

INSIDE AND OUTSIDE
YOUR WORLD

BENINCA®
TECHNOLOGY TO OPEN



CATALOGUE **2012**

INSIDE AND OUTSIDE YOUR WORLD.

Intelligence, research, passion, technology.
We put all this into our products.
We design them around you.
Our world is your world

INSIDE AND OUTSIDE YOUR WORLD.



BENINCA' is your ideal world because it encapsulates the energy and the values that for over 30 years have been allowing us to create unique quality products, acclaimed and appreciated all over the world. In our products you can find the same values that animate your everyday life: intelligence, in examining and solving problems, strength and determination in pursuing objectives. This all led to making

us a renowned and acclaimed brand. Our products have all the quality and reliability of Italian-made manufacturing you wish for.

The **passion** for our job drives us to improve and innovate products by focusing on the user's needs, thanks to accurate research and development on new technologies.

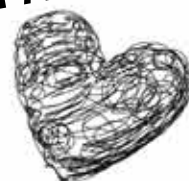
The **environment** is one of our main concerns and this led us to design environmentally sustainable products, making energy savings a revolutionary reality also in the automation sector. Our philosophy is FACE TO FACE: listening and speaking directly with our customers to understand their needs and design adequate solutions. This is all proven by our brand, which is first of all a surname,

an authentic statement of a personal commitment with the market. BENINCA' has become a symbol of quality, professional services and reliability in relationships with people.

The BENINCA' world is all this, a group of people and values, the ones that every day help us improve our world and your world.



PASSION



RESEARCH

INTELLIGENCE



MADE
IN ITALY

TECHNOLOGY

BIODIVERSITY

FACE TO FACE

NEWS 2012

BOB50M

We have expanded the BOB range and with the two new BOB30M and BOB50M models, the new range of automations featuring a unique design and performance is now more than ever able to meet the market's various needs. Available 230 Vac and 24 Vdc versions for gates up to 2.1 m, BOB21, up to 3 m, BOB30 and BOB50, up to 5 m. All three versions are available with or without encoder. Technology, research on materials, quality and design are the ingredients of Italian-made manufacturing for a product that is already a reference point on international markets. BOB the evolution of automation on the market.

MADE IN ITALY

TECHNOLOGY

DESIGN

RESEARCH

MADE IN ITALY

RELIABILITY

PERFORMANCE

BILL

BILL is the motor for 3m and for 5m swinging gates that combines performance, reliability and all the quality of Italian-made manufacturing. It comes in two versions with 300 or 500mm and 230 Vac or 24 Vdc. BILL is the evolution on the market, the result of a product that contains the experience of the long-standing DU.30 motor to which we have added the value of technology and innovation, the result of the company's constant focus on research and development.



BULL80M

The new BULL series, created and designed for gates up to 800 kg for use in blocks of flats. Oil lubrication ensures high performance and longer durability of the gearmotor. Moreover, mechanisms entirely made with metal make it a true reference point in its category.



BULL424ESA/BULL624ESA BULL1024ESA

The new BULL424ESA/BULL624ESA/BULL1024ESA models distinguish themselves on the market not just for their high performance, but also for the ESA SYSTEM technology. The innovative system by BENINCA (pending patent) allows for lower absorption during stand-by, thus ensuring energy savings. BULL424ESA/BULL624ESA/BULL1024ESA are the first motors for sliding gates with a built-in energy savings system.



PERFORMANCE

ESA SYSTEM

ENERGY SAVINGS

DURABILITY

PERFORMANCE



BISON

New generation of sliding motors for industrial use from 2000 to 4500 kg. The BISON range combines all the strength and power of high-performance motor in an absolutely innovative design for the motors of its category.

Ventilated and easily accessible motor, as it is located on the upper part of the motor. All the models, whether single-phase, three-phase and with encoder or inverter can be fitted with side integrable photocells.

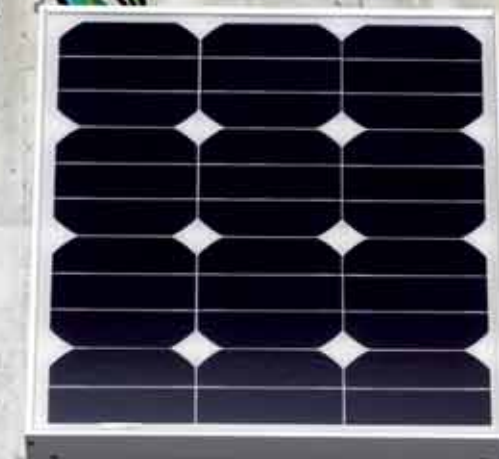


SUN SYSTEM

USE THE SUN TO ENTER IN EVERY DAY!

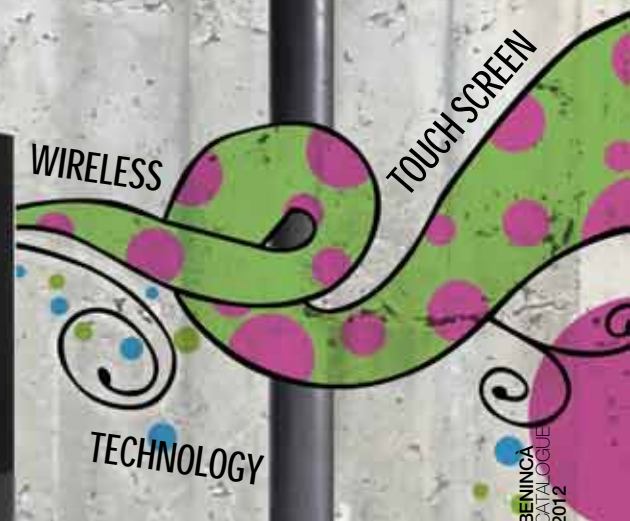
SUN SYSTEM is the new solar-panel operated automation by BENINCA. It is the perfect solution to install automated mechanisms in places where there is no electricity source and without having to carry out costly masonry works.

What's more, thanks to the built-in ESA system, SUN SYSTEM can guarantee a number of manoeuvres also in hours of the day or periods with less-than-ideal solar radiation conditions



BE TOUCH

BE TOUCH is the newly-designed digital wireless keypad by BENINCA, whose name encapsulates its distinguishing technological component. The item is indeed a touchscreen keypad with a flat-battery signalling system and a buzzer for audio signalling and LED backlight. Moreover, the lithium battery guarantees high autonomy levels (4 years).



ONE

One is the new 433.92 Mhz 2-channel receiver that manages three different types of coding: rolling code, programmable code and advanced rolling code (arc). The new receiver picks up the type of code after saving the first transmitter. One is a single product capable of meeting the various needs of the market with maximum flexibility!

VERSATILE

INNOVATIVE

EFFECTIVENESS

EFFICIENCY



ESA SYSTEM

ESA SYSTEM is a brand new entry in the automation world. Indeed BENINCA' is the first to introduce on the market a system that is compatible with all automation systems and that allows for energy savings with a considerable reduction in absorption. Thanks to this system also automatic gates become in every respect a system that meets environmental demands by combining effectiveness and efficiency and ensuring lower energy consumption.



LAMPI.LED / LAMPI24.LED

LAMPI is the new LED flashing light by BENINCA' with built-in aerial 230 Vac or 24 Vdc.

It represents the evolution of previous models and features some key strengths, including versions featuring a built-in aerial with a printed circuit:

- Low absorption levels, 1 W
- Greater durability, up to 80/100,000 hours against the 7000 of the flashing light with bulb
- No maintenance required for the flashing light itself
- High power supply range. The 230 Vac version works with voltages between 80 Vac and 260 Vac, while the 24 Vdc version with voltages between 12 Vac/dc and 30 Vac/dc.



EVOLUTION

SUPERIOR DURABILITY

NEW GENERATION CONTROL UNITS

A new generation of 230 Vac and 24 Vdc control panels that come with an array of functions and operating logics

Self-calibration system in the 230 Vac versions with encoder and in all the 24 Vdc versions. This important function simplifies installation thanks to the automatic adjustment of operating parameters.

Moreover, the presence of access passwords allows to lock the system and increase safety levels, as it does not allow third parties to change operating or safety parameters.

Possibility of setting the number of cycles or manoeuvres after which maintenance should be carried out. The flashing light or the courtesy light.

Reduction of absorption in stand-by mode.

The presence of the encoder in the 230 Vac versions ensures they fully comply with safety standard (this is guaranteed by the amperometric sensor in the 24 Vdc versions). The encoder device also ensures maximum precision in the slowing-down stages and during operation time.



SAFETY

ENERGY SAVINGS



AUTOMATIONS FOR SWINGING GATES

PAGE 14

LINEAR WORM SCREWS	
BOB21M / BOB2124	18
BOB30M / BOB3024	22
BOB50M / BOB5024	26
LINEAR TELESCOPIC OPERATOR	
BILL30M / BILL3024	30
BILL50M / BILL5024	30
ARTICULATED ARM	
BEN	34
MBE24	38
PREMIER / PREMIER24	42
UNDERGROUND INSTALLATION	
DU.IT14N / DU.IT24NVE	46
DU.350N / DU.350NV	50



AUTOMATIONS FOR SLIDING GATES

PAGE 54

RESIDENTIAL USE	
BULL424ESA	56
BULL5M	56
BULL624ESA	60
BULL8M	60
COMMERCIAL USE	
BULL80M	64
BULL10M / BULL1024ESA	68
BULL15M	68
INDUSTRIAL USE	
BULL20M / BULL20T	72
BISON200M/BISON250TI	76
BISON300TI/BISON450TI	80



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

PAGE 84

RESIDENTIAL/COMMERCIAL USE	
ZED / ZED24	86
JIM	90
KEN	94
INDUSTRIAL USE	
VN.S20	98
VN.M20	100
VN.MT40V	102
VN.S40V	106
VN.45E / VN.45E24	110



ROAD BARRIERS

PAGE 114

EVA.5	116
EVA.7	120
LADY / LADY.I	124
VE.500 / VE.500I	128
VE.650 / VE.650I	132



CAR PARK SAVER

PAGE 136

VE.SOR / VE.SOM	138
-----------------	-----



CONTROL PANELS

PAGE 142

CONTROL PANELS	
ESA SYSTEM	144
SUN SYSTEM	146
230 Vac	152
230 / 400 Vac	158
24 Vdc	162



ELECTRONIC SIGNALS & CONTROLS

PAGE 170

RECEIVERS AND TRANSMITTERS	
TO.GO (433,92 Mhz, 868 Mhz)	172
APPLE (433,92 Mhz)	178
IO (433,92 Mhz)	182
RR.4WBV/BP/24	186

PROGRAMMING AND CONTROL SYSTEMS

CALL	188
ADVANTAGE	190



WARNING DEVICES AND SIGNALS

PAGE 194

TRANSPONDER DEVICE	196
KEY-PADS	200
KEY SELECTORS & COLUMNS	204
FLASHING LIGHTS	207
PHOTOCELLS & COLUMNS	208
SAFETY DEVICES	214

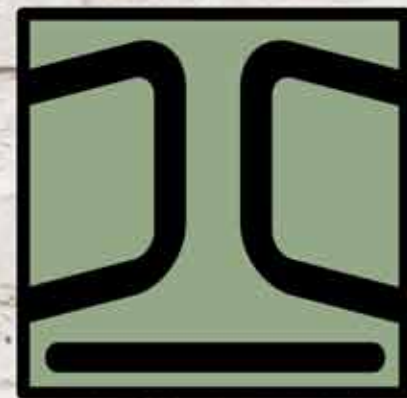


SETS

PAGE 216

230 Vac SWINGING GATES SLIDING GATES	218
24 Vdc SWINGING GATES SLIDING GATES	224



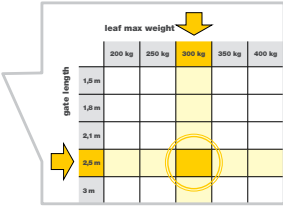


AUTOMATIONS FOR SWINGING GATES

		items	complete sets of automations				items	complete sets of automations
Linear worm screws	leaf up to 2,10m.	BOB21	230 Vac	BOB21M / BOB21ME	Articulated Arm	BEN	24 Vdc intensive use	BN24 / BN.E24 / BN.PD (up to 1,6m)
			24 Vdc intensive use	BOB2124 / BOB2124E				KBN24
		BOB30	230 Vac	BOB30M / BOB30ME		PREMIER	230 Vac	PR.45ER
			24 Vdc intensive use	BOB3024 / BOB3024E				KMB24
		BOB50	230 Vac	BOB50M / BOB50ME		MBE	24 Vdc intensive use	MB24 / MBE24
			24 Vdc intensive use	BOB5024 / BOB5024E				KPR
	leaf up to 3m.	BILL30	230 Vac	BILL30M		PREMIER	230 Vac	PR.45E
			24 Vdc intensive use	BILL3024			24 Vdc intensive use	PR.45E24
		BILL50	230 Vac	BILL50M	Underground Installation	PREMIER	230 Vac	PR.45EL
			24 Vdc intensive use	BILL5024				KPR24
Linear telescopic operator	leaf up to 3m.	DU.IT	230 Vac	DU.IT14NV		DU.350	230 Vac	DU.350NV
			24 Vdc intensive use	DU.IT14N				DU.IT14N
		DU.350	230 Vac	DU.350NV		DU.IT	230 Vac	DU.IT24NVE
			24 Vdc intensive use	DU.350N			24 Vdc intensive use	DU.IT24NVE
		DU.350	230 Vac	DU.350N		DU.350	230 Vac	DU.350N
			24 Vdc intensive use	DU.350N				DU.350N
	leaf up to 5m.	DU.350	230 Vac	DU.350N		DU.350	230 Vac	DU.350N
			24 Vdc intensive use	DU.350N				DU.350N
		DU.350	230 Vac	DU.350N		DU.350	230 Vac	DU.350N
			24 Vdc intensive use	DU.350N				DU.350N

SWINGING GATES: GUIDE FOR CHOOSING

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



LINEAR WORM SCREWS:

gate length	leaf max weight									
	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	600 kg	700 kg	800 kg
1,5 m	BOB21M BOB2124	BOB21M BOB2124	BOB21M BOB2124	BOB21M BOB2124	BOB30M* BOB3024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M
1,8 m	BOB21M BOB2124	BOB21M BOB2124	BOB21M BOB2124	BOB30M* BOB3024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M
2,1 m	BOB21M BOB2124	BOB21M BOB2124	BOB30M* BOB3024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M
2,5 m	BOB30M BOB50M BOB3024 BOB5024	BOB30M BOB50M BOB3024 BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M
3 m	BOB30M BOB50M BOB3024 BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M	
3,5 m	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M	BOB50M			
4 m	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M	BOB50M				
4,5 m	BOB50M BOB5024	BOB50M BOB5024	BOB50M BOB5024	BOB50M	BOB50M					
5 m	BOB50M BOB5024	BOB50M BOB5024	BOB50M	BOB50M						

* with BOB.SL accessory

LINEAR TELESCOPIC OPERATOR:

gate length	leaf max weight								
	200 kg	250 kg	300 kg	350 kg	400 kg	450 kg	500 kg	600 kg	700 kg
2,1 m	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL50M BILL5024	BILL30M BILL50M BILL5024	BILL50M
2,5 m	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL5024	BILL30M BILL5024	BILL50M BILL5024	BILL50M
3 m	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL3024	BILL30M BILL5024	BILL30M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M	
3,5 m	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M		
4 m	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M				
4,5 m	BILL50M BILL5024	BILL50M BILL5024	BILL50M BILL5024	BILL50M					
5 m	BILL50M BILL5024	BILL50M							

ARTICULATED ARM:

gate length	leaf max weight								
	170 kg	200 kg	250 kg	280 kg	300 kg	350 kg	400 kg	500 kg	600 kg
1 m	BEN	BEN	BEN	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45ER PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
1,5 m	BEN	BEN	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45ER PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
1,8 m	BEN	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E PR.45ER PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24
2,1 m	PR.45E PR.45ER MBE24	PR.45E PR.45ER MBE24	PR.45E PR.45ER MBE24	PR.45E PR.45ER MBE24	PR.45E PR.45ER PR.45EL MBE24	PR.45EL PR.45E PR.45ER PR.45E24	PR.45EL PR.45E PR.45ER PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24
2,5 m	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45E MBE24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL
3 m	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL PR.45E PR.45E24	PR.45EL	
3,5 m	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL		
4 m	PR.45EL	PR.45EL	PR.45EL	PR.45EL	PR.45EL				

UNDERGROUND INSTALLATION:

gate length	leaf max weight								
	250 kg	300 kg	350 kg	400 kg	500 kg	550 kg	600 kg	700 kg	800 kg
1,5 m	DU.IT14NV	DU.IT14NV	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350N DU.350NV	DU.IT14N DU.IT24NVE DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N DU.350NV
2,1 m	DU.IT14N DU.IT14NV DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350N DU.350NV	DU.IT14N DU.IT24NVE DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N DU.350NV	DU.350N
2,5 m	DU.IT14N DU.350NV	DU.IT14N DU.350NV	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350N DU.350NV	DU.IT14N DU.IT24NVE DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N DU.350NV	DU.350N	
3 m	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350NV	DU.IT14N DU.IT24NVE DU.350N DU.350NV	DU.IT14N DU.350N DU.350NV	DU.350N	DU.350N		
3,5 m	DU.IT14N DU.IT24NVE DU.350N	DU.IT14N DU.IT24NVE DU.350N	DU.IT14N DU.IT24NVE DU.350N	DU.IT14N DU.350N	DU.IT14N DU.350N	DU.350N			
4 m	DU.350N	DU.350N	DU.350N	DU.350N	DU.350N				

AUTOMATIONS FOR SWINGING GATES

up to 2,10 m



Innovative FACE pair of gears. Mechanics all in metal (Patent pending)



Quick and easy installation thanks to the tapered shape and reduced size (only 8 cm wide)



Unlock device operating from the top, very fast and easy to use



LEGEND ON PAGE 11

BOB21M BOB2124

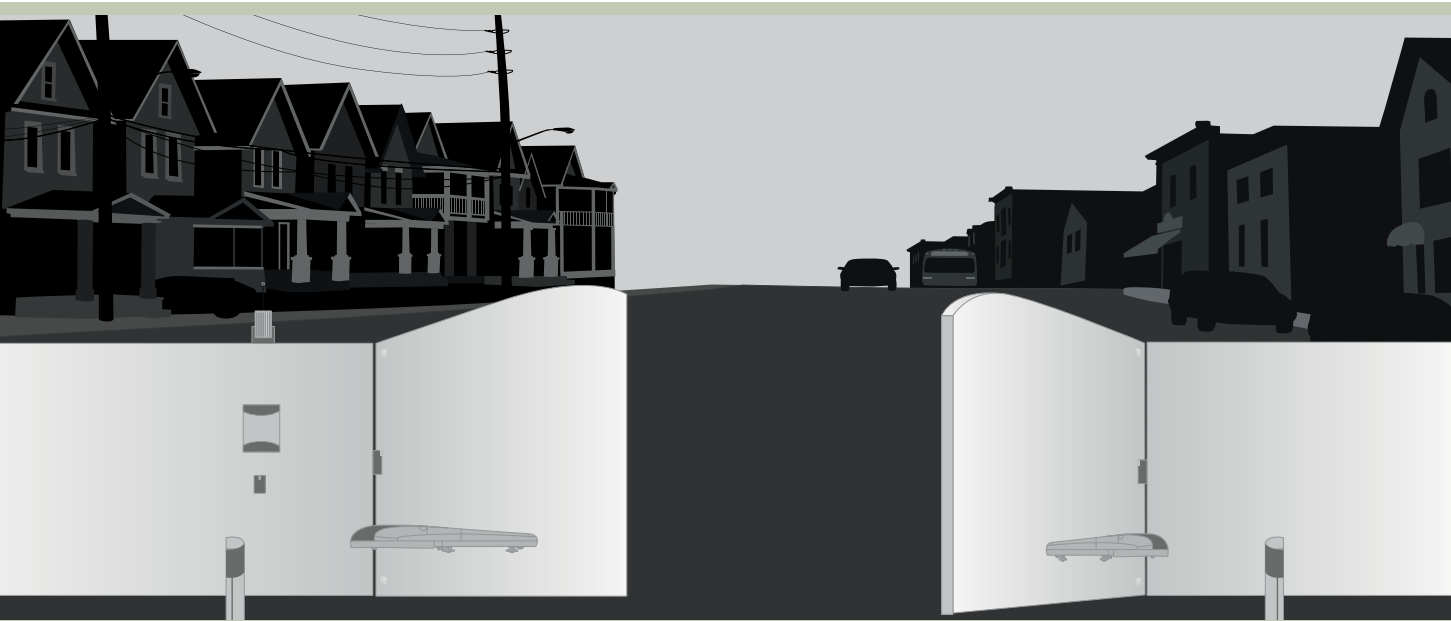
SURFACE MOUNTING

- Self-locking, electromechanical operator, reliable and silent
- Innovative design and strong mechanical components
- Easy and fast to install thanks to the front articulation and to the two mechanical stops, adjustable both in opening and closing phases
- Strong and reliable rolled worm shaft with Ø 20mm spherical section for a silent movement and easy manual operation
- Anti-crushing system available in BOB21ME version with encoder

24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use
- Anti-crushing system with amperometric sensor
- Prepared for battery back-up system
- Available in BOB2124E version with encoder





TECHNICAL DATA	BOB21M	BOB21ME	BOB2124	BOB2124E
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,5 A	1,5 A	5,5 A	5,5 A
Thrust	1800 N	1800 N	1800 N	1800 N
Opening time	18"	18"	9"	9"
Operation cycle	30 %	30%	intensive use	intensive use
Standard stroke	270 mm	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm	325 mm
Protection level	IP 44	IP 44	IP 44	IP 44
Encoder	No	Yes	No	Yes
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Weight	8,2 Kg	8,2 Kg	8,2 Kg	8,2 Kg
Items no. per pallet	54	54	54	54

BOB.CS



Lock with personalized key and cover for BOB21M/BOB2124 unlock system

B.SR



Multiposition brackets for one operator BOB21M/BOB2124.

BOB.SL*



Rear extension for models in the BOB21M and BOB30M series

DU.V96



12 Vdc vertical electric lock, supplied with counterplate. Permits external release

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.9990



Covering plate for DU.V90

E.LOCK



230 Vac vertical electric lock, supplied with counterplate. (ideal for HEADY)

E.LOCKSE



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

ID.TA



Aluminium warning board Available in different languages

HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 153)

BRAINY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

HEADY24



24 Vdc control panel for swinging gates. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162) Only for BOB2124,BOB3024,BILL24 models

BRAINY24



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162)

NIMH.CB



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

BRAINY24.CB



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

CBY.24V



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

**DA.BT6
DA.BT2**

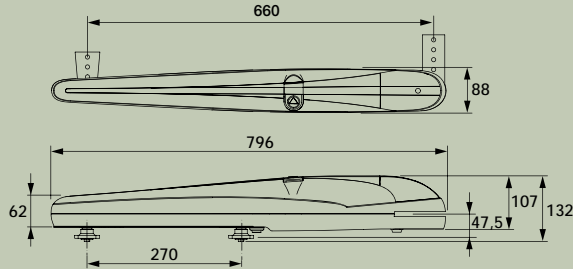


DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

NIMH

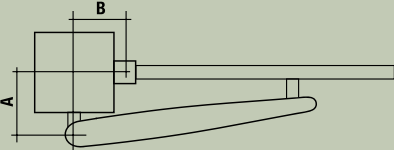


2 Ah , 24 Vdc NIMH batteries



MEASURES

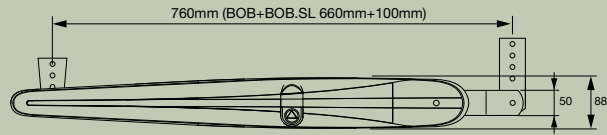
	A	B
BOB21M/BOB2124	105÷135	115÷135



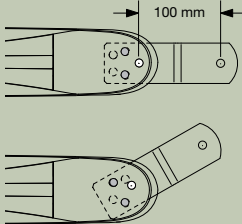
INSTALLATION LIMITS

LEAF DIMENSION	MAX. WEIGHT
1,5m	350 kg
1,8m	300 kg
2,1m	250 kg

***INSTALLATION MEASUREMENTS WITH BOB.SL**



Using BOB.SL bracket you can have an increase of 15% in the leaf performances



SETS AVAILABLE

KBOB21M	18 Sets per pallet
KBOB21ME	18 Sets per pallet
KBOB2124	18 Sets per pallet
KBOB2124E	18 Sets per pallet

p. 218 / 224

AUTOMATIONS FOR SWINGING GATES

up to 3 m



Innovative FACE pair of gears. Mechanics all in metal (Patent Pending).



High quality materials, gear and female screw in bronze.



Unlock device operating from the top, very fast and easy to use.



Built-in lock with personalized key

BOB30M BOB3024

SURFACE MOUNTING

- Self-locking, electromechanical operator, reliable and silent
- Reduced dimensions
- Easy and fast to install thanks to the front articulation and to the two mechanical stops, adjustable both in opening and closing phases
- Strong and reliable rolled worm shaft with Ø 20mm spherical section for a silent movement and easy manual operation
- Anti-crushing system available in BOB30ME version with encoder

24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use
- Anti-crushing system with amperometric sensor
- Prepared for battery back-up system
- Available in BOB3024E version with encoder



HEADY



BRAINY



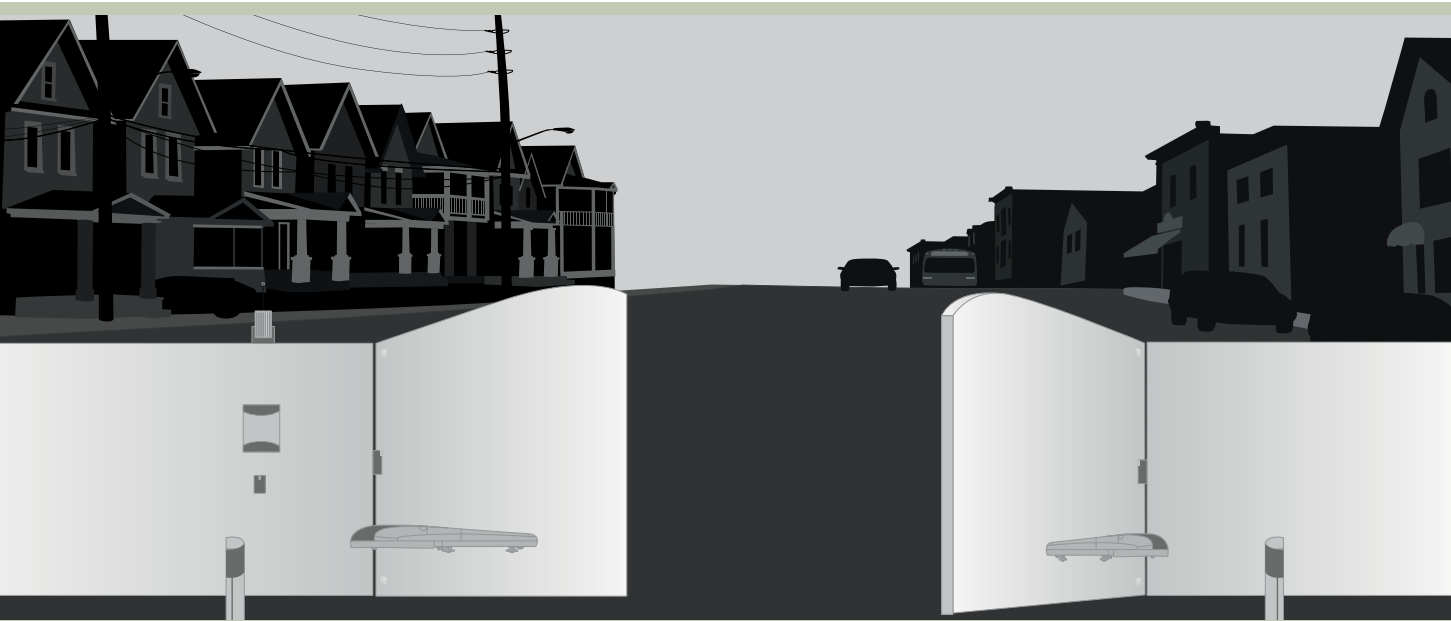
HEADY24



BRAINY24



LEGEND ON PAGE 11



TECHNICAL DATA	BOB30M	BOB30ME	BOB3024	BOB3024E
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,8 A	1,8 A	5,5 A	5,5 A
Thrust	2300 N	2300 N	1800 N	1800 N
Opening time	18"	18"	9"	9"
Operation cycle	30%	30%	intensive use	intensive use
Standard stroke	270 mm	270 mm	270 mm	270 mm
Max stroke	325 mm	325 mm	325 mm	325 mm
Protection level	IP 44	IP 44	IP 44	IP 44
Encoder	No	Yes	No	Yes
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Weight	8,2 Kg	8,2 Kg	8,2 Kg	8,2 Kg
Items no. per pallet	54	54	54	54

B.SR



Multiposition brackets for one operator BOB30M/BOB3024.

BOB.SL*



Rear extension for models in the BOB21M and BOB30M series

DU.V96



12 Vdc vertical electric lock, supplied with counterplate. Permits external release

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.9990



Covering plate for DU.V90

E.LOCK



230 Vac vertical electric lock, supplied with counterplate. (ideal for HEADY)

E.LOCKSE



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

ID.TA



Aluminium warning board. Available in different languages

HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 153)

BRAINY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

HEADY24



24 Vdc control panel for swinging gates. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162) Only for BOB2124,BOB3024,BILL24 models

BRAINY24



24 Vdc control panel for swinging gates. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 162)

NIMH.CB



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

BRAINY24.CB



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

CBY.24V



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

**DA.BT6
DA.BT2**

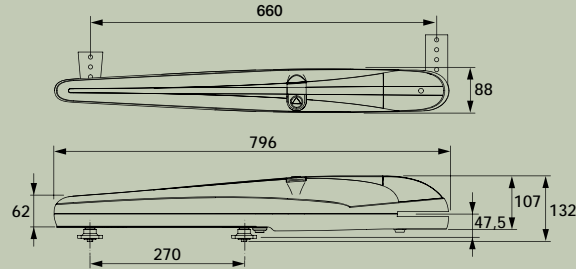


DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

NIMH

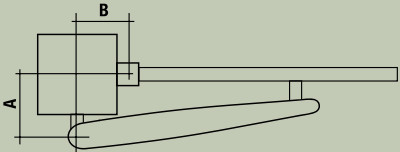


2 Ah , 24 Vdc NIMH batteries



MEASURES

	A	B
BOB30M/BOB3024	105÷135	115÷135

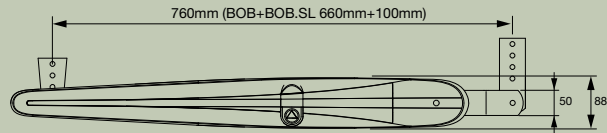


INSTALLATION LIMITS

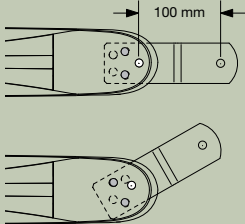
LEAF DIMENSION	MAX. WEIGHT
1,5m**	400 kg
1,8m**	350 kg
2,1m**	300 kg
2,5m	250 kg
3,0m	200 kg

** With BOB.SL

***INSTALLATION MEASUREMENTS WITH BOB.SL**



Using BOB.SL bracket you can have an increase of 15% in the leaf performances



SETS AVAILABLE

KBOB30M	18 Sets per pallet
KBOB30ME	18 Sets per pallet
KBOB3024	18 Sets per pallet
KBOB3024E	18 Sets per pallet

p. 218 / 224

AUTOMATIONS FOR SWINGING GATES

up to 5 m



Release system with a hexagonal key, protected by an aluminium door opened with a customised key.



Innovative FACE pair of gears. Mechanics all in metal (Patent Pending)



High quality materials, gear and female screw in bronze, worm screw in steel



Quick and easy installation thanks to the tapered shape and reduced size (only 10 cm wide)

BOB50M BOB5024

SURFACE MOUNTING

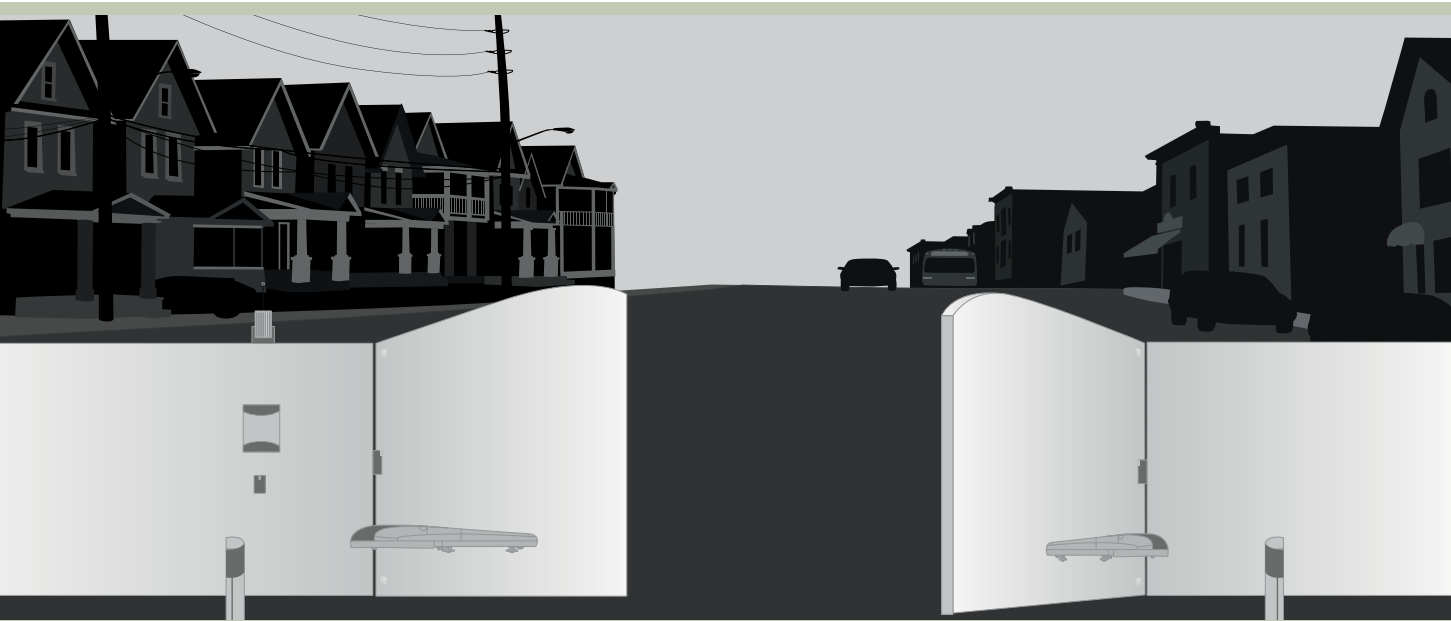
- 230 Vac self-locking electromechanical operator
- Strong definition motor made in Italy, combining high performance, quality and reliability
- Innovative anti-corrosion treatment greatly increasing resistance to atmospheric agents over time.
- Available in two versions: with easily adjustable limit switches in the mechanical stops (BOB50M/BOB5024), and with encoder (BOB50ME). Both versions come with open and close mechanical stops
- Anti-crushing system for BOB50ME version with encoder

24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use
- Anti-crushing system with amperometric sensor
- Prepared for battery back-up system
- Available in BOB5024E version with encoder



LEGEND ON PAGE 11



TECHNICAL DATA	BOB50M	BOB50ME	BOB5024	BOB5024E
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,4 A	1,4 A	6,7 A	6,7 A
Thrust	3500 N	3500 N	2200 N	2200 N
Opening time	26"	26"	21"	21"
Operation cycle	30%	30%	intensive use	intensive use
Standard stroke	455 mm	455 mm	455 mm	455 mm
Max stroke	520 mm	520 mm	520 mm	520 m
Protection level	IP 44	IP 44	IP 44	IP 44
Encoder	No	Yes	No	Yes
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Weight	11,6 Kg	11,6 Kg	11,6 Kg	11,6 Kg
Items no. per pallet	40	40	40	40

B.P



Screw-on plate for models in the BOB50M series

DU.V96



12 Vdc vertical electric lock, supplied with counterplate. Permits external release

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.9990



Covering plate for DU.V90

E.LOCK



230 Vac vertical electric lock, supplied with counterplate. (ideal for HEADY)

E.LOCKSE



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

ID.TA



Aluminium warning board. Available in different languages

HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 153)

BRAINY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 152)

BRAINY24



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 162)

NIMH.CB



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

BRAINY24.CB



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

CBY.24V



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

**DA.BT6
DA.BT2**

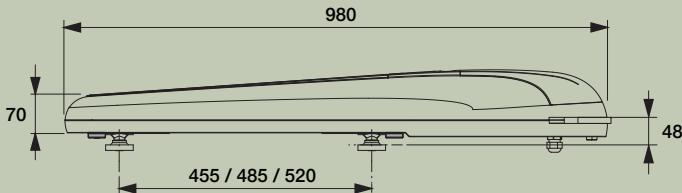
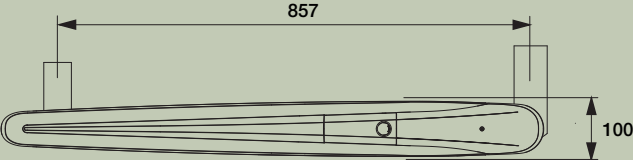


DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

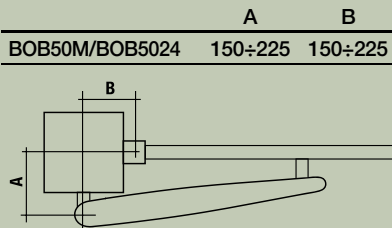
NIMH



2 Ah , 24 Vdc NIMH batteries



MEASURES



INSTALLATION LIMITS	BOB50M/E	BOB5024/E
2,5m	800 kg	600 kg
3,0m	700 kg	600 kg
3,5m	500 kg	400 kg
4,0m *	450 kg	350 kg
4,5m *	400 kg	300 kg
5,0m *	350 kg	250 kg

* For leaves longer than 4m we advise to install an electric lock

SETS AVAILABLE

KBOB50M	12 Sets per pallet
KBOB50ME	12 Sets per pallet
KBOB5024	12 Sets per pallet
KBOB5024E	12 Sets per pallet

p. 218 / 224

AUTOMATIONS FOR SWINGING GATES

for 3 m and for 5 m



Key-operated unlocking system accessible from top: Perfect also in areas where there is limited space



High quality metal gear guaranteeing strength and reliability



Stem cover accessory suited to extreme climates. Innovative (telescopic), saving space at the front.



Thrust on axis

HEADY



BRAINY



HEADY24



BRAINY24



LEGEND ON PAGE 11



BILL BILL24

SURFACE MOUNTING

- 230 Vac irreversible electromechanical geared motor
- Neat design and size, particularly suited to forged iron gates
- 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 with 300 mm stroke (BILL30M series) or 500 mm stroke (BILL50M series).
- Quick and easy to install, thanks to reduced size and installation requirements.

24 Vdc

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





TECHNICAL DATA	BILL30M	BILL50M	BILL3024	BILL5024
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,35 A	1,35 A	5 A	5 A
Thrust	3200 N	3200 N	2000 N	2000 N
Opening time	16"	21"	13"	17"
Operation cycle	30%	30%	intensive use	intensive use
Standard stroke	300 mm	500 mm	300 mm	500 mm
Max stroke	320 mm	520 mm	320 mm	520 mm
Protection level	IP 44	IP 44	IP 44	IP 44
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	5 m	3 m	5 m
Weight	6,5 Kg	7,1 Kg	4,9 Kg	5,5 Kg
Items no. per pallet	66	55	66	55

B.SR



Multiposition brackets for one operator
BILL30M/50M/3024/5024.

BILL30.CO



Telescopic stem cover accessory for models
BILL30M and BILL3024

BILL50.CO



Telescopic stem cover accessory for models
BILL50M and BILL5024

DU.V96



12 Vdc vertical electric lock, supplied with counterplate.
Permits external release

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate.
Permits external release

DU.9990



Covering plate for DU.V90

E.LOCK



230 Vac vertical electric lock, supplied with counterplate.
(ideal for HEADY)

E.LOCKSE



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

ID.TA



Aluminium warning board
Available in different languages

HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions.
(for full features see page 153)

BRAINY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

HEADY24



24 Vdc control panel for swinging gates. Programmable through the display, built-in 433.92 Mhz 64-code receiver. (for full features see page 162)

BRAINY24



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 162)

NIMH.CB



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

BRAINY24.CB



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

CBY.24V



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

DA.BT6 DA.BT2



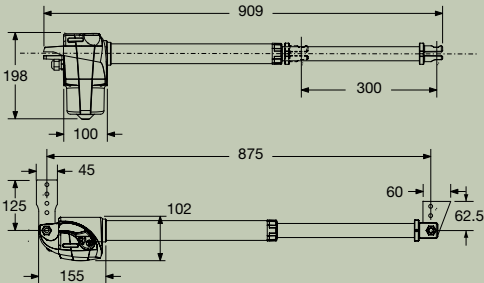
DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

NIMH

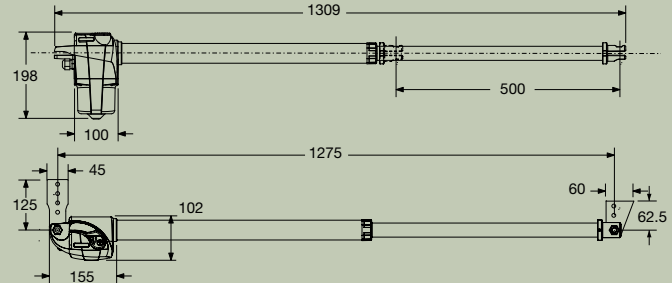


2 Ah , 24 Vdc NIMH batteries

BILL30M BILL3024

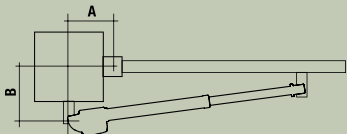


BILL50M BILL5024



MEASURES

	A	B
BILL30M/24	100-150 mm	100-150 mm
BILL50M/24	120-250 mm	120-250 mm



	BILL30M	BILL3024
2,1m	600 Kg	450 Kg
2,5m	500 Kg	400 Kg
3m	400 Kg	300 Kg

* For leaves longer than 2,5m we advise to install an electric lock. Mechanical spots for the leaves are required.

	BILL50M	BILL5024
2,1m	700 Kg	600 Kg
2,5m	700 Kg	600 Kg
3m	600 Kg	500 Kg
3,5m	500 Kg	450 Kg
4m	400 Kg	350 Kg
4,5m	350 Kg	300 Kg
5m	250 Kg	200 Kg

SETS AVAILABLE

KBILL30M	32 Sets per pallet
KBILL3024	32 Sets per pallet
KBILL40M	14 Sets per pallet
KBILL50M	14 Sets per pallet
KBILL5024	14 Sets per pallet

p. 218 / 224

AUTOMATIONS FOR SWINGING GATES

up to 1,8 m

BEN



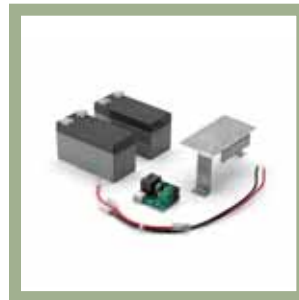
Unlock device with key



Articulated anti-shearing arm
made of painted aluminium



Compact design combines
simplicity requirements
and all of the strength and
quality of the BENINCA'
range



Operation continuity
guaranteed in case of
power failure with the back
up battery unit may be
integrated in the operator

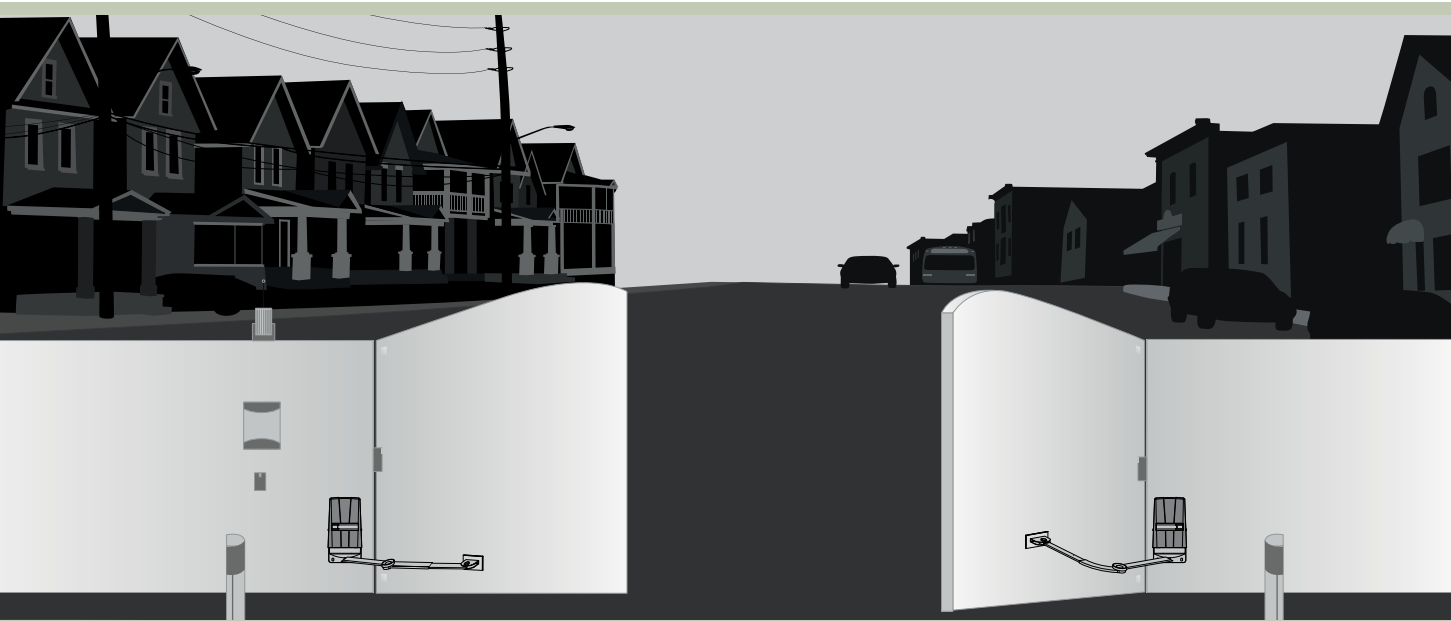


SURFACE MOUNTING

- 24Vdc Self-locking electromechanical operator for intensive use
 - Suitable for gates installed on large posts
- Operation continuity guaranteed in case of power failure with the battery back up unit integrated in the operator
 - Amperometric anticrushing control
- 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
- BN.PD available for use in pedestrian gates. Requires BA articulated arm or BN.BS sliding arm



LEGEND ON PAGE 11



TECHNICAL DATA	BN24	BN.E24	BN.PD
Power supply	-	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc	24 Vdc
Max. absorbed current	4,6 A	0,76 A	0,76 A
Torque	125 Nm	125 Nm	125 Nm
Opening time	10"	10"	7"(with BN.BS)
Operation cycle	intensive use	intensive use	intensive use
Protection level	IP 44	IP 44	IP44
Mechanical stop	adjustable in opening	adjustable in opening	adjustable in opening
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Weight	6 kg	7,9 kg	7,9 kg
Built in control unit	No	Yes	Yes
Version	KIT only	KIT only	loose/pedestrian usage

BN.SE



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

BA



Single arm for BN24/BN.E24/BN.PD

BN.BS



Sliding arm for BN24/BN.E24/BN.PD

ID.TA



Aluminium warning board
Available in different languages

BN.CB



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

BN.24V

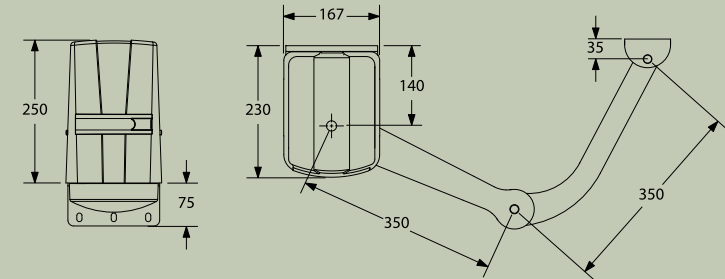
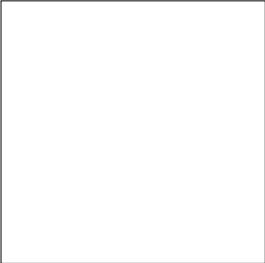
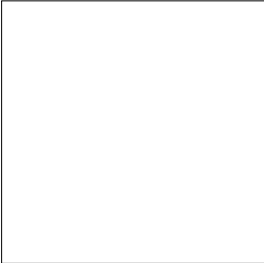
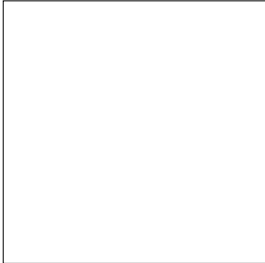
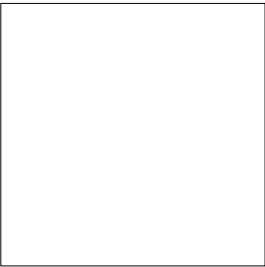
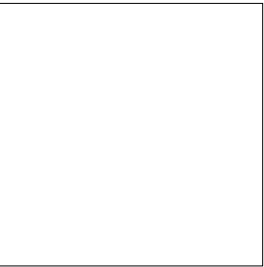
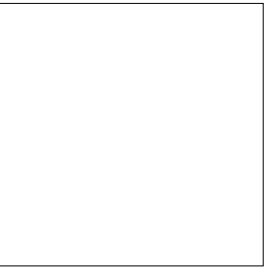
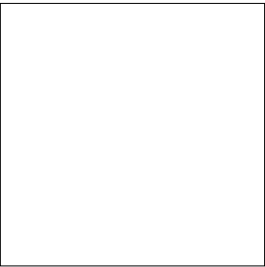
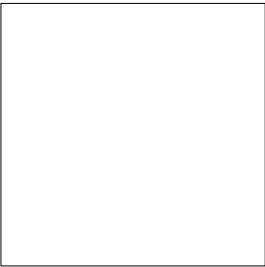
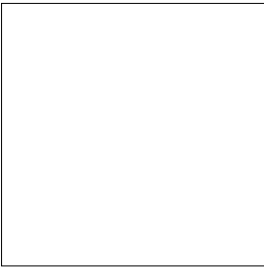
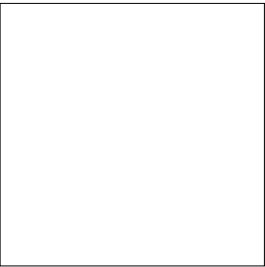


Battery charger card

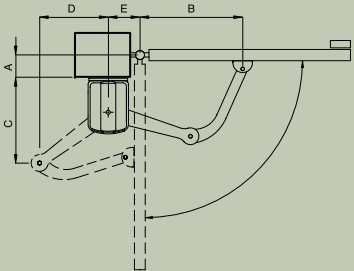
DA.BT6
DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box



MEASURES



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

INSTALLATION LIMITS

BN24/BN.E24	
LEAF DIMENSION	MAX. WEIGHT
1 m	250 Kg
1,5 m	200 Kg
1,8 m	170 Kg

BN.PD	
LEAF DIMENSION	MAX. WEIGHT
0,8 m	150 Kg
1,2 m	130 Kg
1,6 m	100 Kg

SETS AVAILABLE

KBN24 12 sets per Pallet

p. 224

AUTOMATIONS FOR SWINGING GATES

up to 2,5 m



Available with or without control panel



Equipped with unlock device operating by means of a personalized key and prepared for cable unlock device



BRAINY24 unit with built-in receiver and multiple operating logics that can be programmed on the display device

MB24 MBE24

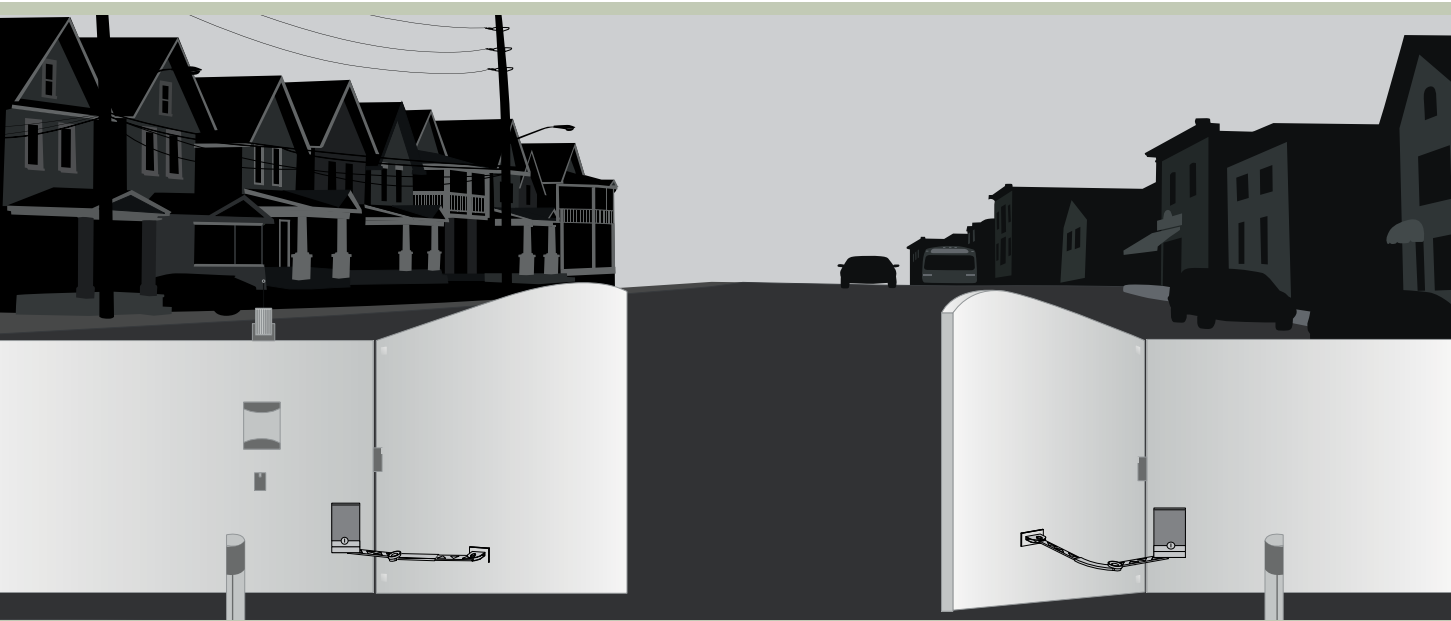
SURFACE MOUNTING

- 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
 - Amperometric anticrushing control
 - Prepared for battery back-up system

BA arm not included



LEGEND ON PAGE 11



TECHNICAL DATA	MB24	MBE24
Power supply	-	230 Vac
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	IP 44	IP 44
Operating temp.	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	2,5 m	2,5 m
Weight	9 Kg	10,7 Kg
Built in control unit	No	Yes
Items no. per pallet	42	42

BA



Single arm for MB24/MBE24

BS



Sliding arm for MB24/MBE24

MB.CP2



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

MB.SE



Externally fitted anti-intrusion cable unlock device to unlock the gate from outside

DU.V96



12 Vdc vertical electric lock, supplied with counterplate. Permits external release.

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.9990



Covering plate for DU.V90

ID.TA



Aluminium warning board Available in different languages

BRAINY24



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 162)

BRAINY24.CB



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

CBY.24V



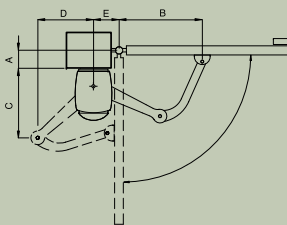
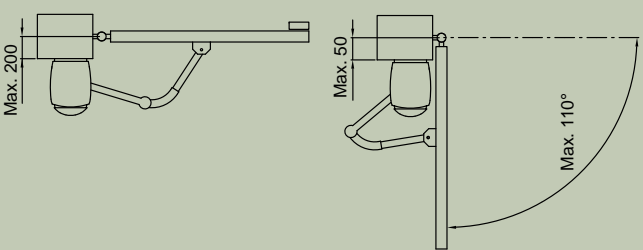
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

DA.BT6
DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

MEASURES



α°	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)
90°	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
110°	0	420	266	327	200
105°	100	420	305	309	200

INSTALLATION LIMITS

LEAF DIMENSION	MAX. WEIGHT
1,8 m	350 kg
2,1 m	300 kg
2,5 m	280 kg

SETS AVAILABLE

KMB24 12 Sets per pallet

p. 224

AUTOMATIONS FOR SWINGING GATES

up to 4 m without control panel



Unlock device by means of a personalized key



Equipped with limit switches in opening and closing



Prepared for battery back-up system



LEGEND ON PAGE 11

PREMIER PREMIER24



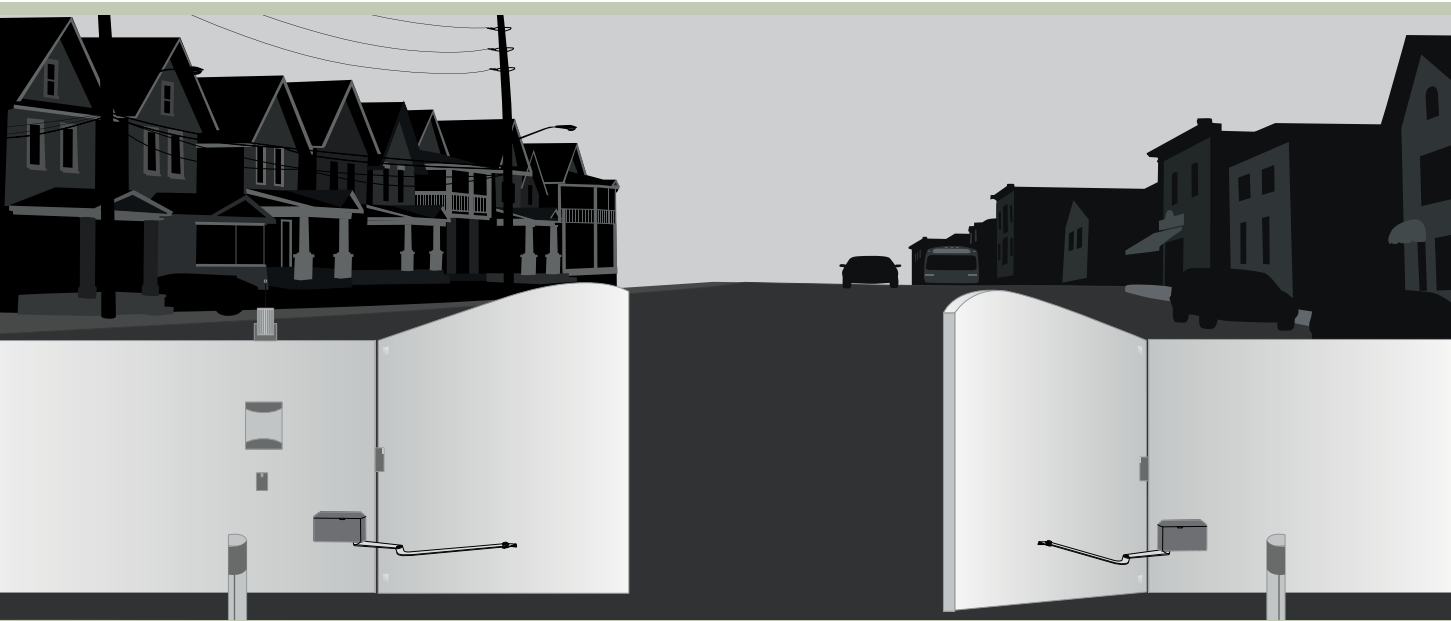
SURFACE MOUNTING

- Self-locking or reversible electromechanical operators suitable for gates installed on large posts
- With strong, articulated, galvanized steel anti-shearing arm
- Only one version for right/left hand side installations
- Equipped with limit switches in opening and closing

24 Vdc

- 24Vdc Self-locking electromechanical operator suitable for gates installed on large posts
- Amperometric anticrushing control

DU.E2 arm not included



TECHNICAL DATA	PR.45E	PR.45EL	PR.45ER	PR.45E24
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	230 Vac	24 Vdc
Max. absorbed current	1,75 A	1,45 A	1,75 A	9 A
Torque	325 Nm	300 Nm	250 Nm	320 Nm
Opening time	13"	20"	7"	9"
Operation cycle	30%	30%	40%	intensive use
Protection level	IP 44	IP 44	IP 44	IP 44
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3 m	4 m	2,1 m	3 m
Weight	13 Kg	13 Kg	13 Kg	13 Kg
Reversible	No	No	Yes	No
Items no. per pallet	68	68	68	68

DU.E2



Single galvanized steel arm for PR.45/PR.45EL/PR.45ER/PR.45E24

MB.SE



Externally fitted anti-intrusion cable unlock device to unlock the gate from outside

DU.V96



12 Vdc vertical electric lock, supplied with counterplate. Permits external release.

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.9990



Covering plate for DU.V90

E.LOCK



230 Vac vertical electric lock, supplied with counterplate. (ideal for HEADY)

E.LOCKSE



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

ID.TA



Aluminium warning board Available in different languages

HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 153)

BRAINY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

BRAINY24



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 162)

NIMH.CB



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

BRAINY24.CB



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

CBY.24V



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

DA.BT6 DA.BT2

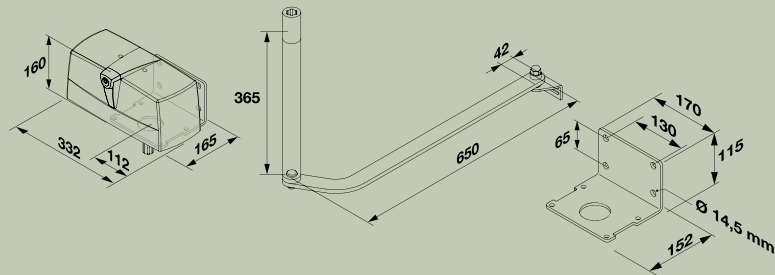


DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

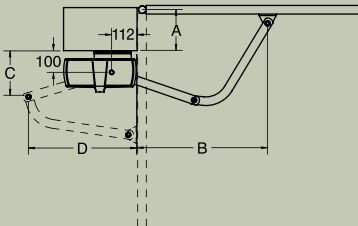
NIMH



2 Ah , 24 Vdc NIMH batteries



MEASURES



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

INSTALLATION LIMITS PR.45E	
LEAF DIMENSION	MAX. WEIGHT
2,1 m	600 kg
2,5 m	500 kg
3,0 m	400 kg
INSTALLATION LIMITS PR.45ER	
LEAF DIMENSION	MAX. WEIGHT
2,1m	400 kg

INSTALLATION LIMITS PR.45EL	
LEAF DIMENSION	MAX. WEIGHT
2,1m	600 kg
2,5m	600 kg
3,0m	500 kg
3,5m *	400 kg
4,0m *	300 kg

INSTALLATION LIMITS PR.45E24	
LEAF DIMENSION	MAX. WEIGHT
2,1 m	600 kg
2,5m	500 kg
3,0m	400 kg

* For leaves longer than 3,5 m we advise to install an electric lock

SETS AVAILABLE

KPR	12 Sets per pallet
KPR.24	12 Sets per pallet

p. 218 / 224

AUTOMATIONS FOR SWINGING GATES

up to 3,5 m

DU.IT14N DU.IT24NVE



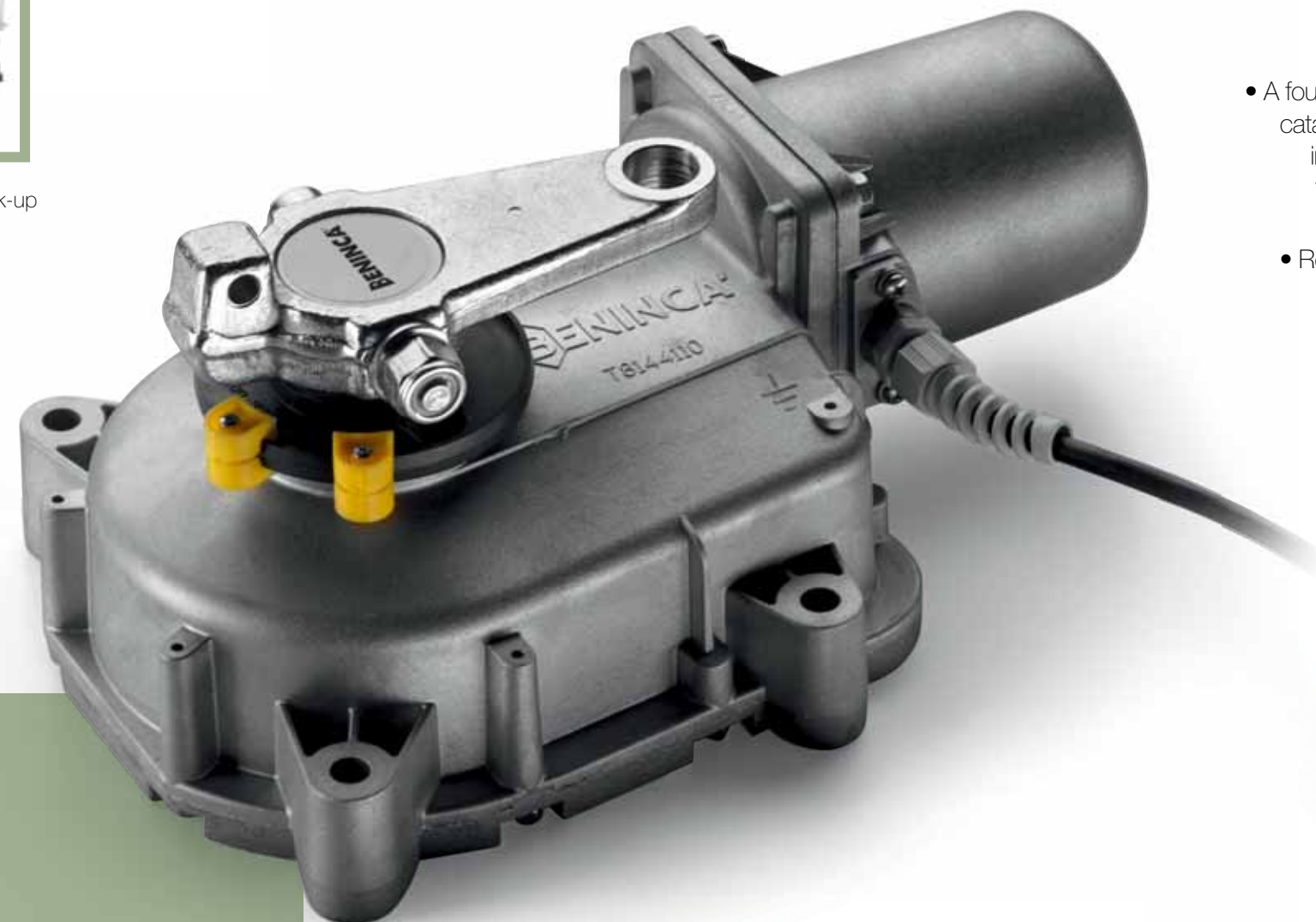
Personalized key operated
unlocking system (SB.DUITK)
or lever operated unlocking
system (SB.DUITL)



Prepared for 180°
release device



Prepared for battery back-up
system

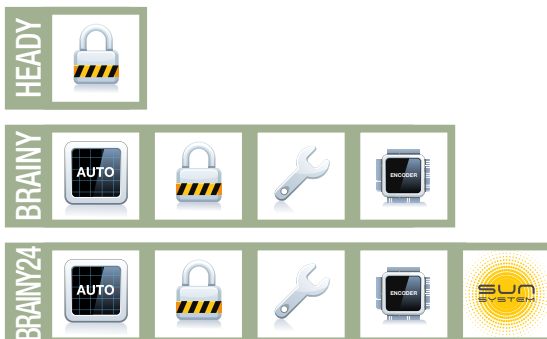


UNDERGROUND INSTALLATION

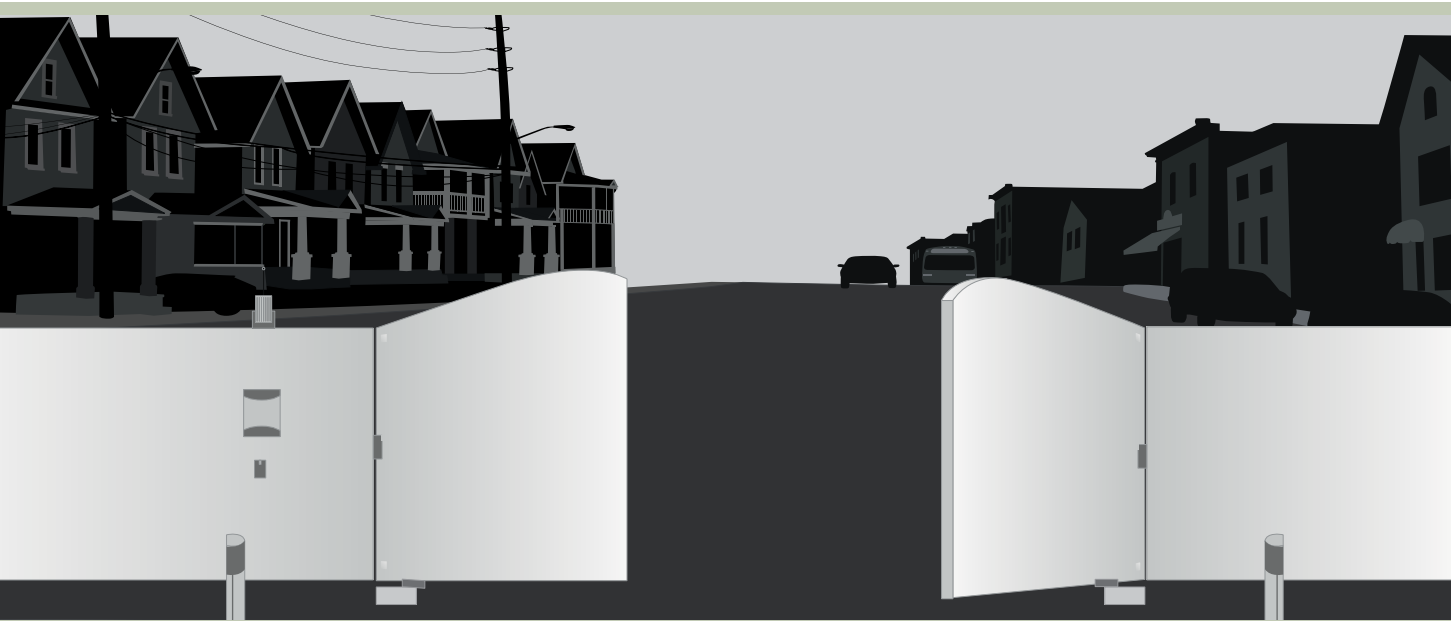
- Self-locking electromechanical operator
- A foundation box made of stainless steel or with cataphoresis coating for the actuator facilitates installation and makes it possible to replace the actuator without having to disassemble the existing gate
- Reliable and strong reduction unit with all the mechanical components made of steel
- Available in quick version DU.IT14NV

24 Vdc

- Self-locking 24Vdc electromechanical operator for intensive use
- Prepared for battery back-up system
 - Electromechanical limit switches available as accessory (DU.FCN)
 - Amperometric anticrushing control



LEGEND ON PAGE 11



TECHNICAL DATA	DU.IT14N	DU.IT14NV	DU.IT24NVE
Power supply	230 Vac	230 Vac	230 Vac
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	IP 67	IP 67	IP 67
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	3,5 m	2,1 m	3,5 m
Weight	11,6 Kg	11,6 Kg	10 Kg
Encoder	No	No	Yes
Items no. per pallet	44	44	44

DU.ITIX



Self-supporting stainless steel foundation box, max opening of 110°. Comes only with cover, requires an unlocking accessory operated with hex key (SB.DUIT.L) or personalized key (SB.DUIT.K). Built-in mechanical open and close stops

DU.ITCF



Self-supporting foundation box with cataphoresis coating, max opening of 110°. Comes only with cover, requires an unlocking accessory operated with hex key (SB.DUIT.L) or personalized key (SB.DUIT.K). Built-in mechanical open and close stops

SB.DUIT.K
SB.DUIT.L



Unlocking kit consisting of an unlocking system with personalized key (SB.DUIT.K) or hex key (SB.DUIT.L) and components for connecting the motor to the gate.

SB.DU180.K
SB.DU180.L



180°release device for DU.IT14N/NV/NVE with personalized key (SB.DU180.K) or hex key (SB.DU180.L).

DU.ITST



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

DU.FCN



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

ID.TA



Aluminium warning board Available in different languages

HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 153)

BRAINY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

BRAINY24



24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 162)

DU.V96



12 Vdc vertical electric lock, supplied with counterplate. Permits external release

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.9990



Covering plate for DU.V90

E.LOCK



230 Vac vertical electric lock, supplied with counterplate. (ideal for HEADY)

E.LOCKSE



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

NIMH.CB



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

BRAINY24.CB



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

CBY.24V



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

DA.BT6
DA.BT2

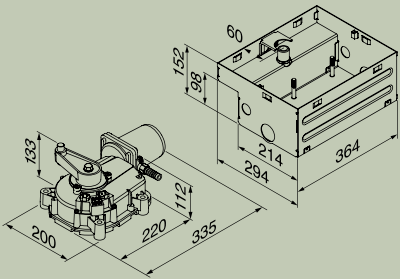


DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

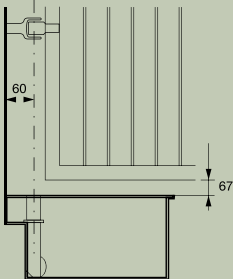
NIMH



2 Ah , 24 Vdc NIMH batteries



MINIMUM
MEASURES



INSTALLATION LIMITS	DU.IT14N
LEAF DIMENSION	MAX. WEIGHT
2,1m	600 kg
2,5m	550 kg
3,0m	500 kg
3,5m	400 kg

INSTALLATION LIMITS	DU.IT14NV
LEAF DIMENSION	MAX. WEIGHT
1,5m	300 kg
2,1m	250 kg

INSTALLATION LIMITS	DU.IT24NVE
LEAF DIMENSION	MAX. WEIGHT
2,1m	500 kg
2,5m	500 kg
3,0m	400 kg
3,5m	350 kg

Items no. per pallet

DU.ITX	32 per pallet
DU.ITCF	32 per pallet

AUTOMATIONS FOR SWINGING GATES

from 3 to 4 m



Personalized key operated unlocking system (SB.DU350.K) or lever operated unlocking system (SB.DU350.L)



Prepared for the installation of electromechanical water-proof limit switches



Reliable and strong reduction unit with all the mechanical components made of steel and submerged in oil to assure a long life of the operator

DU.350N

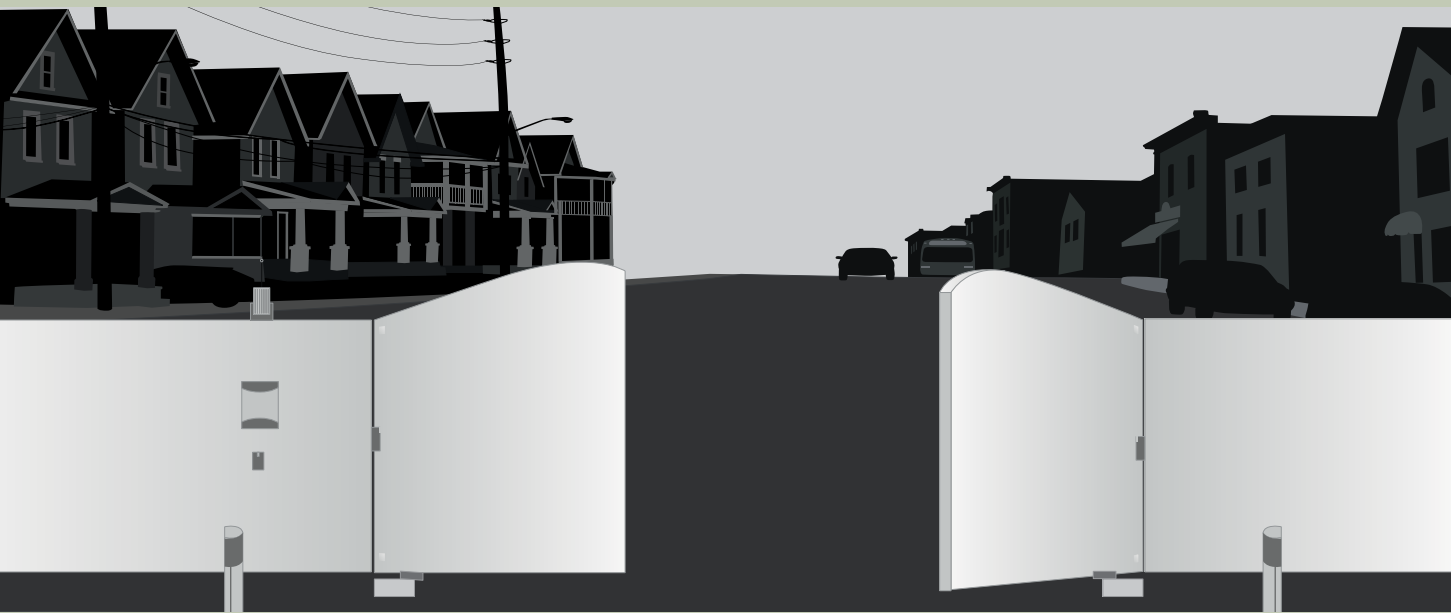


UNDERGROUND INSTALLATION

- Self-locking electromechanical operator available in two versions: standard speed or fast speed
- Water-proof operator with reduction unit in oil bath
- A foundation box with cataphoresis coating for the actuator facilitates installation and makes it possible to replace the actuator without having to disassemble the existing gate
- Prepared for the installation of electromechanical water-proof limit switches
- Adjustable mechanical stops included



LEGEND ON PAGE 11



TECHNICAL DATA	DU.350N	DU.350NV
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac
Max. absorbed current	1,7 A	1,7 A
Torque	450 Nm	370 Nm
Opening time	22"	16"
Operation cycle	intensive use	intensive use
Protection level	IP 67	IP 67
Operating temp.	-20°C /+50°C	-20°C /+50°C
Leaf max dimension	4 m	3 m
Lubrication	Oil	Oil
Weight	22 Kg	24 Kg
Limit switch included	No	No
Items no. per pallet	32	32

DU.350CF



Self-supporting foundation box with cataphoresis coating, max opening of 110°. Comes only with cover, requires an unlocking accessory operated with hex key (SB. DU350.L) or personalized key (SB. DU350.K). Built-in mechanical open and close stops

SB.DU350.K



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

SB.DU350.L



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

SB.180.K



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

SB.180.L



180° release device for DU.350N/NV with external level

DU.350ST



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

DU.V96



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.V90



12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.9990



Covering plate for DU.V90

E.LOCK



230 Vac vertical electric lock, supplied with counterplate. (ideal for HEADY)

E.LOCKSE



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

ID.TA



Aluminium warning board Available in different languages

HEADY



230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and fixed slowing-down functions. (for full features see page 153)

BRAINY

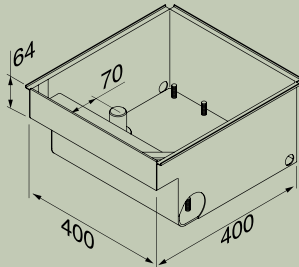
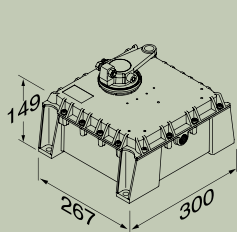
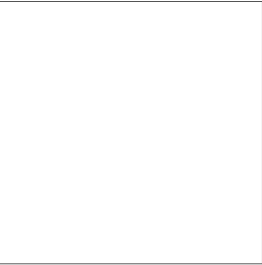
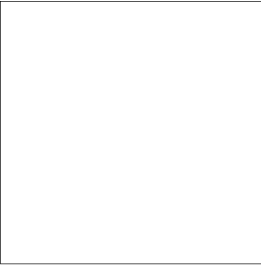
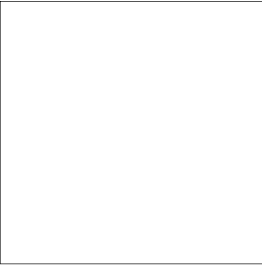
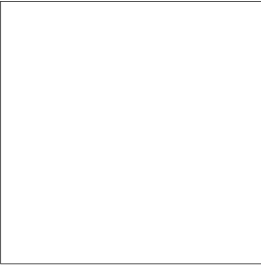


230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)

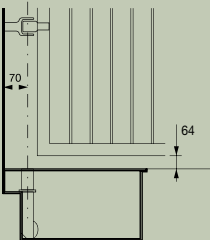
DU.350FC



Water-proof limit switches device for DU.350N/NV



MINIMUM MEASURES



INSTALLATION LIMITS	DU.350N
LEAF DIMENSION	MAX. WEIGHT
2,1m	800 kg
2,5m	700 kg
3,0m	600 kg
3,5m	550 kg
4,0m *	500 kg

INSTALLATION LIMITS	DU.350NV
LEAF DIMENSION	MAX. WEIGHT
2,1m	700 kg
2,5m	600 kg
3,0m	500 kg

* For leaves longer than 4m we advise to install an electric lock

Items no. per pallet
DU.350CF 24 per pallet



AUTOMATIONS FOR SLIDING GATES

	items		complete sets of automations			items		complete sets of automations	
Residential Use	400 Kg	BULL — 24 Vdc - intensive use	BULL424ESA / BULL424ESA.S	KBULL424 / KBULL424.S	Commercial Use	800 Kg	BULL — 230 Vac	BULL80M / BULL80M.S	KBULL80M / KBULL80M.S
	500 Kg	BULL — 230 Vac	BULL5M / BULL5M.S	KBULL5M / KBULL5M.S		1000 Kg	BULL — 230 Vac 24 Vdc - intensive use	BULL10M / BULL10M.S BULL1024ESA / BULL1024ESA.S	KBULL10M / KBULL10M.S KBULL1024 / KBULL1024.S
	600 Kg	BULL — 24 Vdc - intensive use	BULL624ESA / BULL624ESA.S	KBULL624 / KBULL624.S		1500 Kg	BULL — 230 Vac	BULL15M / BULL15M.S	KBULL15M / KBULL15M.S
	800 Kg	BULL — 230 Vac	BULL8M / BULL8M.S	KBULL8M / KBULL8M.S					
Industrial Use						2000 Kg	BULL — 230 Vac 400 Vac - intensive use BISON — 230 Vac - intensive use	BULL20M BULL20T BISON200M	KBULL20M / KBULL20M.S
						2500 Kg	BISON — three-phase version with built - in inverter intensive use	BISON250TI	
						3000 Kg	BISON — three-phase version with built - in inverter intensive use	BISON300TI	
						4500 Kg	BISON — three-phase version with built - in inverter intensive use	BISON450TI	

AUTOMATIONS FOR SLIDING GATES

up to 400 / 500 kg

supplied with control unit and integrated receiver



Design and shape designed to convey all the strength and reliability of the motor



Fast and easy unlock device with a customized key



Raised foundation plate included 260 x 117, n.4 Ø 11 floor brackets, 300 x 75 n.4 M8 screws for motor



230 Vac control unit with built-in 433.29 Mhz 62-code radio receiver, automatic and semi-automatic operating logic



LEGEND ON PAGE 11

BULL5M BULL424ESA

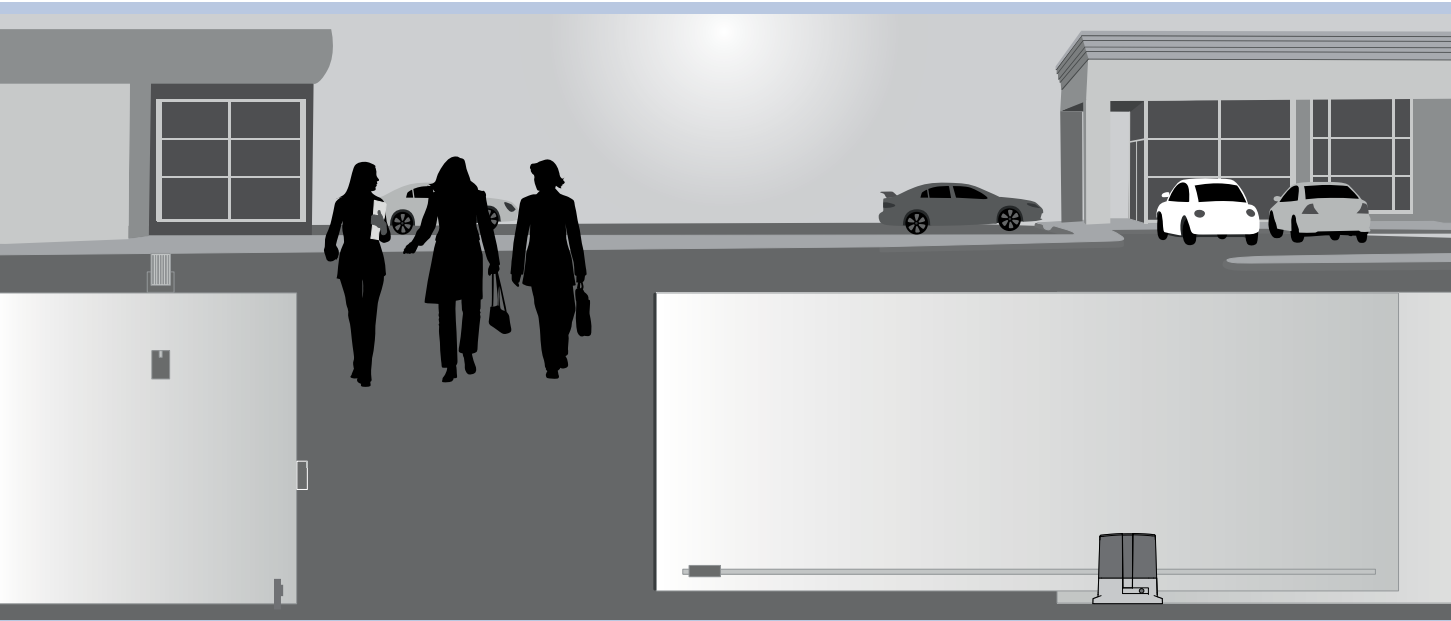
RESIDENTIAL USE

- 230 Vac single-phase electromechanical geared motor with built-in control unit
- Possibility of connecting encoder with MAG.E accessory
 - Easy to use unlock device
- Available in version with magnetic limit switches (BULL5M.S)

24 Vdc

- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM and encoder.
 - Anti-crushing system with amperometric sensor
- Battery operated in the event of a power failure
- Available in version with magnetic limit switches (BULL424ESA.S)





TECHNICAL DATA	BULL5M	BULL5M.S	BULL424ESA	BULL424ESA.S
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	1,3 A	1,3 A	0,4 A	0,4 A
Power consumption in stand by	-	-	8 mA	8 mA
Thrust	650 N	650 N	428 N	428 N
Opening speed	10,5 m/min	10,5 m/min	11/6,7 m/min	11/6,7 m/min
Operation cycle	30%	30%	intensive use	intensive use
Protection level	IP 44	IP 44	IP 44	IP 44
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+ 50°C	-20°C /+50°C
Max gate weight	500 Kg	500 Kg	400 Kg	400 Kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z14	M4 Z14
Magnetic limit switches	No	Yes	No	Yes
Weight	10,6 kg	10,6 Kg	10,2 kg	10,2 kg
Items no. per pallet	36	36	36	36

RI.M4F



M4 galvanized rack with slots and screws (30x12x1000 mm)
Packaging: 4 pcs

RI.M4Z



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

RI.M4P



M4 slotted nylon rack with steel core 28x40x1000 mm., supplied with screws.
Packaging: 10 pcs

MAG.E



Magnetic sensor device to detect obstacles and allows the slow down. For BULL5M only

DA.2S



Electronic module which allows the synchronized movement of two gates

ID.TA



Aluminium warning board
Available in different languages

BULL24.CBY



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

BULL24.CBH



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

DA.BT6
DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

NIMH



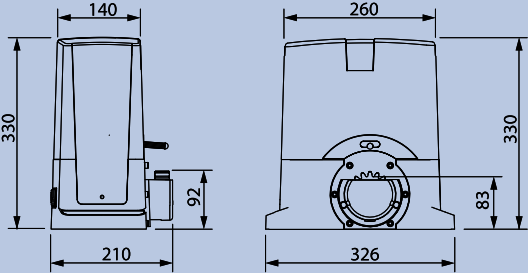
2 Ah , 24 Vdc NIMH batteries

CBY.24V

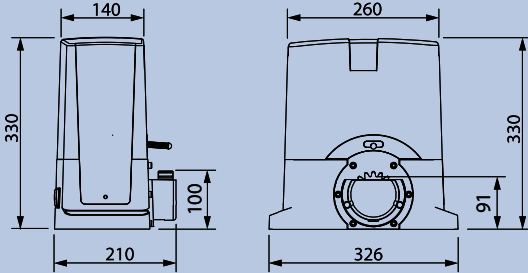


Battery charger card.
The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

BULL424ESA



BULL5M



SAFETY DEVICES on page 214

SETS AVAILABLE

KBULL5M	30 Sets per pallet
KBULL5M.S	30 Sets per pallet
KBULL424	30 Sets per pallet
KBULL424.S	30 Sets per pallet

p. 218 / 224

AUTOMATIONS FOR SLIDING GATES

up to 600 / 800 kg

supplied with control unit and integrated receiver



Design, research and a careful selection of materials and components to get a reliable, strong and long life automation



Fast and easy unlock device with a customized key



Raised foundation plate included 260 x 117, n.4 Ø 11 floor brackets, 300 x 75 n.4 M8 screws for motor



230 Vac control unit with built-in 433.29 Mhz 62-code radio receiver, automatic and semi-automatic operating logic. Encoder included.



LEGEND ON PAGE 11

BULL8M BULL624ESA

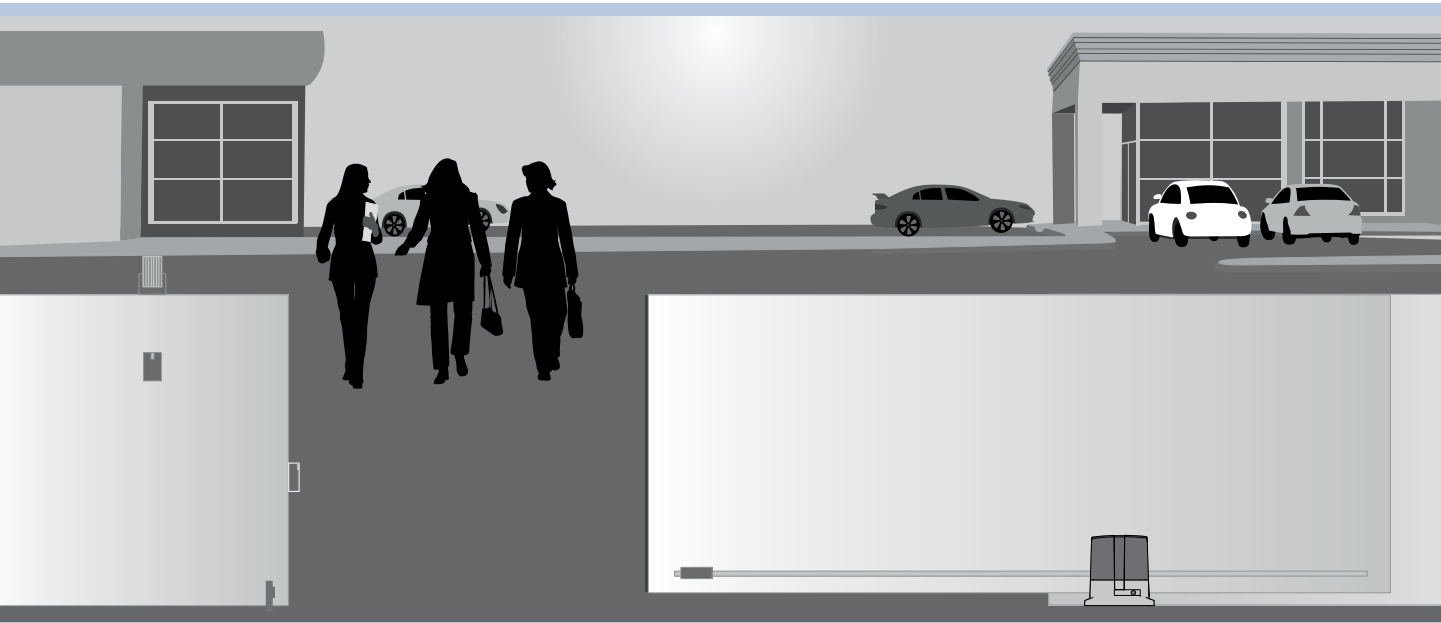
RESIDENTIAL USE

- 230 Vac single-phase operator with built in control panel and encoder device
- Fast and easy unlock device with a customized key
- Available in version with magnetic limit switches (BULL8M.S)

24 Vdc

- 24 Vdc geared motor for intensive use, with built-in control unit, ESA SYSTEM and encoder.
- Anti-crushing system with amperometric detection
- Battery operated in the event of a power cut
- Available in version with magnetic limit switches (BULL624ESA.S)





TECHNICAL DATA	BULL8M	BULL8M.S	BULL624ESA	BULL624ESA.S
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Max. absorbed current	2,6 A	2,6 A	0,5 A	0,5 A
Power consumption in stand by	-	-	8 mA	8 mA
Thrust	940 N	940 N	857 N	857 N
Opening speed	10,5 m/min	10,5 m/min	9,75/5,8 m/min	9,75/5,8 m/min
Operation cycle	30%	30%	intensive use	intensive use
Protection level	IP 44	IP 44	IP 44	IP 44
Operating temp.	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C	-20°C /+50°C
Max gate weight	800 Kg	800 Kg	600 Kg	600 Kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z14	M4 Z14
Magnetic limit switches	No	Yes	No	Yes
Weight	11,4 kg	11,4 Kg	11,6 kg	11,6 kg
Items no. per pallet	36	36	36	36

RI.M4Z



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

RI.M4F



M4 galvanized rack with slots
and screws (30x12x1000 mm)
Packaging: 4 pcs

RI.M4P



M4 slotted nylon rack with steel
core 28x40x1000 mm.,
supplied with screws.
Packaging: 10 pcs

DA.2S



Electronic module which allows
the synchronized movement of
two gates

ID.TA



Aluminium warning board
Available in different languages

BULL24.CBY



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

BULL24.CBH



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

DA.BT6
DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into
an external box

NIMH



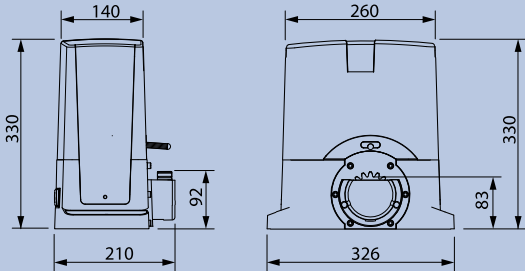
2 Ah , 24 Vdc NIMH batteries

CBY.24V

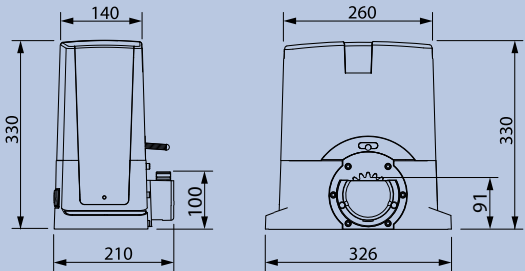


Battery charger card.
The CBY.24V card allows to
charge two different types of
nickel metalidrate and lead
batteries.

BULL624ESA



BULL8M



SAFETY DEVICES on page 214

SETS AVAILABLE

KBULL8M	30 Sets per pallet
KBULL8M.S	30 Sets per pallet
KBULL624	30 Sets per pallet
KBULL624.S	30 Sets per pallet

p. 218 / 224

AUTOMATIONS FOR **SLIDING GATES**

up to 800 kg

supplied with control unit and integrated receiver



Mechanics entirely in metal and oil lubrication to guarantee max durability of the gear



Fast and easy unlock device with a customized key



Raised foundation plate included 260 x 117, n.4 Ø 11 floor brackets, 300 x 75 n.4 M8 screws for motor



230 Vac control unit with built-in 433.29 Mhz 62-code radio receiver, automatic and semiautomatic operating logic, encoder included

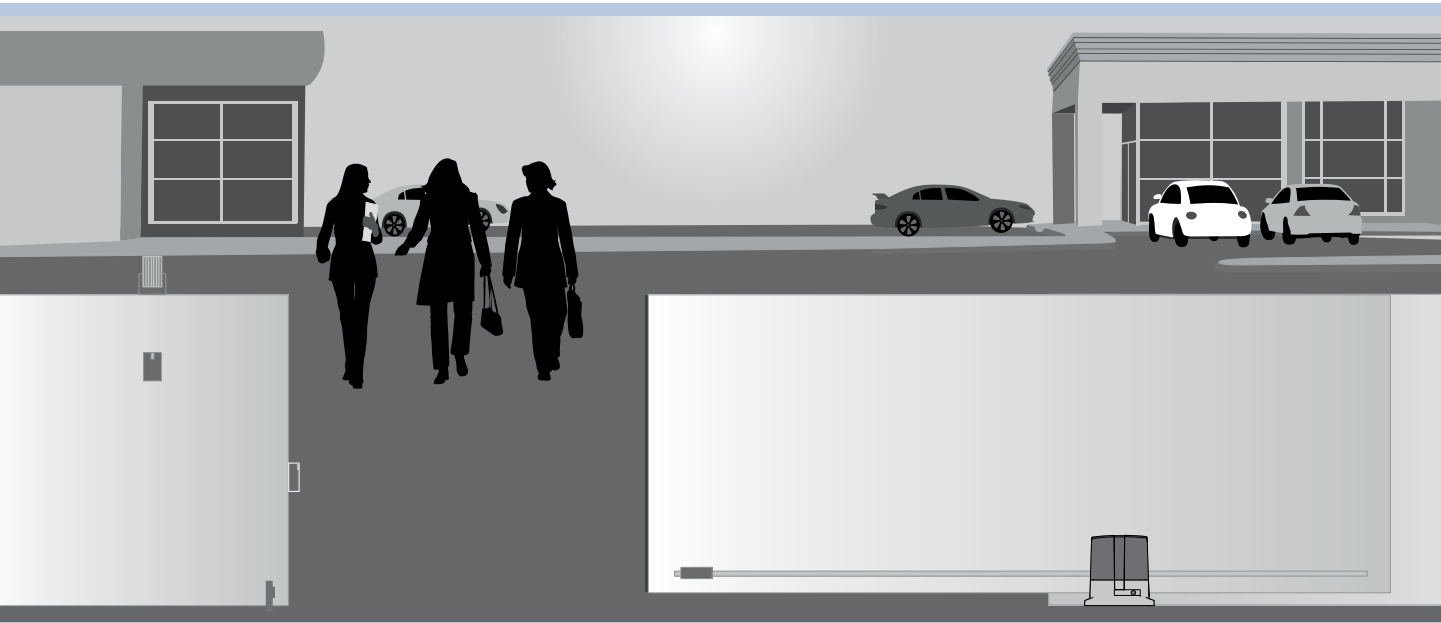
BULL80M

COMMERCIAL **USE**

- 230 Vac irreversible single-phase electromechanical geared motor for condominial use, with built-in control unit and encoder
- Particularly suited to condominial use thanks to oil lubrication
- Available in version with magnetic limit switches suited to snowy areas (BULL80M.S)



LEGEND ON PAGE 11



TECHNICAL DATA	BULL80M	BULL80M.S
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac
Max. absorbed current	1,9 A	1,9 A
Thrust	940 N	940 N
Opening speed	10,5 m/min	10,5 m/min
Operation cycle	40%	40%
Protection level	IP 44	IP 44
Operating temp.	-20°C/+50°C	-20°C/+50°C
Lubrification	Oil	Oil
Max gate weight	800 Kg	800 Kg
Driving gear for rack	M4 Z18	M4 Z18
Magnetic limit switches	No	Yes
Weight	14,2 Kg	14,2 Kg
Items no. per pallet	36	36

RI.M4F



M4 galvanized rack with slots and screws (30x12x1000 mm)
Packaging: 4 pcs

RI.M4Z



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

RI.M4P



M4 slotted nylon rack with steel core 28x40x1000 mm., supplied with screws.
Packaging: 10 pcs

DA.2S

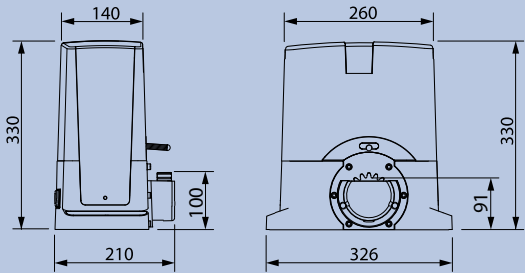
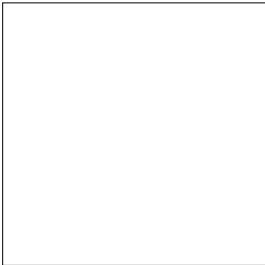
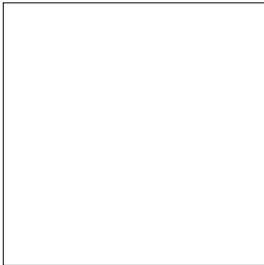
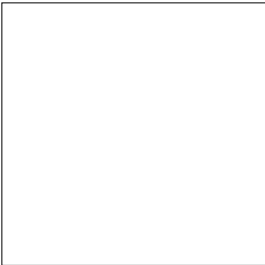
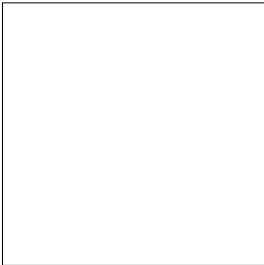
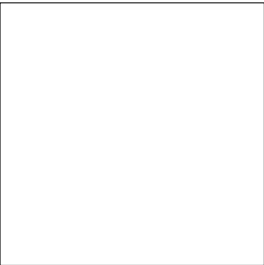
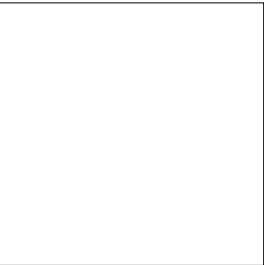
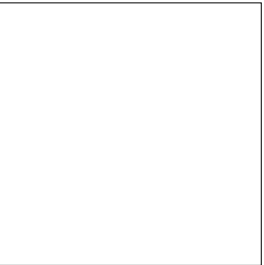
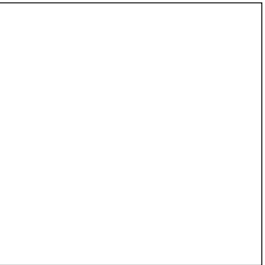
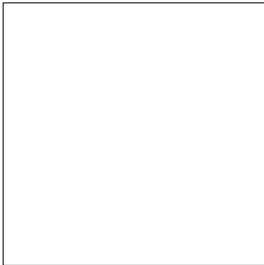
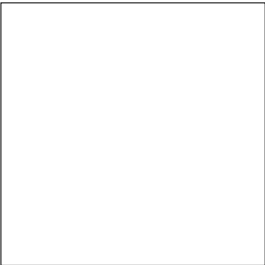
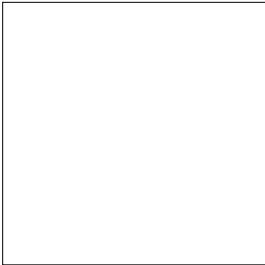
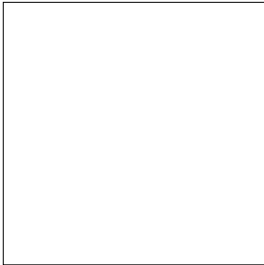
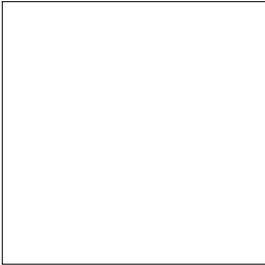
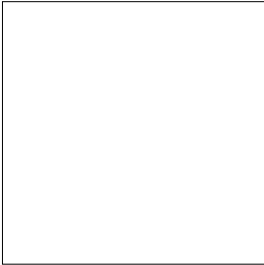
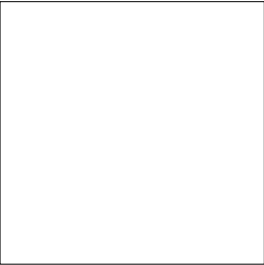


Electronic module which allows the synchronized movement of two gates

ID.TA



Aluminium warning board
Available in different languages



SAFETY DEVICES on page 214

SETS AVAILABLE

KBULL80M	30 Sets per pallet
KBULL80M.S	30 Sets per pallet

p. 218

AUTOMATIONS FOR SLIDING GATES

up to 1000 kg / 1500 kg

supplied with control unit and integrated receiver



Design and shape to convey all the strength and reliability of the motor



Fast and easy unlock device with a customized key



230 Vac Self-ventilated versions



Control unit with advanced programming on display. Built-in receiver and removable terminal boards



LEGEND ON PAGE 11

BULL 10M BULL 15M **BULL 1024ESA**

COMMERCIAL USE

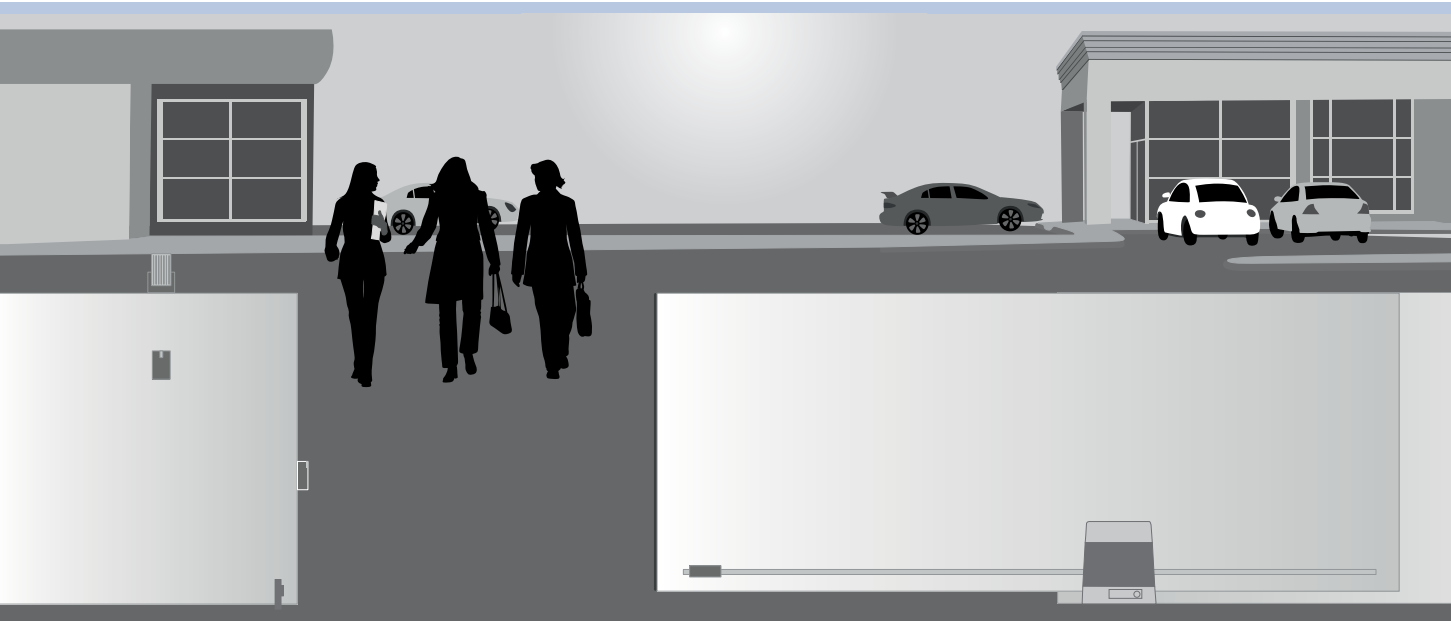
- 230 Vac single-phase operator with built-in control panel
- Self-ventilated version equipped with encoder
- Fast and easy to use unlock device
 - Horizontal and vertical fitting position of operator are adjustable
 - Fast and easy to wire
- Available in versions with magnetic limit switches (BULL10M.S/BULL15M.S)

24 Vdc

- 24 Vdc geared motor for intensive use, with incorporated control unit, ESA SYSTEM and encoder.
- Amperometric anticrushing control
- Prepared for battery back-up system
 - Available in version with magnetic limit switches (BULL1024ESA.S)



Equipped with
foundation plate

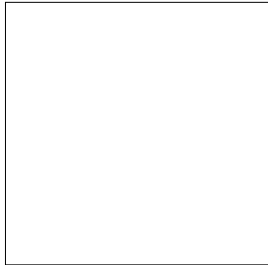


TECHNICAL DATA	BULL10M	BULL10M.S	BULL15M	BULL15M.S	BULL1024ESA	BULL1024ESA.S
Power supply	230Vac	230Vac	230Vac	230Vac	230Vac	230Vac
Motor supply	230Vac	230Vac	230Vac	230Vac	24Vdc	24Vdc
Max. absorbed current	1,6 A	1,6 A	2,5 A	2,5 A	1,7 A	1,7 A
Power consumption in stand by	-	-	-	-	8 mA	8 mA
Thrust	1000 N	1000 N	1250 N	1250 N	940 N	940 N
Opening speed	10,5 m/min	10,5 m/min	10,5 m/min	10,5 m/min	11,7 m/min	11,7 m/min
Operation cycle	40%	40%	60%	60%	intensive use	intensive use
Protection level	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Operating temp.	-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 gate weight	1000 kg	1000 kg	1500 kg	1500 kg	1000 kg	1000 kg
Driving gear for rack	M4 Z18	M4 Z18	M4 Z18	M4 Z18	M4 Z18	M4 Z18
Magnetic limit switches	No	Yes	No	Yes	No	Yes
Weight	18,7 kg	18,7 kg	20,1 kg	20,1 kg	18,7 kg	18,7 kg
Items no. per pallet	20	20	20	20	20	20

RI.M4Z



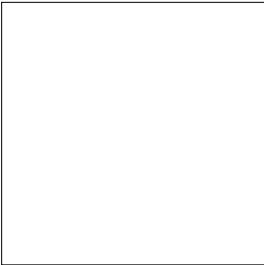
M4 galvanized rack
(22x22x2000 mm)
Packaging: 2 pcs



RI.M4F



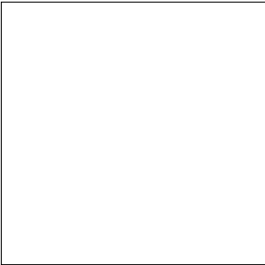
M4 galvanized rack with slots
and screws (30x12x1000 mm)
Packaging: 4 pcs



RI.M6Z



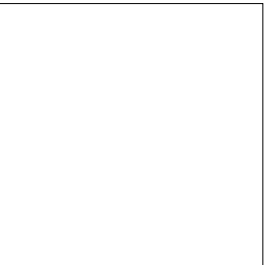
M6 galvanized rack
(30x30x2000 mm)
(needs the RI.P6 accessory
to work)



RI.P6



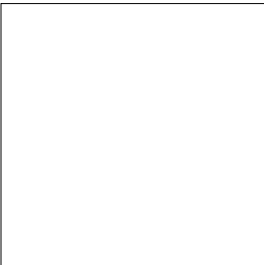
M6 gear, It needs the rack
RI.M6Z



BULL.PI



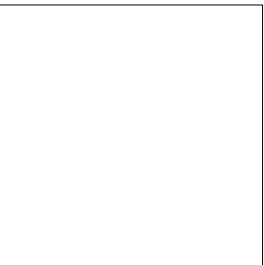
Raised foundation plate
included 280 x 170,
n.4 Ø 11 floor brackets,
269 x 106 n.4 M10 screws
for motor



DA.2S



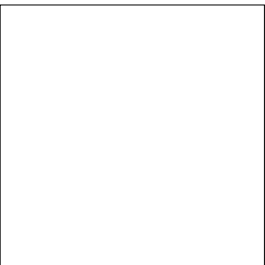
Electronic module which allows
the synchronized movement of
two gates



ID.TA



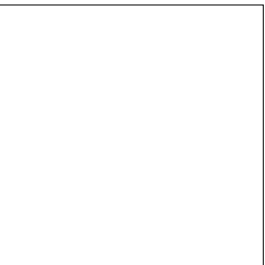
Aluminium warning board
Available in different languages



BULL1024.CB



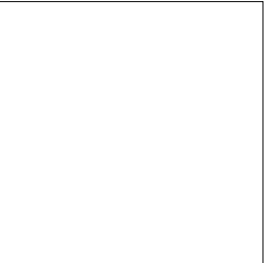
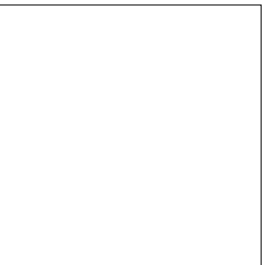
Accessory for composed of
battery charger card CBY.24V,
1,2Ah batteries and support
for batteries



DA.BT6
DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into
an external box

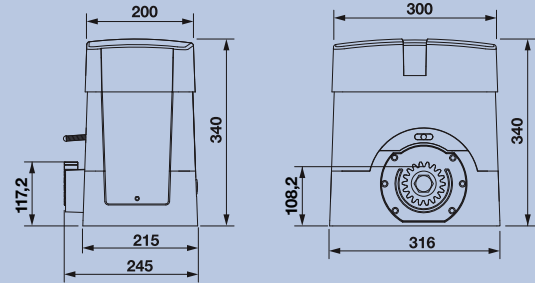


SAFETY DEVICES on page 214

SETS AVAILABLE

KBULL10M	20 Sets per pallet
KBULL10M.S	20 Sets per pallet
KBULL1024	20 Sets per pallet
KBULL1024.S	20 Sets per pallet
KBULL15M	20 Sets per pallet
KBULL15M.S	20 Sets per pallet

p. 218 / 224



AUTOMATIONS FOR **SLIDING GATES**

up to 2000 kg

BULL20M supplied with control unit and integrated receiver
BULL20T without control panel



Functional design. Shape to convey all the strength and reliability of the motor



Sturdy key-operated personalized unlocking system



Self-ventilated versions



LEGEND ON PAGE 11

BULL20M BULL20T



INDUSTRIAL USE

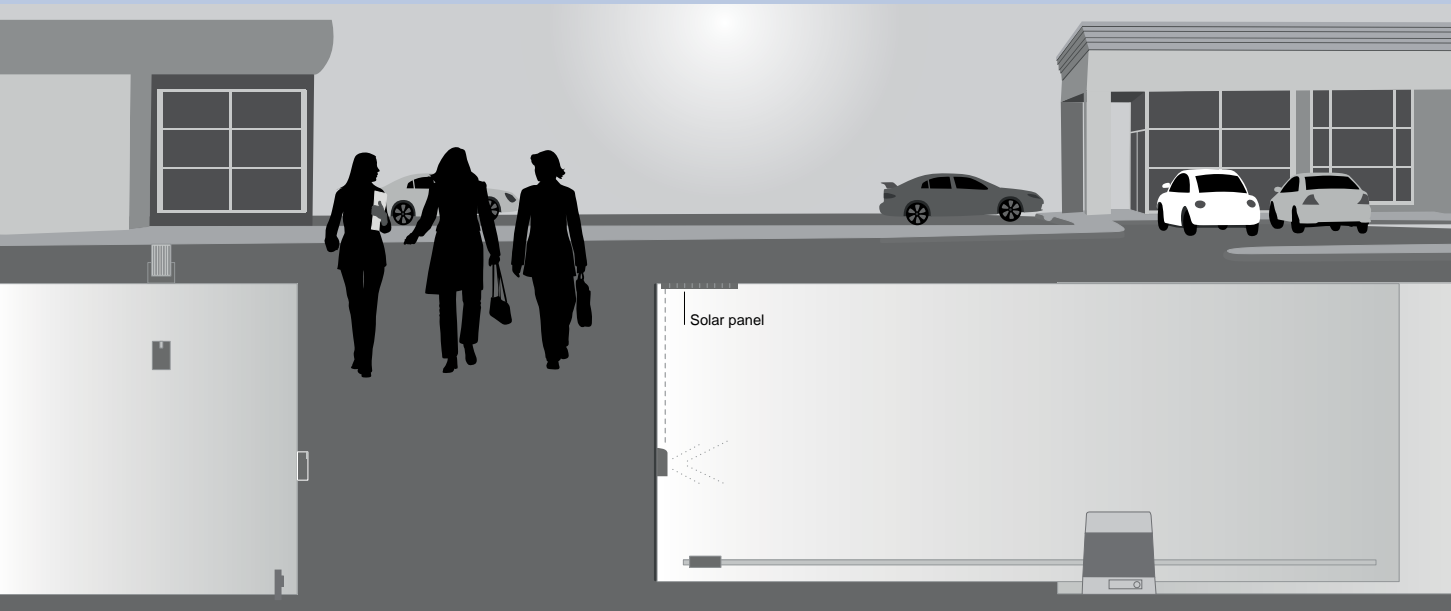
SINGLE-PHASE

- 230 Vac single-phase operator with built-in control panel and receiver
- Self-ventilated version equipped with encoder
- Control unit with electronic braking
 - Available in versions with magnetic limit switches (BULL20M.S)

THREE-PHASE

- Self-ventilated operator with external control unit
 - Operator equipped with electric brake
- Anti-crushing electronic brake
 - Available in versions with magnetic limit switches (BULL20T.S)

**Equipped with
foundation plate**



TECHNICAL DATA	BULL20M	BULL20M.S	BULL20T	BULL20T.S
Power supply	230 Vac	230 Vac	400 Vac	400 Vac
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
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	IP 44	IP 44	IP 44	IP 44
Operating temp.	-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
Magnetic limit switches	No	Yes	No	Yes
Weight	21,6 kg	21,6 kg	21,6 kg	21,6 kg
Items no. per pallet	20	20	20	20

RI.M4Z



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

RI.M4F



M4 galvanized rack with slots
and screws (30x12x1000 mm)
Packaging: 4 pcs

RI.M6Z



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

RI.P6



M6 gear, It needs the rack
RI.M6Z

BULL.PI



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

ID.TA



Aluminium warning board
Available in different languages

THINK

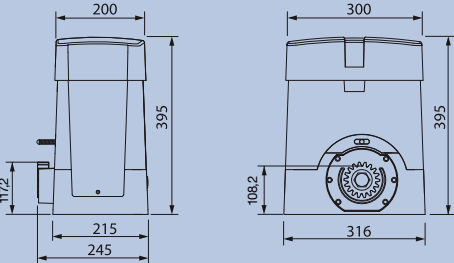


Control panel suitable for
one 230Vac single phase
operator up to 1500W or
400Vac 3-phases operator up
to 2.200W. Built-in display for
programming the functions.
It is prepared with a plug-in
connection for radio receiver
Technical features on page 158

RF.SUN



868 Mhz radiofrequency device
comprising: 1 battery-operated device
recharged by means of a photovoltaic
panel applied on a mobile edge, with
input for connection to an 8k2 sensitive
edge or to a mechanical door switch.
Technical features on page 214



SAFETY DEVICES on page 214

SETS AVAILABLE

KBULL20M 20 sets per pallet
KBULL20M.S 20 sets per pallet

pag. 218

AUTOMATIONS FOR **SLIDING GATES**

up to 2000/2500 kg

Supplied with control unit and integrated receiver



Unlocking from outside with personalized key



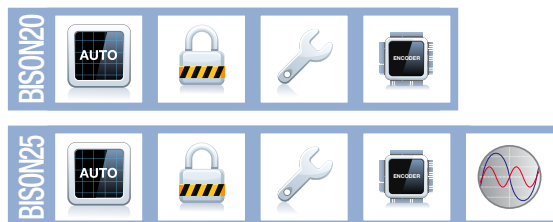
Possibility of integrated FTC.S photocells, available on request



Force ventilated model for intensive use



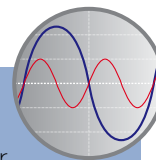
Cover completely metallic in two pieces, access to the control unit from the top



LEGEND ON PAGE 11

INVERTER TECHNOLOGY:

- Combines the benefits of a three-phase motor with the ease of connecting to single-phase electric power
- It is possible to adjust the speed of the motor gradually by changing its frequency, during either acceleration or deceleration
- Built-in anti-crushing system
- Very quiet
- Optimal adjustment of torque at different points of the stroke (optimal start-up)



BISON20 OM BISON25 OTI

INDUSTRIAL USE

BISON20 OM:

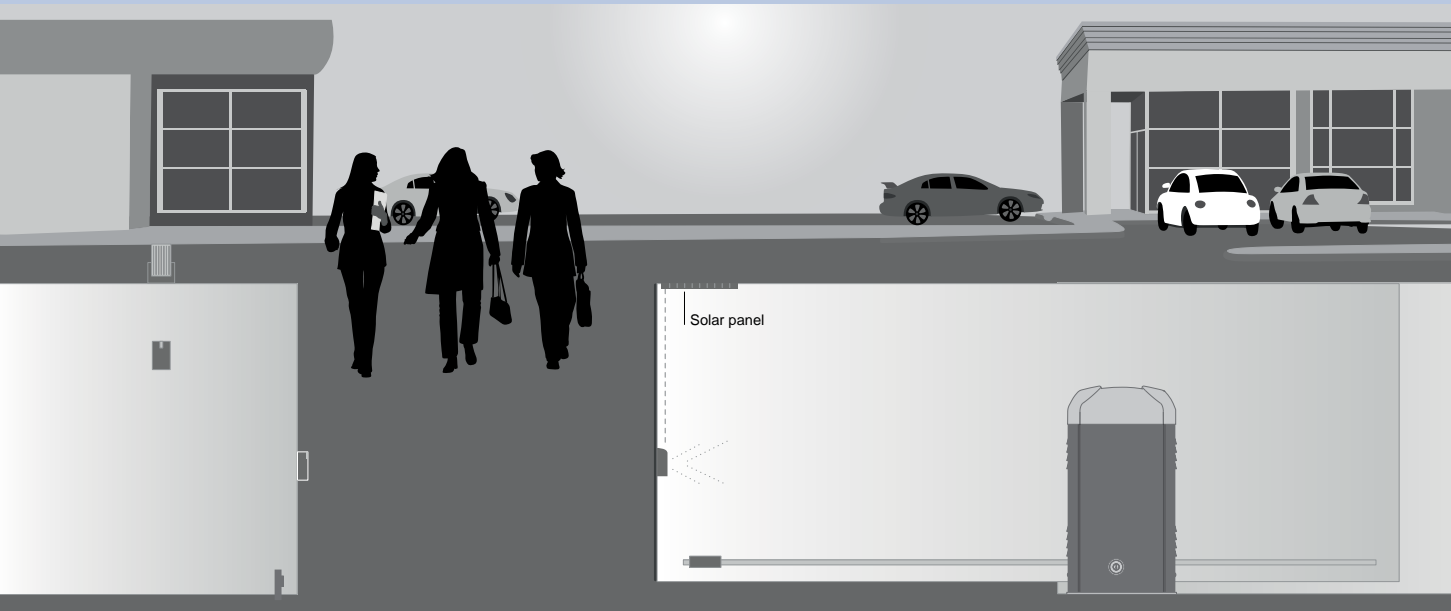
- 230 Vac geared motor for gates up to 2000 kg with submerged in oil gear
- Built-in control unit with electronic braking, magnetic encoder and built-in receiver
- Mechanics entirely in metal and oil lubrication to guarantee max durability of the gear

BISON25 OTI:

- Three-phase operator for gates up to 2500 kg with submerged in oil gear
- Control unit with electronic braking and built-in receiver
 - With inverter and magnetic encoder

**Equipped with
foundation plate
adjustable**





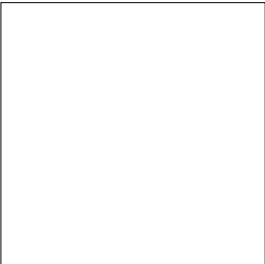
TECHNICAL DATA	BISON20 OM	BISON25 OTI
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac (three-phase)
Max. absorbed current	3 A	8 A
Thrust	1100 N	2500 N
Opening speed	10,5 m/min.	10,5 m/min.
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C /+50°C	-20°C /+50°C
Lubrification	Oil	Oil
Max gate weight	2000 Kg	2500 Kg
Driving gear for rack	M4 Z18	M4 Z18

Different power supply versions on request

RI.M4Z



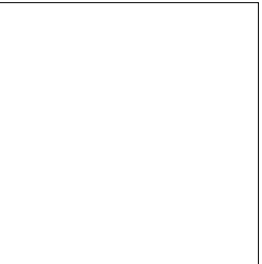
M4 galvanized rack
(22x22x2000 mm)
Packaging: 2 pcs



RI.M6Z



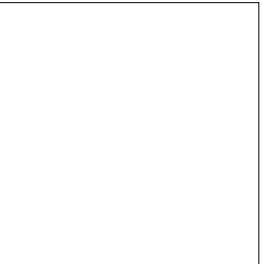
M6 galvanized rack
(30x30x2000 mm)
(needs the RI.P6 accessory
to work)



RI.P6



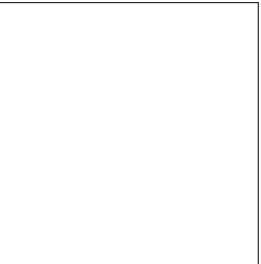
M6 gear, It needs the rack
RI.M6Z



DA.2S



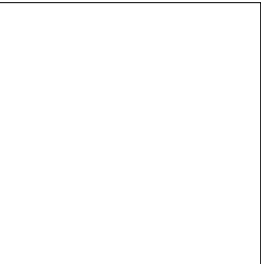
Electronic module which allows
the synchronized movement of
two gates



ID.TA



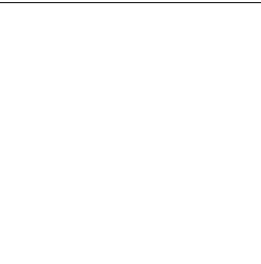
Aluminium warning board
Available in different languages



RF.SUN



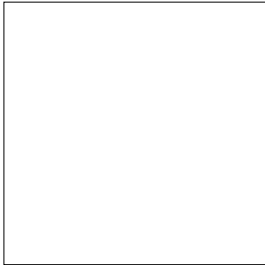
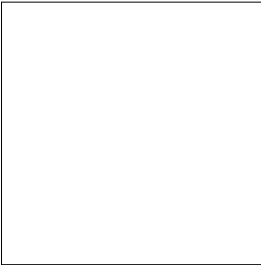
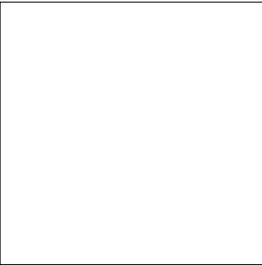
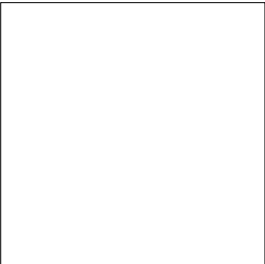
868 Mhz radiofrequency device
comprising: 1 battery-operated device
recharged by means of a photovoltaic
panel applied on a mobile edge, with input
for connection to an 8K2 sensitive edge or
to a mechanical door switch.
Technical features on page 214



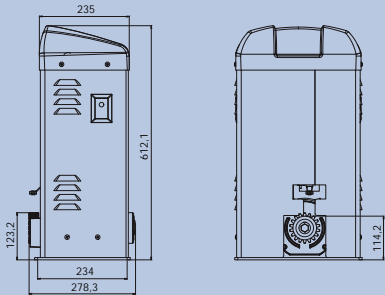
FTC.S



24Vac/dc synchronize surface
mounting photocell. Inside
the BISON cover and also on
aluminium columns (pages 211-
213). They can be fitted also on
aluminium columns.



SAFETY DEVICES on page 214



AUTOMATIONS FOR **SLIDING GATES**

up to 3000/4500 kg

Supplied with control unit and integrated receiver



Unlocking from outside with personalized key



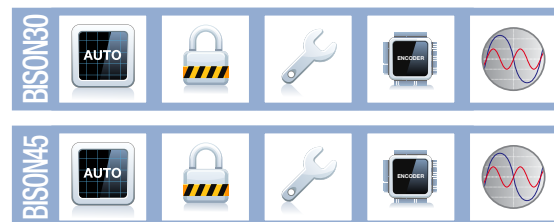
Possibility of integrated FTC.S photocells, available on request



Force ventilated model for intensive use



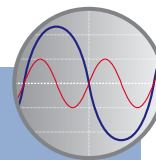
Cover completely metallic in two pieces, access to the control unit from the top



LEGEND ON PAGE 11

INVERTER TECHNOLOGY:

- It is possible to adjust the speed of the motor gradually by changing its frequency, during either acceleration or deceleration
- Built-in anti-crushing system
- Very quiet
- Optimal adjustment of torque at different points of the stroke (optimal start-up)



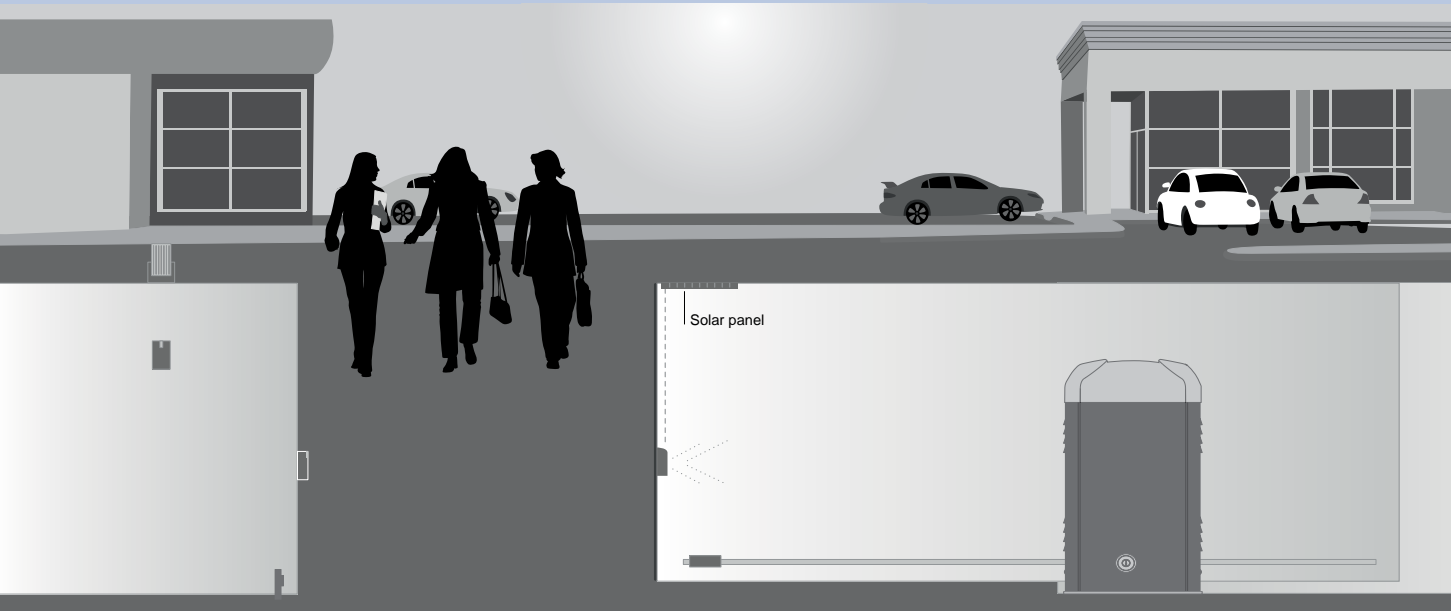
BISON30 OTI BISON45 OTI



INDUSTRIAL USE

- Three-phase operator for gates from 3000 kg to 4500 kg with submerged in oil gear
- Control unit with built-in receiver
- With inverter and magnetic encoder

Equipped with
foundation plate
adjustable



TECHNICAL DATA	BISON30 OTI	BISON45 OTI
Power supply	400 Vac	400 Vac
Motor supply	400 Vac	400 Vac
Max. absorbed current	1,85 A	2,6 A
Thrust	3200 N	4600 N
Opening speed	10,2 m/min.	10,2 m/min.
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C /+50°C	-20°C /+50°C
Lubrification	Oil	Oil
Max gate weight	3000 Kg	4500 Kg
Driving gear for rack	M6 Z18	M6 Z18

Different power supply versions on request

RI.M6Z



M6 galvanized rack
(30x30x2000 mm)

DA.2S



Electronic module which allows
the synchronized movement of
two gates

ID.TA



Aluminium warning board
Available in different languages

RF.SUN

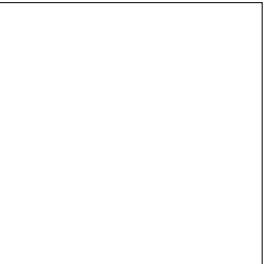
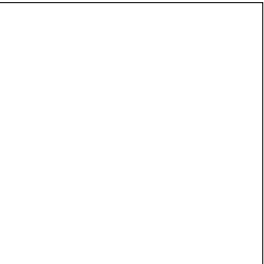
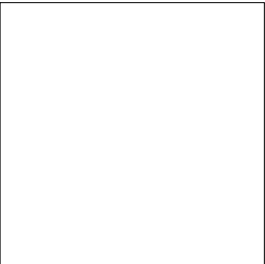
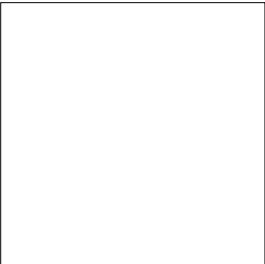
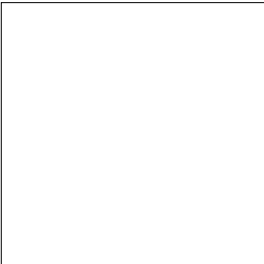
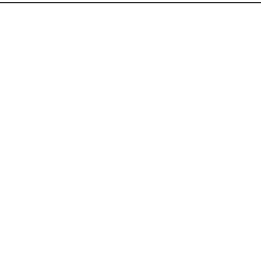
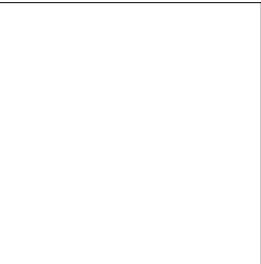
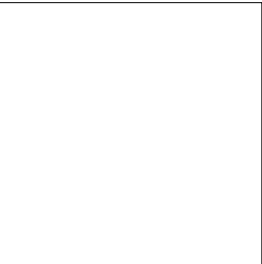
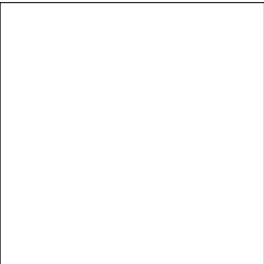
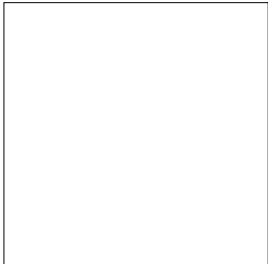
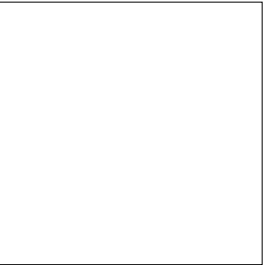
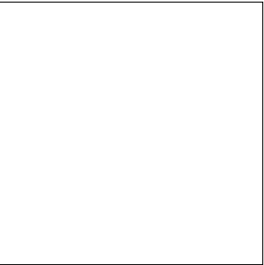
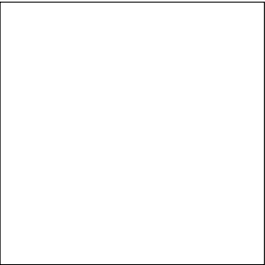
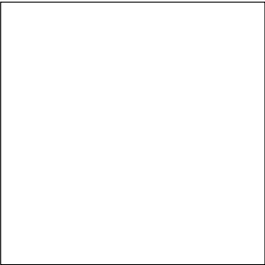
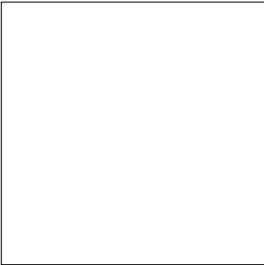


868 Mhz radiofrequency device
comprising: 1 battery-operated device
recharged by means of a photovoltaic
panel applied on a mobile edge, with input
for connection to an 8K2 sensitive edge or
to a mechanical door switch.
Technical features on page 214

FTC.S

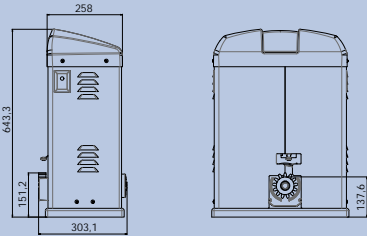


24Vac/dc synchronize surface
mounting photocell. Inside
the BISON cover and also on
aluminium columns (pages 211-
213). They can be fitted also on
aluminium columns.

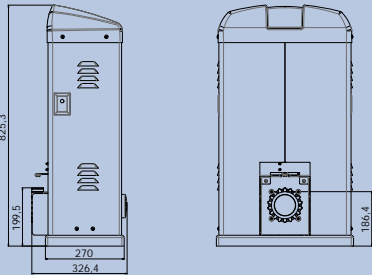


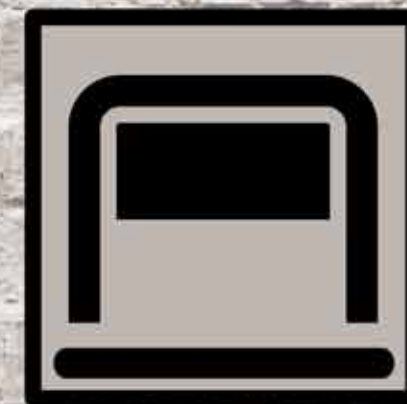
SAFETY DEVICES on page 214

BISON30 OTI



BISON45 OTI



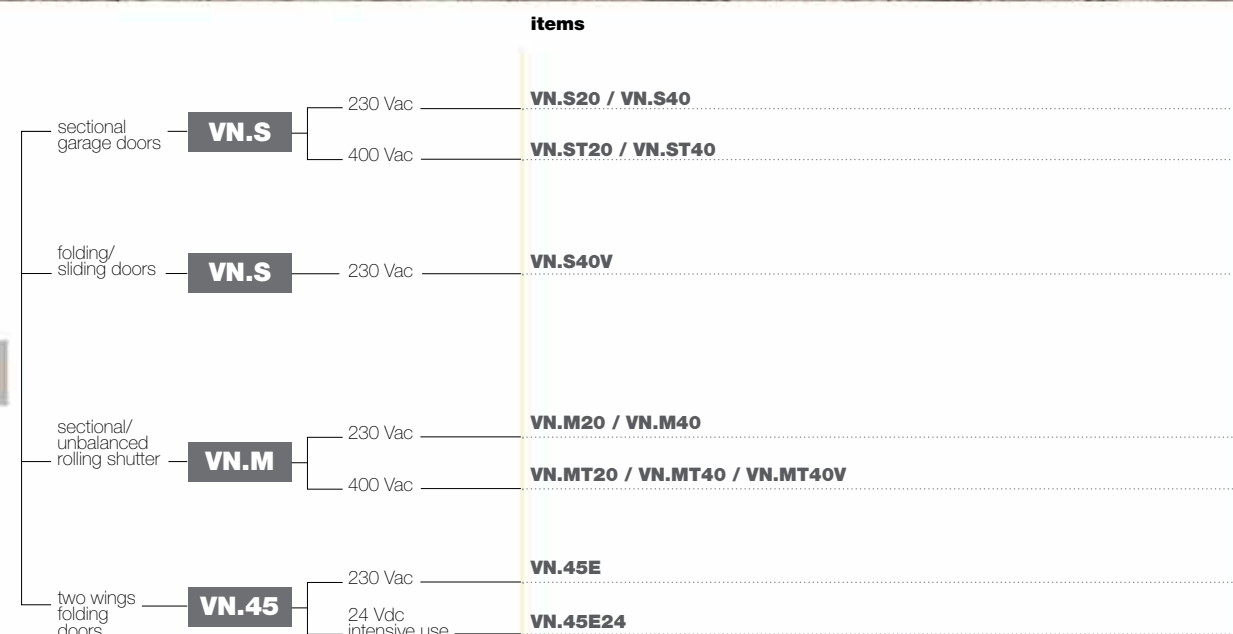


AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

Residential Use/ Commercial Use



Industrial Use



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS



Strong and reliable
reduction unit made
of high quality materials



Handy and safe indoor
unlock device



LEGEND ON PAGE 11

Designed to comply with
European safety standards.

ZED ZED24



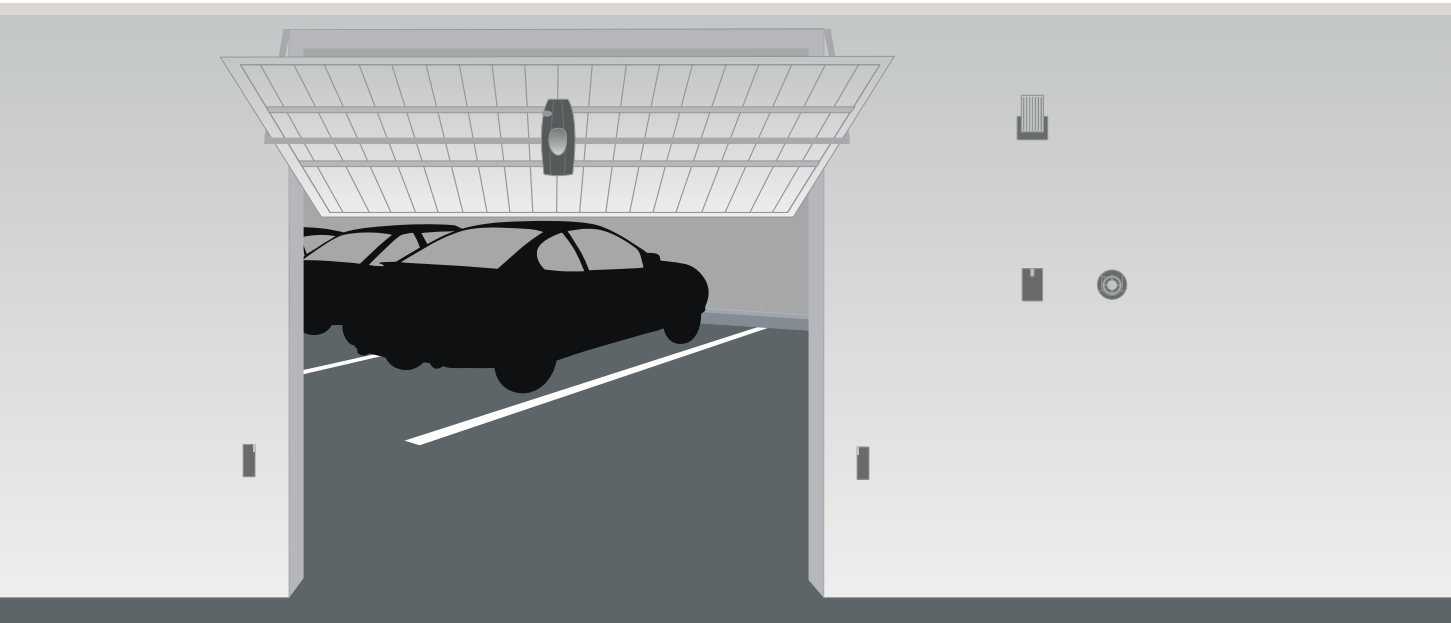
RESIDENTIAL AND COMMERCIAL USE

- Self-locking electromechanical operator for counterweight overhead garage doors, residential use
- Available with or without control unit. The versions with control unit have an encoder
- Courtesy light integrated in the plastic cover
- Limit switches and push-buttons included
 - IP44 versions on request

24 Vdc

- 24Vdc self-locking electromechanical operator for counterweight overhead garage doors, for intensive use
- Available with or without control unit
- Prepared for battery back-up system
 - Amperometric anticrushing control

Mounting plate is not included



TECHNICAL DATA	ZED.RIE	ZED.SC	ZEDL.RIE	ZED.LSC	ZED24.RI	ZED24.SC
Power supply	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
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	IP 40	IP 40	IP 40	IP 40	IP 40	IP 40
Operating temp.	-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 sqm/max	11 sqm/max	12,5 sqm/max	12,5 sqm/max	10 sqm/max	10 sqm/max
Built-in receiver	yes	no	yes	no	yes	no
Built-in control unit	yes	no	yes	no	yes	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

AU.125
AU.20



1.250 mm. Mounting plate
1.950 mm. Mounting plate

AU.65



650 mm. Mounting plate

AU2.45T



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

AU.45Z
AU.45ZL



Pair of galvanized pipes with
bush, 1.500 mm. (AU.45), L.
2.000 mm (AU.45ZL) and Pair
of galvanized pipes withbush,
2.000 mm. long
complete of fitting accessories
(for central mounting)

AU2.D45L



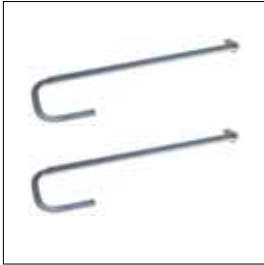
Pair of straight galvanized arms,
with welded bush, complete
with fitting accessories
L=2000 mm

AU2.DNS



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

AU2.C



Pair of bent galvanized
arms, complete with fitting
accessories

AU2.D



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

AU2.D45



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

AU.45B



Bush

ZED.MS



Wire manual unlock device for
ZED/SC/L/LSC/24/24SC

ZED.E



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

ZED.SE



Outdoor unlock device
(for central mounting)

ID.TA



Aluminium warning board
Available in different languages

MAG.E



Magnetic sensor device to
detect obstacles and manage
deceleration

LOGICA



230 Vac control unit with built-in
receiver for ZED.SC / ZEDL.SC
with encoder control. Requires
the MAG.E accessory (for full
features see page 153)

LOGICA24.RI



24 Vdc control unit with built-
in receiver for ZED24SC/LSC
Technical features on page 163

CBY.24V



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

DA.BT6
DA.BT2

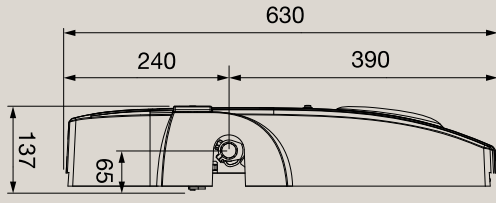
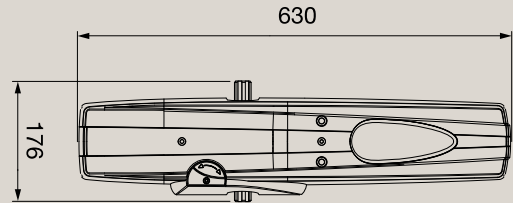


DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into
an external box

APPLE.2
APPLE.4



433,92 Mhz rolling-code
transmitter, 2 or 4 channels.
with a surface mounting holder
(for full features see page 178)



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

JIM

supplied with control unit with integrated receiver



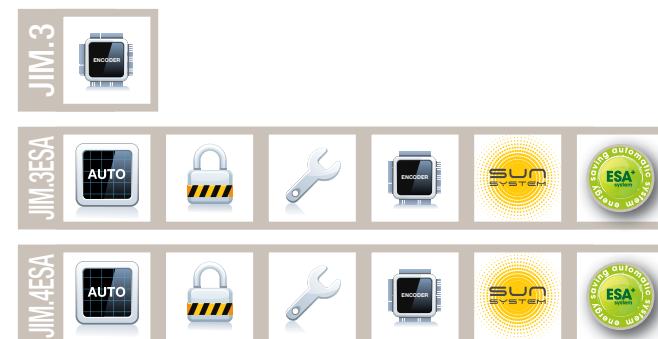
Belt drive for silent operation



Fast and easy unlock device



Control panel and radio receiver included



LEGEND ON PAGE 11

Versions available:

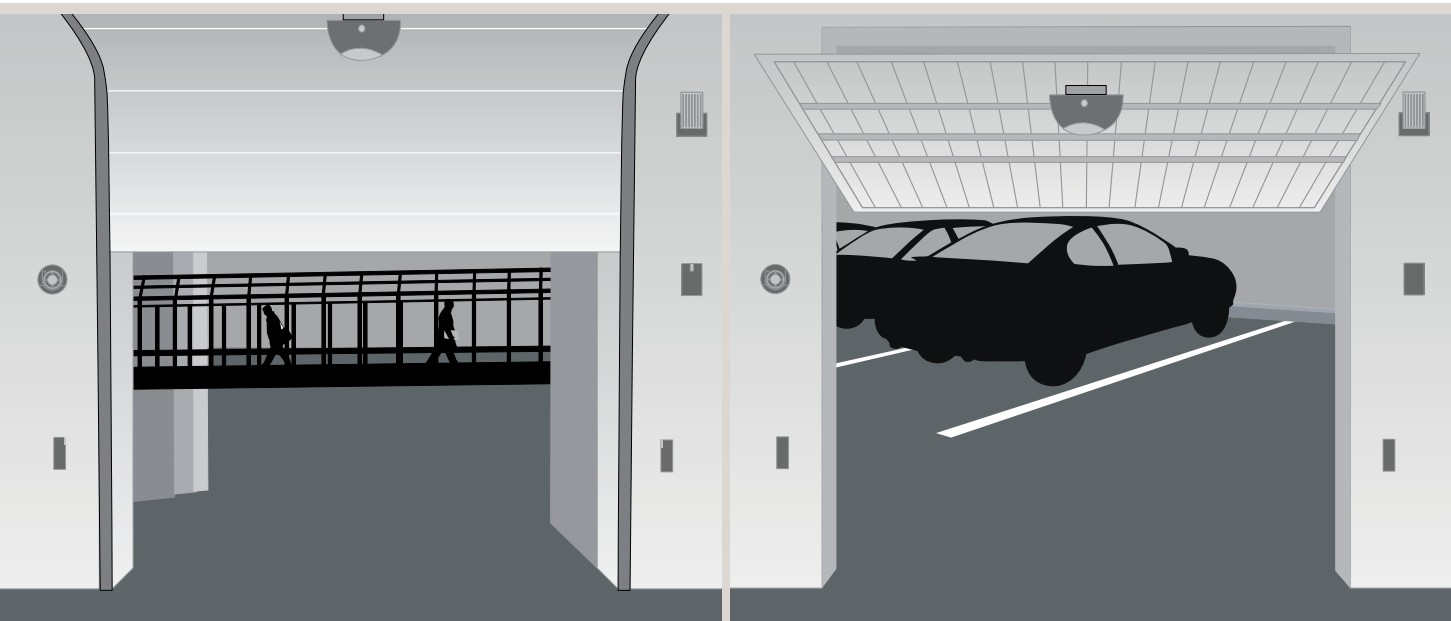
- **JM.3:** Operator with 600 N thrust, electronic control panel easy to adjust with trimmer and dip switches.
- **JM.3ESA:** Gearmotor with 600 N traction force and electronic panel with display and ESA SYSTEM for energy savings. Self-calibration system and point calculation of the torque with dynamic adjustment. Access password and maintenance notification
- **JM.4ESA:** Gearmotor with 1200 N traction force and electronic panel with display and built-in ESA SYSTEM. Self-calibration system and point calculation of the torque with dynamic adjustment. Access password and maintenance notification

RESIDENTIAL AND COMMERCIAL USE BELT DRIVE

- 24 Vdc self-locking electromechanical operator for residential sectional garage doors
 - Encoder device for the detection of obstacles integrated in the control panel
 - Adjustable stroke by mechanical limits stop
 - Built-in, low consumption LED courtesy light
- Operation continuity guaranteed in case of power failure with the battery back up unit integrable in the operator
 - Self-Learning limit switches



RAIL IS NOT INCLUDED
1 TO.GO2WV included



TECHNICAL DATA

	JM.3	JM.3ESA	JM.4ESA
Power supply	230 Vac	230 Vac	230 Vac
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	-	8 mA	8 mA
Thrust	600 N	600 N	1200 N
Opening time	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
Limit switch	electronic with encoder	electronic with encoder	electronic with encoder
Operating temp.	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C
Max door surface	11 sqm/max.	11 sqm/max.	22 sqm/max
Rail	PTC.3/PTCI.3/PTCL.4	PTC.3/PTCI.3/PTCL.4	PTC.4/PTCL.4
Receiver	built-in	built-in	built-in
Weight	6,2 Kg	6,2 Kg	7,6 Kg
Items no. per pallet	50	50	50

PTCI.3



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

PTC.3



Pre-assembled and pre-tightened track with belt for doors up to H 2.5 m. (for model JM.3/ESA only),
Two pieces 1,5 m each

PTC.4



Pre-assembled and pre-tightened track with belt for doors up to H 2.5 m. (for model JM.3/JM.3ESA/JM.4ESA),
Two pieces 1,5 m each

PTCL.4



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

PTCI.4



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

PTCS.3



Non-assembled track with belt for doors up to 2.5 m in height (only for model JM.3/JM.3ESA).
3 parts of 1 m each

PTCSL.3



Non-assembled track with belt for doors up to 3.5 m in height (only for model JM.3/JM.3ESA).
4 parts of 1 m each

PTCSL.4



Non-assembled track with belt for doors up to 3.5 m in height (for model JM.3/JM.3ESA/JM.4ESA).
4 parts of 1 m each

PTCSXL.4



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

AU.C25



Moving arm for overhead doors

JK.UL



Outside key lock for sectional gates

JM.PP



Useful cord-type step by step comand which allows the automatic opening and closing of the door without any transmitter or push button

ID.TA



Aluminium warning board
Available in different languages

JM.CBY



Accessory for JM.3/JM.3ESA/JM.4ESA control panel composed of battery charger card and 1,2Ah batteries with support. This accessory allows the automatic use of the door even in case of power failure

NIMH

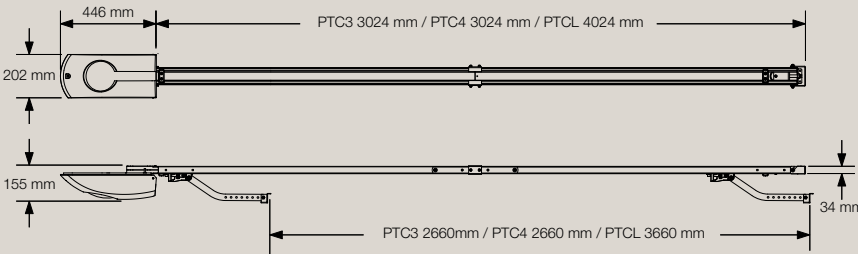


2 Ah , 24 Vdc NIMH batteries

APPLE.2 APPLE.4



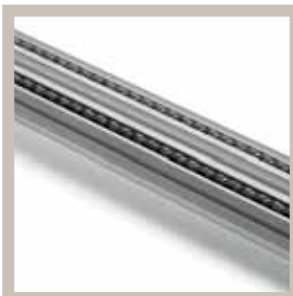
433,92 Mhz rolling-code transmitter, 2 or 4 channels. with a surface mounting holder (for full features see page 178)



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

KEN

supplied with control unit and with integrated receiver



Smooth and silent chain movement thanks to the anodised aluminium guide



The operator unlock device is fast and easy to use



Amperometric anticrushing control

RESIDENTIAL AND COMMERCIAL USE CHAIN DRIVE

- Self-locking electromechanical operators for residential sectional garage doors
- Automation with a high safety level and intensive use
 - Limit switch included
 - Integrated courtesy light
- Equipped with control panel



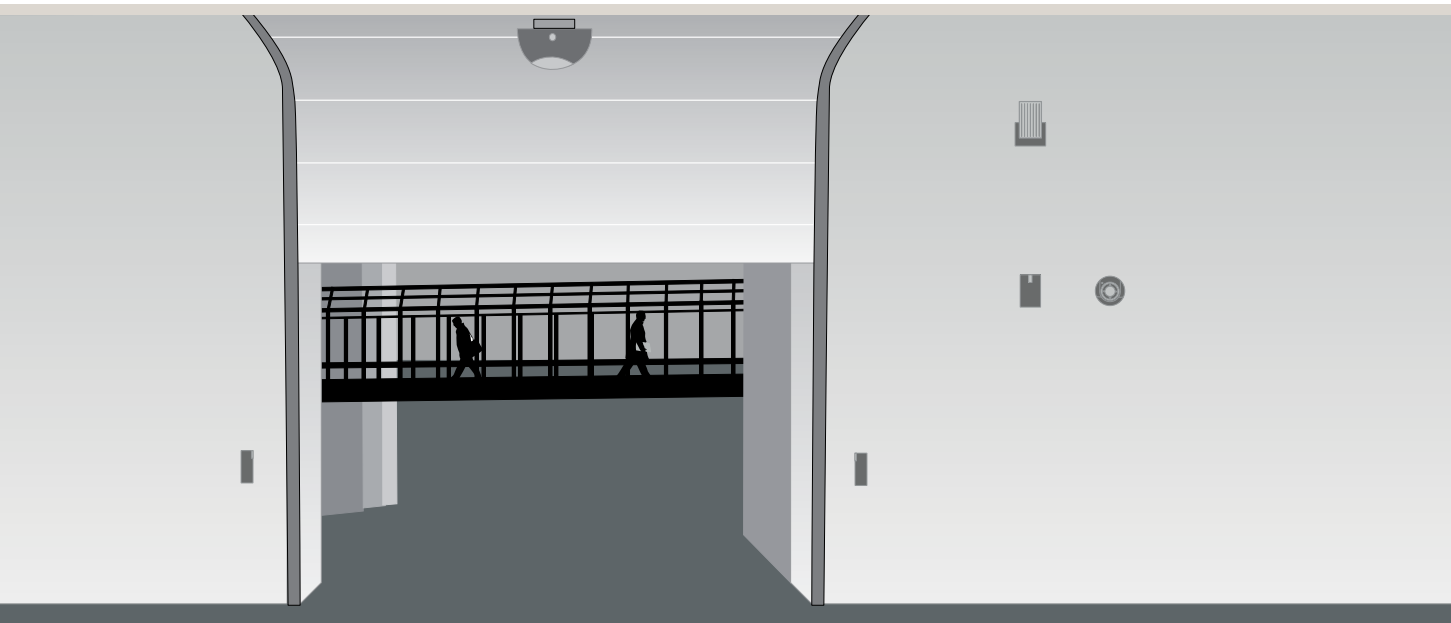
Designed to comply with European safety standards.

Versions Available:

- **KEN3.RI:** Operator 600 N, group of limit switches and cams integrated in the motor. Control panel with multiple inputs and operating logics
- **KEN4.RI:** Operator 1200 N, group of limit switches and cams integrated in the motor. Control panel with multiple inputs and operating logic



RAIL IS NOT INCLUDED
1 TO.G02WV included

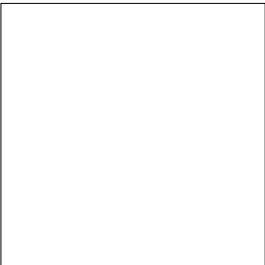


TECHNICAL DATA	KEN3.RI	KEN4.RI
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Max. absorbed current	1,0 A	1,5 A
Thrust	600 N	1200 N
Opening time	8.0 m/1' - 5.1 m/1'	8.0 m/1' - 6.0 m/1'
Operation cycle	intensive use	intensive use
Protection level	IP 40	IP 40
Limit switch	double microm.	double microm.
Operating temp.	-20°C/+50°C	-20°C/+50°C
Rail	PTN/PTL/PTE	PTN/PTL/PTE
Receiver	built-in	built-in
Max door surface	11 sqm/max.	22 sqm/max.
Weight	5,9 Kg	7,6 Kg
Items no. per pallet	50	50

PTE



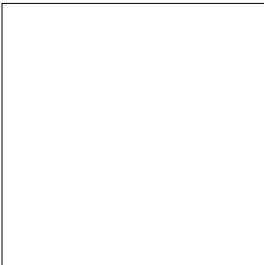
Pre-assembled track, chain drive, for sectional doors up to 2,5 m
Single piece of 3,20 m long



PTN



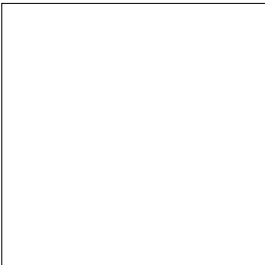
Pre-assembled track in two pieces chain drive, suitable for sectional doors up to 2,5m. height
Two pieces 1,45 m each



PTL



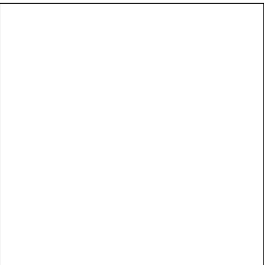
Pre-assembled track in two pieces chain drive, suitable for sectional doors up to 3,5m. height
Two pieces 1,87 m each



PE



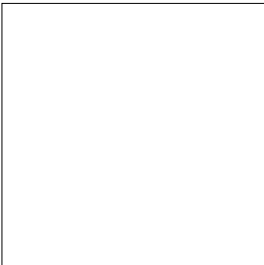
Package with two extensions
L=1.37m for PTN



AU.C25



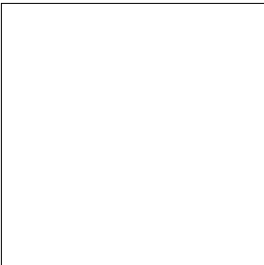
Swaying arm for counterweight balanced doors



AU.MS25



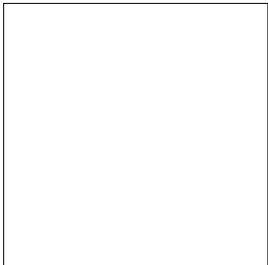
Wires for AU.MS60 or other handles



AU.MS60



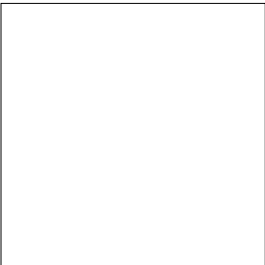
Handle for manual release.
Door max thickness 50 mm



ID.TA



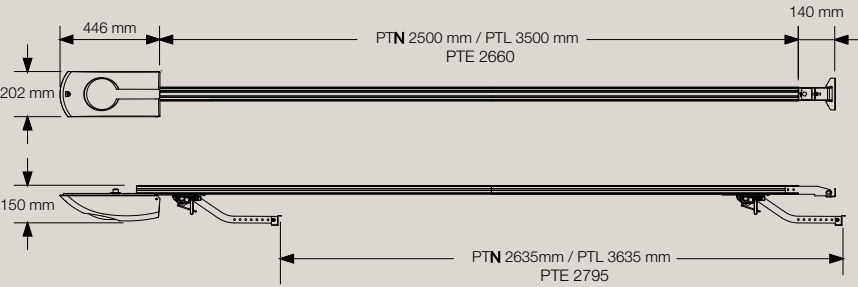
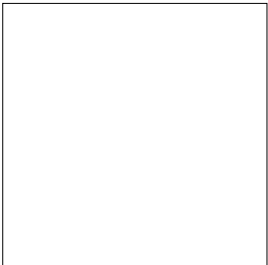
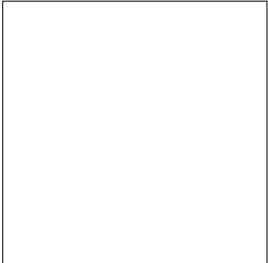
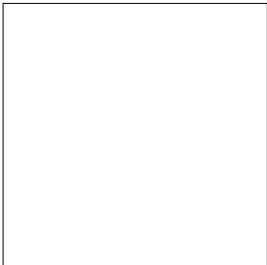
Aluminium warning board
Available in different languages



APPLE.2
APPLE.4



Key pad 433,92 Mhz rolling-code transmitter, 2 or 4 channels.
with surface mounting holder.
(for full features see page 178)



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

with separated control panel



Functional good looks and dimensions that allow installation in the most difficult places



The reduction unit is composed of parts submerged in oil to ensure a long life of the product



LEGEND ON PAGE 11

TECHNICAL DATA	VN.S20	VN.S40	VN.ST20	VN.ST40
Motor supply	230 Vac	230 Vac	400 Vac	400 Vac
Max. absorbed current	3,3 A	3,3 A	1,7 A	1,7 A
Torque	130 Nm	130 Nm	180 Nm	180 Nm
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft Hole	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)
Limit switch red. ratio	1/20	1/40	1/20	1/40
Operation cycle	30%	30%	50%	50%
Protection level	IP 40	IP 40	IP 40	IP 40
Operating temp.	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C
Max door surface	35 sqm/max.	35 sqm/max.	40 sqm/max.	40 sqm/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.S



INDUSTRIAL USE

- Self-locking electromechanical operator with fast unlock device, for industrial use
- Reduction unit submerged in oil, warm shaft made of tempered steel and bronze gear
- Strength and silence are the main characteristics

P.S. On demand the operators can be equipped with electric brake

Accessories and installation
drawing on page 104

AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

with separated control panel



Control panel available separately



The reduction unit is composed of parts submerged in oil to ensure a long life of the product



LEGEND ON PAGE 11

TECHNICAL DATA	VN.M20	VN.M40	VN.MT20	VN.MT40
Motor supply	230 Vac	230 Vac	400 Vac	400 Vac
Max. absorbed current	3,3 A	3,3 A	1,7 A	1,7 A
Torque	130 Nm	130 Nm	180 Nm	180 Nm
Output speed	24 r.p.m.	24 r.p.m.	24 r.p.m.	24 r.p.m.
Shaft Hole	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)	1" (25,4 mm)
Limit switch red. ratio	1/20	1/40	1/20	1/40
Operation cycle	30%	30%	50%	50%
Protection level	IP 40	IP 40	IP 40	IP 40
Operating temp.	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C	-20°C/+50°C
Max door surface	35 sqm/max.	35 sqm/max.	40 sqm/max.	40 sqm/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.M



INDUSTRIAL USE

- Self-locking electromechanical operator equipped with chain unlock device
- Reduction unit submerged in oil, warm shaft made of tempered steel and bronze gear
- Functional good looks and dimensions that allow installation in the most difficult places
- Strength and silence are the main characteristics

Accessories and installation
drawing on page 104

AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

with separated control panel



Operator with electric brake



Reduction unit made of bronze gear



LEGEND ON PAGE 11

TECHNICAL DATA	VN.MT40V
Motor supply	400 Vac
Max. absorbed current	2,2 A
Torque	340 Nm
Output speed	24 r.p.m.
Shaft Hole	1" (25,4 mm)
Limit switch red. ratio	1/40
Operation cycle	intensive use
Protection level	IP 40
Operating temp.	-20°C/+50°C
Lubrication	Oil
Weight	23 Kg
Items no. per pallet	30

VN.MT40V



INDUSTRIAL USE

- Irreversible electromechanical geared motor with manual chain operation for large industrial doors and unbalanced swinging doors
 - Reduction unit submerged in oil, warm shaft made of tempered steel and bronze gear
- Control panel available separately

Accessories and installation
drawing on page 104

AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

with separated control panel



Functional good looks and dimensions that allow installation in the most difficult places



The reduction unit is composed of parts in oil bath to ensure a long life of the product



LEGEND ON PAGE 11

TECHNICAL DATA	VN.S40V
Motor supply	230 Vac
Max. absorbed current	1,5 A
Torque	135 Nm
Output speed	48 r.p.m.
Shaft Hole	1" (25,4 mm)
Limit switch red. ratio	1/40
Operation cycle	40 %
Protection level	IP 40
Operating temp.	-20°C/+50°C
Max door surface	800 Kg
Lubrication	Oil
Weight	15 Kg
Items no. per pallet	48

VN.S40V



INDUSTRIAL USE

- Version for sliding industrial doors and folding doors with more than 2 wings
- Reduction unit submerged in oil, warm shaft made of tempered steel and bronze gear
- Design and reduced dimensions allow the installation of the product in the most critical places
- Strength and silence are the main characteristics



INDUSTRIAL DOORS
sliding



INDUSTRIAL DOORS
folding

VN.CT



1/2" chain. Packing 5m

VN.GT



Joint for chain VN.CT

VN.T



Chain tightener

VN.S



Door fitting brackets for VN.T

THINK



Control panel suitable for one 230Vac single phase operator up to 1500W or 400Vac 3-phases operator up to 2.200W. Built-in display for programming the functions. Technical features on page 158

START



Control panel suitable for one 230Vac single phase operator up to 1000W or 400Vac 3-phases operator up to 2.200W. "Dead man" functions. Technical features on page 160

START.I
THINK.I



START/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. Technical features on page 159

CELL.P



Control unit for 1 motor, ideal for sliding and swinging doors and industrial doors. Comes with built-in 433.92 MHz 64 code radio receiver (programmable/variable code), - automatic and semi-automatic operating logic - Removable terminal boards (for full features see page 152)

THINK.P



Control unit for one 230/400 Vac operator, suitable for industrial sectional doors and sliding doors. Multiple operating logics. Easy to use thanks to the integrated display. Open, close and stop buttons integrated in the control panel. Technical features on page 158

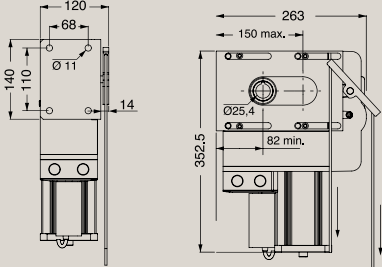
IPB.NC
IPB.NO



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

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

VN.S40V



AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS



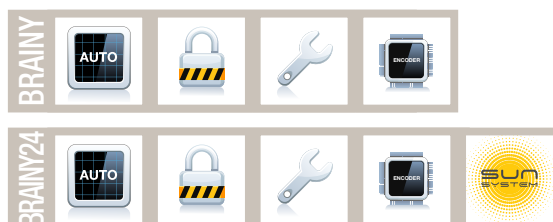
Electromechanical opening and closing limit switches included



Suggested control panel: BRAINY/BRAINY24



Reduction unit made of steel for a long life of the product



LEGEND ON PAGE 11

VN.45E VN.45E24



INDUSTRIAL USE

- Self-locking electromechanical operator suitable for folding doors with max 2 wings
- Strong and silent with gears made of steel
- Easy and fast to install

24 Vdc

- 24Vdc self-locking electromechanical operator suitable for folding doors with max 2 wings, intensive use
- Amperometric anticrushing control
- Possibility of battery back up system

VN.D45 - VN.C45 arm is not included



TECHNICAL DATA	VN.45E	VN.45E24
Motor supply	230 Vac	24 Vdc
Max. absorbed current	1,75 A	9 A
Torque	350 Nm	320 Nm
Operation cycle	30 %	intensive use
Protection level	IP 20	IP 20
Operating temp.	-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	13 Kg	12 Kg
Items no. per pallet	68	68

VN.D45



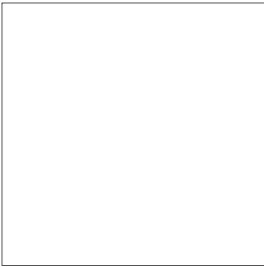
Straight galvanized arm, with welded bush, complete with fitting accessories



VN.C45D
VN.C45S



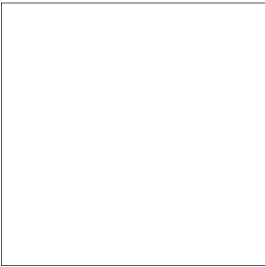
VN.C45D: Bent arm for 180° opening, with fitting accessories right side installation.
VN.C45S: Bent arm for 180° opening with fitting accessories left side installation



VN.MS



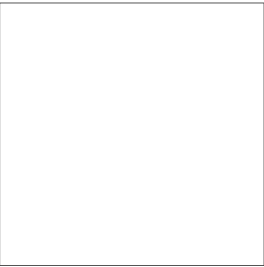
Accessory for unlock device with handle



ID.TA



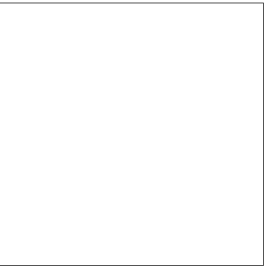
Aluminium warning board Available in different languages



BRAINY



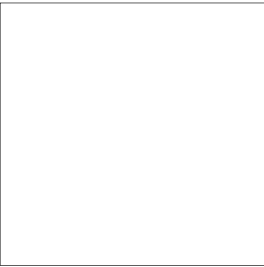
230 Vac control panel with built-in 433.92 Mhz 64-code receiver, integrated display and a number of operating logics. Inputs to connect the encoder (for full features see page 152)



BRAINY24



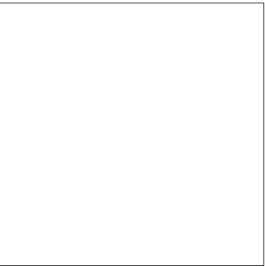
24 Vdc control panel for swinging gates with a number of operating logics. Programmable through the display, built-in 433.92 Mhz 64-code receiver.(for full features see page 162)



BRAINY24.CB



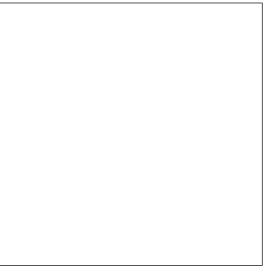
Accessory for BRAINY24 with CBY.24V battery charger, 1.2 Ah batteries and base.



CBY.24V



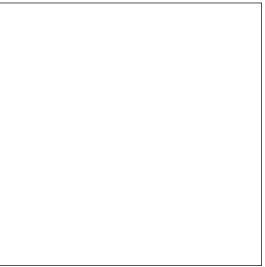
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.



DA.BT6
DA.BT2



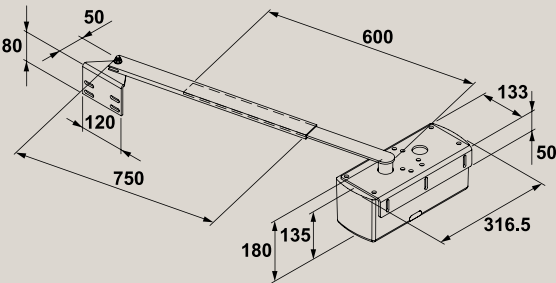
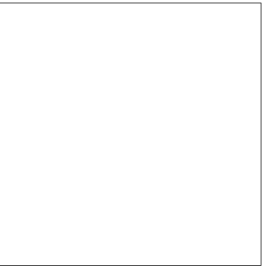
DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box



IPB.NC
IPB.NO



IPB.NC: Industrial keypad fitted with a contact that is normally open and a contact normally closed
IPB.NO: Industrial keypad fitted with 2 contacts that are normally open





ROAD
BARRIERS

		items
Passages up 4m	— painted steel / 24 Vdc / intensive use	LADY
	— stainless steel / 24 Vdc / intensive use	LADY.I
Passages up 5m	— galvanized and painted steel / 24 Vdc / intensive use	EVA.5
	— painted steel / 24 Vdc / intensive use	VE.500
	— stainless steel / 24 Vdc / intensive use	VE.500I
Passages up 6,5m	— painted steel / 24 Vdc / intensive use	VE.650
	— stainless steel / 24 Vdc / intensive use	VE.650I
Passages up 7m	— galvanized and painted steel / 24 Vdc / intensive use	EVA.7

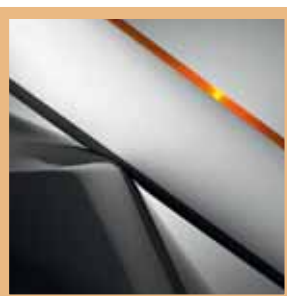
ROAD BARRIERS

for passages up to 5 m
with unlock device

EVA.5



Built in flashing light.
EVA.LAMP flashing light
circuit required



Articulated arm in line with
the new design, with
built in rubber profile and
light system



Easy to use external unlock
device



Easily accessible
control panel



- 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 that enables them to be perfectly integrated with the look, ensuring maximum functionality
- Possibility of battery back up system
- Amperometric anticrushing control

Equipped with
foundation plate



LEGEND ON PAGE 11



TECHNICAL DATA

EVA.5

Power supply	230 Vac
Motor supply	24 Vdc
Max. Absorbed current	1,6 A
Torque	205 Nm
Opening speed	2,5"
Operation cycle	intensive use
Protection level	IP 44
Operating Temp.	-20°C/+50°C
Weight	55 Kg
Items no. per pallet	9

EVA5.A



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

VE.TERM



Thermostat for for very cold places

VE.AM



Mobile support for bars

VE.RAST



Aluminium rack
L= 2 m. H=60cm

EVA.AF



Painted fixed support

EVA5.G



Aluminium joint for EVA5.A

EVA.L



Flashing light set for EVA5.A

EVA.SUP



Support for EVA internal accessories

VE.KM1HN VE.KM2HN



Single/two-channel loop detector

VE.CS



Traffic-light control unit

VE.TL



230 Vac Traffic-light

CBY.24V



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

DA.BT6 DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

EVA.LAMP



Circuit for EVA.5/EVA.7
Flashing light

DA.2S

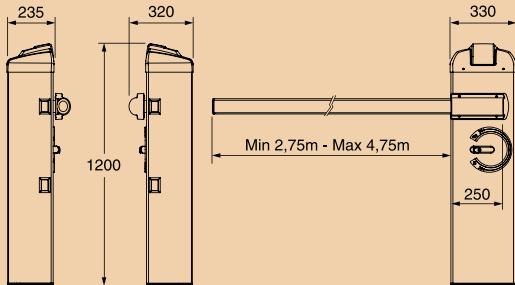


Electronic module which allows the synchronized movement of two gates/barrier

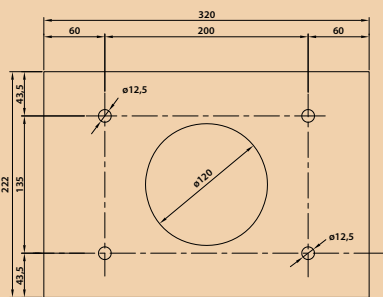
EVA.CAT5



Set of 20 adhesive refractor strips for EVA5.A



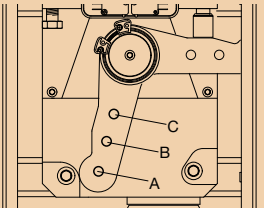
VE.PS



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



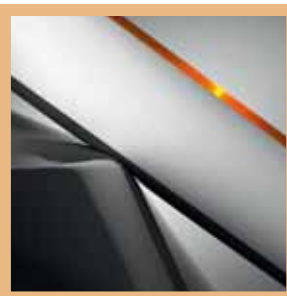
ROAD BARRIERS

for passages up to 7 m
with unlock device

EVA.7



Built in flashing light.
EVA.LAMP flashing light
circuit required



Articulated arm in line with
the new design, with built
in rubber profile and light
system



Easy to use external manual
unlock device



- 24 Vdc electromechanical road barrier for intensive use
- Easy and fast programming of the control panel thanks to its being positioned on the top of the road barrier
- Automatic obstacle detection in compliance with European regulations
- Possibility of integrated FTC.S photocells thanks to the innovative hide-away system that enables them to be perfectly integrated with the look, ensuring maximum functionality

**Foundation plate and
2 standard 480 mm springs
INCLUDED**



LEGEND ON PAGE 11



TECHNICAL DATA

EVA.7

Power supply	230 Vac
Motor supply	24 Vdc
Max. Absorbed current	1,6 A
Torque	285 Nm
Opening speed	5"-7"
Operation cycle	intensive use
Protection level	IP 44
Operating Temp.	-20°C/+50°C
Weight	105 Kg
Items no. per pallet	6

EVA7.A



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

VE.TERM



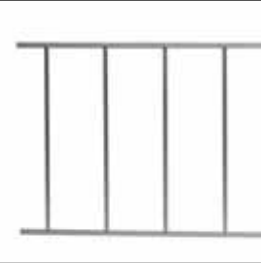
Thermostat for EVA.7 for very cold places.

VE.AM



Mobile support

VE.RAST



Aluminium rack
L= 2 m. H=60cm

EVA.AF



Painted fixed support

EVA7.G



Joint for EVA7.A

EVA.SUP



Support for EVA internal accessories

EVA.L



Set of flashing signals for EVA7.A

VE.KM1HN
VE.KM2HN



Single/two-channel loop detector

VE.CS



Traffic-light control unit

VE.TL



230 Vac Traffic-light

CBY.24V



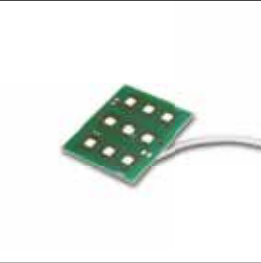
Battery charger card. The CBY.24V card allows to charge two different types of nickel metalidrate and lead batteries.

DA.BT6
DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

EVA.LAMP



Circuit for EVA.5/EVA.7
Flashing light

DA.2S



Electronic module which allows the synchronized movement of two gates/barriers

EVA.CAT7

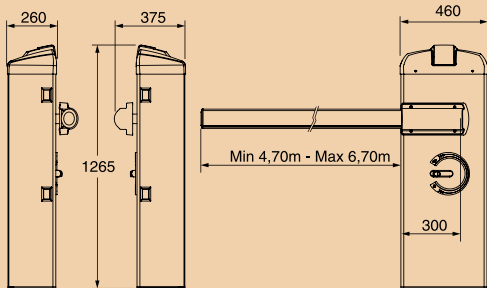


Set of 20 adhesive refractor strips for EVA7.A

EVA.KM*



Spring for EVA.7 (364 mm)

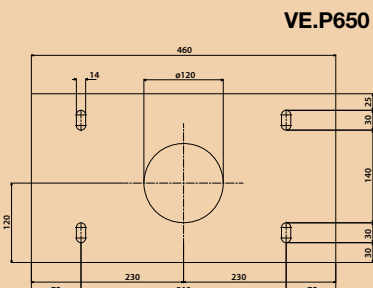


WITHOUT ACCESSORIES

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	---	---	---



ROAD BARRIERS

for passages from 2 m to 4 m
with unlock device



Easy to use external
unlock device



Stainless steel version
available



New control panel with all the
standard features and pull-out
terminals



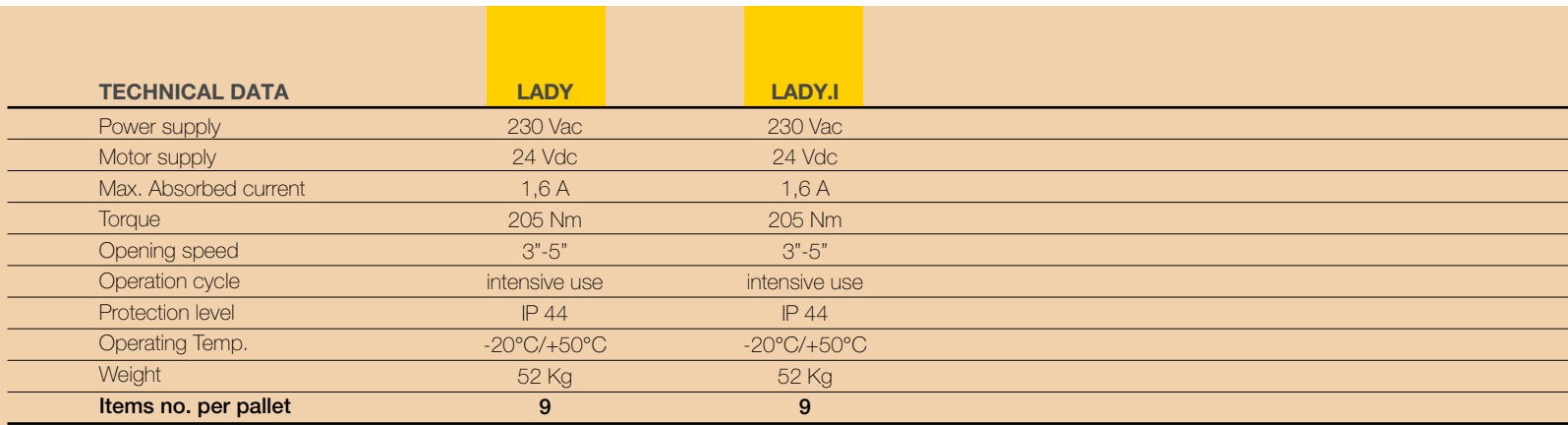
LEGEND ON PAGE 11

LADY

- Electromechanical barrier for passages up to 4m, intensive use
- Easy to use external manual unlock device
- Slowing down setup thanks to two adjustable limit switches
- Speed, strength and soft stop/start adjustable for an always correct use and performance
- Possibility of integrated FTC.S photocells thanks to the innovative hide-away system that enables them to be perfectly integrated with the look, ensuring maximum functionality

**Equipped with
foundation plate**





--	--	--	--	--



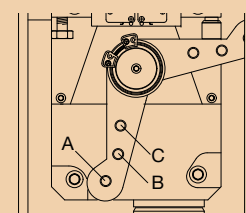
A diagram illustrating a T-junction. A horizontal road segment enters from the left and terminates at a vertical road segment that continues downwards. The junction is marked with red and white striped patterns on the pavement.



Technical drawing of the 1008 series door handle. The drawing shows a side view of the handle with dimensions: 324 (width of the base), 222 (width of the handle), and 1008 (height of the base). The handle is shown in two positions: MIN. 2.0m (minimum length) and MAX. 4.0m (maximum length). The handle is shown with a 40° angle.

Technical drawing of a square plate with a central hole and four corner holes. The overall dimensions are 320 mm by 222 mm. The central hole has a diameter of $\phi 120$. The four corner holes have a diameter of $\phi 12.5$. The distance from the center of the central hole to the center of each corner hole is 200 mm horizontally and 135 mm vertically. The distance from the center of the central hole to the nearest corner hole is 60 mm horizontally and 43.5 mm vertically. The distance from the center of the central hole to the farthest corner hole is 260 mm horizontally and 178.5 mm vertically.

	2,2m	2,7m	3,2m	3,7m	4,2m
LADY.A	C	C	C	B	A
LADY.P	C	C	B	B	A
VE.RAST	C	B	B	A	-
LADY.P+VE.RAST	C	B	B	A	-
LADY.P+VE.AM	C	B	B	A	-
LADY.P+VE.RAST+VE.AM	C	B	A	-	-
SC.RES	C	B	B	A	-
LADY.P+SC.RES	C	B	A	A	-
SC.RES+VE.AM	C	B	A	A	-
LADY.P+SC.RES+VE.AM	C	B	A	-	-

BENINCA
CATALOGUE
2012

ROAD BARRIERS

for passages up to 5 m

Equipped with control unit



Perfect movements thank to three limit switches



Available in painted steel(VE.500) or stainless steel(VE.500I)



LEGEND ON PAGE 11

VE.500



- Electromechanical barrier for passages up to 5m
- Intensive use and high reliability
 - Easy to install and set up
- Stainless steel version available
- Possibility of integrated FTC.S photocells thanks to the innovative hide-away system that enables them to be perfectly integrated with the look, ensuring maximum functionality

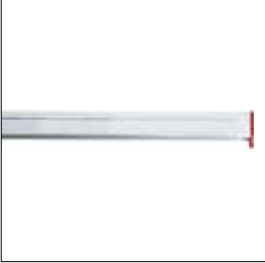
Equipped with foundation plate

The standard road barriers are equipped with 1 white spring



TECHNICAL DATA	VE.500	VE.500I
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Max. Absorbed current	1,6 A	1,6 A
Torque	205 Nm	205 Nm
Opening speed	3"-5"	3"-5"
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating Temp.	-20°C/+50°C	-20°C/+50°C
Weight	57 Kg	57 Kg
Items no. per pallet	9	9

VE.500S



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

VE.C500



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
VE.GT70



Aluminium joint for VE.500S
Aluminium joint for VE.C500

VE.RP



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

VE.TERM



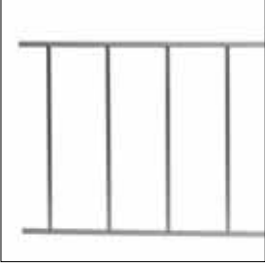
Thermostat for VE.500. For very cold places

VE.AM



Mobile support

VE.RAST



Aluminium rack L=2 m H=60cm

VE.AF
VE.AFI



VE.AF: Painted fixed support
VE.AFI: Stainless steel fixed support for bars

VE.KMB
VE.KMG/N



Spring for VE.500I yellow, neutral or white

VE.KM24



Set of 3 springs for VE.500I -VE.650I: yellow, neutral, white

VE.SN500



Set of joints for the articulation of VE.500S

VE.L500



Set of flashing signals for VE.500S

VE.CAT500



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

VE.KM1HN
VE.KM2HN



Single/two-channel loop detector

VE.CS



Traffic-light control unit

DA.2S



Electronic module which allows the synchronized movement of two gates/barriers

VE.TL



230 Vac Traffic-light

CBY.24V

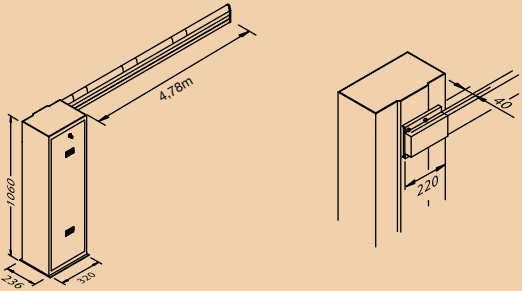


Battery charger card. The CBY.24V card allows to charge two different types of nickel metalhydrate and lead batteries.

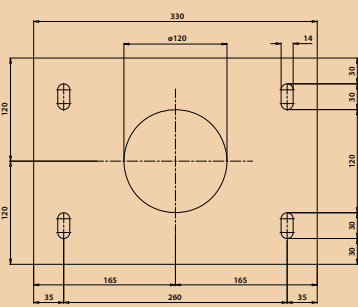
DA.BT6
DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box



VE.P500



HOW TO CHOOSE THE TYPE OF SPRING AND THE POSSIBLE ACCESSORIES

CODE	TYPE OF SPRING	LENGHT OF ROAD BARRIER BEAM (m)	THE POSSIBLE ACCESSORIES
VE.500I	1 yellow	2	VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP
	1 yellow	2,5	-
	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 - SC.RES - VE.L500 - VE.SN500 - VE.RAST - VE.RP
	1 neutral	4	VE.AM - SC.RES - VE.L500 - VE.SN500 - VE.RAST - VE.RP
	1 white	4,5	VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP
	1 white	5	VE.AM - VE.L500 - VE.SN500 - SC.RES - VE.RP

ROAD BARRIERS

for passages up to 6,5 m

Equipped with control unit



Sturdy and compact operator for maximum reliability and long life



Built-in control panel with fast and easy programming



LEGEND ON PAGE 11

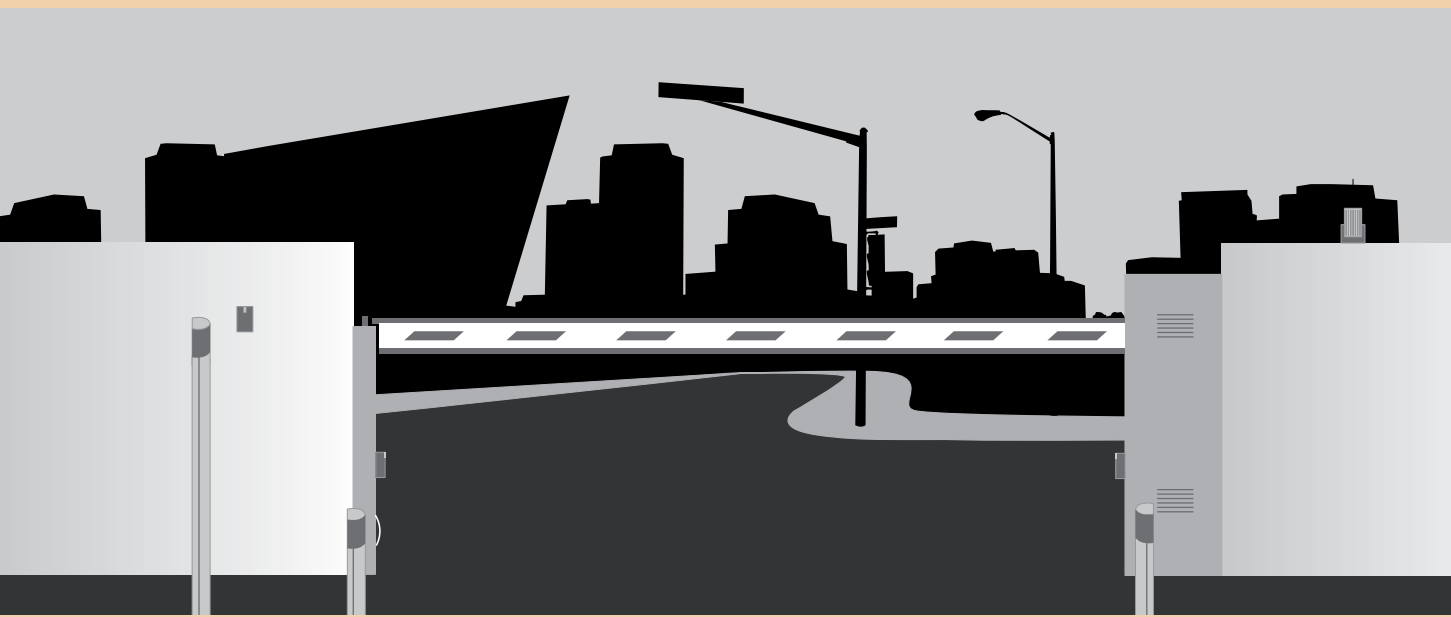
VE.650



- Electromechanical road barrier for passages up to 6,5 m, intensive use with great performances
- Safety guaranteed by low voltage
- Easy installation and programming of the barrier
- Stainless steel version available
- Possibility of integrated FTC.S photocells thanks to the innovative hide-away system that enables them to be perfectly integrated with the look, ensuring maximum functionality

**Equipped with
foundation plate**

**The standard road barriers
are equipped with 2
neutral springs**



TECHNICAL DATA	VE.650	VE.650I
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Max. Absorbed current	1,6 A	1,6 A
Torque	285 Nm	285 Nm
Opening speed	5"-7"	5"-7"
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating Temp.	-20°C/+50°C	-20°C/+50°C
Weight	83,6 Kg	83,6 Kg
Items no. per pallet	6	6

VE.650A



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

VE.C650



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



Aluminium joint for VE.650A, arm

VE.GT90



Aluminium joint for VE.C650 Arm

VE.RP



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

VE.TERM



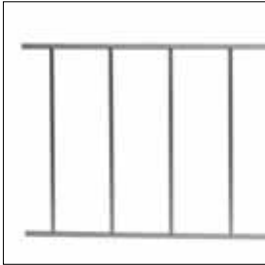
Thermostat for VE.650/I
For very cold places

VE.AM



Mobile support

VE.RAST



Aluminium rack L=2 m H=60cm

VE.AF VE.AFI



VE.AF: Painted fixed support
VE.AFI: Stainless steel fixed support for bars

VE.KMB VE.KMG/N



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

VE.KM24



Set of 3 springs for VE.500/I -VE.650/I: yellow, neutral, white

VE.L650



Set of flashing signals for VE.650A bar

VE.CAT650



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

VE.KM1H VE.KM2H



Single/two-channel loop detector

VE.CS



Traffic-light control unit

DA.2S



Electronic module which allows the synchronized movement of two gates/barriers

VE.TL



230 Vac Traffic-light

CBY.24V

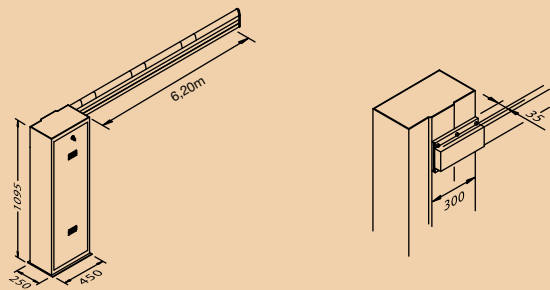


Battery charger card. The CBY.24V card allows to charge two different types of nickel metalhydrate and lead batteries.

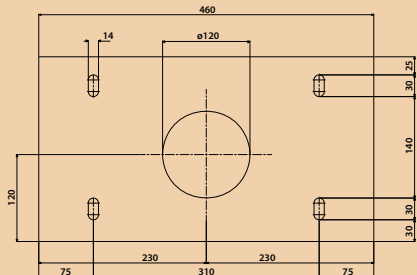
DA.BT6 DA.BT2



DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

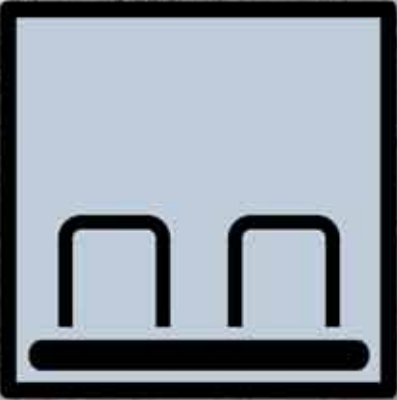


VE.P650



HOW TO CHOOSE THE TYPE OF SPRING AND THE POSSIBLE ACCESSORIES

CODE	TYPE OF SPRING	LENGHT OF ROAD BARRIER BEAM (m)	THE POSSIBLE ACCESSORIES
VE.650/I	1 neutral	4,5	VE.AM - SC.RES - VE.L650 - VE.RAST - VE.RP
	1 yellow + 1 neutral	5	VE.AM - SC.RES - VE.L650 - VE.RAST - VE.RP
	1 yellow + 1 neutral	5,5	VE.AM - SC.RES - VE.L650 - VE.RAST - VE.RP
	1 yellow + 1 neutral	6	-
	2 neutral	6	VE.AM - SC.RES - VE.L650 - VE.RAST - VE.RP
	2 neutral	6,5	VE.AM - SC.RES - VE.L650 - VE.RAST - VE.RP



CAR PARK
SAVER

Car park saver

24 Vdc automatic - intensive use

manual

items

VE.SOR

VE.SOM

CAR PARK SAVER



Automation that
safeguards the
private car parks

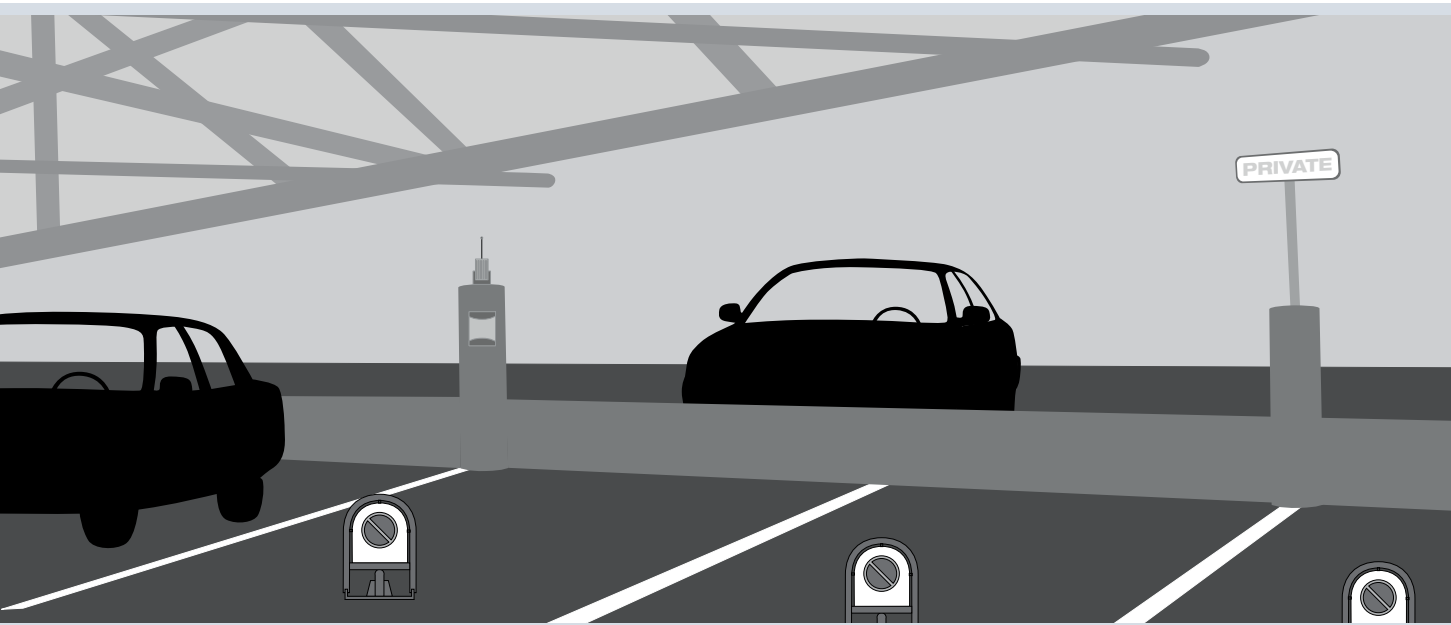


The easiest way to save your
car park place

VE.SOR/ VE.SOM

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



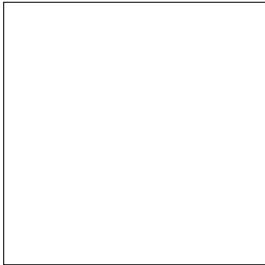


TECHNICAL DATA	VE.SOR	VE.SOM
Operating way	24V automatic	manual
Power supply	230 Vac	-
Motor supply	24 Vdc	-
Max. absorbed current	2 A	-
Opening speed	9"	-
Operation cycle	intensive use	-
Protection level	IP 54	-
Weight	7,5 Kg	6,80 Kg
Items no. per pallet	22	22

DA.S04



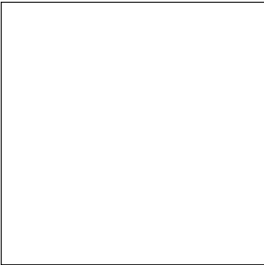
Control unit, for max. 4 VE.SOR, prepared for plug-in receiver N.B. 1 module DA.E each VE.SOR is required



DA.E



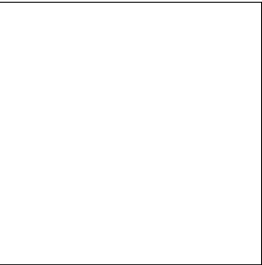
Module for VE.SOR (one DA.E each VE.SOR)



DA.RB



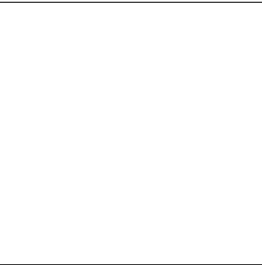
Battery charger card for DA.S04



DA.BT6
DA.BT2



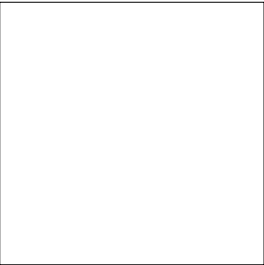
DA.BT6: 7Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box



ONE.2WI



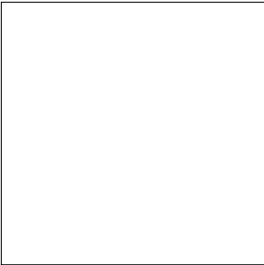
433.92 Mhz universal receiver, 2 plug-in channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code(ARC). It picks up the coding after the first contact with the One transmitter.



ONE.2WB



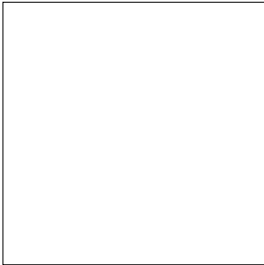
433.92 Mhz universal receiver, 2 box channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code (ARC). It picks up the coding after the first contact with the One transmitter.



TO.GO2WV



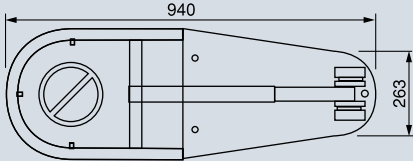
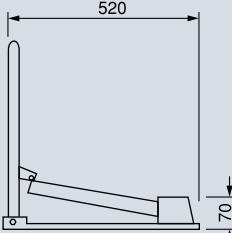
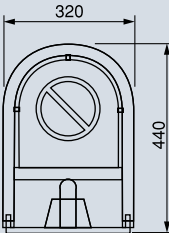
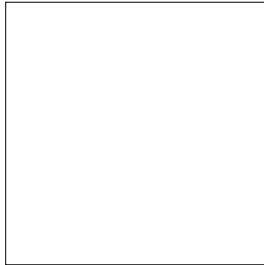
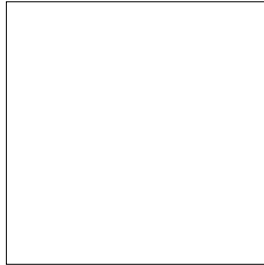
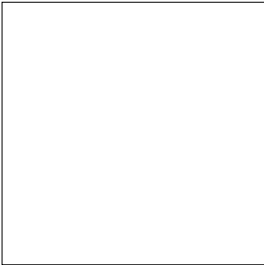
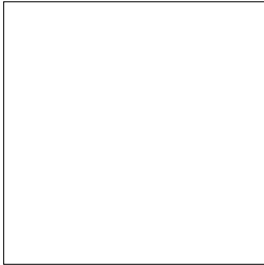
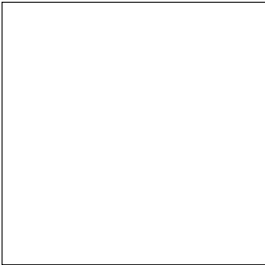
2 channels rolling-code transmitter



TO.GO4WV

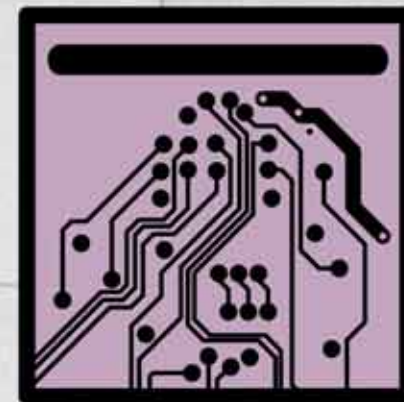


4 channels rolling-code transmitter





ELECTRONIC CONTROL PANELS



GREEN ECONOMY

230 Vac single-phase control panels

230/400 Vac single-phase/three-phase

24 Vdc control panels

items

ESA SYSTEM

SUN SYSTEM

HEADY

BRAINY / CORE

MATRIX

LOGICA

CELL.P

HEADY

BRAINY

LOGICA / BRAINY

THINK / THINK.I / THINK.P / START / START.I

LOGICA24.RI

BRAINY24 / HEADY24

LOGICA24.RI

BRAINY24 / HEADY24

DA.S04

GREEN ECONOMY

ECO COMPATIBLE AUTOMATED DEVICES
THE BEST WAY TO SAVE



ESA SYSTEM



- 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.
- The system allows not just to reduce the motor's absorption rates (an average yearly saving of 250 kW), but allows to translate lower energy consumption into savings
- The control panel can also be used as a normal receiver with 6 channels with the opportunity of saving the transmitters directly in the ESA control panel.
- Maximum flexibility thanks to the three types of code: rolling code, advanced rolling code (ARC) and programmable code.
- ESA SYSTEM is a BENINCA' project (pending patent)

GREEN ECONOMY



SUN SYSTEM

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.



GREEN ECONOMY



KSUN
KIT to operate the system by means of a solar panel consisting of a high-performance monocrystalline silicon solar panel (30W) and a control panel (SUNNY) fitted with display, Built-in 3-code radio receiver and two batteries (12V-7Ah). The receiver can handle three different types of code: rolling code, programmable code and advanced rolling code (ARC).



SUN.SY
Control unit fitted with display and a radio receiver that can handle 3 types of code: rolling code, programmable code and advanced rolling code (ARC). It is possible to connect to the control panel up to 3 solar panels

ACCESSORIES



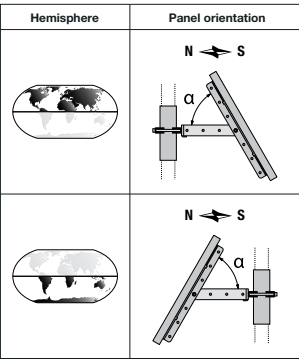
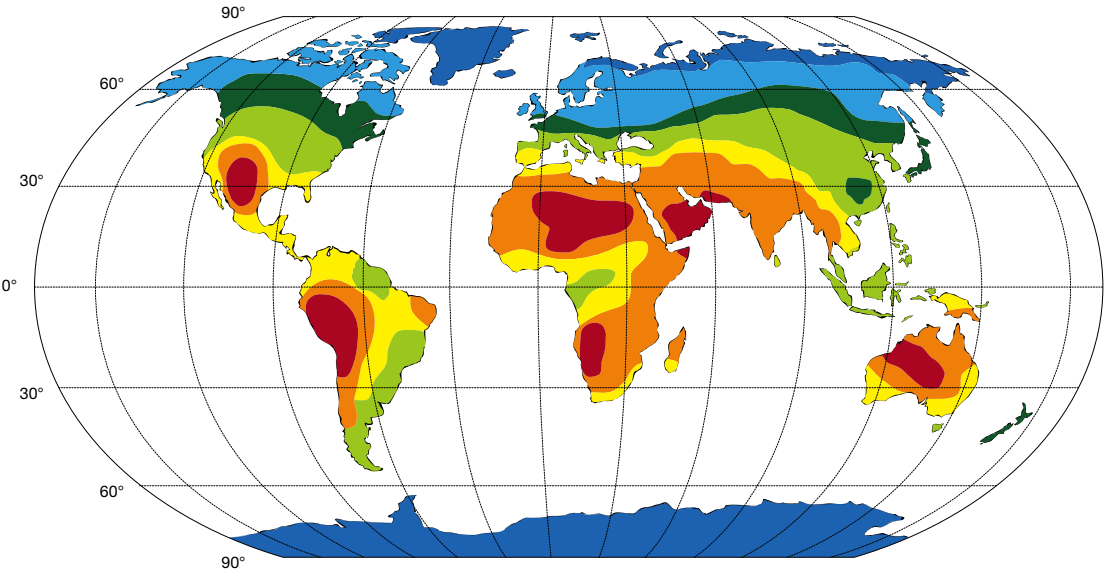
DA.BT18
18 Ah 12 Vdc batteries.



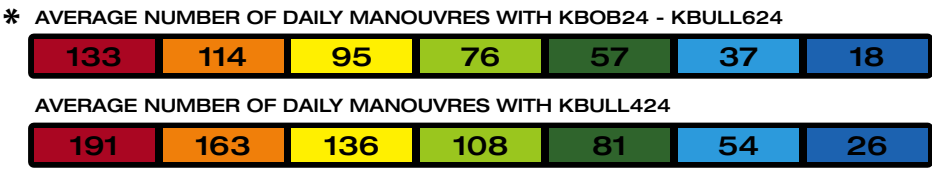
SUN.PANEL
High-performance monocrystalline silicon solar panel (30W)



CHART REGARDING AVERAGE SOLAR RADIATION DISTRIBUTION



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



* Refer back to the manual for more precise values

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

TECHNICAL DATA

SOLAR PANEL TECHNICAL DATA

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

CENTRAL TECHNICAL DATA (SUNNY)

Battery type	24 Vdc Pb (Lead)
Battery capacity	7Ah - 50 Ah
Photovoltaic panel type	Vmp: 15 ÷ 40V (Load voltage) / Wp: 15 ÷80 W (Maximum power)
Power supply output	24 Vdc
Protection degree	IP 55
Operational temperature	-20°C / +70°C
Radio receiver	433.92 MHz built-in and configurable (rolling code or fixed + rolling code)
No. of codes that can be saved	512 Rolling code, 16 code fixed

CONTROL PANELS

230 Vac
230-400 Vac
24 Vdc



CONTROL PANELS



230 Vac CONTROL PANELS



BRAINY

- Control panel for 1 or 2 motors, ideal for swinging or sliding doors
- Easy to install thanks to the built-in display
- A number of operating logics
- Separate inputs to connect the encoder for each motor
- Self-configuration of operating parameters with motors fitted with encoders
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Electronic adjustment of the torque and operating times of each motor
- Separate limit switch inputs to open and close each motor
- Separate slowing-down function during opening and closure for each motor
- Removable terminal boards
- Input for 8K2 safety sensitive edge
- It can also be used with hydraulic operators
- Possibility of viewing the actual number of cycles counter
- Programming access password



CELL.P

- Control panel for 1 motor ideal for industrial sectional doors or sliding gates
- Electronic adjustment of the torque on 4 levels
- Simple diagnostics thanks to the LEDs that indicate the status of the inputs
- Automatic and semi-automatic operating logic
- Removable terminal boards
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Inputs for opening and closing limit switches
- Programmable inputs for as single-step or close buttons
- Input for 8K2 safety sensitive edge
- Fitted with LB box and open-single-step and close buttons.



HEADY

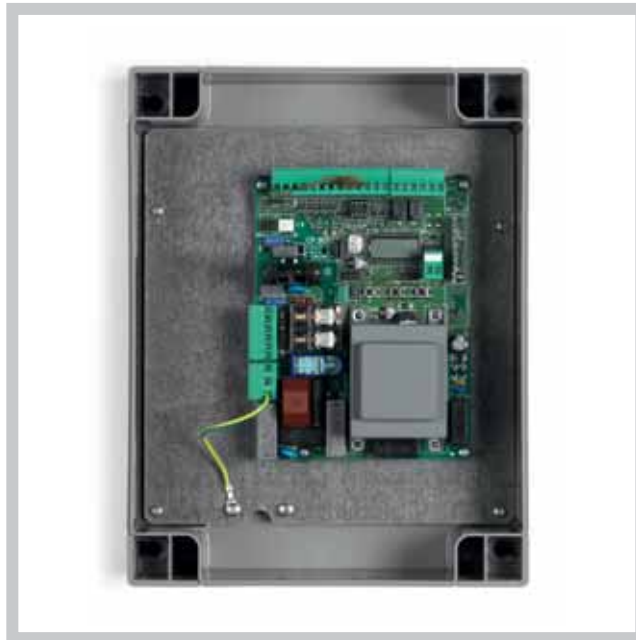
- Control panel for 1 or 2 motors, ideal for swinging doors
- Easy to install thanks to the built-in display
- A number of operating logics
- Electronic adjustment of the motor torque
- Removable terminal boards
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Fixed slowing-down function during opening and closure
- Programmable photocell input for exclusion function during opening
- Presetting for serial controls auxiliary card
- Pedestrian door entrance
- 24 Vac output for lamp signalling the gate is open
- The output of the second radio channel allows to manage other automations
- It can also be used with hydraulic operators
- Possibility of viewing the actual number of manoeuvres
- Programming access password



LOGICA

- Control panel for 1 or 2 motors, ideal for overhead doors of the ZED SC/ range
- Easy to install thanks to the built-in display
- A number of operating logics
- Input to connect the encoder (it requires a MAG.E magnetic encoder accessory)
- Self-configuration of operating parameters with motors fitted with encoders, ZED SC + MAG.E versions only.
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Electronic adjustment of the torque and operating times
- Opening and closure limit switch
- Slowing-down function during opening and closure
- Removable terminal boards
- Input for 8K2 safety sensitive edge
- Programmable photocell input for exclusion function during opening
- Possibility of viewing the actual number of manoeuvres
- Programming access password

230 Vac CONTROL PANELS



MATRIX

- Control panel for 1 operator, ideal for sliding gates
- Simple to install thanks to the integrated display
- Multiple operating logics
- Electronic regulation of torque on opening and closing
- Slowing down in opening and closing
- Electronic braking guarantees precise stopping even with heavy doors
- Plug in terminals
- Integrated radio receiver 433,92 Mhz, memory capability up to 64 codes (programmable code/rolling code)
- Inputs for opening and closing limit switches
- Programmable timer input for management of centralised closures
- Input for 8K2 safety sensitive edge
- Cycle counter



KER

- Control panel for 1 motor ideal for sliding or swinging doors or hydraulic actuators
- Reduced power on accessory power supply outlet: it is possible to connect only one pair of photocells mod. PUPILLA.F
- Electronic adjustment of the torque on 4 levels
- Simple diagnostics thanks to the LEDs that indicate the status of the inputs
- Automatic and semi-automatic operating logic
- Fixed terminal boards
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Inputs for opening and closing limit switches
- Programmable input as single-step or open



CORE

- Control panel for 1 motor ideal for sliding or swinging doors or hydraulic actuators
- Electronic adjustment of the torque on 4 levels
- Simple diagnostics thanks to the LEDs that indicate the status of the inputs
- Automatic and semi-automatic operating logic
- Removable terminal boards
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Inputs for opening and closing limit switches
- Programmable input as single-step or open
- Fitted with SB box.

230-400 Vac CONTROL PANELS



THINK

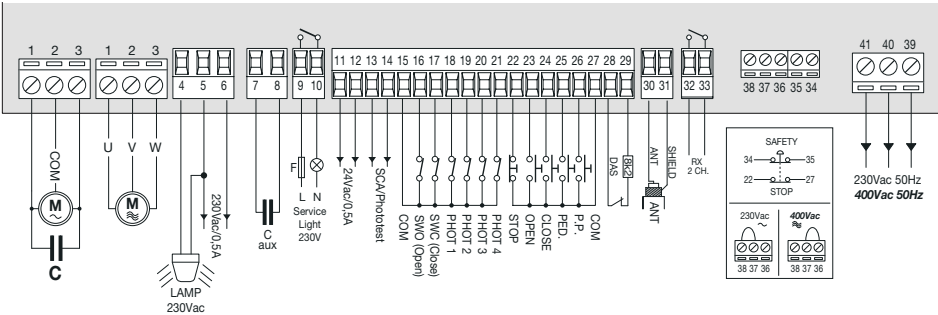
- Control panel for 1 operator 230/400 Vac, ideal for industrial sectional doors and sliding doors indicated for applications with intensive work cycles
- Simple to install thanks to the integrated display
- Anticrushing safety device thanks to the innovative electronic clutch
- Multiple operating logics
- Plug in terminals
- Prepared for plug-in radio receiver
- Inputs for opening and closing limit switches
- Input for 8K2 safety sensitive edge
- Input for pedestrian opening
- Cycle counter

THINK.P

- Control panel for 1 operator 230/400 Vac, ideal for industrial sectional doors and sliding doors indicated for applications with intensive work cycles
- Simple to install thanks to the integrated display
- Anticrushing safety device thanks to the innovative electronic clutch
- Multiple operating logics
- Plug in terminals
- Prepared for plug-in radio receiver
- Inputs for opening and closing limit switches
- Input for 8K2 safety sensitive edge
- Input for pedestrian opening
- Cycle counter
- Open, close, stop buttons integrated

THINK.I

- Control panel for 1 operator 230/400 Vac, ideal for industrial sectional doors and sliding doors indicated for applications with intensive work cycles
- Simple to install thanks to the integrated display
- Anticrushing safety device thanks to the innovative electronic clutch
- Multiple operating logics
- Plug in terminals
- Prepared for plug-in radio receiver
- Inputs for opening and closing limit switches
- Input for 8K2 safety sensitive edge
- Input for pedestrian opening
- Cycle counter
- Open, close, stop buttons with self-hold and three-pole door-blocking switch incorporated in the control unit
- Resistant box for use in industrial environments, degree of protection IP55



230-400 Vac CONTROL PANELS

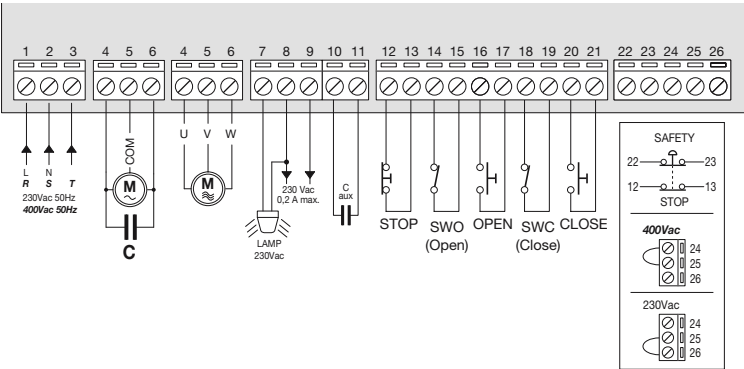


START

- Control panel for 1 operator 230/400 Vac, ideal for industrial sectional doors and sliding doors indicated for applications with intensive work cycles
- “Dead men” function
- Fixed terminal boards
- Inputs for opening and closing limit switches
- Input for emergency stop button
- Open and close buttons integrated in the control unit
- Output for flashing light connection
- Possibility of connecting an auxiliary capacitor for greater starting torque of the motor

START.I

- Control panel for 1 operator 230/400 Vac, ideal for industrial sectional doors and sliding doors indicated for applications with intensive work cycles
- “Dead men” function
- Fixed terminal boards
- Inputs for opening and closing limit switches
- Input for emergency stop button
- Open and close buttons integrated in the control unit
- Output for flashing light connection
- Possibility of connecting an auxiliary capacitor for greater starting torque of the motor
- Open, close, stop buttons with self-hold and three-pole door-blocking switch incorporated in the control unit
- Resistant box for use in industrial environments, degree of protection IP55



EXTERNAL CONTROL PANELS FEATURES	THINK	THINK.P	THINK.I	START	START.I
Motors power supply 24Vdc					
Motors power supply 230Vac	•	•	•	•	•
Motors power supply 400Vac	•	•	•	•	•
INPUTS					
Step by step input	•	•	•		
Open input	•	•	•	•	•
Close input	•	•	•	•	•
Pedestrian opening input	•	•	•		
Photocell input					
Photocell input in opening phase	•	•	•		
Photocell input in closing phase	•	•	•		
Stop input	•	•	•	•	•
Conductive safety input	•	•	•		
Limit switch input open/close for Motor 1	•	•	•	•	•
Limit switch input open/close for Motor 2					
OUTPUTS					
Motor 1 output	•	•	•	•	•
Motor 2 output					
Flashing Light output	•	•	•	•	•
12 Vac electric lock output					
Auxiliary output for optional electric-lock card					
Courtesy light output	•	•	•		
Auxiliary output 24 Vac/dc	•	•	•		
Gate open indicator	•	•	•		
photocell power supply output with phototes	•	•	•		
2nd radio channel output	•	•	•		
OPERATING LOGICS					
“Dead man” function	•	•	•	•	•
Semi-automatic function	•	•	•		
Automatic function	•	•	•		
Multi-flat function	•	•	•		
Step by Step function (open-close-open)	•	•	•		
Timer function in opening	•	•	•		
adjustable slowdown time					
fixed slow down time					
Electronic brake					
Pre-warning flashing light	•	•	•		
Disable photocell in opening phase	•	•	•		
Close immediatly after photocell	•	•	•		
Maintening hydraulic motor pressure					
Opening delay motor 2					
Closing delay motor 1					
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					

24 Vdc CONTROL PANELS



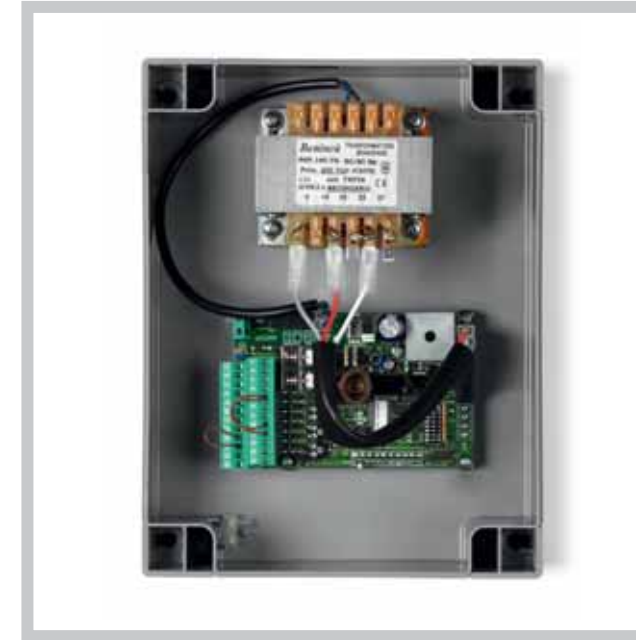
BRAINY24

- 24 Vdc control panel for 1 or 2 motors ideal for swinging or sliding gates
- Easy to install thanks to the built-in display
- Anticrushing safety function with amperometric sensor
- A number of operating logics
- Self-configuration of operating parameters
- Separate slowing-down function during opening and closure for each motor
- Removable terminal boards
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Output for 12 Vac/dc electric lock control
- Inputs to connect the encoder or opening and closing limit switch for each motor
- Inputs for single-step, pedestrian and stop buttons
- Input for 8K2 safety sensitive edge
- Presetting for serial controls auxiliary card
- Possibility of viewing the actual number of manoeuvres
- Programming access password
- It can be operated with the KSUN solar kit



HEADY24

- 24 Vdc control panel for 1 or 2 motors ideal for swinging gates. To be used on 24 Vdc motors of the BOB2124, BOB3024, BILL24 ranges
- Easy to install thanks to the built-in display
- Anticrushing safety function with amperometric sensor
- Simplified operating logics and operating parameters
- Self-configuration of operating parameters
- Slowing-down function during opening and closure
- Removable terminal boards
- It comes with built-in 433.92 MHz 64-code radio receiver (programmable code/variable code)
- Inputs to connect the encoder or opening and closing limit switch for each motor
- Inputs for single-step, pedestrian and stop buttons
- Presetting for serial controls auxiliary card
- Possibility of viewing the number of actual manoeuvres
- Programming access password
- It can be operated with the KSUN solar kit



LOGICA24.RI

- Control panel for 1 or 2 operators, ideal for counterweights garage doors series ZED24
- Amperometric anticrushing control
- Automatic and semiautomatic function
- Simple diagnostics thanks to the leds that indicate the status of the inputs
- Electronic regulation of motor speed and torque
- Soft start and slowing down functions
- Plug in terminals
- Integrated radio receiver 433.92 Mhz memory capability up to 64 codes (programmable code/rolling code)
- Inputs for opening and closing limit switches
- Inputs for step-by-step, open, close, stop buttons
- Input for 8K2 safety sensitive edge
- Input for photocell on closing

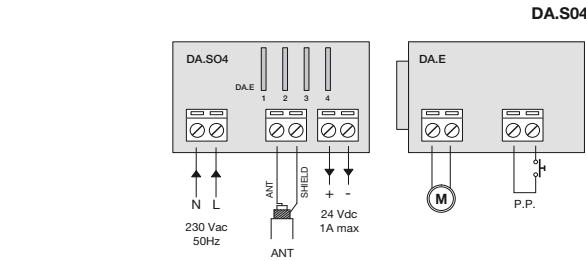
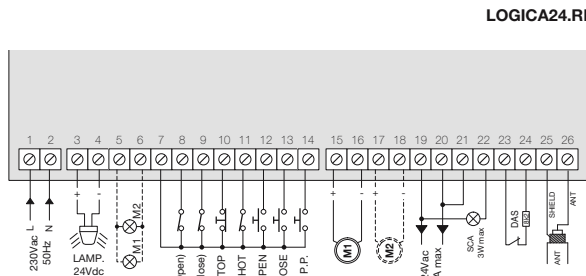
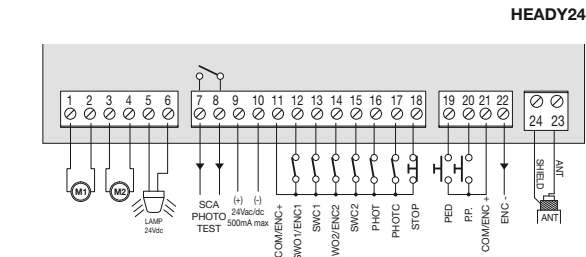
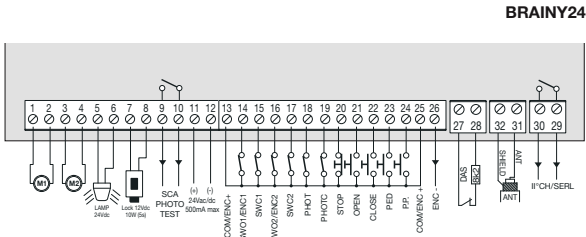


DA.S04

- Control panel for car park saver series VE.SOR
- 24 Vdc motor power supply
- Plug for DA.RB battery charger card
- Possibility of managing up to 4 VE.SOR
- Step-by-step input

EXTERNAL CONTROL PANELS FEATURES

	LOGICA24	DA.S04	BRAINY24	HEADY24
Motors power supply 24Vdc	•	•	•	•
Motors power supply 230Vac				
Motors power supply 400Vac				
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			•	•
Mainteneng hydraulic motor pressure				
Opening delay motor 2			•	•
Closing delay motor 1			•	•
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			•	•



24 Vdc CONTROL PANELS ACCESSORIES



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



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



DA.RB
Battery charger card for DA.S04



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



DA.BT6
DA.BT2
DA.BT2: 2.1 Ah 12 VDC Battery
DA.BT6: 7 Ah 12 VDC Battery



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



NIMH
2 Ah, 24 Vdc NIMH batteries



SB
Plastic box for small control unit (160 x 130 x 73 mm)



HB
Box for HEADY/HEADY24. Protection level IP 55. (266 x 188 x 99 mm)



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

230 Vac CONTROL PANELS ACCESSORIES



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



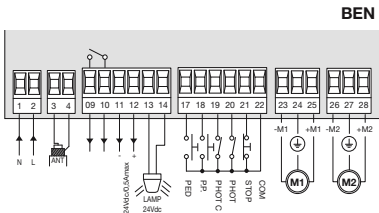
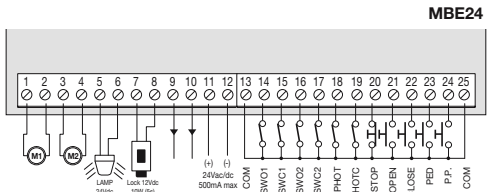
DA.2S
Electronic module which allows the synchronized movement of two gates



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

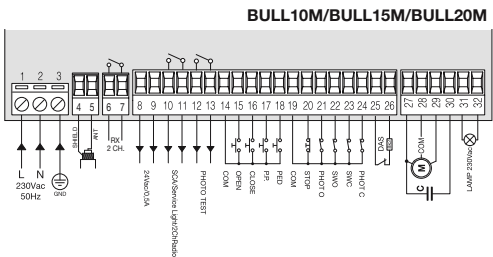
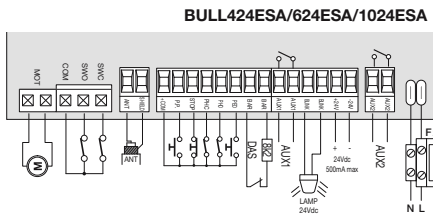
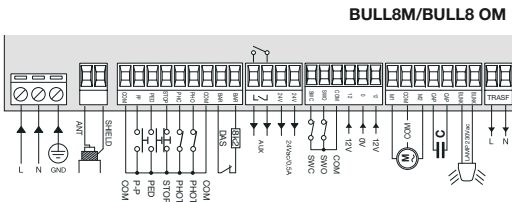
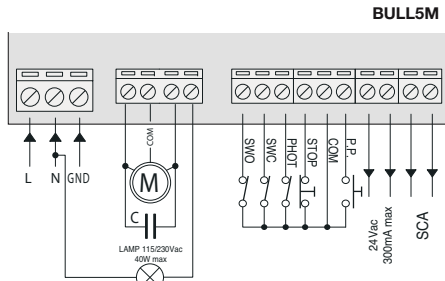
FUNCTIONS OF ON BOARD
PANELS SWINGING GATES

	MBE24	BEN
Motors power supply 24Vdc	•	•
Motors power supply 230Vac		
Motors power supply 400Vac		
INPUTS		
Step by step input	•	•
Open input	•	
Close input	•	
Pedestrian opening input	•	•
Photocell input		
Photocell input in opening phase	•	•
Photocell input in closing phase	•	•
Stop input	•	•
Conductive safety input	•	
Limit switch input open/close for Motor 1	•	
Limit switch input open/close for Motor 2	•	
OUTPUTS		
Motor 1 output	•	•
Motor 2 output	•	•
Flashing Light output	•	•
12 Vac electric lock output	•	
Auxiliary output for optional electric-lock card		
Courtesy light output	•	•
Auxiliary output 24 Vac/dc	•	•
Gate open indicator	•	•
photocell power supply output with phototes	•	
2nd radio channel output	•	•
OPERATING LOGICS		
“Dead man” function	•	
Semi-automatic function	•	•
Automatic function	•	•
Multi-flat function	•	•
Step by Step function (open-close-open)	•	•
Timer function in opening	•	•
adjustable slowdown time	•	•
fixed slow down time		
Electronic brake		
Pre-warning flashing light	•	•
Disable photocell in opening phase		
Close immediatly after photocell	•	
Maintening hydraulic motor pressure		
Opening delay motor 2	•	•
Closing delay motor 1	•	•
ADJUSTMENTS		
Electromechanical ajustement force		
Electronic ajustement force	•	•
Speed ajustement	•	
Starting with maximum power	•	
self ajustment of working parameters	•	•
Parameters ajustment through potentiometer		
Parameters ajustment through LCD display	•	•
OTHER CHARACTERISTICS		
Diagnostic LEDs		
433,92 MHz built-in receiver	•	•
Parameters ajustment 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	•	

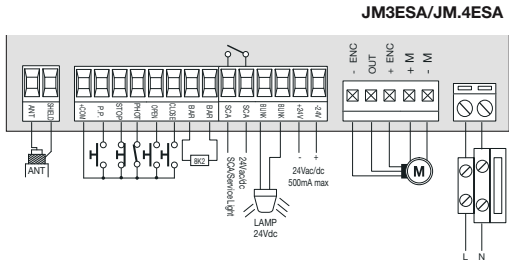
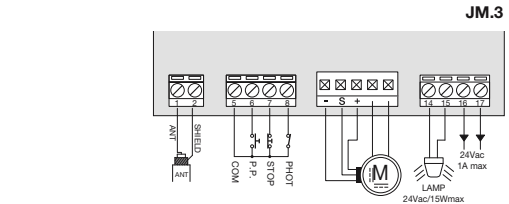
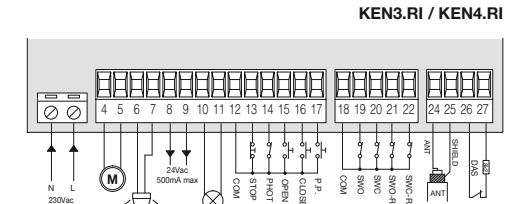
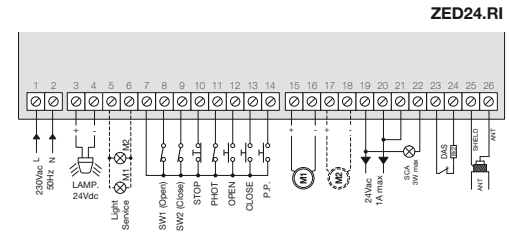
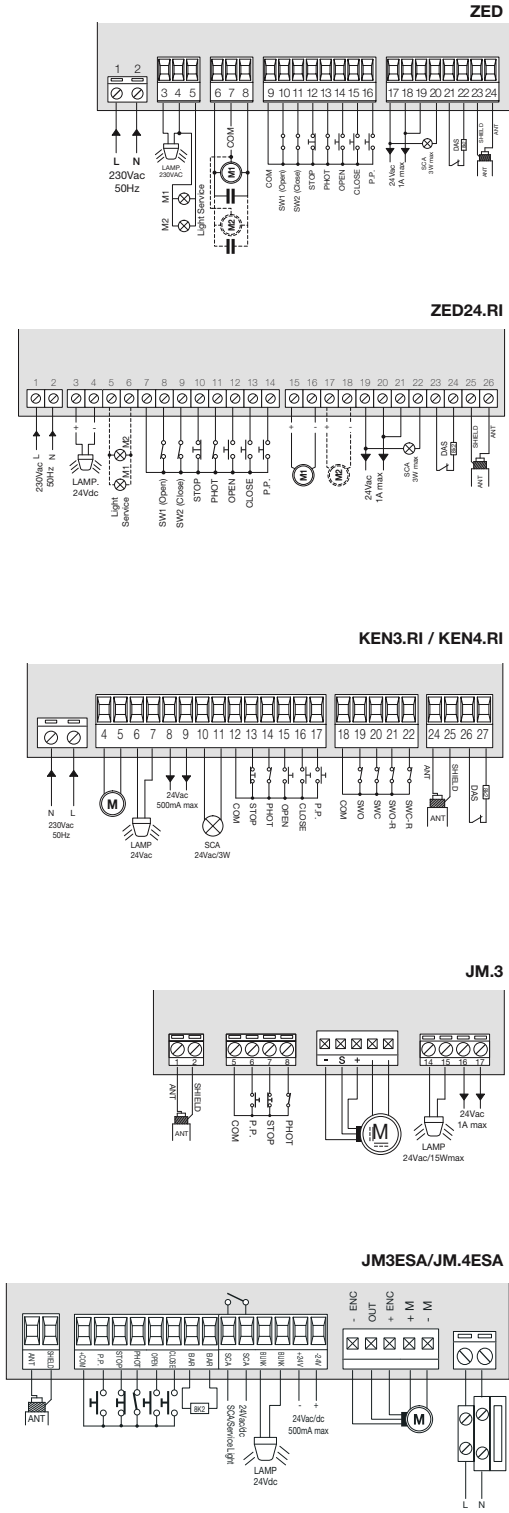


FUNCTIONS OF ON BOARD
PANELS SLIDING GATES

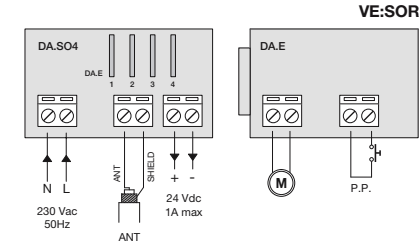
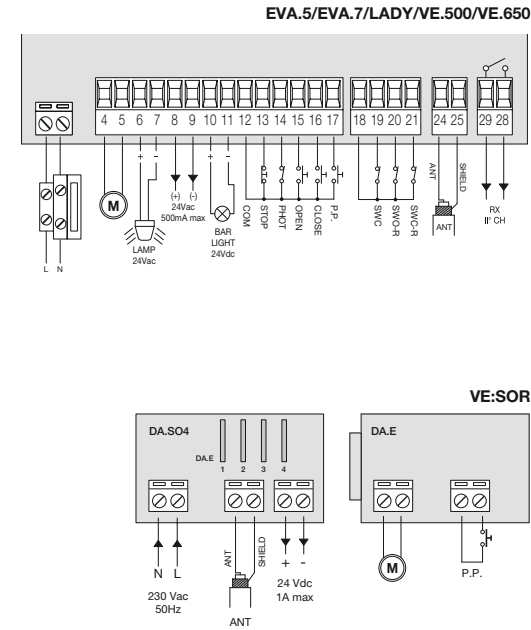
	BULL5M	BULL8M BULL8 OM	BULL10M BULL15M BULL20M	BULL424ESA BULL624ESA BULL1024ESA	BISON
Motors power supply 24Vdc				•	
Motors power supply 230Vac	•	•	•		•
Motors power supply 400Vac					•
INPUTS					
Step by step input	•	•	•	•	•
Open input			•	•	•
Close input			•	•	•
Pedestrian opening input		•	•	•	•
Photocell input	•				
Photocell input in opening phase		•	•	•	•
Photocell input in closing phase		•	•	•	•
Stop input	•	•	•	•	•
Conductive safety input		•	•	•	•
Limit switch input open/close for Motor 1	•	•			•
Limit switch input open/close for Motor 2					
OUTPUTS					
Motor 1 output	•	•	•	•	•
Motor 2 output					
Flashing Light output	•	•	•	•	•
12 Vac electric lock output					
Auxiliary output for optional electric-lock card					
Courtesy light output		•	•	•	•
Auxiliary output 24 Vac/dc	•	•	•	•	•
Gate open indicator	•	•	•	•	•
photocell power supply output with phototes		•	•	•	•
2nd radio channel output		•	•	•	•
OPERATING LOGICS					
“Dead man” function	•	•	•		•
Semi-automatic function	•	•	•	•	•
Automatic function	•	•	•	•	•
Multi-flat function	•	•	•	•	•
Step by Step function (open-close-open)	•	•	•	•	•
Timer function in opening	•	•	•	•	•
adjustable slowdown time		•	•	•	•
fixed slow down time	•				
Electronic brake		•	•		•
Pre-warning flashing light	•	•	•	•	•
Disable photocell in opening phase	•	•	•	•	
Close immediatly after photocell	•	•	•	•	
Maintening hydraulic motor pressure					
Opening delay motor 2					
Closing delay motor 1					
ADJUSTMENTS					
Electromechanical ajustement force					
Electronic ajustement force	•	•	•	•	•
Speed ajustement				•	•
Starting with maximum power	•	•	•	•	•
self ajustment of working parameters		•			•
Parameters ajustment through potentiometer	•				
Parameters ajustment through LCD display		•	•	•	•
OTHER CHARACTERISTICS					
Diagnostic LEDs	•				
433,92 MHz built-in receiver	•	•	•	•	•
Parameters ajustment 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				•	•



FUNCTIONS OF ON BOARD PANELS GARAGE DOORS	ZED,RI E ZED,RI E	ZED24,RI	KEN3/4,RI	JM,3	JIM3,ESA JIM4,ESA
Motors power supply 24Vdc		•	•	•	•
Motors power supply 230Vac	•				
Motors power supply 400Vac					
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	•				•
Mainteneng hydraulic motor pressure					
Opening delay motor 2					
Closing delay motor 1					
ADJUSTMENTS					
Electromechanical ajustement force					
Electronic ajustement force	•	•	•	•	•
Speed ajustement		•	•	•	•
Starting with maximum power	•				•
self ajustment of working parameters	•				•
Parameters ajustment through potentiometer		•	•	•	
Parameters ajustment through LCD display	•				•
OTHER CHARACTERISTICS					
Diagnostic LEDs		•	•	•	
433,92 MHz built-in receiver	•	•	•	•	•
Parameters ajustment 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	•				•



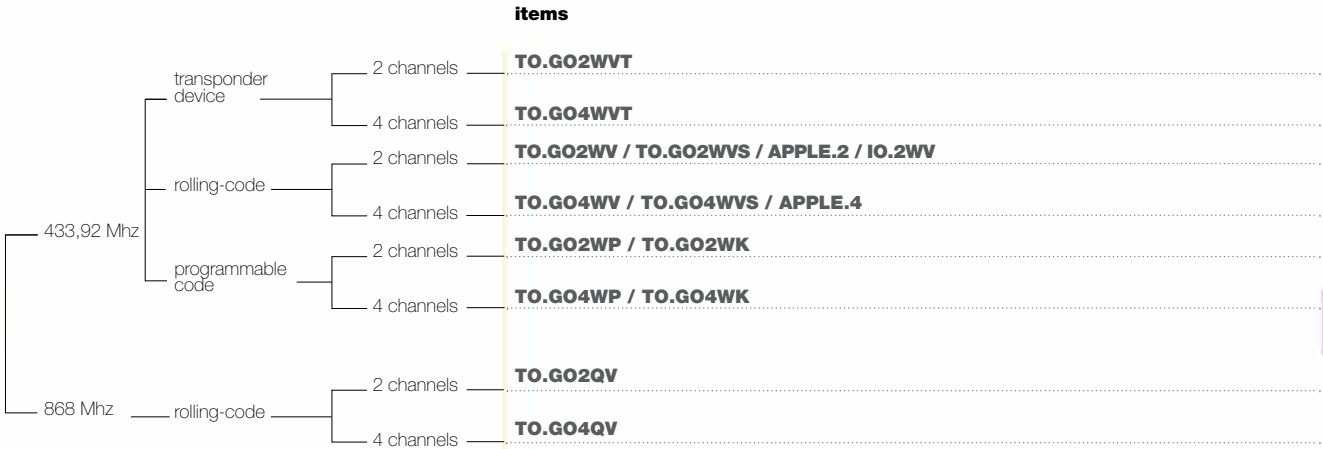
FUNCTIONS OF ON BOARD PANELS ROAD BARRIERS	EVA,5 EVA,7	LADY,I	VE,500/I VE,650/I
Motors power supply 24Vdc	•	•	•
Motors power supply 230Vac			
Motors power supply 400Vac			
INPUTS			
Step by step input	•	•	•
Open input	•	•	•
Close input	•	•	•
Pedestrian opening input			
Photocell input	•	•	•
Photocell 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	•	•	•
Mainteneng hydraulic motor pressure			
Opening delay motor 2			
Closing delay motor 1			
ADJUSTMENTS			
Electromechanical ajustement force			
Electronic ajustement force	•	•	•
Speed ajustement	•	•	•
Starting with maximum power			
self ajustment of working parameters			
Parameters ajustment through potentiometer	•	•	•
Parameters ajustment through LCD display			
OTHER CHARACTERISTICS			
Diagnostic LEDs	•	•	•
433,92 MHz built-in receiver			
Parameters ajustment 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			





REMOTE CONTROLS

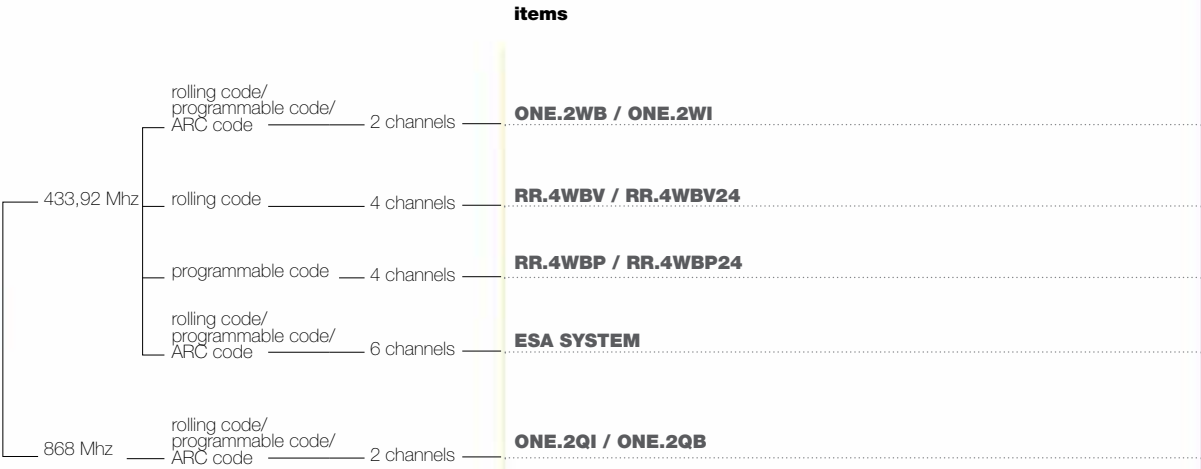
Transmitters



Programming and control systems

ADVANTAGE

Receivers



Command and control systems

CALL

TRANSMITTERS

433,92 Mhz / 868 Mhz rolling code
self learning code with transponder 433,92 Mhz
433,92 Mhz programmable code

TO.GO



- TO.GO is the new concept of an evolved remote control available in the rolling code version with programmable code and with integrated transponder
- With 2 or 4 channels, TO.GO in the black and white versions combines design and innovative lines in a remote control with multiple functions
 - Available also with sequential code for multiple code storage

TRANSMITTERS

433,92 Mhz rolling-code



TO.GO2WV/TO.GO2WVS
433,92 Mhz 2 channels rolling-code transmitter. Available in 10 pcs packing.
TO.GO2WVS: Sequential self-learning of the transmitters with Advantage system



TO.GO4WV/TO.GO4WVS
433,92 Mhz 4 channels rolling-code transmitter. Available in 10 pcs packing.
TO.GO4WVS: Sequential self-learning of the transmitters with Advantage system

868 Mhz rolling-code



TO.GO2QV
868 Mhz 2 channels rolling-code transmitter. Available in 10 pcs packing.



TO.GO4QV
868 Mhz 4 channels rolling-code transmitter. Available in 10 pcs packing.

433,92 MHz RECEIVERS AND ACCESSORIES



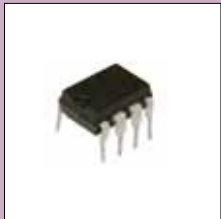
**ONE.2WB
ONE.2WI**
433,92 Mhz universal receiver, 2 box/plug in channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code(ARC). It picks up the coding after the first contact with the One transmitter.



**RR.4WBV
RR.4WBV24**
433,92Mhz 4-channels receiver rolling code. It is programmable through digital display. 230 Vac power supply mod. RR.4WBV and 24 Vac/dc mod.RR.4WBV24. Advantage system compatible. It works also by battery, 12Vdc with self-rechargeable circuit. Max. 4 relays output up to 5A



CALL
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. All characteristics on page 188



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

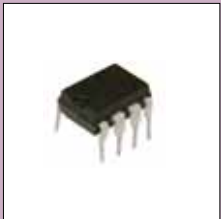


AW
433,92Mhz aerial with 5mts cable.

868 MHz RECEIVERS AND ACCESSORIES



**ONE.2QB
ONE.2QI**
868 Mhz universal receiver, 2 box/plug in channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code(ARC). It picks up the coding after the first contact with the One transmitter.



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



AQ
868 Mhz aerial with 5mts cable.



BT12
12 V Battery, for transmitter, available in 50 pcs packing

TRANSMITTERS

433,92 Mhz programmable code



TO.GO2WP
2 channels transmitters, dip-switches code.
Available in 10 pcs packing



TO.GO4WP
4 channels transmitters, dip-switches code.
Available in 10 pcs packing



TO.GO2WK
2 channels self-learning code transmitter.
Available in 10 pcs packing



TO.GO4WK
4 channels self-learning code transmitter.
Available in 10 pcs packing

RECEIVERS AND ACCESSORIES



ONE.2WB
433.92 Mhz universal receiver, 2 box channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code. It picks up the coding after the first contact with the One transmitter.



ONE.2WI
433.92 Mhz universal receiver, 2 plug in channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code. It picks up the coding after the first contact with the One transmitter.



**RR.4WBP
RR.4WBP24**
433,92Mhz 4-channels receiver with programmable codes. It is programmable through digital display. 230 Vac power supply mod.RR.4WBV and 24 Vac/dc mod.RR.4WBV24. It works also by battery,12Vdc with self-rechargeable circuit. Max. 4 relais output up to 5A



CALL
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. All characteristics on page 188



BT12
12 V Battery, for transmitter, available in 50 pcs packing



AW
433,92Mhz aerial with 5mts cable.

TRANSMITTERS

Surface mounting transmitter
433,92 Mhz Rolling code

APPLE



- 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 to control different automations or lamps
- Compatible with all the 433,92Mhz rolling code transmitters



TRANSMITTERS

433,92 Mhz rolling-code



APPLE.2

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



APPLE.4

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



RECEIVERS AND ACCESSORIES



ONE.2WB

433.92 Mhz universal receiver, 2 box channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code. It picks up the coding after the first contact with the One transmitter.



ONE.2WI

433.92 Mhz universal receiver, 2 plug in channels. Capable of managing three different types of coding: rolling code, programmable code and advanced rolling code. It picks up the coding after the first contact with the One transmitter.



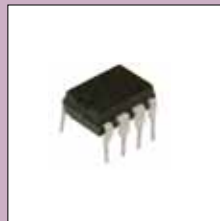
RR.4WBV RR.4WBV24

433,92Mhz 4-channels receiver rolling code. It is programmable through digital display. 230 Vac power supply mod. RR.4WBV and 24 Vac/dc mod.RR.4WBV24. Advantage system compatible. It works also by battery, 12Vdc with self-rechargeable circuit. Max. 4 relais output up to 5A



CALL

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. All characteristics on page 188



MEM2048

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



BT12

12 V Battery, for transmitter, available in 50 pcs packing



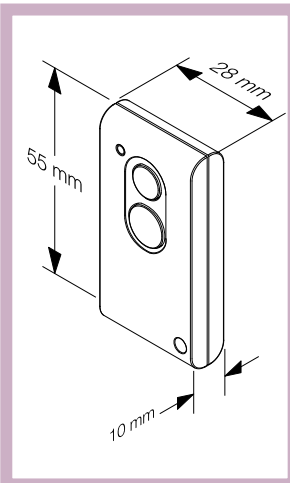
AW

433,92Mhz aerial with 5mts cable.

TRANSMITTERS

433,92 Mhz rolling-code

IO



- Two-channel rolling code transmitter, small dimensions
- **IO** is available in a standard 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

TRANSMITTERS

433,92 Mhz rolling-code



IO.GREY

Pack of 10 pieces of transmitters series IO.2WW, 433,92 Mhz
2 channels rolling-code transmitter



IO.COLOURS

Pack of 10 pieces of transmitters series IO & COLOURS.
Composed of two transmitters each colour



RECEIVERS AND ACCESSORIES



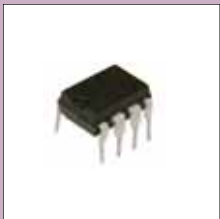
ONE.2WB

433.92 Mhz universal receiver,
2 box channels. Capable
of managing three different
types of coding: rolling code,
programmable code and
advanced rolling code. It
picks up the coding after the
first contact with the One
transmitter.



ONE.2WI

433.92 Mhz universal receiver,
2 plug in channels. Capable
of managing three different
types of coding: rolling code,
programmable code and
advanced rolling code. It
picks up the coding after the
first contact with the One
transmitter.



MEM2048

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



AW

433,92Mhz aerial with 5mts
cable.



BT.IO

Battery 3v.
Pack of 25 pieces.



COMMAND AND CONTROL SYSTEMS

Four-channel receivers



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



- Rolling code/programmable code four-channel receiver 433.92 Mhz
- Simple programming thanks to the integrated display
 - Control of 4 automations, alarm systems, external lights and garden irrigation systems
- The insulating relay outputs in fact allow the direct control of 230 Vac devices without resorting to additional relays
 - Monostable, bistable and timed logic selectable for each output channel
 - The input for buffer battery with 12 Vdc with integrated recharge control guarantees operation of the receiver even during a power cut
 - Possibility of cancelling a single rolling code transmitter already loaded

RR.4WBV/RR.4WBV24

- Possibility of serialised multiple activations (series TOGOWS etc.) and automatic storage of the channels for each transmitter and possibility of enabling/disabling transmitter synchronism
- Number of memorisable codes: 512 with standard memory, 2048 with model MEM2048
 - Possibility of configuration with the ADVANTAGE SYSTEM and its software

Versions available: RR.4WBV/P supply voltage 230 Vac,
RR.4WBV24/P24 supply voltage 24 Vdc

COMMAND AND CONTROL SYSTEMS

CALL



- 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 then 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

PROGRAMMING SYSTEM

ADVANTAGE



- Creates a personalized database for each individual receiver being managed, associating each transmitter recorded on the receiver with its owner's name and surname, notes, telephone number, address, etc
- Records all the transmitters in the programmer memory before going to the installation location and then download the file into the receiver and start-up the system
- Removes a transmitter that has been lost or stolen. In a traditional receiver the system memory would have to be completely erased and then the whole block of transmitters in the system would have to be recorded from scratch
- Temporarily disable certain specific transmitters in a plant
- Effortlessly manage transmitter button and receiver channel associations in multi-channel receiver and transmitter systems
- Protects the receiver with a personal access code to prevent counterfeits
- Quickly restores operation of an installation in the event of a fault or damage. It will be sufficient to reload the receiver file in the programmer to recreate a virtually identical copy of the damaged receiver
- Compatible with rolling code receivers and transmitters
- ADVANTAGE now permits connection to the control units for editing the parameters and operating logics and for controlling the transmitters.



PROGRAMMING SYSTEM: ADVANTAGE



Nuova installazione					
Impresa Contrattori F.lli		Indirizzo	Nome Tx		Dimensioni
		Puligone Industriale Nord	J28		2048
Rec. #	Codice	Task affile	Cognome/Nome	Nota	
1987	Z3AMF3	82-48.1	82-48.2	Vincenzo Antonio	
1988	Z3AMF4	82-48.1	82-48.2	Pierluigi Giovanni	
1989	Z3AMF5	82-48.1	82-48.2	Cassiano Giovanni	

Apri installazione					
Inst#	Nome Inst.	Indirizzo	Desc. tipo	Data	# TX
1	Generale Contrattori	Contrattori Via Delle Rose	Contrattori	30/05/2000 10:45:31	2048
2	Generale Contrattori	Contrattori Via Delle Rose	Contrattori 1	30/05/2000 10:45:32	2048
3	Generale Contrattori	Contrattori Via Delle Rose	Contrattori 2	30/05/2000 10:45:33	2048
4	Generale Contrattori	Contrattori Via Delle Rose	Contrattori 3	30/05/2000 10:45:34	2048
5	Generale Contrattori	Contrattori Via Delle Rose	Contrattori 4	30/05/2000 10:45:35	2048
6	Impresa Contrattori F.lli	Puligone Industriale Nord	Contrattori	30/05/2000 10:45:36	2048
7	Impresa Contrattori F.lli	Puligone Industriale Nord	Porte a Box 1	30/05/2000 10:45:37	2048
8	Impresa Contrattori F.lli	Puligone Industriale Nord	Porte a Box 2	30/05/2000 10:45:38	2048
9	Impresa Contrattori F.lli	Centro Industriale La Fontana	Contrattori	30/05/2000 10:45:39	2048
10	Impresa Contrattori F.lli	Centro Industriale La Fontana	Contrattori 1	30/05/2000 10:45:40	2048
11	Impresa Contrattori F.lli	Centro Industriale La Fontana	Contrattori 2	30/05/2000 10:45:41	2048
12	Impresa Contrattori F.lli	Centro Industriale La Fontana	Contrattori 3	30/05/2000 10:45:42	2048

OK

Elimina

Cancel

Numero	Codice Tx	82-48.1	82-48.2
2048	Z3AMF5A	82-48.1	82-48.2

OPERAZIONE IN GIK 11.2.2 - 04-1989

OPAZIONE RICHIESTA: 2048

The database of ADVANTAGE allows you to record all the information about different installations in an orderly way. The data management is easy and fast and it allows also the registration of data referred to every single end user

ADVANTAGE
Programmer



ACCESSORIES



CD
A CD-ROM with "Advantage" management software for PC with Windows operating system. Included in Advantage packing



USB
A USB port cable for communication between the programmer and the USB port of a PC. Included in Advantage packing



RS232
A RS232 serial port cable for communication between the programmer and the serial port of a PC. Included in Advantage packing



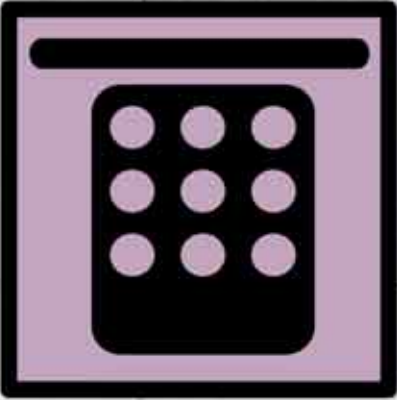
PRX
A PRX cable for connecting the programmer to compatible receivers. Included in Advantage packing



PTXATM
A PTXATM cable for connecting the programmer to "TO.GO" transmitters. Included in Advantage packing



**TO.GO2WVS
TO.GO4WVS**
2 or 4 channels rolling-code transmitter. Sequential self-learning of the transmitters with Advantage system. Packing:10 pcs



WARNING DEVICES AND SIGNALS

Signal and command

	items
Digital pads	BE TOUCH / BE.PLAY / PNO / PNC / IPB.NO / IPB.NC
Transponder devices	TEO SYSTEM
Key selectors	TO.KEY/E
	TO.KEY.I
	CH
	ID.SCM
Columns	COL10N
Flashing lights	LAMPI.LED / LAMPI24.LED

Detection and safety device

	items
Photocells & Accessories	PUPILLA.B
	PUPILLA
	PUPILLA.F
	FTC.S
	SC.P30QIS
	COL05N
Columns	COL12N
	COL.P
Safety devices	SC.RES / SC.RL / SC.A / SC.EN SC.90 / SC.L / SC.RF / RF.SUN / RF
	IGF
	SC.M71-72 / SC.R71-72 / SC.F15-20-25 / SC.R15 / SC.P35

SIGNAL AND COMMAND

TRANSPONDER 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)
 - Reading distance 2-5 cm
 - 2 programmable relay output channels
- Possibility of commanding 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

SIGNAL AND COMMAND



TEO
Transponder device key holder shaped
Packaging: 10 pcs



TEO CARD
Transponder device in card format

Transponder device



TO.GO2WVT
2 channels self-learning code transmitter with transponder.
Available in 10 pcs packing



TO.GO4WVT
4 channels self-learning code transmitter with transponder
Available in 10 pcs packing



BE.PROXY
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
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

SIGNAL AND COMMAND

Newly-designed BE-TOUCH wireless digital keypad



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 saved 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 signalling system and a buzzer for audio signalling
 - IP55 Protection level

SIGNAL AND COMMAND DIGITAL PAD



BE.TOUCH

Newly-designed BE-TOUCH wireless digital keypad



BE.PLAY

Backlighted digital pad, with buzzer and keys from 0 to 9



ACCESSORIES BE.PLAY



BE-REC

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

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

SIGNAL AND COMMAND KEY SELECTOR & COLUMNS



TOKEY TOKEY.E

TOKEY: Surface mounting key selector
TOKEY.E: Surface mounting key selector with European cylinder



TOKEY.I

Recess mounting key selector
IP 65 Water proof limit switch



ID.SCM

Magnetic key selector



COL.10N

Column for CH/PNO/FTC.S key selector with base SUP and KC adapter. H=1 m. It needs CH key selector



CH

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



PNO / PNC

PNO: Wall-pillar mounted keypad fitted with 2 contacts that are normally open
PNC: Wall-pillar mounted keypad fitted with a contact that is normally open and a contact normally closed

To be fitted on COL10N pillar

ACCESSORIES



CEM

Counterplate to be cemented for COL10N base



KE

Surfaced mounted box for CH key selector switch



KI

Flush mounted for CH key selector



ID.SK

Neutral key for ID.SC/ID.SCE/CH/TO.KEY



ID.MK

Magnetic key for ID.SCM. It comes already programmed for ID.SCM

SIGNAL AND COMMAND
PHOTOCELLS & COLUMNS



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



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

SIGNAL AND COMMAND
FLASHING LIGHTS



LAMPI.LED
230 Vac Led flashing light with built-in aerial



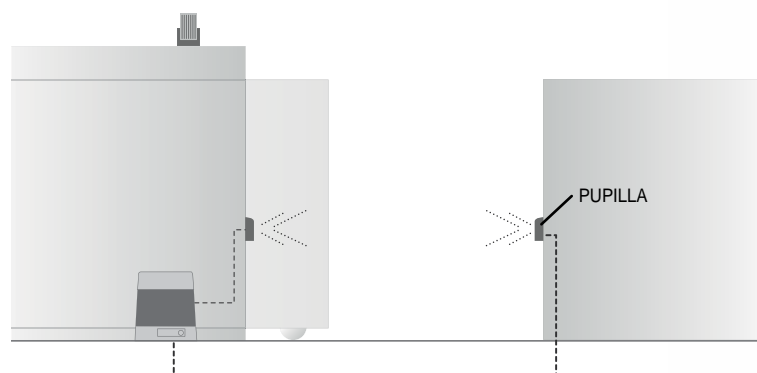
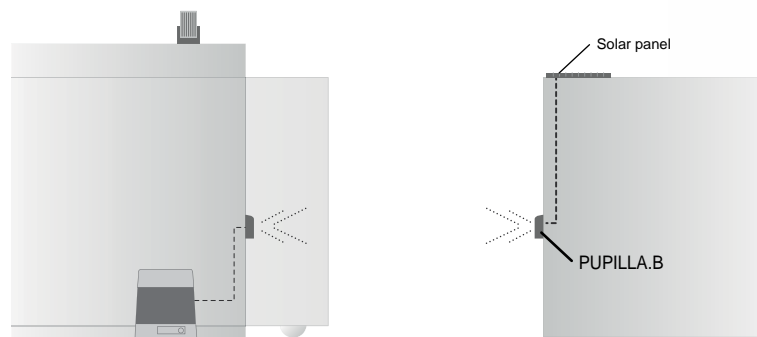
LAMPI24.LED
24 Vdc Led flashing light with built-in aerial

DETECTION AND SAFETY DEVICES

PHOTOCELLS & COLUMNS



In accordance with European regulations



PUPILLA.B



- The new Benincà photocell set with battery powered transmitter
- 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 for operation even in 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

DETECTION AND SAFETY DEVICES

PHOTOCELLS



PUPILLA.B

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



PUPILLA

24Vac/dc synchronize 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

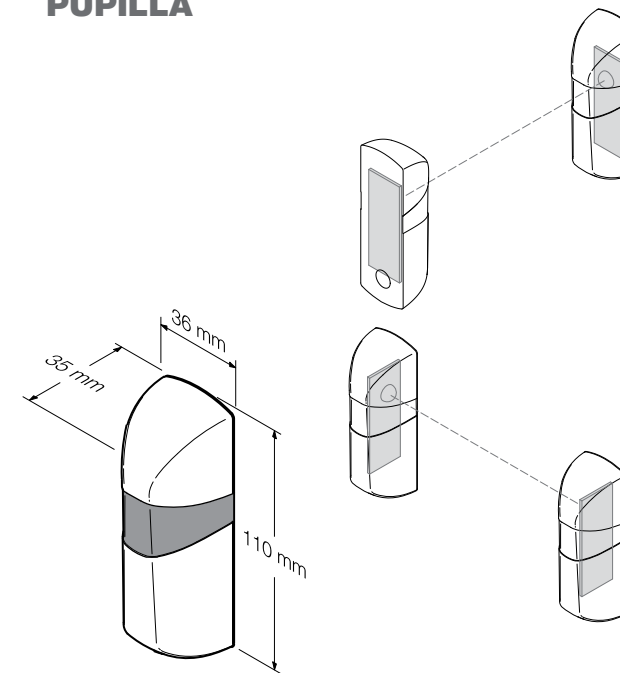
Pair of fixed photocells for external fitting. Compact dimensions 110 x 36 mm, height 31 mm. 24 Vdc power supply. A led makes the centring of the beam easy and fast



FTC.S

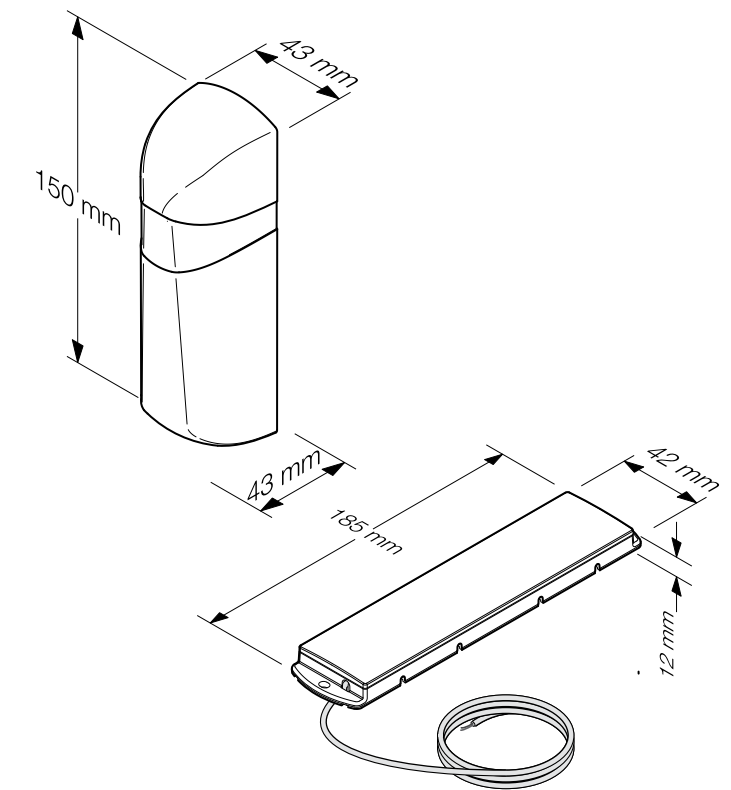
24Vac/dc synchronize surface mounting photocell. It is possible to synchronised up to 4 couple of photocells. They can be fitted also on aluminium columns.

PUPILLA



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

PUPILLA.B



ACCESSORIES



SC.PD

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



SF

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



SC.P30QIS

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

DETECTION AND SAFETY DEVICES

COLUMNS



COL05N

Column with base, preset for FTC.S photocell. H=0.5 m.
It needs 1 couple of FTC.S



COL12N

Column with base, preset for FTC.S photocell. H=1 m.
It needs 2 couples of FTC.S



SC.PEQ

Column in anodised aluminium with base, preset for SC.P30QIS photocell. H=0.5 m.



SC.PNQ

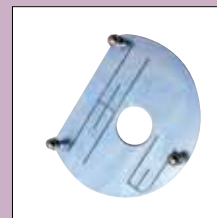
Column in anodised aluminium with base, preset for SC.P30QIS double photocell. H=1 m.



COL.P

Column in anodised aluminium with base, for the PUPILLA photocell

ACCESSORIES



CEM

Counterplate to be cemented for COL05N and COL12N columns.



SC.ST3

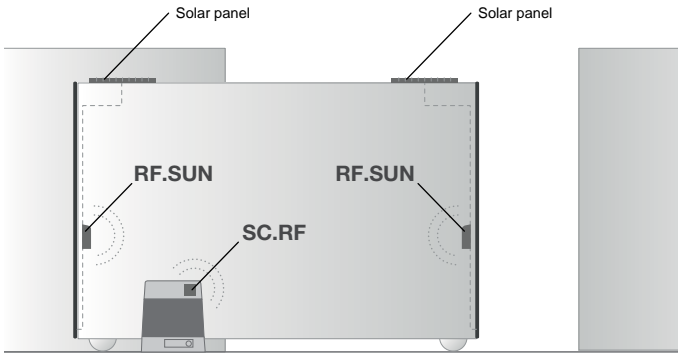
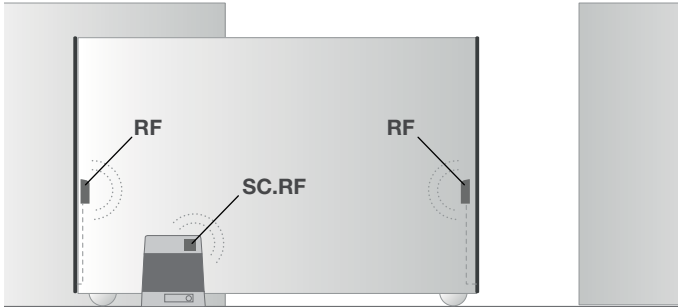
Galvanized counterplate to be cemented for SC.PEQ-SC.PNQ



DETECTION AND SAFETY DEVICES

SAFETY DEVICES

- New BENINCA radio frequency system composed of an 868 Mhz transmitter, model RF / RF.SUN and combined with the SC.RF receiver.
- It allows two-way communication via radio between the device installed on the mobile edge of the gate and supplied by a battery (connected to a safety sensitive edge) and the receiver installed on the electronic control unit.
- 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, with guaranteed duration 2 years.
- Both models have an input for the connection of an 8K2 sensitive edge or a mechanical rib, degree of protection IP 55.
- The SC.RF receiver, fed 12/24, is equipped with an autotest function and 2 relay outputs for connection to the electronic control units (possibility of associating up to 4 transmitters for each output channel).
- 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.



Conductive safety edge



SC.RES SC.RL

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



SC.A

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



SC.EN

Electronic interface card for 8k2 sensitive edges, to be used with electronic devices without input for resistive sensor, or in the case of connecting 2 resistive sensors to a control unit.
Conforms to standard EN12978



SC.90

Angular device set for SC.RES



SC.L

Linear device set for SC.RES

Mechanical safety edge



SC.M71 SC.M72

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



SC.R71 SC.R72

Rubber profile, 70 mm high, for SC.M71. 1,5 m long Rubber profile, 70 mm high, for SC.M72. 2 m long



SC.F15 SC.F20 SC.F25

Mechanical safety edge, 1.5 m long
Mechanical safety edge, 2 m long
Mechanical safety edge, 2.5 m long



SC.R15

Rubber profile, 15mm high, for SC.M72/7.
Packing: 25 m



SC.P35

Pneumatic safety edge with plugs and aluminium profile.
Packing: 40m

Pneumatic safety edge



RF.SUN

Battery-operated device recharged by means of a photovoltaic panel applied on a mobile edge.
Amorphous silicon photovoltaic panel to guarantee max autonomy of the device



RF

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



SC.RF

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

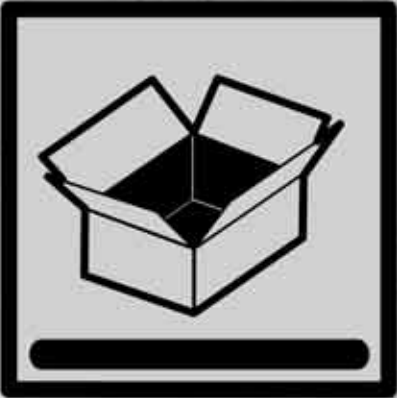
Instruments for the measuring of the impact-generated forces



IGF

Instruments for the measuring of the impact-generated forces



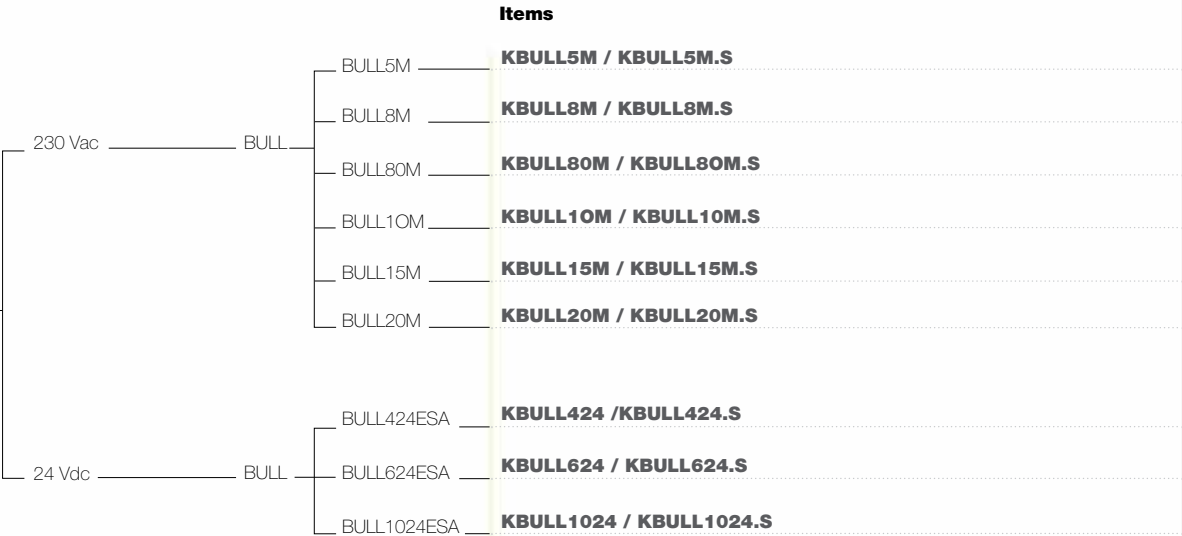


COMPLETE
SETS

SETS FOR
SWINGING GATES



SETS FOR
SLIDING GATES



Linear Worm Screws / up to 2,1 m



KBOB21M

- 2 BOB21M 230 Vac Operators
- 1 HEADY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBOB21ME

- 2 BOB21ME 230 Vac Operators equipped with encoder device
- 1 BRAINY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Linear Worm Screws / up to 5 m



KBOB50M

- 2 BOB50M 230 Vac Operators
- 1 HEADY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBOB50ME

- 2 BOB50ME 230 Vac Operators equipped with encoder device
- 1 BRAINY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Linear Worm Screws / up to 3 m



KBOB30M

- 2 BOB30M 230 Vac Operators
- 1 HEADY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBOB30ME

- 2 BOB30ME 230 Vac Operators equipped with encoder device
- 1 BRAINY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Linear Telescopic Operator / up to 5 m



KBILL30M

- 2 BILL30M 230 Vac Operators
- 1 HEADY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBILL50M

- 2 BILL50M 230 Vac Operators
- 1 HEADY Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBILL40M

- 2 BILL40M Motoriduttori 230 Vac
- 1 HEADY Centrale 230 Vac con ricevitore
- 1 PUPILLA.F Coppia di fotocellule
- 1 LAMPI.LED Lampeggiante 230 Vac a led con antenna integrata

- 1 TO.KEY Selettore a chiave
- 2 TO.GO2WW Trasmettitori 2 canali 433,92 Mhz
- 1 ID.TA Tabella segnaletica

230 Vac

Articulated Arm / up to 3 m



- KPR**
- 2 PR.45E 230 Vac Operators
 - 2 DU.E2 Articulated arms
 - 1 HEADY 230 Vac Control unit with built in receiver
 - 1 PUPILLA.F Pair of photocells
 - 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
 - 1 TOKEY Key selector
 - 2 TO.GO2WW 433,92 Mhz Transmitters
 - 1 ID.TA Warning board

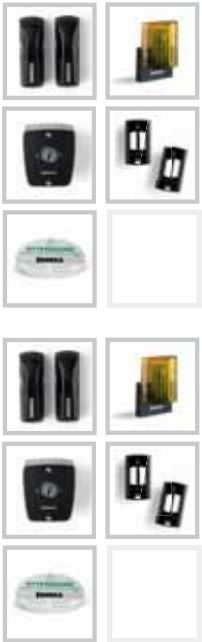
For Sliding Gates / Residential Use / up to 800 kg



- KBULL8M**
- 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 Key selector
 - 2 TO.GO2WW 433,92 Mhz Transmitters
 - 1 ID.TA Warning board

- KBULL8M.S**
- 1 BULL8M.S 230 Vac Operator with control unit and built-in receiver. Magnetic limit switches included
 - 1 PUPILLA.F Pair of photocells
 - 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
 - 1 TOKEY Key selector
 - 2 TO.GO2WW 433,92 Mhz Transmitters
 - 1 ID.TA Warning board

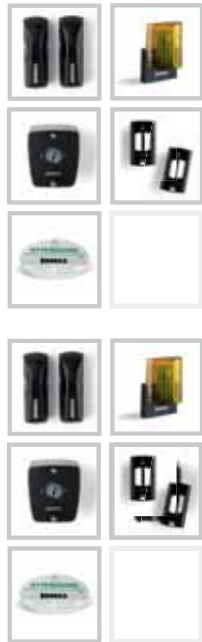
For Sliding Gates / Residential Use / up to 500 kg



- KBULL5M**
- 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 Key selector
 - 2 TO.GO2WW 433,92 Mhz Transmitters
 - 1 ID.TA Warning board

- KBULL5M.S**
- 1 BULL5M.S 230 Vac Operator with control unit and built-in receiver. Magnetic limit switches included
 - 1 PUPILLA.F Pair of photocells
 - 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
 - 1 TOKEY Key selector
 - 2 TO.GO2WW 433,92 Mhz Transmitters
 - 1 ID.TA Warning board

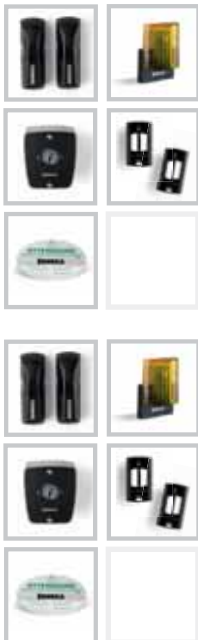
For Sliding Gates / Commercial Use / up to 800 kg



- KBULL80M**
- 1 BULL80M 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 Key selector
 - 2 TO.GO2WW 433,92 Mhz Transmitters
 - 1 ID.TA Warning board

- KBULL80M.S**
- 1 BULL80M.S 230 Vac Operator with control unit and built-in receiver. Magnetic limit switches included
 - 1 PUPILLA.F Pair of photocells
 - 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
 - 1 TOKEY Key selector
 - 2 TO.GO2WW 433,92 Mhz Transmitters
 - 1 ID.TA Warning board

For Sliding Gates / Commercial Use / up to 1000 kg



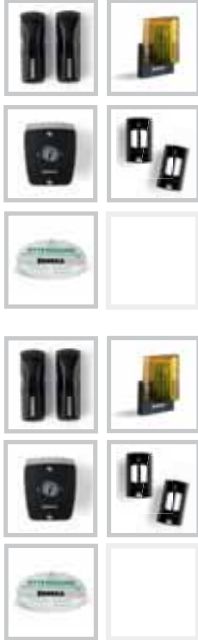
KBULL10M

- 1 BULL10M 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBULL10M.S

- 1 BULL10M.S 230 Vac Operator with control unit and built-in receiver. Magnetic limit switches included
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

For Sliding Gates / Industrial Use / up to 2000 kg



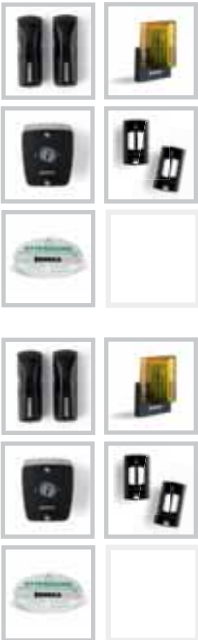
KBULL20M

- 1 BULL20M 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBULL20M.S

- 1 BULL20M.S 230 Vac Operator with control unit and built-in receiver. Magnetic limit switches included
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

For Sliding Gates / Commercial Use / up to 1500 kg



KBULL15M

- 1 BULL15M 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBULL15M.S

- 1 BULL15M.S 230 Vac Operator with control unit and built-in receiver. Magnetic limit switches included
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI.LED 230 Vac Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Linear Worm Screws / up to 2,1 m



KBOB2124

- 2 BOB2124 24 Vdc Operators
- 1 HEADY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board



KBOB2124E

- 2 BOB2124E 24 Vdc Operators equipped with encoder device
- 1 HEADY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Linear Worm Screws / up to 3 m



KBOB3024

- 2 BOB3024 24 Vdc Operators
- 1 BRAINY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board



KBOB3024E

- 2 BOB3024E 24 Vdc Operators equipped with encoder device
- 1 BRAINY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Linear Worm Screws / up to 5 m



KBOB5024

- 2 BOB5024 24 Vdc Operators
- 1 BRAINY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board



KBOB5024E

- 2 BOB5024E 24 Vdc Operators equipped with encoder device
- 1 BRAINY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Linear Telescopic Operator / up to 5 m



KBILL3024

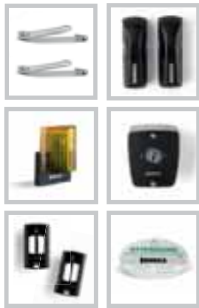
- 2 BILL3024 24 Vdc Operators
- 1 HEADY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board



KBILL5024

- 2 BILL5024 24 Vdc Operators
- 1 BRAINY24 24 Vdc Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Articulated Arm / up to 1,8 m



KBN24

- 1 BN.E24 24 Vdc Operator with control unit and receiver
- 1 BN.24 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Articulated Arm / up to 3 m



KPR.24

- 2 PR.45E24 24 Vdc Operator with control unit and receiver
- 2 DU.E2 Articulated arms
- 1 BRAINY24 24 Vdc control panel
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

Articulated Arm / up to 2,5 m



KMB24

- 1 MBE24 24 Vdc Operator with control unit and receiver
- 1 MB24 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

For Sliding Gates / Residential Use / up to 400 kg



KBULL424

- 1 BULL424ESA 24 Vdc Operator with control unit 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBULL424.S

- 1 BULL424ESA.S 24 Vdc Operator with control unit and built-in receiver. ESA SYSTEM technology and magnetic limit switches included
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

For Sliding Gates / Commercial Use / up to 1000 kg



KBULL1024

- 1 BULL1024ESA 24 Vdc Operator with control unit 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBULL1024.S

- 1 BULL1024ESA.S 24 Vdc Operator with control unit and built-in receiver. ESA SYSTEM technology and magnetic limit switches included
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

For Sliding Gates / Residential Use / up to 600 kg



KBULL624

- 1 BULL624ESA 24 Vdc Operator with control unit 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 Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

KBULL624.S

- 1 BULL624ESA.S 24 Vdc Operator with control unit and built-in receiver. ESA SYSTEM technology and magnetic limit switches included
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI24.LED 24 Vdc Led flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 TO.GO2WW 433,92 Mhz Transmitters
- 1 ID.TA Warning board

COMPLETE SETS

Code	Item	Page n.
9655001	ADVANTAGE	190
9863052	APPLE.2	178
9863053	APPLE4	178
9076001	AQ	175
9623003	AU.125	88
9623002	AU.20	88
9117010	AU.45B	89
9868030	AU.45Z	88
9868040	AU.45ZL	88
9623004	AU.65	88
9590005	AU.96	234
9590006	AU.96C	234
9590007	AU.96LC	234
9099021	AU.C25	93
9747020	AU.E	234
9558020	AU.MS25	97
9558036	AU.MS60	97
9558030	AU.MS96	234
9747030	AU.SE	234
9868015	AU2.45T	88
9099057	AU2.C	89
9099058	AU2.D	89
9099059	AU2.D45	89
9099055	AU2.D45L	88
9099056	AU2.DNS	89
9076058	AW	174
9819005	B.P	28
9819310	B.SR	20
9099053	BA	36
9670001	BE TOUCH	200
9670013	BE.PLAY	202
9614250	BE.PROXY	198
9673010	BE.READ	198
9673028	BE.REC	202
9253001	BILL30.CO	32
9591439 - 9591440	BILL3024 dx/sx	30
9591435 - 9591436	BILL30M dx/sx	30
9253002	BILL50.CO	32
9591495 -9591496	BILL5024 dx/sx	30
9591441-9591442	BILL50M dx/sx	30
9591448	BISON20.OM	76
9591449	BISON25OTI	76
9591544	BISON30OT	80
9591454	BISON40OTI	80
9760073	BN.24V	36
9099002	BN.BS	36
9760072	BN.CB	36
9591474	BN.PD	37
9090019	BN.SE	36
9765040	BOB.CS	20
9819004	BOB.SL	20
9591283	BOB2124	18
9591351	BOB2124E	18
9591534	BOB21M	18

Code	Item	Page n.
9591445	BOB21ME	18
9591536	BOB3024	22
9591447	BOB3024E	22
9591535	BOB30M	22
9591446	BOB30ME	22
9591327	BOB5024	26
9591328	BOB5024E	26
9591022	BOB50M	26
9591023	BOB50ME	26
9176213	BRAINY	152
9176224	BRAINY24	162
9760014	BRAINY24.CB	165
9099052	BS	40
9086001	BT.IO	184
9086010	BT12	175
9623005	BULL.PI	70
9760036	BULL1024.CB	71
9591456	BULL1024ESA	68
9591481	BULL1024ESA.S	68
9590575	BULL10M	68
9591016	BULL10M.S	68
9590576	BULL15M	68
9591017	BULL15M.S	68
9590577	BULL20M	72
9591018	BULL20M.S	72
9590578	BULL20T	72
9591412	BULL20T.S	72
9760018	BULL24.CBH	59
9760022	BULL24.CBY	59
9591433	BULL424 ESA	56
9591460	BULL424 ESA.S	56
9591434	BULL5M	56
9591461	BULL5M.S	56
9591480	BULL624 ESA.S	60
9591465	BULL624ESA	60
9591522	BULL8M	60
9591524	BULL8M.S	60
9591523	BULL80M	64
9591497	BULL80M.S	64
9673164	CALL	188
9760016	CBY.24V	165
9176118	CELL.P	152
9623565	CEM	212
9764012	CH	205
9230002	COL 05N	212
9230004	COL 10N	204
9230003	COL 12N	212
9230006	COL.P	212
9176119	CORE	155
9176015	CP.13	235
9176062	CP.13S	235
9760100	DA.2S	165
9086004	DA.BT18	148
F8086010	DA.BT2	165

Code	Item	Page n.
F8086020	DA.BT6	165
9760035	DA.E	165
9230031	DA.LB	165
9760042	DA.RB	165
9176005	DA.SO4	163
9150043	DU. IT CF	48
9590561	DU.1NA	232
9590100-9590107	DU.30	232
9590104-9590109	DU.30V	232
9590143	DU.35	232
9150021	DU.350CF	52
9567001	DU.350FC	52
9590695	DU.350N	50
9590753	DU.350NV	50
9747084	DU.350ST	53
9590144	DU.3524	232
9590149	DU.3524L	232
9591057	DU.352FC	232
9591038	DU.35L	232
9591045	DU.35L2FC	232
9591046	DU.35V	232
9590118-9590122	DU.50	232
9590120-9590124	DU.50V	232
9623010	DU.9990	21
9099011	DU.E2	44
9567015	DU.FCN	48
9150039	DU.IT IX	48
9590162	DU.IT14N	46
9591278	DU.IT14NV	46
9591457	DU.IT24NVE	46
9747083	DU.ITST	48
9765030	DU.V90	20
9765035	DU.V96	20
9765001	E.LOCK	21
9765002	E.LOCKSE	21
9176108	ESA BASIC	144
9083016	EVA.5	116
9083018	EVA.7	120
9078025	EVA.AF	118
9549030	EVA.CAT5	119
9549031	EVA.CAT7	123
9576001	EVA.KM	123
9534002	EVA.L	119
9534003	EVA.LAMP	118
9819035	EVA.SUP	119
9081005	EVA5.A	118
9424002	EVA5.G	119
9081006	EVA7.A	122
9424003	EVA7.G	123
9409089	FTC.S	210
9252014	HB	165
9176217	HEADY	153
9176219	HEADY24	162
9534070	ID.LUX	235

Code	Item	Page n.
9534081	ID.LUX 24C	235
9189010	ID.MK	205
9764030	ID.SCM	204
F8189060	ID.SK	205
9846010	ID.TA	21
9840001-9840002	IGF	215
9863150	IO.COLOURS	182
9863155	IO.GREY	182
9670050	IPB.NC	206
9670051	IPB.NO	206
9747065	JK.UL	92
9590683	JM.3	90
9591458	JM.3ESA	90
9591368	JM.4ESA	90
9760023	JM.CBY	92
9670035	JM.PP	92
9591064	KB.35	232
9590708	KB.3524	232
9591477	KBILL3024	224
9591476	KBILL30M	219
9591509	KBILL5024	225
9591478	KBILL50M	219
9590971	KBN24	226
9591539	KBOB2124	224
9591467	KBOB2124E	224
9591537	KBOB21M	218
9591466	KBOB21ME	218
9591499	KBOB3024	224
9591469	KBOB3024E	224
9591540	KBOB30M	218
9591468	KBOB30ME	218
9591471	KBOB5024	225
9591472	KBOB5024E	225
9591363	KBOB50M	219
9591470	KBOB50ME	219
9591473	KBULL1024	229
9591504	KBULL1024.S	229
9590689	KBULL10M	222
9591503	KBULL10M.S	222
9590690	KBULL15M	222
9591506	KBULL15M.S	222
9591507	KBULL20M	223
9591508	KBULL20M.S	223
9591482	KBULL424	228
9591459	KBULL424.S	228
9591483	KBULL5M	222
9591462	KBULL5M.S	222
9591484	KBULL624	228
9591463	KBULL624.S	228/
9591543	KBULL80M	221
9591542	KBULL8M	221
9591464	KBULL8M.S	221
9591502	KBULL80M.S	221
9005015	KC-BEPLAY	202

Code	Item	Page n.
9252005	KE	205
9590550	KEN3.RI	94
9590552	KEN4.RI	94
9176073	KER	154
9252008	KI	205
9590625	KMB24	226
9855001-9855002	KPO/KPC	165
9590713	KPR	220
9590785	KPR.24	227
9590285	KS4	233
9590702	KS424	233
9611002	KSUN	146
9083055	LADY	124
9424001	LADY GT	127
9081001	LADY.A	126
9230001	LADY.COL	127
9534001	LADY.L	127
9081002	LADY.P	126
9780001	LADY.SN	127
9083057	LADY-I	124
9534098	LAMPI.LED	207
9534099	LAMPI24.LED	207
9252001	LB	165
9176111	LOGICA	153
9176027	LOGICA24.RI	163
9760021	MAG.E	58
9176037	MATRIX	154
9623050	MB.CP2	40
9090012	MB.SE	40
9590330	MB24	38
9590613	MBE24	38
9570001	MEM2048	174
9590557	MS424	233
9590916	MS4-RI	233
9086006	NIMH	165
9760017	NIMH.CB	165
9673112	ONE.2QB	175
9673111	ONE.2QI	175
9673103	ONE.2WB	174
9673102	ONE.2WI	174
9667083	PE	96
9670014	PNC	205
9670012	PNO	205
9590684	PR.45E	42
9590686	PR.45E24	42
9590685	PR.45EL	42
9590687	PR.45ER	42
9590354	PS.13TC 30	235
9590351	PS.13TC 40	235
9004009	PS.AL30	235
9004010	PS.AL40	235
9830035	PS.ME	235
9613004	PS.P1	235
9613005	PS.P2	235

Code	Item	Page n.
9396001	PS.R013	235
9396002	PS.R015	235
9396003	PS.R016	235
9396004	PS.R017	235
9396005	PS.R019	235
9667090	PTC3	92
9667091	PTC4	92
9667093	PTCI.3	92
9667094	PTCI.4	92
9667092	PTCL.4	92
9667095	PTCS.3	93
9667097	PTCSL.3	93
9667096	PTCSL.4	93
9667098	PTCSXL.4	93
9667082	PTE	96
9667081	PTL	96
9667085	PTN	96
9409001	PUPILLA	210
9409006	PUPILLA.B	210
9409007	PUPILLA.F	210
9409016	RF	214
9409015	RF SUN	214
9590068	RI.15M	234
9590070	RI.15T	234
9590562	RI.1NA	233
9590071	RI.20T	234
9590054	RI.6E	233
9272010	RI.M4F	58
9272020	RI.M4P	58
9272030	RI.M4Z	58
9272040	RI.M6Z	70
9630001	RI.P6	70
9673159	RR.4WBP	186
9673161	RR.4WBP24	186
9673158	RR.4WBV	186
9673160	RR.4WBV24	186
9252003	SB	165
9747095	SB.180.K	52
9747096	SB.180.L	52
9747097	SB.DU180.K	48
9747098	SB.DU180.L	48
9747102	SB.DU350.K	52
9747100	SB.DU350.L	52
9747101	SB.DUIT.K	48
9747099	SB.DUIT.L	48
9520005	SC.90	215
9667010	SC.A	215
9760026	SC.EN	215
9270070	SC.F15	215
9270071	SC.F20	215
9270072	SC.F25	215
9520010	SC.L	215
9270040	SC.M71	215
9270050	SC.M72	215

Code	Item	Page n.
9409002	SC.P30 QIS	211
9230011	SC.PEQ	213
9230025	SC.PNQ	213
9270010	SC.P35	215
9252010	SC.PD	211
9667062	SC.R71	215
9667063	SC.R72	215
T8667063	SC.R15	215
9270060	SC.RES	215
9409014	SC.RF	214
9270061	SC.RL	215
9819015	SC.ST3	212
9830009	SF	211
9176968	START	160
9176183	START.I	160
9176310	SUN.SY	148
9611021	SUN.PANEL	148
9614255	TEO	196
9781025	TEO CARD	198
9176024	THINK	158
9176033	THINK.I	158
9176031	THINK.P	158
9863166	TO.GO 4WVS	174
9863106	TO.GO2QV	175
9863167	TO.GO2WK	177
9863067	TO.GO2WP	176
9863065	TO.GO2WV	174
9863165	TO.GO2WVS	174
9863092	TO.GO2WVT	199
9863107	TO.GO4QV	175
9863168	TO.GO4WK	177
9863068	TO.GO4WP	176
9863066	TO.GO4WV	174
9863093	TO.GO4WVT	199
9764001	TOKEY	204
9764002	TOKEY.E	204
9764005	TOKEY.I	204
9083010	VE.500	128
9083035	VE.500 I	128
9081023	VE.500S	130
9083020	VE.650	132
9081030	VE.650 A	134
9083040	VE.650 I	132
9078010	VE.AF	118
9078015	VE.AFI	131
9078020	VE.AM	126
9081024	VE.C500	130
9081026	VE.C650	134
9549020	VE.CAT500	126
9549010	VE.CAT650	134
9760050	VE.CS	119
9424035	VE.GT24	134
9424037	VE.GT24 S	130
9424005	VE.GT70	130

Code	Item	Page n.
9424006	VE.GT90	134
9576040	VE.KM 24	131
9614267	VE.KM1HN	119
9614268	VE.KM2HN	119
9576190	VE.KMB	131
9576210	VE.KMG	131
9576220	VE.KMN	131
9534050	VE.L500	130
9534060	VE.L650	134
9672010	VE.RAST	118
9270001	VE.RP	130
9780033	VE.SN500	130
9082040	VE.SOM	138
9082030	VE.SOR	138
9864010	VE.TERM	118
9766001	VE.TL	118
9590247	VN.45E	110
9590248	VN.45E24	110
9004005	VN.A30	104
9004004	VN.A3175	104
9004006	VN.A40	104
9099038-9099037	VN.C45D/S	112
9162010	VN.CT	108
9162011	VN.CTA	104
9099039	VN.D45	112
9424010	VN.GT	108
9590235	VN.M20	100
9590237	VN.M40	100
9558010	VN.MS	112
9590236	VN.MT20	100
9590238	VN.MT40	102
9590377	VN.MT40V	102
9520015	VN.RM	105
9520016	VN.RV	105
9819020	VN.S	108
9590240	VN.S20	98
9590242	VN.S40	98
9590239	VN.S40V	98
9590241	VN.ST20	98
9590243	VN.ST40	98
9857016	VN.T	108
9590720	ZED.24 RI	86
9590522	ZED.24SC	86
9747021	ZED.E	88
9590525	ZED.LSC	86
9558001	ZED.MS	88
9591235	ZED.RIE	86
9590512	ZED.SC	86
9747031	ZED.SE	88
9591234	ZEDL.RIE	86

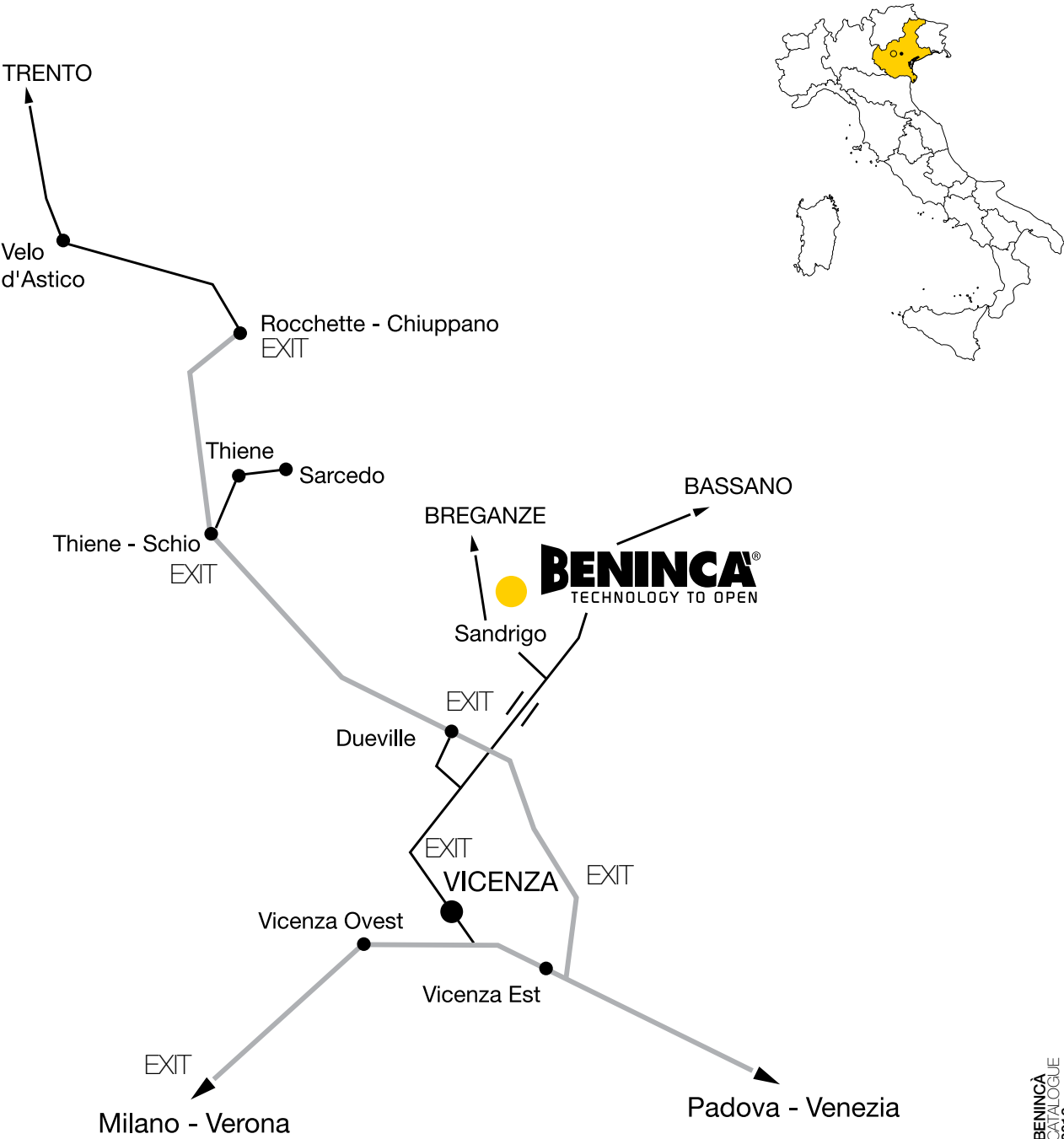
NOTES

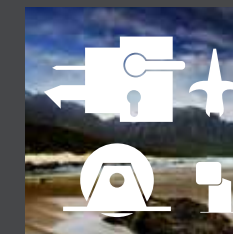
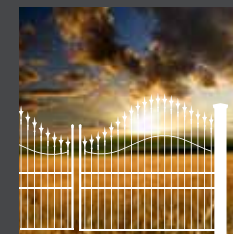
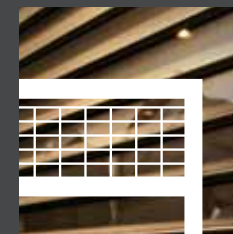
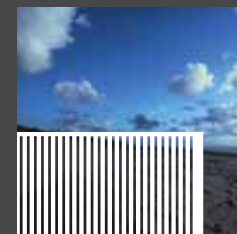
GENERAL TERMS OF SALE

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 BENINCA' 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 BENINCA' 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 BENINCA': the joint stock company Automatismi Benincà S.p.A., in the person of its legal representative pro tempore, with head office in Italy, Sandrigo, Via Capitello no. 45, VAT number 02054090242.
 - CUSTOMER: any subject (natural or legal person) who purchases the Products and who is not covered by the definition of Consumer according to the Consumer Code.
 - DATE OF DESPATCH: the date of the transport document.
 - PARTIES: means AUTOMATISMI BENINCA' S.p.A. and the Customer.
 - PRODUCTS: are the Products listed in the catalogue of AUTOMATISMI BENINCA', 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 BENINCA' 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 BENINCA' 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 BENINCA' SpA– SANDRIGO (VI), as the term is defined in the Incoterms of the International Chamber of Commerce, in the most updated version. The parties may choose a different term, with an agreement in writing; whatever term they choose, it will be interpreted according to the latest version of INCOTERMS®. The goods travel at the Customer's own risk, even if sent carriage paid. No complaints are accepted five days after receipt of the goods, even with reference to any difference in the products with respect to the type and quantity indicated in the order. A complaint within the term may not give rise to cancellation or reduction of the order by the Customer, nor to any payment of compensation of any kind by AUTOMATISMI BENINCA' SpAAny return of goods for credit must be authorised beforehand by AUTOMATISMI BENINCA' SpAand the goods must be sent carriage paid.
- 3) RETENTION OF OWNERSHIP: The products shall remain the property of AUTOMATISMI BENINCA' SpA until the date on which AUTOMATISMI BENINCA' 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 BENINCA' SpA have been incorporated, in which case all the proceeds are to be transferred to AUTOMATISMI BENINCA' SpA , up to the amount of the price owed by the Customer for the supply of the products. AUTOMATISMI BENINCA' 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 BENINCA' SpA (as regards both these Products and any other goods or services supplied to the Customer by AUTOMATISMI BENINCA' SpA). If AUTOMATISMI BENINCA' SpA exerts the right contemplated in the previous paragraph, the Customer must place the products at the disposal of AUTOMATISMI BENINCA' 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 BENINCA' SpA without any commitment and subordinate to the possibility of supply of the raw materials necessary for production. Any total or partial non fulfilments cannot give rise to complaints and reserves for damages. If the Customer cancels specific orders for the production of Products not in the catalogue, he is required to pay AUTOMATISMI BENINCA' SpA compensation amounting to 30% (thirty per cent) of the cancelled order, without prejudice to the right to claim further damages. The orders regularly accepted by AUTOMATISMI BENINCA' SpA cannot be cancelled by the Customer without the consent of AUTOMATISMI BENINCA' SpA in writing.
- 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 BENINCA' SpA factory and justify delay or interruption of the fulfilment of contracts, relieving AUTOMATISMI BENINCA' 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 BENINCA' SpA. If the Parties agree on payment by irrevocable documentary letter of credit, the same will be accepted by AUTOMATISMI BENINCA' 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 BENINCA'. After the set payment time, AUTOMATISMI BENINCA' 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 BENINCA' 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 BENINCA' 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 BENINCA' 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 BENINCA' SpA , respecting the terms of this guarantee and of the legal requirements. Any defects found must be promptly communicated to AUTOMATISMI BENINCA' 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 BENINCA' 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 BENINCA' 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 BENINCA' SpA shall not answer for more than the limit of liability of the Product Risk Insurance policy taken out by the company. AUTOMATISMI BENINCA' 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 BENINCA' 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 BENINCA' SpA. The Customer recognises the ownership of these rights by AUTOMATISMI BENINCA' SpA and undertakes to use them only according to the specific indications of AUTOMATISMI BENINCA' 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 BENINCA' 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 BENINCA' 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 BENINCA' 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 BENINCA' 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 BENINCA' SpA and the Customer, the exclusive competent court shall be the Court of Vicenza, without affecting the faculty of AUTOMATISMI BENINCA' 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.





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. For BENINCÀ the 30th anniversary also coincides with an important stage, the formation of a group recognised at international level which becomes an indispensable partner in the automation sector, able to offer technological solutions for the safety of residential and industrial environments. 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.



BENINCÀ HOLDING SpA
via del Capitello, 43
36066 Sandrigo (VI) Italy
tel. +39 0444 751030
fax +39 0444 759728



AUTOMATISMI BENINCÀ SpA
via del Capitello, 45
36066 Sandrigo (VI) Italy
tel. +39 0444 751030
fax +39 0444 759728
<http://www.beninca.com>
e.mail: sales@beninca.it



AUTOMATISMI CAB Srl
via della Tecnica, 10 (Z.I.)
36010 Velo D'Astico (VI) Italy
tel. +39 0445 741215
fax +39 0445 742094
<http://www.automatismicab.com>
e.mail: info@automatismicab.it



BYOU Srl
via dell'Industria, 91
36030 Sarcedo (VI) Italy
tel. +39 0445 363133
fax +39 0445 378931
<http://www.byouweb.com>
e.mail: info@byouweb.com



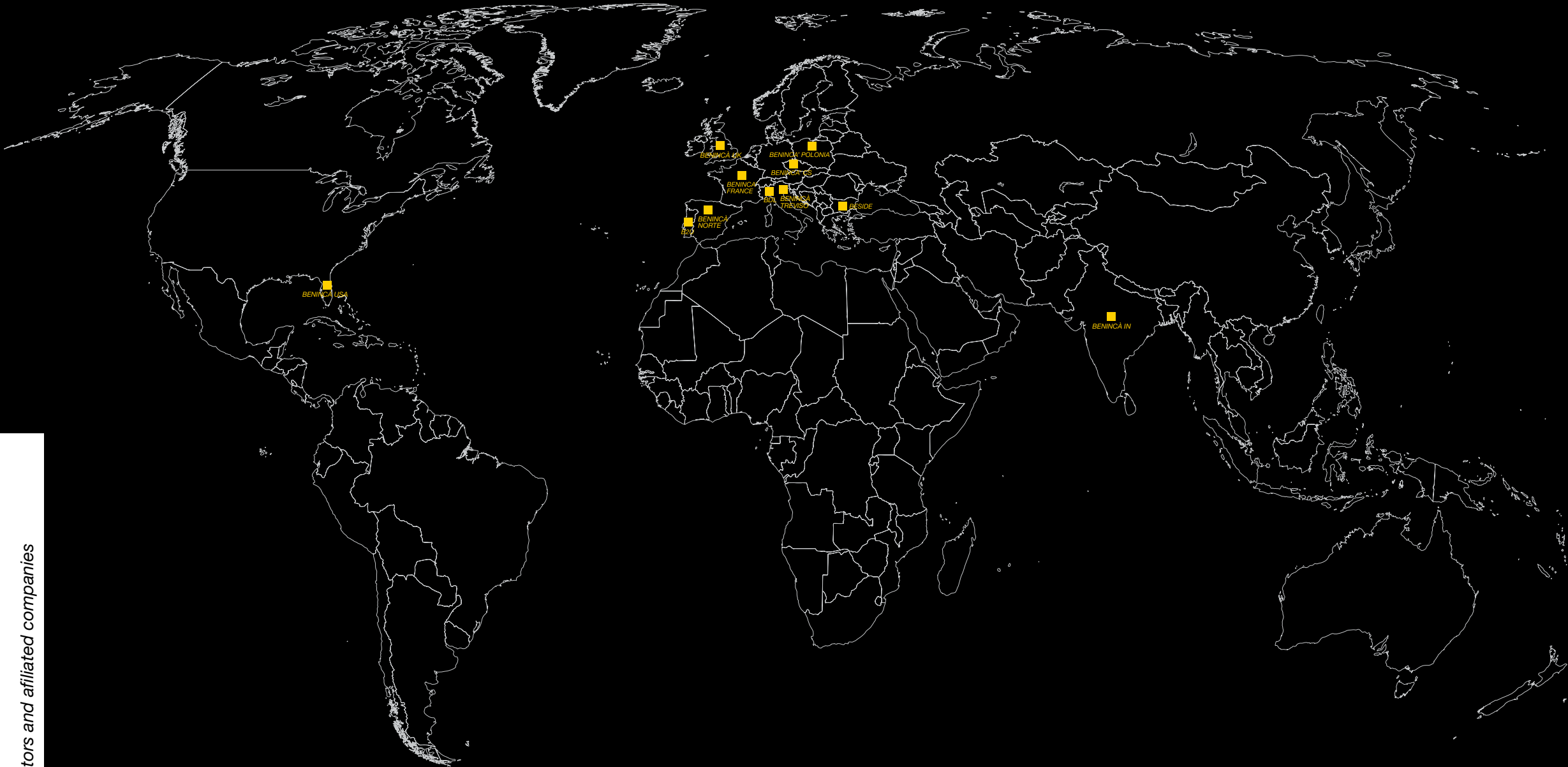
RISE Srl
via Capitello di sopra, 42
36035 Marano Vicentino (VI) Italy
tel. +39 0444 751401
fax +39 0444 758049
<http://www.riseweb.it>
e.mail: info@riseweb.it



HI-MOTIONS Srl
via dell'Industria, 55
36030 Sarcedo (VI) Italy
tel. +39 0445 367536
fax +39 0445 367520
<http://www.himotions.com>
e.mail: info@himotions.it



B E N I N C À · H O L D I N G



Europe
albania
austria
azerbailian
belarus
belgium
bosnia erzegovina
bulgaria
croatia
cyprus
czech republic
denmark
estonia
finland
france
germany
greece
holland
hungary
ireland

italy
latvia
liechtestein
lithuania
luxembourg
malta
norway
poland
portugal
romania
russia
serbia
slovakia
slovenia
spain
sweden
switzerland
ukraine
united kingdom

Asia & Pacific
armenia
australia
china
georgia
hong kong
india
indonesia
japan
kazakhstan
malaysia
new caledonia
new zealand
pakistan
philippines
singapore
south korea
taiwan
thailandia
vietnam

Africa
algeria
egypt
kenya
libya
mauritius
morocco
reunion
tunisia

Americas
brasil
puerto rico
trinidad and tobago
argentina
barbados
canada
chile
colombia
costa rica
dominican republic

ecuador
guadalupe
martinica
mexico
peru
united states of america
venezuela

Middle East
bahrain
iran
israel
jordan
kuwait
lebanon
oman
qatar
saudi arabia
syria
united arab emirates
yemen

HEADQUARTER

BENINCÀ HOLDING SpA
via del Capitello, 43
36066 Sandrigo (VI)

AUTOMATISMI BENINCÀ SPA
via del Capitello, 45
36066 Sandrigo (VI)
phone +39 0444 751030
fax +39 0444 759728
www.beninca.com
e.mail: sales@beninca.it

AFILIATED COMPANIES

ITALY _ BDL
20090 Assago (MI) ITALY
via De Vecchi, 3/4
phone +39 0245712651
fax +39 0245705459
www.beninca.it
info_bdl@beninca.it

ITALY _ BENINCÀ TREVISO S.r.l.
via Aquileia,7 - località Olmi
31048 San Biagio di Callalta (TV) ITALY
tel. +39 0422 473029
fax + 39 0422 892367
email: info@benincatreviso.com

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

BULGARIA _ BESIDE Ltd
102 Oborishte Str. Sofia
phone +359 29442236
fax +359 29442256
www.beside.bg
e-mail: info@beside.bg

CZECH REPUBLIC _ BENINCA'CS s.r.o.
Poděbradská 56/186
190 00 Praha 9 - Hloubětín
phone +420 281868814
fax +420 266107293
www.beninca.cz
e-mail: info@beninca.com

POLAND _ BENINCÀ POLONIA SP. Z O.O.
Al. Jerozolimskie 271
05-816 MICHAŁOWICE
phone +48 227239101
fax +48 227239099
www.beninca.pl

ENGLAND _ Beninca Automation UK Ltd
Unit 11, Wantage Rd
Hungerford
Berkshire, RG17 0HG
phone 08443588950
fax 08443588951
e-mail: info@beninca.co.uk

SPAIN _ BENINCÀ NORTE S.L
Calle Castelltallat n. 26 Polígono Industrial
Els Dolors Manresa (Barcelona)
Código postal 08243
tel 0034 93 874 87 86
fax 0034 93 874 87 86
e-mail: info@benincanorte.es
www.beninca.es

PORTUGAL _ B2U Benincà Portugal Lda
Núcleo Empresarial da Venda do pinheiro II-AC
2665-593 Venda do Pinheiro Portugal
phone +351 219668921
fax +351 219668922
www.b2u.pt
geral@b2u.pt

BENINCÀ USA
Benjoy America LLC,
6343 N.W. 99th AVE
Miami FL 33178
USA
ph 001 - 305 - 418 0090
fax 001 - 305 - 716 9271
www.benincausa.com
e-mail: beninca.usa@beninca.com

INDIA _ BENINCÀ Automations Private Limited
112/1, Lalbagh Fort Road
Minerva Circle - Bangalore 5600 04
phone +91 8041692625
fax +91 8041692626
www.beninca.in
e-mail: info@beninca.in



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.



Automatismi Benincà SpA

via del Capitello, 45

36066 Sandrigo (VI) Italy

tel. +39 0444 751030

fax +39 0444 759728

sales@beninca.it

www.beninca.com