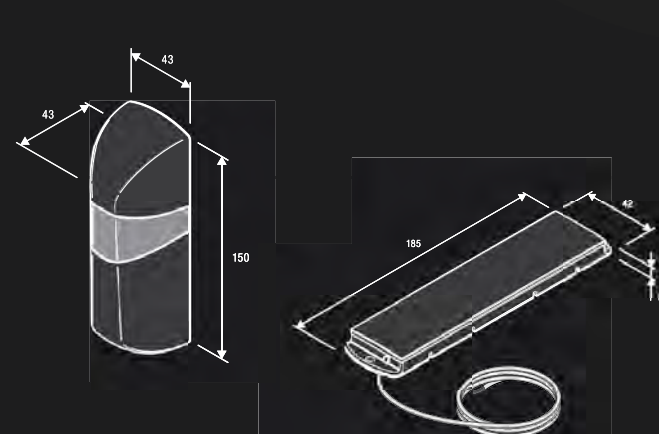
24 Vac/dc synchronize flush mounting photocell. It is possible to synchronised up to 4 couple of photocells.

SC.PD not included.

■ PUPILLA



■ PUPILLA.B



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

ACCESSORIES



SF
9830009

Lateral support for 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

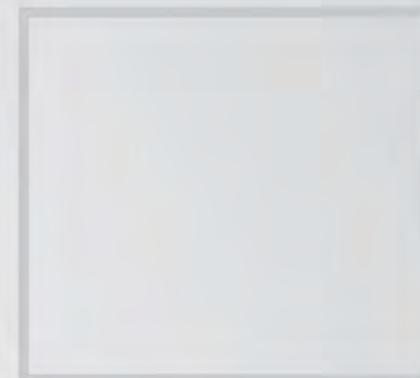


COL.BY

9230042

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

H= 0.5 m



ACCESSORIES



CEM

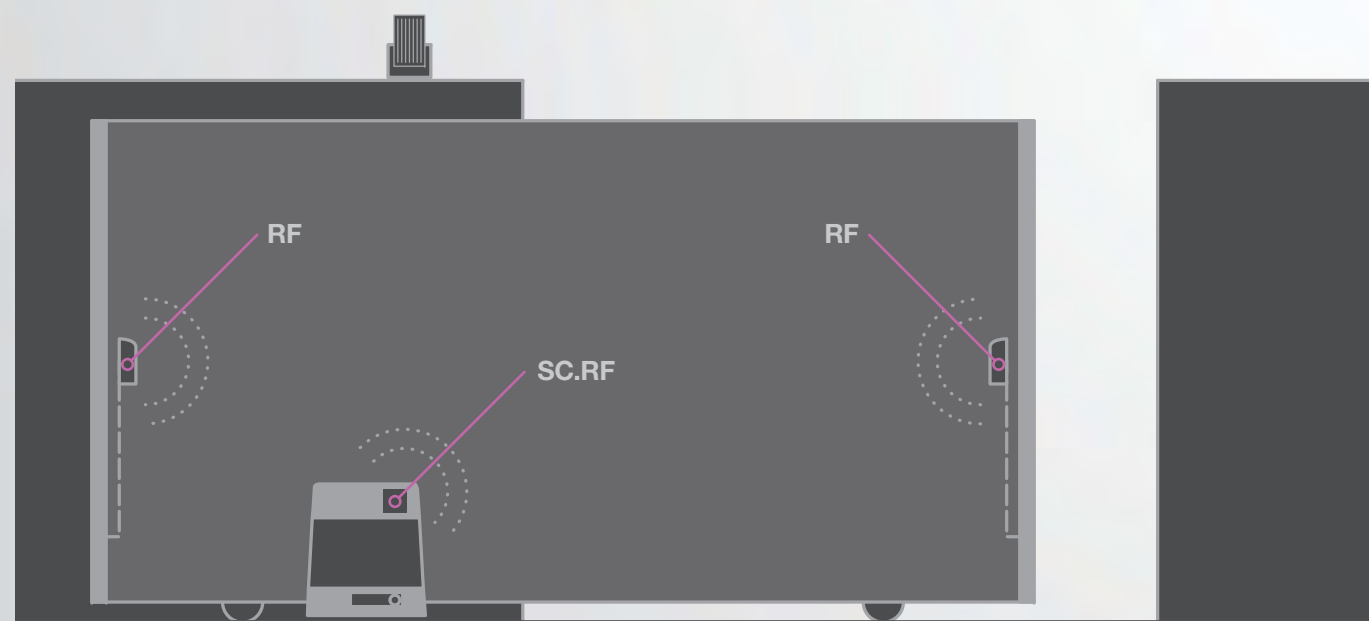
9623565

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



DETECTION AND SAFETY DEVICES

- New BENINCA radio frequency system composed of an 868 MHz transmitter, model RF / RF.SUN combined with the SC.RF receiver
- It allows two-way radio communication between the device installed on the mobile edge of the gate and powered by a battery (connected to a safety sensitive edge) and the receiver
- The absence of wires on the mobile gate device makes it particularly suitable for sectional and industrial doors and for the protection of mobile edges on sliding gates
- The transmitter is available in two models: RF.SUN with a rechargeable battery by means of a photovoltaic panel and RF with a non rechargeable battery
- Both models have an input for the connection of an 8K2 sensitive edge or a mechanical rib, protection level: IP 55
- The SC.RF receiver, powered with 12/24 Vdc, is equipped with an autotest function and 2 relay for connection to the electronic control units
- The new BENINCA device therefore allows the securing of industrial systems, without requiring connection cables in the mobile part of the gate and thus making installation easier on existing systems
- Complies with standard EN12978



RF + 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

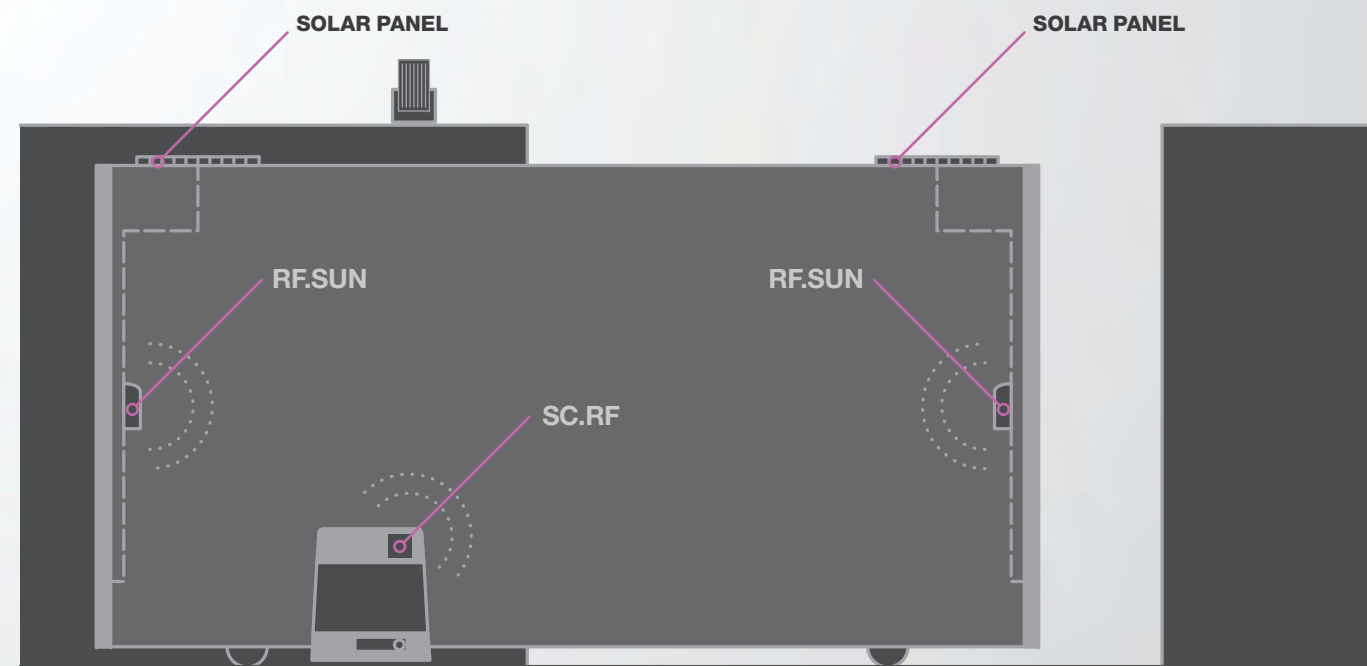
Radio transmitters with a non rechargeable battery, with guaranteed duration 2 years.



SC.RF

9409014

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



RF.SUN + SC.RF APPLICATION



DETECTION AND SAFETY DEVICES



conductive safety edge

SC.RES / SC.RL

9270060 9270061

Safety edge in conductive rubber.
28.5 mm Width.

Minimum packing: 20 m.

SC.RES: 25 mm Height

SC.RL: 65 mm Height



conductive safety edge

SC.A

9667010

Aluminium profile for SC.RES / SC.RL.

Packing 2 m.



conductive safety edge

SC.90

9520005

Angular device set for SC.RES.



mechanical safety edge

SC.R71 / SC.R72

9667062 9667063

SC.R71: Rubber profile, 70 mm high,
for SC.M71. 1.5 m long.

SC.R72: Rubber profile, 70 mm high,
for SC.M72. 2 m long.



mechanical safety edge

SC.M71 / SC.M72

9270040 9270050

Mechanical safety edge, 1.5 m.

Mechanical safety edge, 2 m.



mechanical safety edge

SC.F15 / SC.F20 / SC.F25

9270070 9270071 9270072

Mechanical safety edge, 1.5 m long.

Mechanical safety edge, 2 m long.

Mechanical safety edge, 2.5 m long.



conductive safety edge

SC.L

9520010

Linear device set for SC.RES.



conductive safety edge

SC.EN

9760026

Electronic interface card for 8x2 sensitive edges,
to be used with electronic devices without input
for resistive sensor, or in the case of connecting
2 resistive sensors to a control unit.

Conforms to standard EN12978.



pneumatic safety edge

SC.P35

9270010

Pneumatic safety edge with plugs and
aluminium profile.

Packing: 40m.



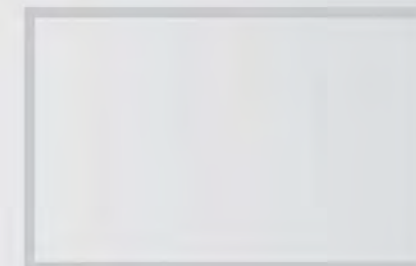
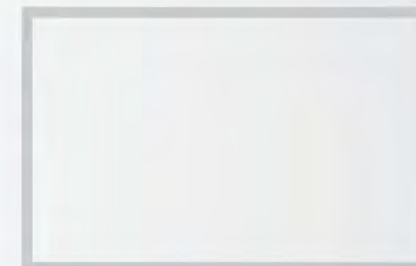
mechanical safety edge

SC.R15

9270002

Rubber profile, 15 mm high, for SC.M71/72.

Packing: 25 m.



INSTRUMENTS FOR THE MEASURING OF THE IMPACT-GENERATED FORCES



IGF-B / IGF-S

9840001 9840002

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



GENERAL TERMS OF SALE

HOW TO REACH US



These Terms of Sale apply to all Sales of Products, at the time of signing the contract or of confirming the order. If there is a conflict between these Terms and the conditions and terms agreed for an individual sale or in any existing commercial contract, the latter will prevail. AUTOMATISMI BENINCÀ shall not be bound by the General Terms of Purchase of the Customer in any circumstance, unless it has given prior consent in writing. AUTOMATISMI BENINCÀ has the right to modify any article in these Terms; any additions, modifications or cancellations shall apply to all sales concluded as from the thirtieth day after the official communication to Customers of the change made.

DEFINITIONS

- AUTOMATISMI BENINCÀ: the joint stock company Automatismi Benincà S.p.A., in the person of its legal representative pro tempore, with head office in Italy, Sandrigo, Via Capitello no. 45, VAT number 02054090242.

- CUSTOMER: any subject (natural or legal person) who purchases the Products and who is not covered by the definition of Consumer according to the Consumer Code.

- DATE OF DESPATCH: the date of the transport document.

- PARTIES: means AUTOMATISMI BENINCÀ S.p.A. and the Customer.

- PRODUCTS: are the Products listed in the catalogue of AUTOMATISMI BENINCÀ, latest version, with the described technical specifications. It is stressed that all illustrative material is merely indicative.

The Products may be modified or taken out of production by Automatismi Benincà at any time.

1) PRICE OF THE PRODUCTS: The prices of the goods are those established in the price list in force at the time of order, which the Customer declares that he knows and accepts; the price list in force cancels all previous ones. AUTOMATISMI BENINCÀ SpA may modify the price list; this modification will be notified to Customers and will be applicable to orders received as from the thirtieth day after said communication. AUTOMATISMI BENINCÀ always reserves the right to modify the price list unilaterally, if said modification is required by circumstances beyond its control: in this case the variation may take effect immediately.

2) TRANSPORT: The goods are sold ex works AUTOMATISMI BENINCÀ SpA– SANDRIGO (Vi), as the term is defined in the Incoterms of the International Chamber of Commerce, in the most updated version. The parties may choose a different term, with an agreement in writing; whatever term they choose, it will be interpreted according to the latest version of INCOTERMS®. The goods travel at the Customer's own risk, even if sent carriage paid. No complaints are accepted five days after receipt of the goods, even with reference to any difference in the products with respect to the type and quantity indicated in the order. A complaint within the term may not give rise to cancellation or reduction of the order by the Customer, nor to any payment of compensation of any kind by AUTOMATISMI BENINCÀ SpA. Any return of goods for credit must be authorised beforehand by AUTOMATISMI BENINCÀ SpA and the goods must be sent carriage paid.

3) RETENTION OF OWNERSHIP: The products shall remain the property of AUTOMATISMI BENINCÀ SpA until the date on which AUTOMATISMI BENINCÀ SpA receives payment of the entire price of the products supplied. In performing his activity, the Customer shall have the right to sell these products, or new products in which the ones supplied by AUTOMATISMI BENINCÀ SpA have been incorporated, in which case all the proceeds are to be transferred to AUTOMATISMI BENINCÀ SpA, up to the amount of the price owed by the Customer for the supply of the products. AUTOMATISMI BENINCÀ SpA shall have the right to notify the Customer of the revocation of the right to sell the Products in his possession and the ownership of which, under this clause of retention of ownership, has not yet passed to the Customer, if the Customer has remained in default for a period of more than seven working days with respect to the payment of any sum owed to AUTOMATISMI BENINCÀ SpA (as regards both these Products and any other goods or services supplied to the Customer by AUTOMATISMI BENINCÀ SpA). If AUTOMATISMI BENINCÀ SpA exerts the right contemplated in the previous paragraph, the Customer must place the products at the disposal of AUTOMATISMI BENINCÀ SpA who may access the Customer's premises to repossess them. While retention of ownership is pending, the Customer assumes the capacity, obligations and responsibilities of the keeper of the sold goods, according to art. 1766 and following articles of the Italian Civil Code. The Customer undertakes to fulfil all the obligations contemplated by the local laws to ensure that this clause of retention of ownership is valid and enforceable with third parties, making the required entries in any special register.

4) ORDERS: The order is received by AUTOMATISMI BENINCÀ SpA without any commitment and subordinate to the possibility of supply of the raw materials necessary for production. Any total or partial non fulfilments cannot give rise to complaints and reserves for damages. If the Customer cancels specific orders for the production of Products not in the catalogue, he is required to pay AUTOMATISMI BENINCÀ SpA compensation amounting to 30% (thirty per cent) of the cancelled order, without prejudice to the right to claim further damages. The orders regularly accepted by AUTOMATISMI BENINCÀ SpA cannot be cancelled by the Customer without the consent of AUTOMATISMI BENINCÀ SpA in writing. Please, it should be noted that AUTOMATISMI BENINCÀ S.P.A. will not accept orders for less than € 100,00 (EUR one hundred/00) VAT excluded, after discount and freight charges.

5) DELIVERY TERMS: The delivery terms run from receipt of the order and are expressed in terms of working days. They are indicative and not essential, according to art. 1457 of the Civil Code: consequently, any delays cannot give rise to claims for damages or to cancellation or reduction of the contract by the Customer.

6) FORCE MAJEURE: Besides those contemplated by the Italian Civil Code, the causes of force majeure that prevent the activity of the AUTOMATISMI BENINCÀ SpA factory and justify delay or interruption of the fulfilment of contracts, relieving AUTOMATISMI BENINCÀ SpA of the responsibility for delays or non delivery of products, also include the following, as an example without limitation: atmospheric events, earthquakes, fires, national, local or factory strikes, interruptions in transports and communications, scarcity of energy and of the necessary raw material. Breakdown of the machinery and production plants.

7) CONDITIONS OF PAYMENT: Payments must be made in Euro, with the terms and procedures indicated on the invoice. Payment in currency other than the Euro will be accepted only if agreed on beforehand in writing with AUTOMATISMI BENINCÀ SpA. If the Parties agree on payment by irrevocable documentary letter of credit, the same will be accepted by AUTOMATISMI BENINCÀ if sent at least sixty days prior to the date of delivery of the Products and if confirmed by an Italian bank approved by AUTOMATISMI BENINCÀ. After the set payment time, AUTOMATISMI BENINCÀ SpA may ask the Customer to pay interest due at the rate established by Legislative Decree 231/02. Once 5 (five) days have passed after the invoice falling due without payment having been made, AUTOMATISMI BENINCÀ SpA may suspend the execution and/or delivery of all other orders and cancel any similar sale or contract that may have been signed at that moment with the Customer. Any such measures undertaken by AUTOMATISMI BENINCÀ SpA do not give the Customer any right to claim compensation for damages.

8) GUARANTEE: Automatismi Benincà offers a conventional guarantee with a duration of 30 months from the date of production marked on the product itself. After 30 months the Customer expressly renounces the right of recourse concerning the legal guarantee with respect to Automatismi Benincà S.p.A., according to art. 131 of the Consumer Code. This right, if exerted within the terms, will not, however, be recognised if the conformity defect depends on incorrect installation by the Customer. It is pointed out that the legal guarantee does not cover all the further circumstances that cannot be attributed to defects in manufacture and/or conformity of the goods. Moreover, in no case can the Customer activate the guarantee if the price of the products has not been paid within the terms and on the conditions agreed or if he is in default, even with reference to other orders or products, with respect to AUTOMATISMI BENINCÀ SpA. By activating the conventional guarantee, the customer may request the repair or replacement of the product, on which free repair or replacement is guaranteed, at the discretion of AUTOMATISMI BENINCÀ SpA, respecting the terms of this guarantee and of the legal requirements. Any defects found must be promptly communicated to AUTOMATISMI BENINCÀ by registered letter with recorded delivery and within the terms indicated by law. In no case does either the legal or the conventional guarantee cover defects due to: negligence or carelessness in use, wear (e.g. failure to follow the instructions for operation of the product or lack of maintenance), installation or maintenance carried out by non authorised personnel, or in an incorrect way and/or not conforming with the instructions; damage during transport, tampering with the product (for example, removal of the labels), tampering with documentation, external agents, undersized product or incorrect product choice. The products that do not fall under these guarantee conditions may be sent to AUTOMATISMI BENINCÀ SpA, who may decide to repair or replace the goods according to the repair price list in force. The individual part repaired under or out of guarantee will be covered by a further guarantee period of 6 months.

9) RESPONSIBILITY: AUTOMATISMI BENINCÀ SpA shall not be responsible for damage resulting from defects in the products, save in the case of malice or gross negligence. Moreover, any responsibility shall derive only and absolutely from the provisions of Italian law. AUTOMATISMI BENINCÀ SpA shall not answer for more than the limit of liability of the Product Risk Insurance policy taken out by the company. AUTOMATISMI BENINCÀ SpA shall not be responsible for indirect damage such as, purely as an example, loss of earnings of the Customer.

10) INTELLECTUAL PROPERTY RIGHTS: The brands of which AUTOMATISMI BENINCÀ SpA is the owner or licence-holder, the patents, the designs or models, the know-how, the technical specifications and data of the products, the domain names containing the brand, are the total and exclusive property of AUTOMATISMI BENINCÀ SpA. The Customer recognises the ownership of these rights by AUTOMATISMI BENINCÀ SpA and undertakes to use them only according to the specific indications of AUTOMATISMI BENINCÀ SpA and in the exclusive interest of the latter, and exclusively for the duration of the contractual relationship between the parties, without this giving the Customer any right or claim. The Customer undertakes not to register, appropriate or ask for protection for any intellectual property right belonging to AUTOMATISMI BENINCÀ SpA. In particular, he undertakes not to register and declares that he has not registered the brands and domain names.

11) EXPRESS TERMINATION CLAUSE: Pursuant to and in accordance with art. 1456 of the Italian Civil Code, AUTOMATISMI BENINCÀ SpA may terminate the existing contract with the Customer in the case of non fulfilment of the obligations contained in the articles 7) Terms of Payment and 10) Intellectual property rights, of these terms of sale. Moreover, AUTOMATISMI BENINCÀ may terminate the existing contract with the Customer with immediate effect in the following cases:

a) if the Customer is subject to insolvency proceedings or winding up, or if the state of the Customer's economic conditions is such as to lead it reasonably to be presumed that the Customer is insolvent; b) if the shares and/or quotas representing the majority or the control of the capital of the Customer are directly or indirectly transferred, assigned or held in escrow.

12) APPLICABLE LAW AND JURISDICTION: The obligations deriving from the relations between AUTOMATISMI BENINCÀ SpA and the Customer, these terms of sale and all the contracts (unless expressly stated otherwise in writing) are regulated by the Italian Civil Code and by Italian law. For any dispute and controversy concerning these general terms of sale or deriving from the contractual relationship between AUTOMATISMI BENINCÀ SpA and the Customer, the exclusive competent court shall be the Court of Vicenza, without affecting the faculty of AUTOMATISMI BENINCÀ SpA to protect its rights by referring the litigation to any Court that it thinks fit.

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

14) INTERPRETATION OF THE TEXT: The Italian text of these general terms of sale, even if drawn up in several languages, will be the only authentic text for the purpose of their interpretation.





BENINCA' THROUGHOUT
THE WORLD



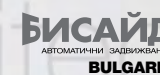
AFILIATED
COMPANIES



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



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



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



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



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



B2U BENINCA PORTUGAL Lda
Nucleo Empresarial da Venda do pinheiro II-AC
2665-593 Venda do Pinheiro Portugal
P +351 219668921
F +351 219668922
geral@b2u.pt
www.beninca.pt



BENINCA POLONIA SP. Z O.O
ul. Holenderska 1
05 - 152 Czosnów
P +48 227239101
F +48 227239099
biuro@beninca.pl
www.beninca.pl



BENINCA USA
Benjoy America LLC.
6357 N.W. 99th AVE
Miami FL 33178 - USA
P 001 - 305 - 418 0090
F 001 - 305 - 716 9271
beninca.usa@beninca.com
www.benincausa.com



BENINCA AUTOMATIONS PRIVATE LIMITED
112/1, Lalbagh Fort Road
Minerva Circle - Bangalore 5600 04
P +91 8041692625
F +91 8041692626
info@beninca.in
www.beninca.in

HEADQUARTER



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



BENINCA VICENZA
via dell'Industria 83
36030 Sarcedo (VI)
T 0445 362082
benincavicenza@beninca.it
www.beninca.it



BENINCA TREVISO
Via Tintoretto, 18
31056 Roncade (TV)
T 0422 473029
F 0422 892367
info@benincatreviso.com
www.beninca.it



B E N I N C À · H O L D I N G ®

BENINCÀ HOLDING SpA

via Capitello, 43
36066 Sandrigo (VI) ITALY
T +39 0444 751030
F +39 0444 759728
www.benincaholding.com

Today **BENINCÀ HOLDING** has become a splendid reality, a dream that has come true to give shape to aims of specialisation that we have always pursued.

A corporate decision to express a precise mission: offering solutions by acting as specialists in the automation sector.

The elephant is the symbol we have chosen for **BENINCÀ HOLDING**, the image that best represents our precise choice of corporate strength and reliability, but also intelligence and dynamism when interacting with international partners and with all customers.



AUTOMATISMI BENINCÀ SpA

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



AUTOMATISMI CAB Srl

via della Tecnica, 10 (Z.I.)
36010 Velo D'Astico (VI) ITALY
T +39 0445 741215
F +39 0445 742094
www.automatismicab.com
info@automatismicab.com



HI MOTIONS Srl

via dell'Industria, 91
36030 Sarcedo (VI) ITALY
T +39 0445 367536
F +39 0445 367520
www.himotions.com
info@himotions.com



RISE Srl

via Maso, 27
36035 Marano V. (VI) ITALY
T +39 0444 751401
www.riseweb.it
info@riseweb.it



BYOU

via Capitello, 45
36066 Sandrigo (VI) ITALY
T +39 0444 1510294
F +39 0444 759728
www.byouweb.com
info@byouweb.com



MYONE Srl

via T. Edison, 11
30035 Ballò di Mirano (VE) ITALY
T +39 041 412542
F +39 041 412542
www.myoneautomation.com
info@myoneautomation.com



IDRAULIC AUTOMATIONS FOR SWINGING GATES



AUTOMATIONS FOR ROLLING SHUTTERS AND SECTIONAL DOORS



OPERATORS FOR WINDOWS AND TILT OPENING WINDOWS



OPERATORS FOR ROLLING SHUTTERS AND BLINDS



CANTILEVER SLIDING GATES



SLIDING GATES ON TRACK



INDUSTRIAL DOORS



SWING GATES



AUTOMATIC, SEMI-AUTOMATIC AND FIXED BOLLARDS



SLIDING DOORS AUTOMATIONS



TURNSTILES



AUTOMATIONS FOR SWING DOORS



ACCESS CONTROL



TRANSMITTERS



EMBEDDED SYSTEM FOR NUMBER PLATES DETECTION



SELECTORS





Catalogue printed on FSC® certified paper produced with raw materials obtained from forests correctly managed from the environmental, economical and social point of view.

FSC® was founded by a group of environmentalist associations including Greenpeace, representatives of native peoples, organisations for cooperation in development, forestry producers, wood industries, scientists and forestry technicians, to create an alternative to the forests destructions.

www.fsc.org



AUTOMATISMI BENINCÀ SpA

via del Capitello, 45

36066 Sandriago (VI)

T +39 0444 751030

F +39 0444 759728

www.beninca.com

sales@beninca.it

FOLLOW US:

