

*it
makes
me
happy!*



WE ARE THINKING OF A WORLD WHERE CREATIVITY AND TECHNOLOGY COME TOGETHER TO GIVE LIFE TO MOVEMENT, A DYNAMIC MOVEMENT THAT REPRESENTS US BECAUSE IT REFLECTS OURSELVES AND OUR NEEDS. FOR US EVERY DAY THAT PASSES IS A JOURNEY INTO A WORLD THAT WE WANT TO BE MORE BEAUTIFUL, COMFORTABLE AND STIMULATING, BUT, ABOVE ALL, ONLY OUR OWN WORLD

MY **ALITOMATIC** WORLD

WHEN TECHNOLOGY AND CREATIVITY OPEN UP YOUR SPACE



Ashley - India, Bangalore
Sales Manager, Benjoy



" Italian spirit and flair have always fascinated me... that's why I came to study in Florence. With Benincà I have achieved my dream: expressing my personality with success among my own people, in the region where I was born."

I ♥ BIO

" Lo spirito e l'ingegno italiano mi hanno sempre affascinato... per questo ho studiato a Firenze. Con Benincà ho coronato il mio sogno: esprimere la mia professionalità con successo insieme alla mia gente e nella regione in cui sono nato. "

Jean-luc et Philippe Nicolas - France, Paris
Distributors



" Quand vous avez le produit, le service et la qualité vous parvenez à vous affirmer et à devenir leader même dans des zones où la concurrence est sans pitié. Nous, avec BENINCÀ, nous y sommes arrivés et chaque jour représente pour nous un nouveau défi."

I ♥ BIO

" When you've got the product, the service and the quality, you can be successful and become a leader even in areas where there is fierce competition. We succeeded with BENINCÀ and for us every day is a new challenge. "

Enrique - Tenerife, Santa Cruz
Distributor



" La seguridad y la protección son, en nuestro país, factores determinantes para vivir bien, razón por la que la automatización es un sector muy interesante para hacer negocios. Los instaladores han acogido bien e inmediatamente los sistemas Benincà, porque son seguros y rápidos de instalar. ZED y BOB son mis dos 'super héroes'."

I ♥ BIO

" In our country, security and protection are decisive factors for living well, and for this reason automation is a very interesting sector to work in. Benincà systems were immediately appreciated by our installers for their speed of installation and safety. ZED and BOB are my two 'super heroes'."

it makes me happy

WE FEEL UNITED EVEN
THOUGH FOR DIFFERENT REASONS AND IN DISTANT
PLACES. FOR WORK, ENTHUSIASM, FRIENDSHIP OR
TRUST, OR JUST TO OPEN A GARAGE MORE COM-
FORTABLY. WE THINK OF ENABLING PEOPLE TO UN-
DERSTAND, BUT ABOVE ALL OF BEING UNDERSTOOD

Francesco - Italy, Brescia
Distributor



“ Aldo e Luigi li ho conosciuti quando artigianalmente producevano il motore BS5, da allora quest'azienda si è trasformata, e di passi ne sono stati fatti tanti professionalmente e umanamente. Con quest'azienda c'è un legame particolare e ancora tanto da fare, sempre insieme”

I ♥ BIO

“ I met Aldo and Luigi when they were still making the mythical BS5 operator; since then we have shared joys and sorrows and my company and customers have grown with them. Esteem and a personal relationship are always fundamental in life and in work.”

Sanduk Philippines, Manila
Installer



“ Since I met the Bob, I have understood a lot about Benincà. It's important to have fine quality products because it means saving time in installation and assistance. So distance is not a problem: the reliability and constant level of service make me feel they are quite near.”

I ♥ BIO

“ Da quando ho incontrato Bob, ho capito molte cose su Benincà. È importante avere prodotti di qualità perché significa guadagnare tempo nell'installazione e nell'assistenza. La distanza quindi non è un problema: l'affidabilità e il costante livello di servizio mi fanno sentire vicino a loro.”

Andrzej - Polonia, Krakow
Managing Director



“ W 2004r. uczestniczyłem w narodzinach ekspozytury w Polsce, wówczas byłem tylko technikem, dziś jestem Naczelnikiem i jestem z tego bardzo dumny. Każdy sukces Benincà jest również moim osobistym sukcesem. ”

I ♥ BIO

“ In 2004 I took part in the creation of the branch office in Poland; at that time I was a technician, now I'm the manager and I'm proud of it. Every Benincà success thus becomes a result of my own. ”

PEOPLE AND PLACES

NEWS BENINCA[®] 2008



ROAD BARRIER_EVA

IO&COLOURS

BULL_RESIDENTIAL USE

BEN

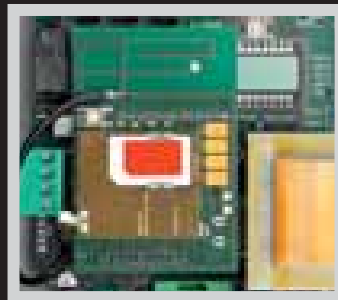
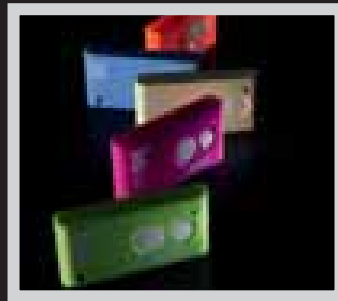
JIM

TEO SYSTEM

TO.GO_WITH TRANSPONDER

CALL

PUPILLA.B



AUTOMATIONS FOR SWINGING GATES

p.10

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CONTROL PANELS

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230 Vac SWINGING GATES SLIDING GATES GARAGE DOORS

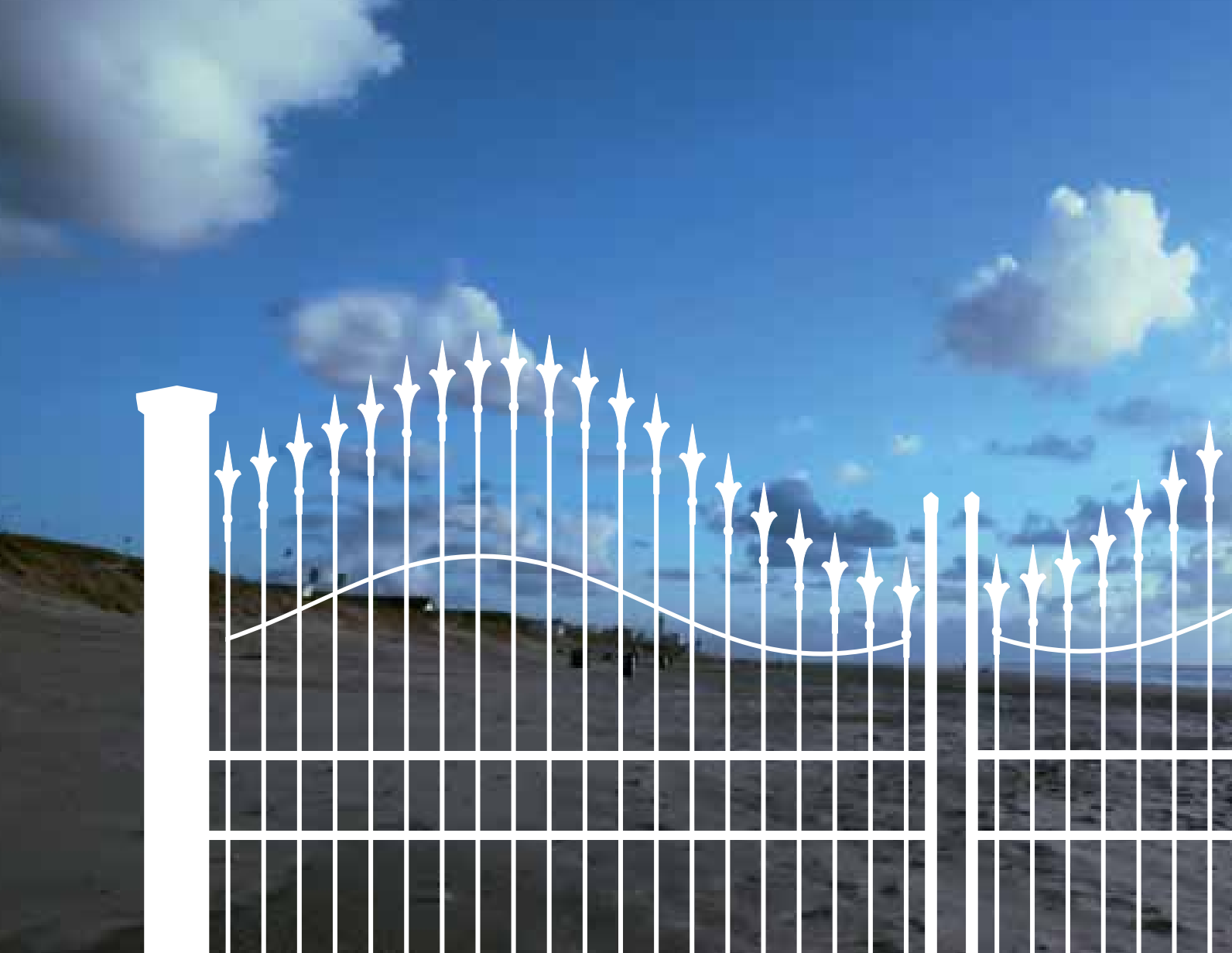
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24 Vdc SWINGING GATES SLIDING GATES GARAGE DOORS

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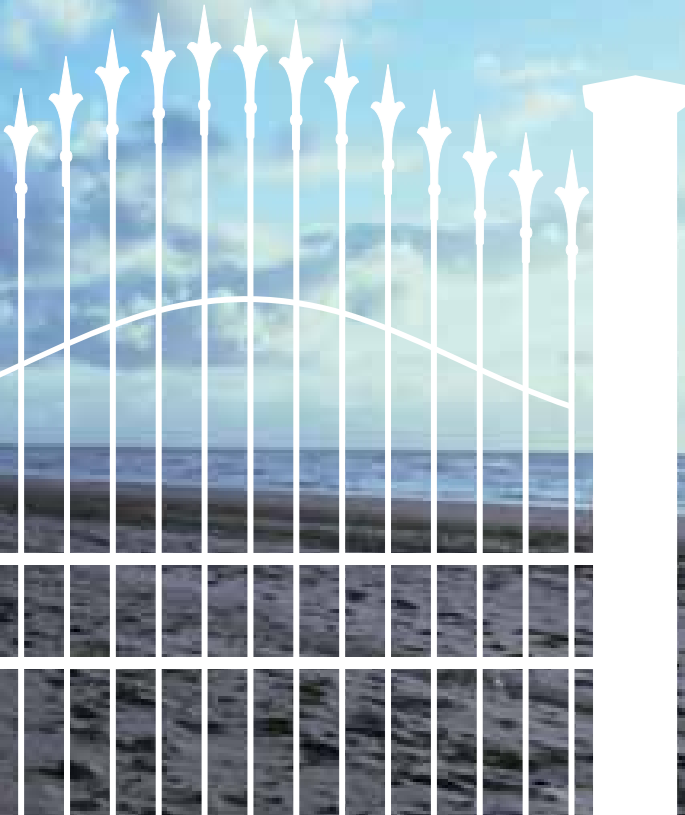
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		items	complete sets of automations
Linear Operators	leaf up to 2,10m.	BOB <ul style="list-style-type: none">230 Vac — BOB24 Vdc intensive use — BOB24	KBOB / KBOB.B KBOB24
	leaf up to 3m.	DU.30 — 230 Vac — DU.30 / DU.30V	DU.1NA
		DU.35 <ul style="list-style-type: none">230 Vac — DU.35 / DU.35V / DU.352FC24 Vdc intensive use — DU.3524	KB35
			KB3524
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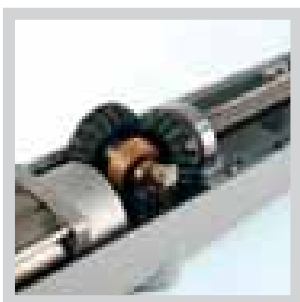
AUTOMATIONS FOR SWINGING GATES



			items	complete sets of automations
Articulated Arm	leaf up to 1,8m.	BEN	24 Vdc intensive use	BN24 / BN.E24 KBN24
	leaf up to 2m.	PREMIER	230 Vac	PR.45ER
	leaf up to 2,5m.	MBE	230 Vac	MB / MBE KMB
			24 Vdc intensive use	MB24 / MBE24 KMB24
	leaf up to 3m.	PREMIER	230 Vac	PR.45E KPR
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			24 Vdc intensive use	DU.IT24N
		DU.350	230 Vac	DU.350N

AUTOMATIONS FOR **SWINGING GATES**

up to 2,10 m



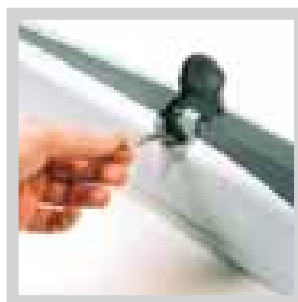
Simple and strong
mechanical parts



Innovative design and strong
mechanical components



Prepared for battery back-up
system



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



BOB/ **BOB24**

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

24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use
- Slowing down functions adjustable in opening and closing through the control panel Brain24 which includes also an amperometric anticrushing control
- Adjustable magnetic limit switch integrated





BOB.CS



Lock with personalized key and cover for BOB unlock system

BOB.SR



Multiposition brackets for one operator BOB

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.P90



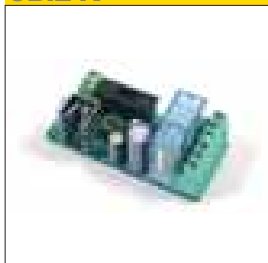
Vertical counterplate for DU.V90

BRAIN24.CB



Accessory for BRAIN24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries

CB.24V



Battery charger card

LB

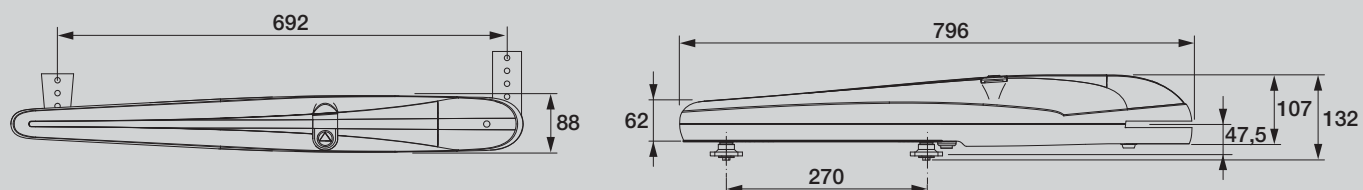


Standard box for control units.
Protection level IP 55

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery



TECHNICAL DATA	BOB	BOB24
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	24 Vac
Absorbed Power	230 W	70 W
Max. absorbed current	1 A	2,5 A
Thrust	1600 N	1600 N
Opening time	19"	9"
Operation cycle	30 %	intensive use
Standard stroke	270 mm	270 mm
Max stroke	300 mm	-
Protection level	IP 44	IP 44
Mechanical stops	in opening and closing	
Operating temp.	-20/+70 °C	-20/+70 °C
Lubrication	grease	grease
Weight	8,2 Kg	8,2 Kg
Items no. per pallet	54	54

DU.9990



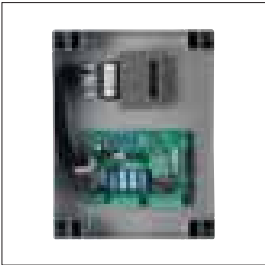
Covering plate for DU.V90

ID.TA



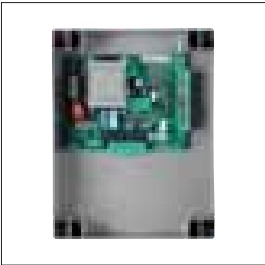
Aluminium warning board
Available in different languages

HEAD



230 Vac control panel with
433.92 Mhz built-in receiver
Technical features on page 145

BRAIN

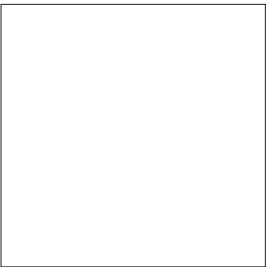
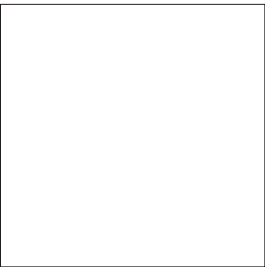
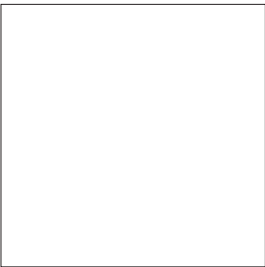
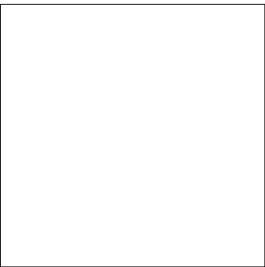
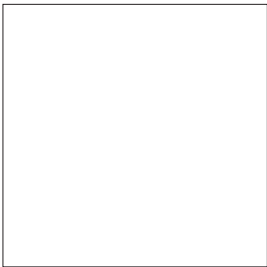


230 Vac control panel with
standard and sophisticated
features. Display for functions
programming
Technical features on page 144

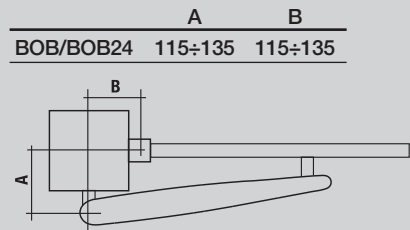
BRAIN24



24Vdc control panel with
built-in 433,92Mhz receiver
card and display for functions
programming
Technical features on page 154



MEASURES



INSTALLATION LIMITS	BOB/BOB24
LEAF DIMENSION	MAX. WEIGHT
1,5m	350 kg
1,8m	300 kg
2,1m	250 kg

SETS AVAILABLE

KBOB	18 Sets per pallet
KBOB.B	18 Sets per pallet
KBOB24	18 Sets per pallet

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AUTOMATIONS FOR **SWINGING GATES**

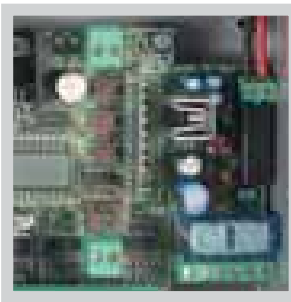
from 3 to 5 m



Unlock device operating
from the top by means of a
personalized key



Simple and strong
mechanical parts



Prepared for battery back-up
system



DU.35

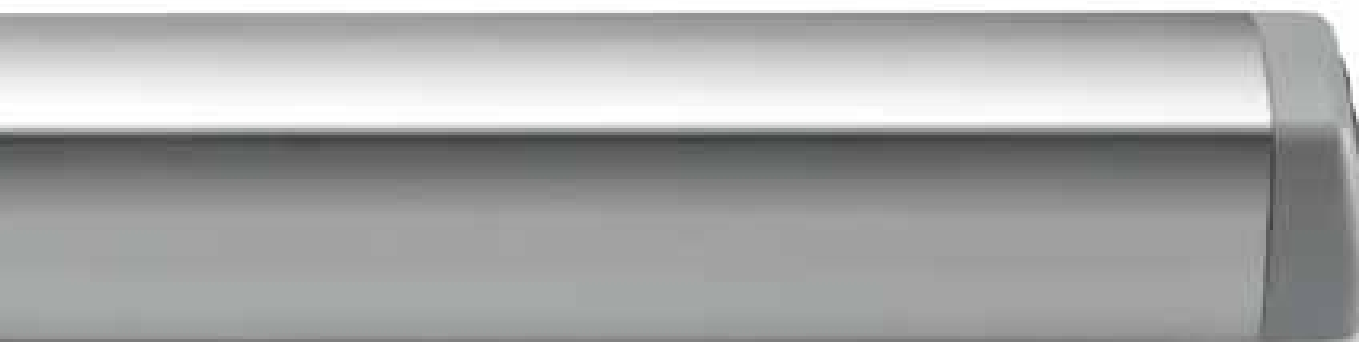
DU.3524

SURFACE MOUNTING

- Reliable and strong self-locking electromechanical operator
- Thanks to its design, compact and functional, it is easy to install and it matches with any architectural style
- The rolled screw ensures the operator is suitable for the most critical situations

24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use
- Prepared for battery back-up system
- Amperometric anticrushing control
- Limit switches adjustable in opening and closing



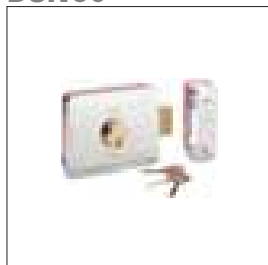


DU.V96



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.P90



Vertical counterplate for DU.V90

DU.9990



Covering plate for DU.V90

ID.TA



Aluminium warning board.
Available in different languages

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery

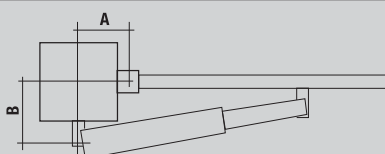
LB



Standard box for control units.
Protection level IP 55

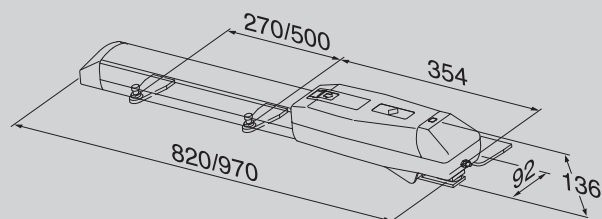
MEASURES

	A	B
DU.35/ DU.3524/ DU.352FC	105÷165	105÷165
DU.35L/ DU.3524L/ DU.35L2FC	150÷230	150÷230



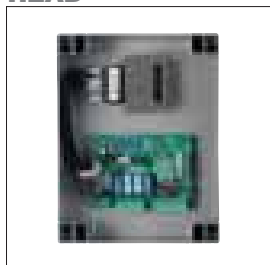
INSTALLATION LIMITS DU.35/35V/352FC

LEAF DIMENSION	MAX. WEIGHT
2,0m	600 kg
2,5m	500 kg
3,0m	400 kg



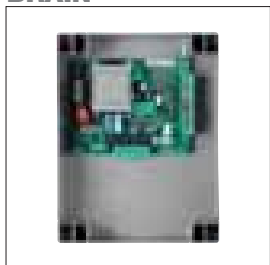
TECHNICAL DATA	DU.35	DU.35V	DU.35L	DU.352FC	DU.35L2FC	DU.3524	DU.3524L
Power supply	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	24 Vdc	24 Vdc
Absorbed Power	310 W	310 W	310W	310 W	310 W	120 W	120W
Max absorbed current	1,4 A	1,4 A	1,4 A	1,4 A	1,4 A	6 A	6 A
Thrust	2000 N	2000 N	2000 N	2000 N	2000 N	1500 N	1500 N
Opening time	~26"	~16"	~35"	~26"	~35"	9"	13"
Operation cycle	30 %	40 %	30 %	30 %	30 %	intensive use	intensive use
Standard stroke	350 mm	350 mm	500 mm	270 mm	420 mm	350 mm	500 mm
Protection level	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44	IP 44
Leaf max dimension	3m	3m	5m	3m	5m	3 m	5 m
Limit switch	Opening	Opening	Opening	Opening and closing	Opening and closing	Opening and closing	Opening and closing
Operating temp.	-20/+70 °C	-20/+70 °C	-20/+70 °C	-20/+70 °C	-20/+70 °C	-20/+70 °C	-20/+70 °C
Lubrication	grease	grease	grease	grease	grease	grease	grease
Weight	10 Kg	10 Kg	11 Kg	10 Kg	11 Kg	10 Kg	11 Kg
Type of Bracket	WELD-ON	SCREW-ON	WELD-ON	WELD-ON	WELD-ON	WELD-ON	WELD-ON
Items no. per pallet	54	28	45	54	45	54	45

HEAD



230 Vac control panel with 433.92 Mhz built-in receiver
Technical features on page 145

BRAIN



230 Vac control panel with standard and sophisticated features. Display for functions programming
Technical features on page 144

BRAIN24



24Vdc control panel with built-in 433,92Mhz receiver card and display for functions programming
Technical features on page 154

BRAIN24.CB

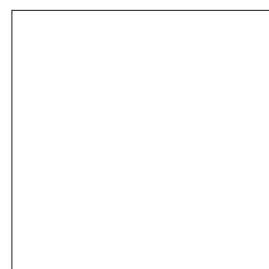
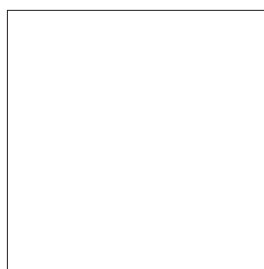
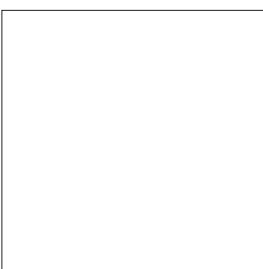
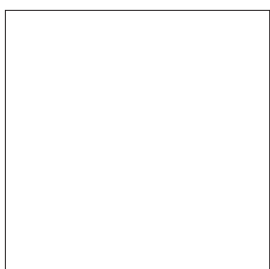
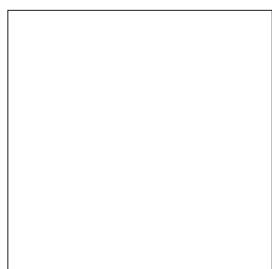


Accessory for BRAIN24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries

CB.24V



Battery charger card



INSTALLATION LIMITS DU.35L/35L2FC

LEAF DIMENSION	MAX. WEIGHT
3,0m	600 kg
3,5m	600 kg
4,0m *	450 kg
4,5m *	350 kg
5,0m *	250 kg

INSTALLATION LIMITS DU.3524

LEAF DIMENSION	MAX. WEIGHT
2,0m	600 kg
2,5m	500 kg
3,0m	400 kg

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

INSTALLATION LIMITS DU.3524L

LEAF DIMENSION	MAX. WEIGHT
3,0m	600 kg
3,5m	600 kg
4,0m *	450 kg
4,5m *	350 kg
5,0m *	250 kg

SETS AVAILABLE

KB35 12 Sets per pallet

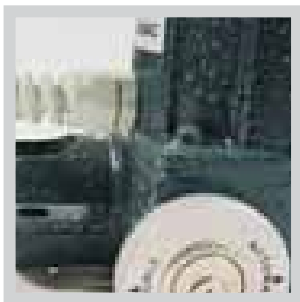
KB3524 12 Sets per pallet

p. 222 / 228



AUTOMATIONS FOR **SWINGING GATES**

from 3 to 5 m



Reduction case made of
die-cast aluminium



Really strong gears for heavy
duty



Unlock device with a
personalized key



DU.30

SURFACE MOUNTING

- Self-locking electromechanical operators made of painted aluminium
- Right or left side mounting
- Made of hi-quality materials for a strong and safety operator
- Easy electrical wirings and mechanical fitting
- Suitable for sandy and dusty places



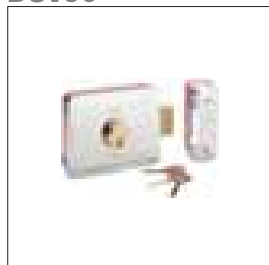


DU.V96



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

DUV90



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

DU.P90



Vertical counterplate for DU.V90

DU.9990

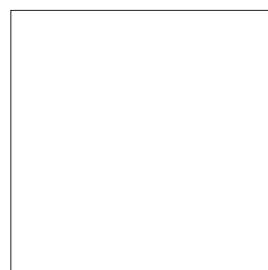
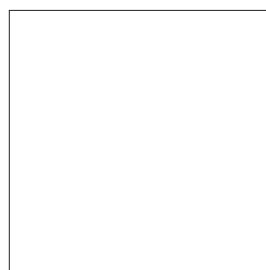
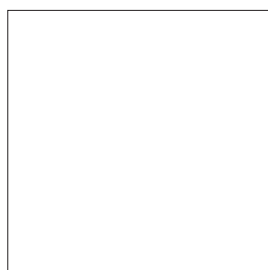
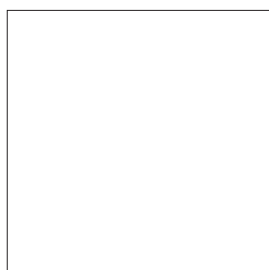
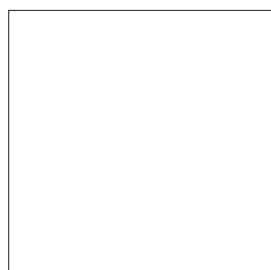


Covering plate for DU.V90

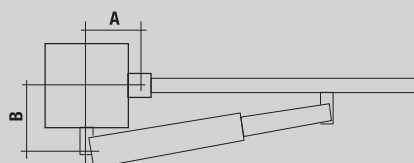
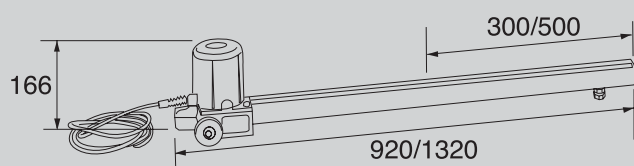
ID.TA



Aluminium warning board
Available in different languages



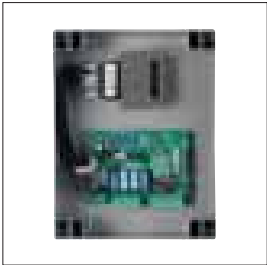
MEASURES



	A	B
DU.30/V	130 mm	130 mm
DU.50/V	170 mm	170 mm

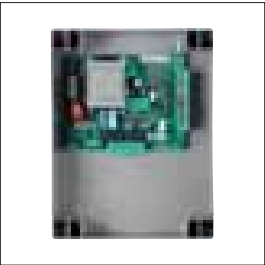
TECHNICAL DATA	DU.30	DU.30V	DU.50	DU.50V
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac
Absorbed Power	170 W	170 W	170 W	170 W
Max. absorbed current	0,85 A	0,85 A	0,85 A	0,85 A
Thrust	1800 N	1800 N	1800 N	1800 N
Opening time	20"	13"	35"	20"
Operation cycle	30 %	40 %	30 %	40 %
Standard stroke	300 mm	300 mm	500 mm	500 mm
Protection level	IP 44	IP 44	IP 44	IP 44
Operating temp.	-20/+70 °C	-20/+70 °C	-20/+70 °C	-20/+70 °C
Leaf max dimension	3 m	3 m	5 m	5 m
Lubrication	grease	grease	grease	grease
Weight	10 Kg	10 Kg	11 Kg	11 Kg
Type of Bracket	WELD-ON	SCREW-ON	WELD-ON	SCREW-ON
Items no. per pallet	35	35	28	28

HEAD

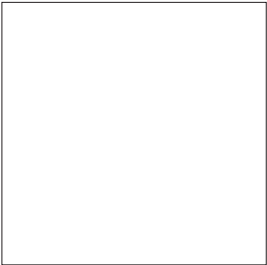
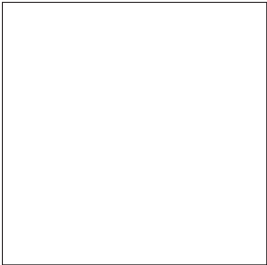
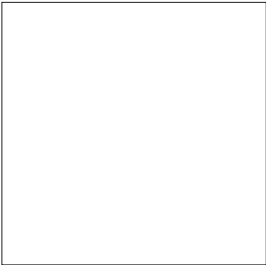
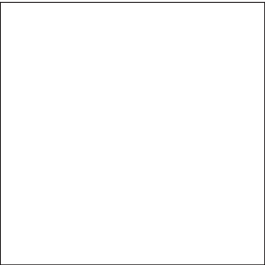
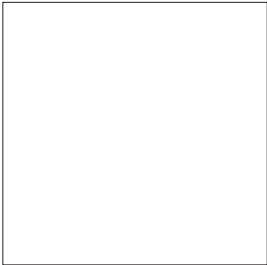
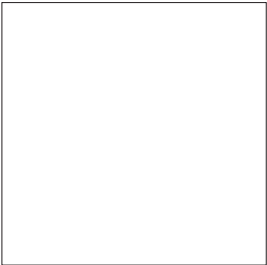
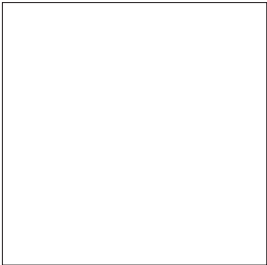
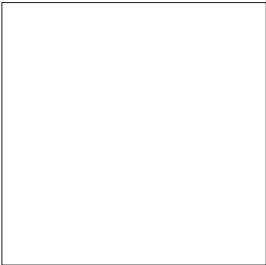


230 Vac control panel with 433.92 Mhz built-in receiver
 Technical features on page 145

BRAIN



230 Vac control panel with standard and sophisticated features. Display for functions programming
 Technical features on page 144



INSTALLATION LIMITS DU.30/30V	
LEAF DIMENSION	MAX. WEIGHT
2,0m	600 kg
2,5m	500 kg
3,0m	400 kg

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

INSTALLATION LIMITS DU.50/50V	
LEAF DIMENSION	MAX. WEIGHT
3,0m	600 kg
3,5m	600 kg
4,0m *	450 kg
4,5m *	350 kg
5,0m *	250 kg

SETS AVAILABLE

DU.1NA 12 Sets per pallet

p. 222



AUTOMATIONS FOR **SWINGING GATES**

up to 1,8 m



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



BEN



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.SE



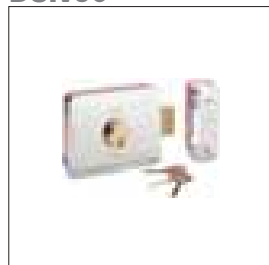
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside

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.P90

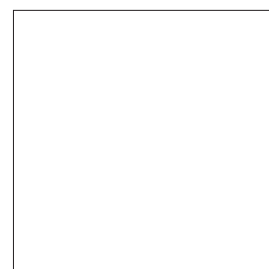
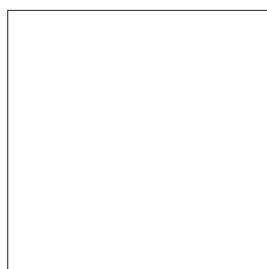
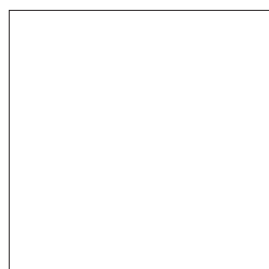
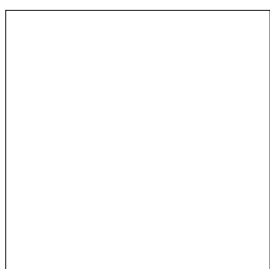
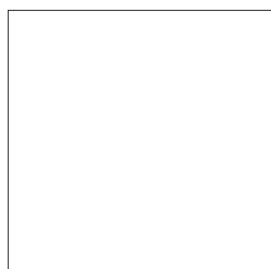


Vertical counterplate for DU.V90

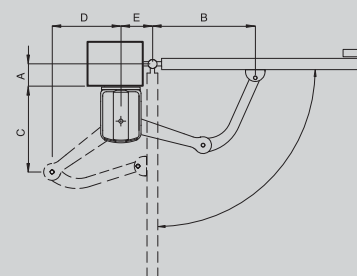
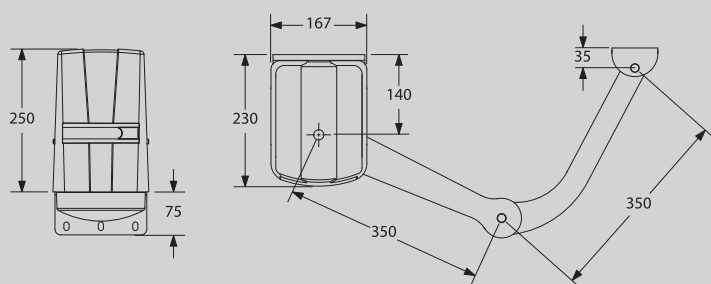
DU.9990



Covering plate for DU.V90



MEASURES



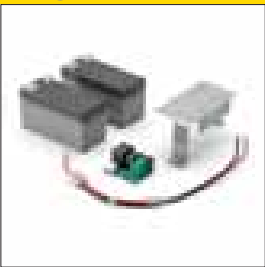
TECHNICAL DATA	BN24	BN.E24
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Absorbed Power	75 W	75 W
Max. absorbed current	3 A	0,6 A
Torque	120 Nm	120 Nm
Opening time	10"	10"
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Mechanical stop	adjustable in opening	adjustable in opening
Operating temp.	-20/+70 °C	-20/+70 °C
Lubrication	grease	grease
Weight	6 kg	7,9 kg
Built in control unit	NO	YES

ID.TA



Aluminium warning board
Available in different languages

BN.CB

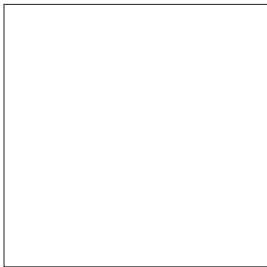
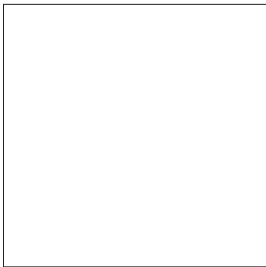
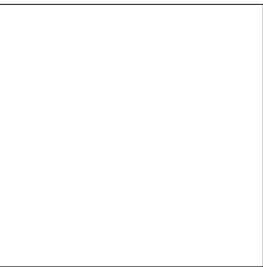
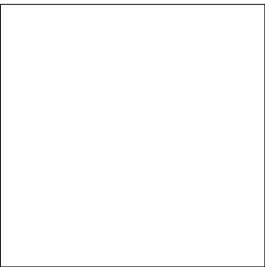
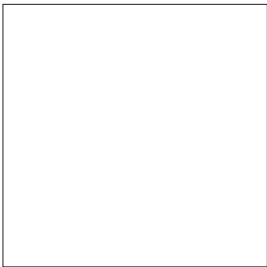
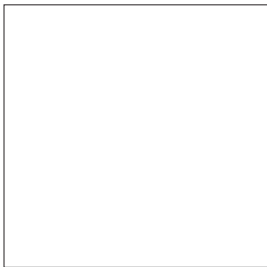
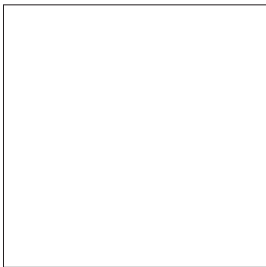


Accessory for CP.BEN
composed of battery charger
card BN.24V, 1,2Ah batteries
and support for batteries

BN.24V



Battery charger card



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 BEN

LEAF DIMENSION	MAX. WEIGHT
1 m	250 Kg
1,5 m	200 Kg
1,8 m	170 Kg

SETS AVAILABLE

KBN24 12 sets per Pallet

p. 228



AUTOMATIONS FOR **SWINGING GATES**

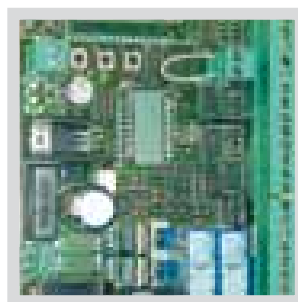
up to 2,5 m



Available with or without control panel



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



Control panel CP.MBE24 for one or two 24Vdc operators, provided with a display for programming the functions and the remote controls



MBE/ **MBE24**



SURFACE MOUNTING

- Self-locking electromechanical operator equipped with strong, articulated and anti shearing arm
 - Suitable for gates installed on large posts
- Equipped with two electric limit switches suitable also for leaves opening towards outside
- Equipped with unlock device operating by means of a personalized key. Prepared for cable unlock device
- Tempered steel mechanical features to guarantee sturdiness and solidity

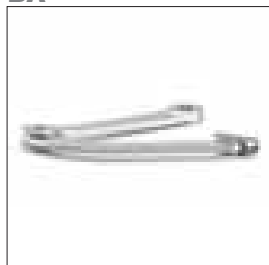
24 Vdc

- 24 Vdc self-locking electromechanical operator for intensive use equipped with strong, articulated and anti-shearing arm
 - Amperometric anticrushing control
- Prepared for battery back-up system

BA arm not included



BA



Single arm for MB/E/24

BS



Sliding arm for MB/E/24

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.

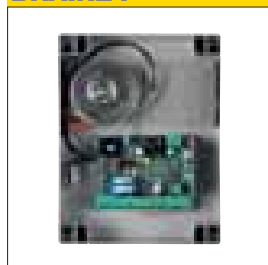
BRAIN



230 Vac control panel with standard and sophisticated features. Display for functions programming

Technical features on page 144

BRAIN24



24 Vdc control panel with built-in 433,92Mhz receiver card and display for functions programming

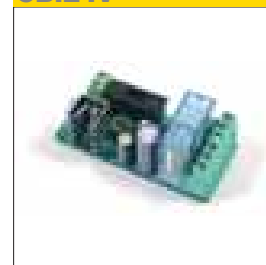
Technical features on page 154

BRAIN24.CB

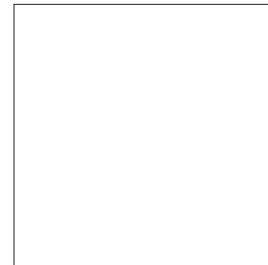


Accessory for BRAIN24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries

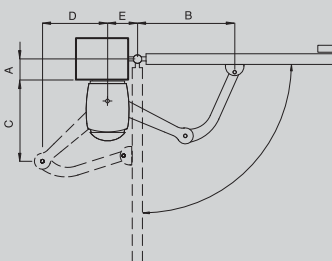
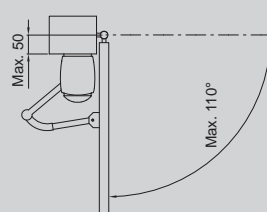
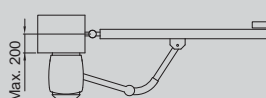
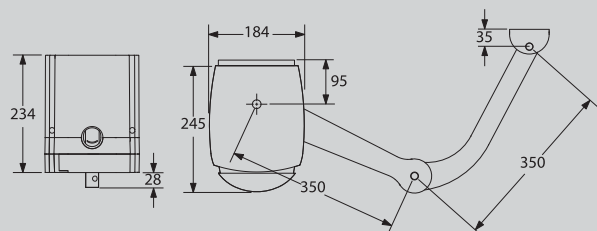
CB.24V



Battery charger card

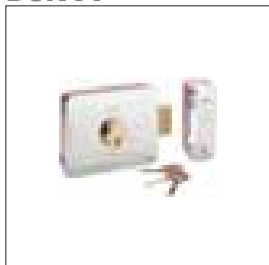


MEASURES



TECHNICAL DATA	MB	MBE	MB24	MBE24
Power supply	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc	24 Vdc
Absorbed Power	250 W	250 W	80 W	120 W
Max. absorbed current	1,2 A	1,2 A	5,5 A	0,5 A
Torque	220 Nm	220 Nm	200 Nm	200 Nm
Opening time	18"	18"	12"	12"
Operation cycle	30%	30%	intensive use	intensive use
Protection level	IP 44	IP 44	IP 44	IP 44
Operating temp.	-20/+70 °C	-20/+70 °C	-20/+70 °C	-20/+70 °C
Leaf max dimension	2,5 m	2,5 m	2,5 m	2,5 m
Lubrication	grease	grease	grease	grease
Weight	8,3 Kg	10 Kg	8,3 Kg	10 Kg
Built in control unit	NO	YES	NO	YES
Items no. per pallet	42	42	42	42

DU.V90



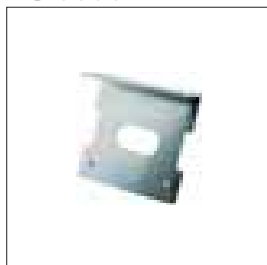
12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.P90



Vertical counterplate for DU.V90

DU.9990



Covering plate for DU.V90

ID.TA

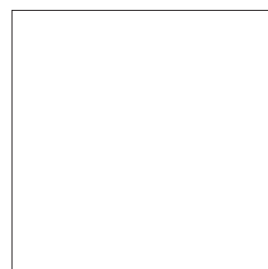
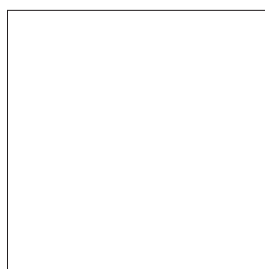
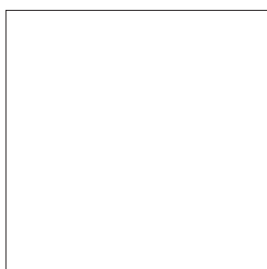
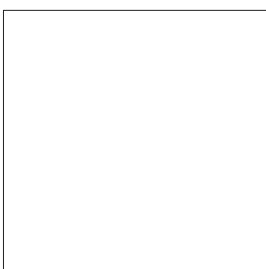
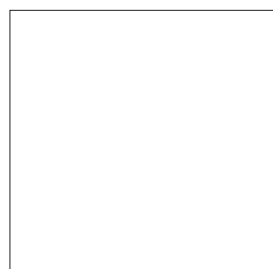


Aluminium warning board
Available in different languages

HEAD



230 Vac control panel with 433.92 Mhz built-in receiver
Technical features on page 145



A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	α°
0	470	347	247	140	90°
50	470	335	256	140	90°
100	470	326	266	140	90°
150	470	323	269	140	90°
200	470	328	264	140	90°
0	420	238	321	200	110°
50	420	184	304	220	110°
100	420	333	260	220	100°

INSTALLATION LIMITS	MB/MBE
LEAF DIMENSION	MAX. WEIGHT
1,8 m	350 kg
2,1 m	300 kg
2,5 m	280 kg

INSTALLATION LIMITS	MB24/MBE24
LEAF DIMENSION	MAX. WEIGHT
1,8 m	350 kg
2,1 m	300 kg
2,5 m	280 kg

SETS AVAILABLE

KIMB 12 Sets per pallet

KIMB24 12 Sets per pallet

p. 222 / 228



AUTOMATIONS FOR **SWINGING GATES**

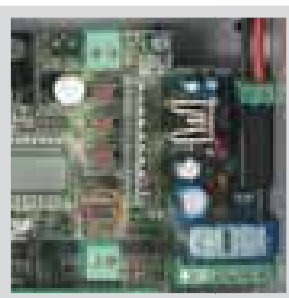
from 2 to 4 m without control panel



Unlock device by means of
a personalized key



Equipped with limit switches
in opening and closing



Prepared for battery back-up
system



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



DU.E2



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

MB.SE



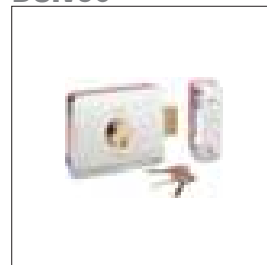
Externally fitted anti-intrusion cable unlock device which allows the gate to be unlocked from outside

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

BRAIN24.CB



Accessory for BRAIN24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries

CB.24V



Battery charger card

LB

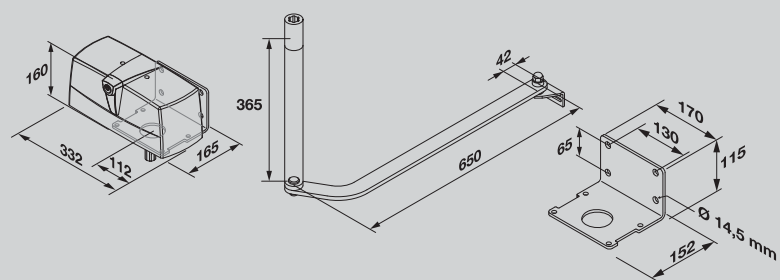


Standard box for control units. Protection level IP 55

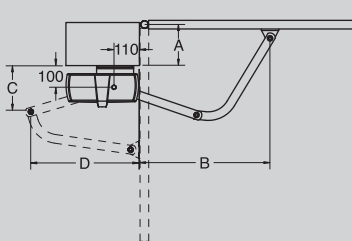
DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery



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

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
Absorbed Power	170 W	170 W	170 W	120 W
Max. absorbed current	0,85 A	0,85 A	0,85 A	6 A
Torque	300 Nm	300 Nm	150 Nm	260 Nm
Opening time	18"	24"	9"	9"
Operation cycle	35%	30%	40%	intensive use
Protection level	IP 44	IP 44	IP 44	IP 44
Operating temp.	-20/+70 °C	-20/+70 °C	-20/+70 °C	-20/+70 °C
Lubrication	Grease	Grease	Grease	Grease
Leaf max dimension	3 m	4 m	2 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.P90



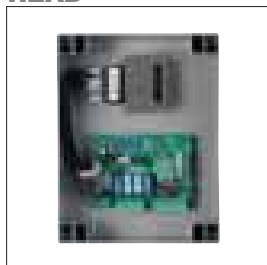
Vertical counterplate for DU.V90

ID.TA



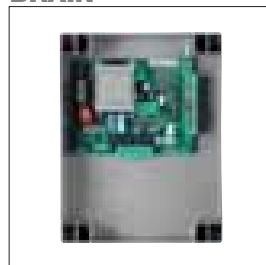
Aluminium warning board.
Available in different languages

HEAD



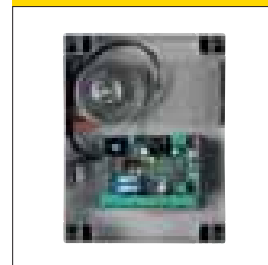
230 Vac control panel with
433.92 Mhz built-in receiver.
Technical features on page 145

BRAIN

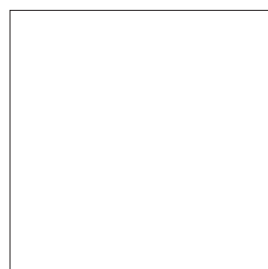
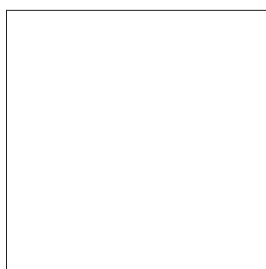
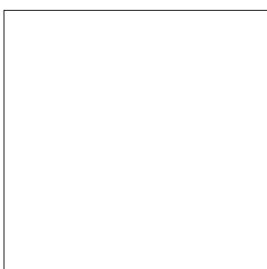
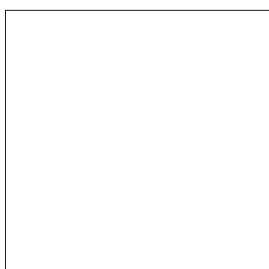
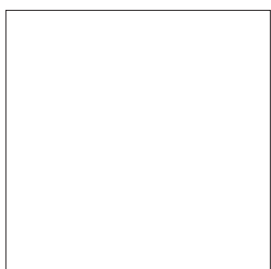


230 Vac control panel with
standard and sophisticated
features. Display for functions
programming.
Technical features on page 144

BRAIN24



24 Vdc control panel with
built-in 433,92Mhz receiver
card and display for functions
programming.
Technical features on page 154



INSTALLATION LIMITS PR.45E

LEAF DIMENSION	MAX. WEIGHT
2,0 m	600 kg
2,5 m	500 kg
3,0 m	400 kg

INSTALLATION LIMITS PR.45ER

LEAF DIMENSION	MAX. WEIGHT
2,0m	400 kg

INSTALLATION LIMITS PR.45EL

LEAF DIMENSION	MAX. WEIGHT
2,0m	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
2,0m	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

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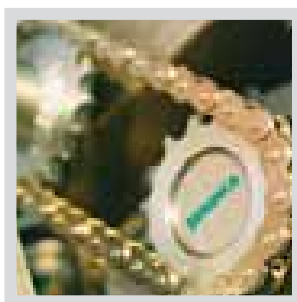


AUTOMATIONS FOR **SWINGING GATES**

from 3 to 4 m



Unlock device operating
from indoor and outdoor
sides by means
of a personalized key



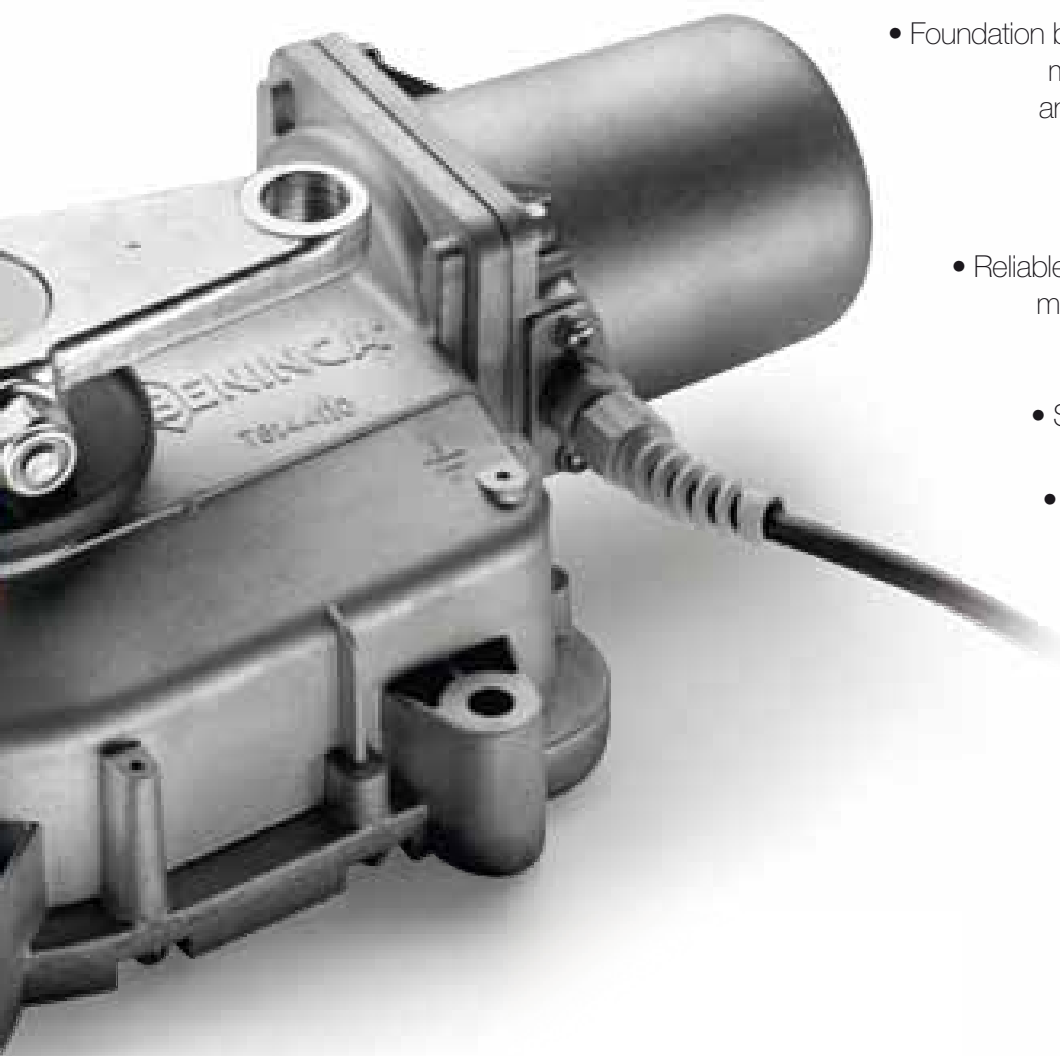
Prepared for 180° release
device DU.IT180N



Prepared for battery back-up
system



DU.IT14N/ **DU.IT24N**



UNDERGROUND INSTALLATION

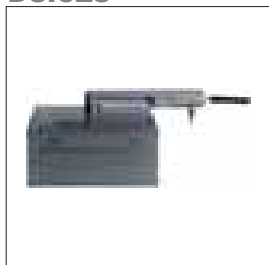
- Self-locking electromechanical operator
- Foundation box, hot galvanized, or stainless steel, makes the installation of operators fast and easy and, in case of maintenance, allows replacement of the operator without removing the existing gate
- Reliable and strong reduction unit with all the mechanical components made of steel

24 Vdc

- Self-locking 24Vdc electromechanical operator for intensive use
- Prepared for battery back-up system
 - Water-proof electromechanical limit switches, adjustable in opening and closing sides
 - Amperometric anticrushing control



DU.CZS



A boxed frame in hot galvanized steel for DU.IT9N/14N/24N max. opening 110°

DU.CNI



A boxed frame in stainless steel for DU.IT9N/DU.IT14N/ DU.IT24N max. opening 110°

DU.FCN



Water-proof limit switches device for DU.IT9N/14N

DU.IT180N



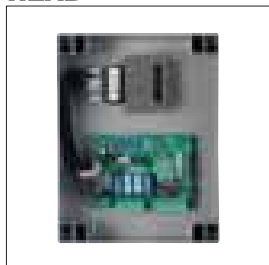
180° release device for DU.IT9N/14N/24N

DU.A90



90° mechanical stop

HEAD



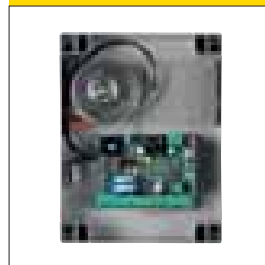
230 Vac control panel with 433.92 Mhz built-in receiver
Technical features on page 145

BRAIN



230 Vac control panel with standard and sophisticated features. Display for functions programming
Technical features on page 144

BRAIN24



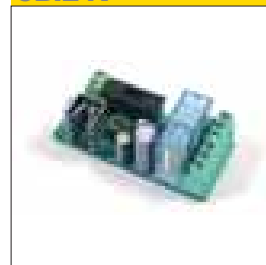
24V/dc control panel with built-in 433,92Mhz receiver card and display for functions programming
Technical features on page 154

BRAIN24.CB

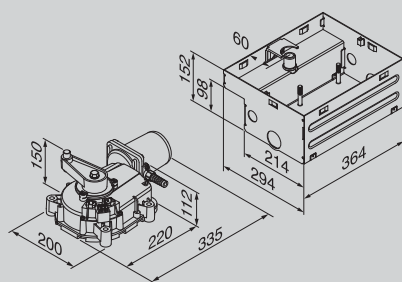


Accessory for BRAIN24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries

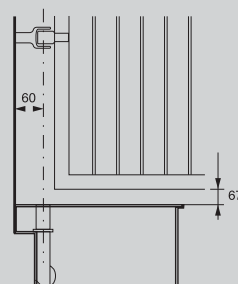
CB.24V



Battery charger card



MINIMUM MEASURES



INSTALLATION LIMITS DU.IT9N

LEAF DIMENSION	MAX. WEIGHT
2,0m	600 kg
2,5m	600 kg
3,0m	600 kg
3,5m	550 kg
4,0m *	500 kg

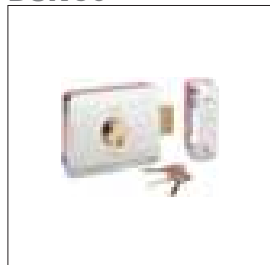
TECHNICAL DATA	DU.IT9N	DU.IT14N	DU.IT24N
Power supply	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	24 Vdc
Absorbed Power	300 W	300 W	120 W
Max. absorbed current	1,6 A	1,6 A	6 A
Torque	380 Nm	330 Nm	360 Nm
Opening time	30"	20"	20"
Operation cycle	40%	50%	intensive use
Protection level	IP 67	IP 67	IP 67
Operating temp.	-20/+70 °C	-20/+70 °C	-20/+70 °C
Lubrication	Grease	Grease	Grease
Leaf max dimension	4 m	3 m	4 m
Weight	11,6 Kg	11,6 Kg	11,6 Kg
Limit switch included	no	no	yes
Items no. per pallet	44	44	44

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.P90



Vertical counterplate for DU.V90

DU.9990



Covering plate for DU.V90

ID.TA



Aluminium warning board Available in different languages

DA.BT6 DA.BT2

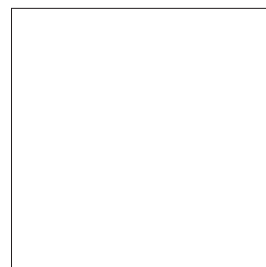


DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery

LB



Standard box for control units. Protection level IP 55



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

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

INSTALLATION LIMITS DU.IT24N	
LEAF DIMENSION	MAX. WEIGHT
2,0m	500 kg
2,5m	500 kg
3,0m	400 kg
3,5m	350 kg
4,0m *	300 kg

Items no. per pallet

DU.CZS 32 per pallet

DU.CNI 32 per pallet



AUTOMATIONS FOR **SWINGING GATES**

from 3 to 4 m



Strong and fast indoor and outdoor unlock device



Prepared for the installation of electromechanical water-proof limit switches



Reliable and strong reduction unit with all the mechanical components made of steel and in oil bath 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
- Foundation box, hot galvanized or stainless steel, makes the installation of operators fast and easy and, in case of maintenance, allows replacement of the operator without removing the existing gate. Suitable for large gates
- Prepared for the installation of electromechanical water-proof limit switches
- Adjustable mechanical stops included

**Both versions DU.350/DU.350V
fit into the same foundation box**



DU.110



Hot galvanized foundation box for DU.350N/VN, max 110° opening angle

DU.350FC



Water-proof limit switches device for DU.350N

DU.180N



180° release device for DU.350N/DU.350VN

DU.F90



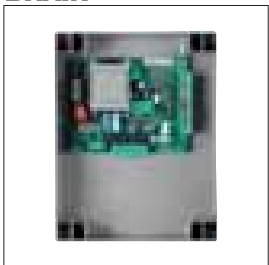
90° mechanical stop

DU.V96

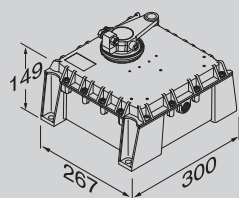
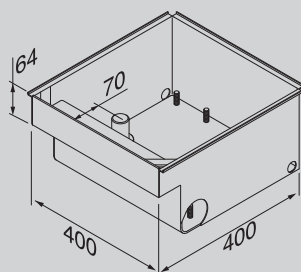
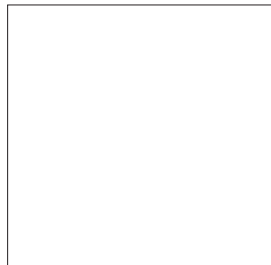
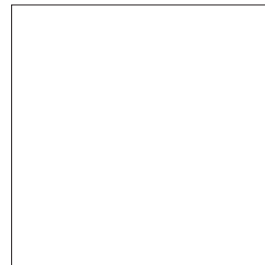
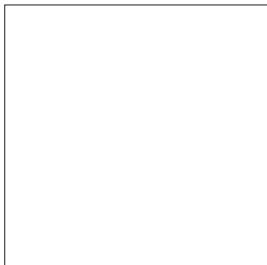
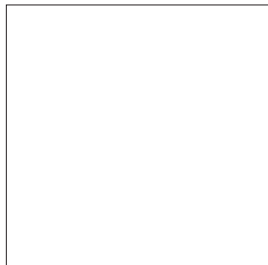


12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

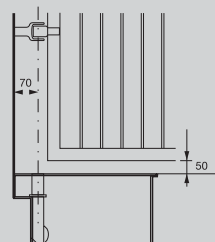
BRAIN



230 Vac control panel with standard and sophisticated features. Display for functions programming
Technical features on page 144

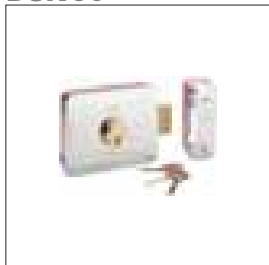


MINIMUM MEASURES



TECHNICAL DATA	DU.350N	DU.350NV
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac
Absorbed Power	310 W	310 W
Max. absorbed current	1,4 A	1,4 A
Torque	450 Nm	320 Nm
Opening time	18"	11"
Operation cycle	50 %	60 %
Protection level	IP 67	IP 67
Operating temp.	-20/+70 °C	-20/+70 °C
Leaf max dimension	4 m	3 m
Lubrication	Oil	Oil
Weight	20 Kg	20 Kg
Limit switch included	NO	NO
Items no. per pallet	32	32

DU.V90



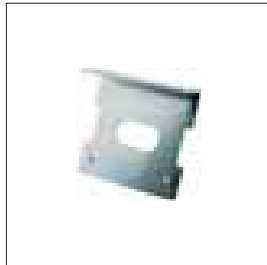
12 Vdc horizontal electric lock, supplied with counterplate. Permits external release

DU.P90



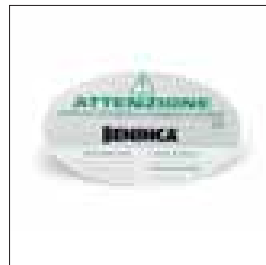
Vertical counterplate for DU.V90

DU.9990



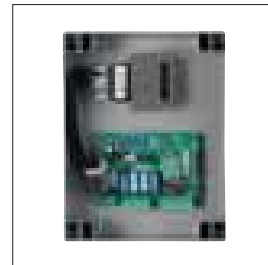
Covering plate for DU.V90

ID.TA

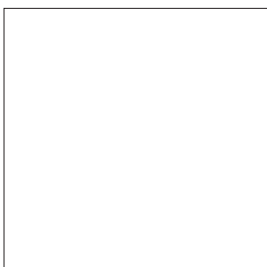
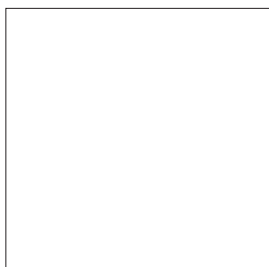


Aluminium warning board
Available in different languages

HEAD



230 Vac control panel with 433.92 Mhz built-in receiver
Technical features on page 145



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

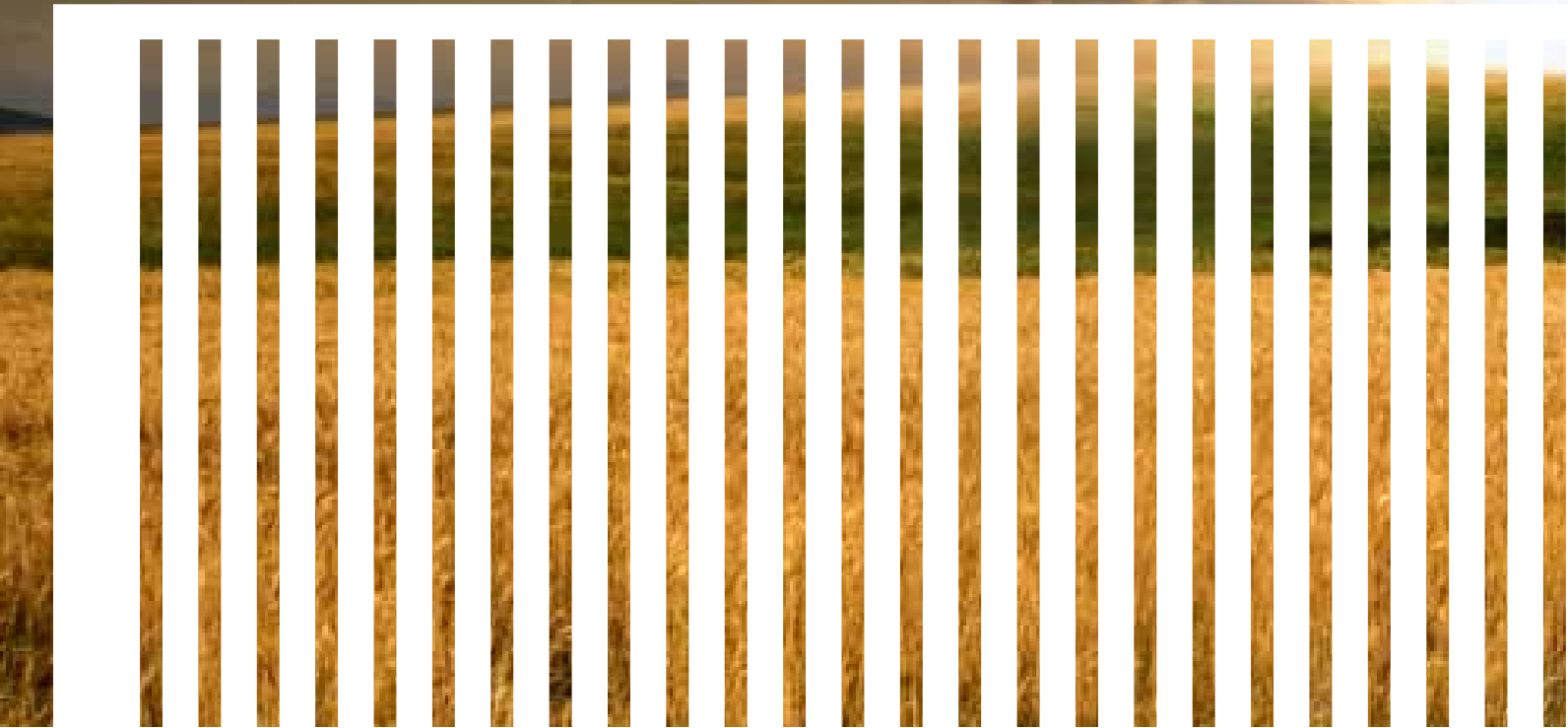
INSTALLATION LIMITS	DU.350NV
LEAF DIMENSION	MAX. WEIGHT
2,0m	700 kg
2,5m	600 kg
3,0m	500 kg

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

Items no. per pallet

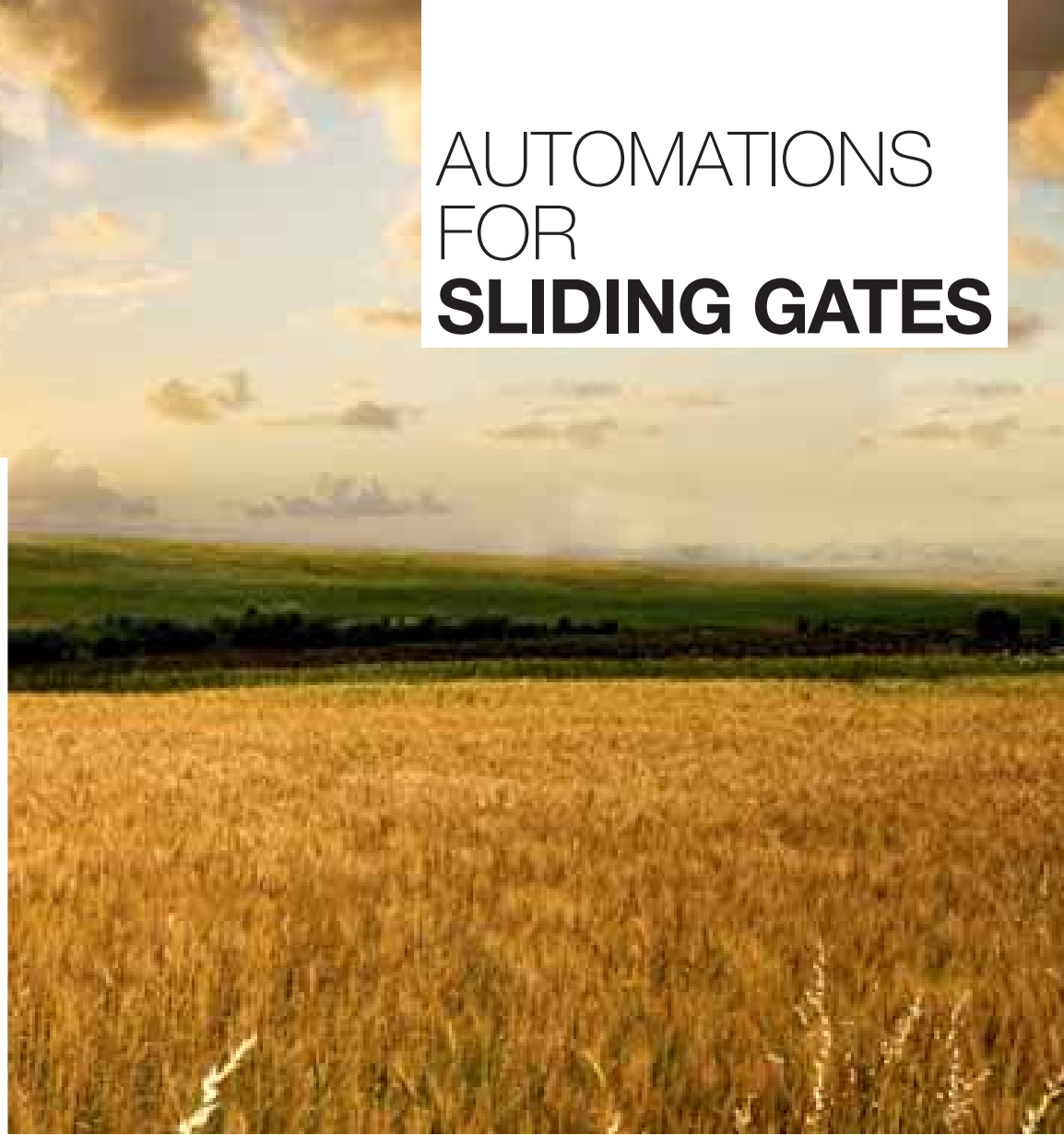
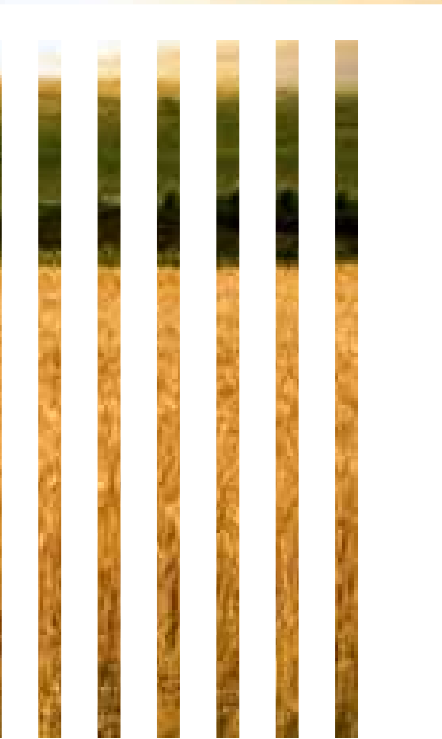
DU.110 24 per pallet





			items	complete sets of automations
Residential Use	300 Kg	MS3	230 Vac — MS3	KS3
			24 Vdc - intensive use — MS324	KS324
	350 Kg	BULL	24 Vdc - intensive use — BULL424	KBULL424
	500 Kg	BULL	230 Vac — BULL5M	KBULL5M
	600 Kg	BULL	24 Vdc - intensive use — BULL624	KBULL624
		RI.6	230 Vac — RI.6E	RI.1NA
	800 Kg	BULL	230 Vac — BULL8M	KBULL8M

AUTOMATIONS FOR SLIDING GATES



items

complete sets of automations

Industrial Use

1000 Kg	BULL	230 Vac	BULL10M	KBULL10M
1500 Kg	RI.15	230 Vac	RI.15M	
		400 Vac - intensive use	RI.15T	
	BULL	230 Vac	BULL15M	KBULL15M
2000 Kg	RI.20	400 Vac - intensive use	RI.20T	
2000 Kg	BULL	230 Vac	BULL20M	
		400 Vac - intensive use	BULL20T	

AUTOMATIONS FOR **SLIDING GATES**

up to 350 / 500 kg

supplied with control unit and integrated receiver



Design, research and a careful selection of materials and components



Easy to use unlock device



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



Advanced control panel with programming by means of an integrated LCD display

BULL5M **BULL424**



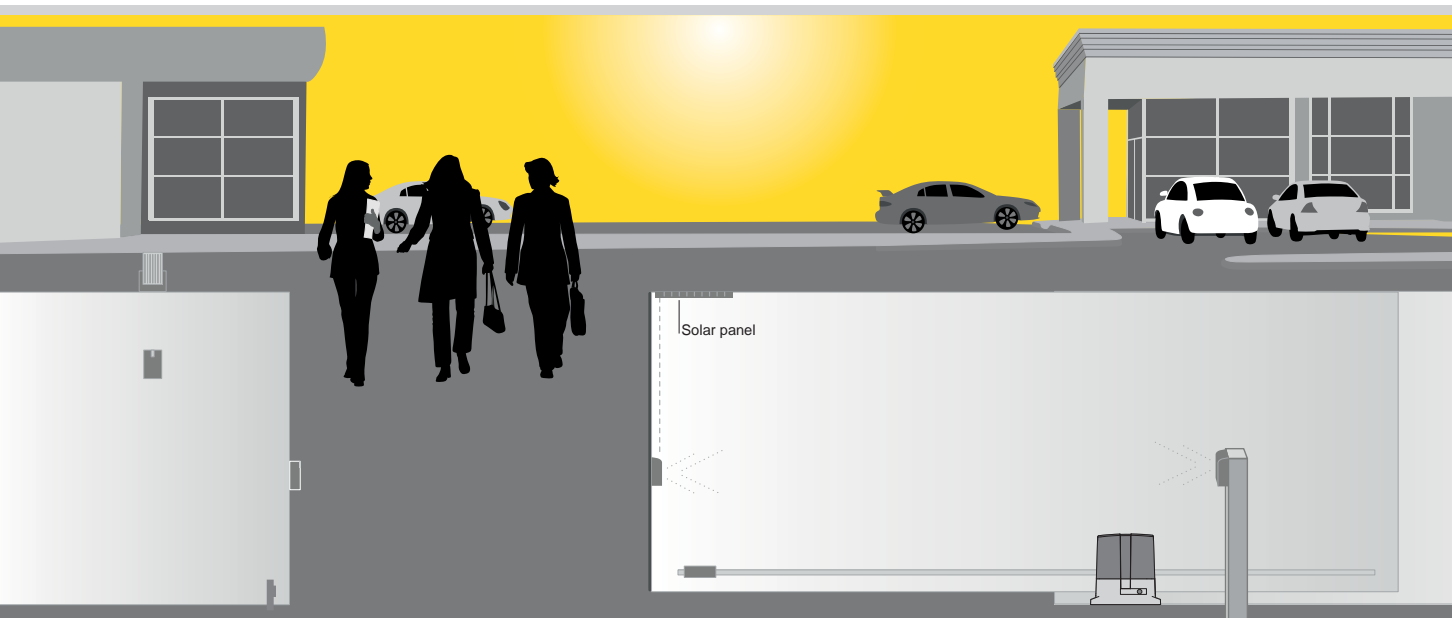
RESIDENTIAL **USE**

- 230 Vac single-phase operator with built-in control panel and encoder
- Magnetic limit switches are available as accessory
- Fast and easy unlock device with a customized key

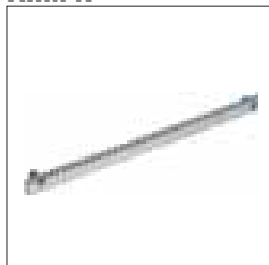
24 Vdc

- 24Vdc operator for intensive use with built-in control panel and encoder
- Prepared for battery back-up system
- Amperometric anticrushing control

**Equipped with
foundation plate**

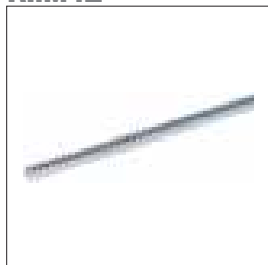


RI.M4F



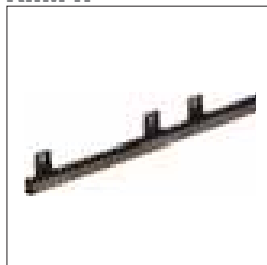
M4 galvanized rack with slots and screws (30x12x1000 mm)
Packaging: 4 pcs

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

BULL.PI



Higher foundation plate

RI.SF



Outdoor wire unlock system for gates without pedestrian entrance

LB



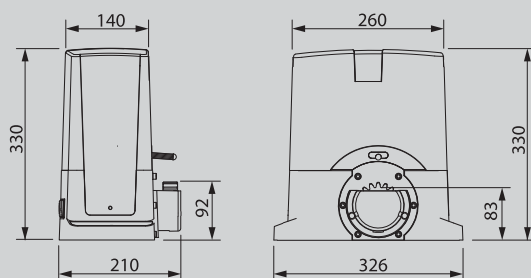
Standard box for control units.
Protection level IP 55

ID.TA

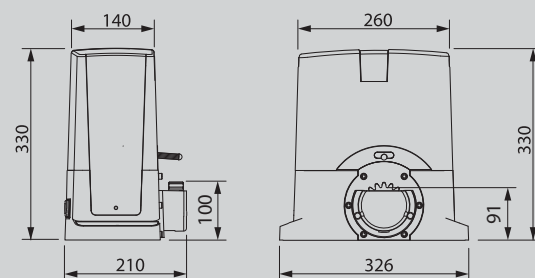


Aluminium warning board
Available in different languages

BULL424



BULL5M



TECHNICAL DATA	BULL5M	BULL424
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	24 Vdc
Absorbed Power	235 W	80 W
Max. absorbed current	1,3 A	0,4 A
Torque	18 Nm	12 Nm
Opening speed	10,5m/min	12m/min
Operation cycle	30 %	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C / +70°C	-20°C / +70°C
Max gate weight	500 Kg	350 Kg
Lubrication	Grease	Grease
Driving gear for rack	M4 Z18	M4 Z14
Weight	10,6 kg	9 Kg

DA.2S



Electronic module which allows the synchronized movement of two gates

MLS



Magnetic limit switches for BULL5M/BULL424 Suitable for snowy places

BULL24.CB



Accessory for CP.B24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries

DA.BT6 DA.BT2

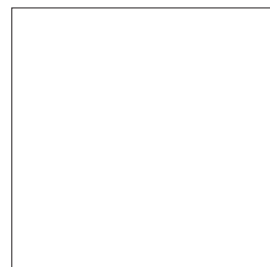
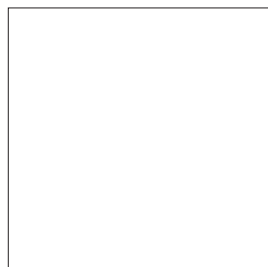
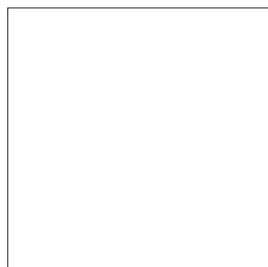
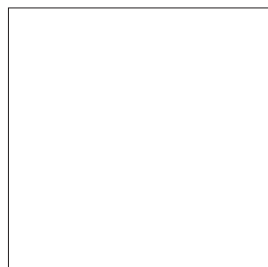
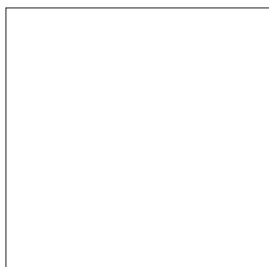


DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6 need must be fitted into an external box

PUPILLA.B



Pair of photocells with battery powered transmitter, recharging system by means of photovoltaic panel. Transmission of controls also on moving gates and even on installations that do not have incorporated safety devices. Technical features on page 213



SAFETY DEVICES on page 218

SETS AVAILABLE

KBULL5M

KBULL424

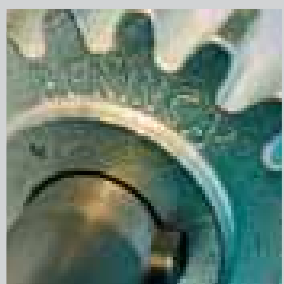
p. 222 / 228



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



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



Advanced control panel , CP.B24, with programming by means of an integrated LCD display

BULL8M **BULL624**



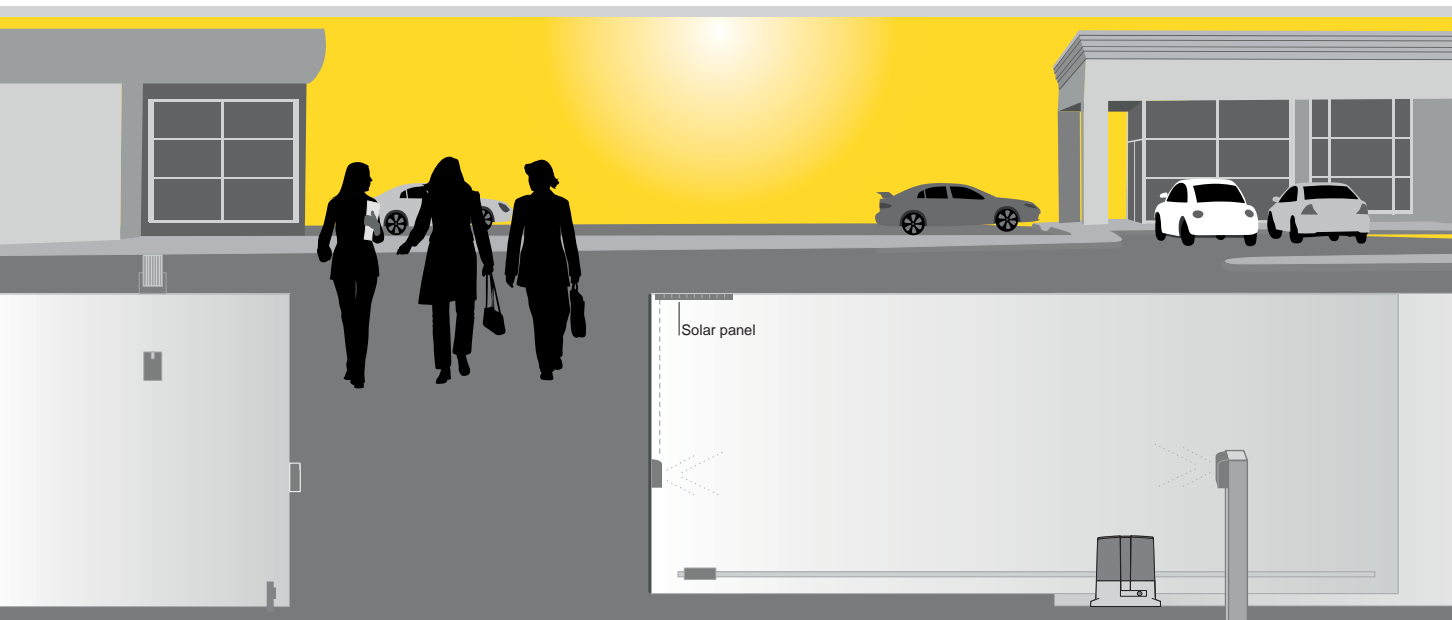
RESIDENTIAL **USE**

- 230 Vac single-phase operator with built in control panel and encoder device
- Magnetic limit switches are available as accessory
- Fast and easy unlock device with a customized key

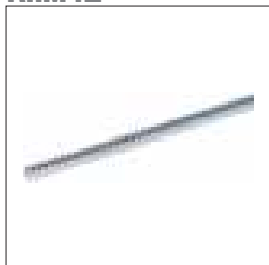
24 Vdc

- 24Vdc operator for intensive use with built-in control panel and encoder
- Prepared for battery back-up system
- Amperometric anticrushing control

**Equipped with
foundation plate**

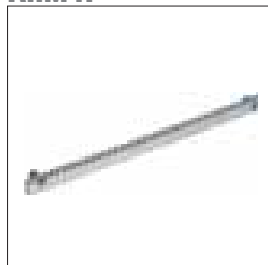


RI.M4Z



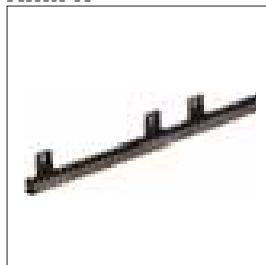
M4 galvanized rack
(22x22x2000 mm)
Packaging: 2 pcs

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

BULL.PI



Higher foundation plate

RI.SF



Outdoor wire unlock system
for gates without pedestrian
entrance

LB



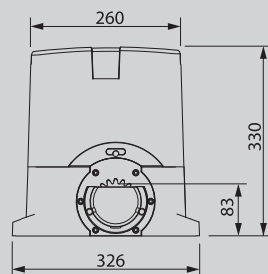
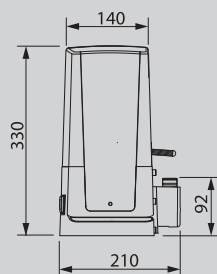
Standard box for control units.
Protection level IP 55

ID.TA

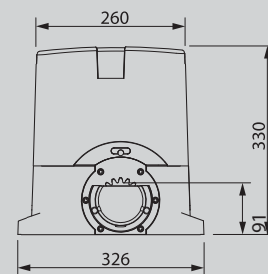
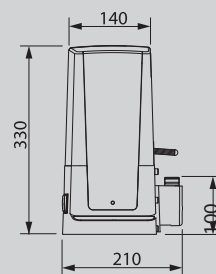


Aluminium warning board
Available in different languages

BULL624



BULL8M

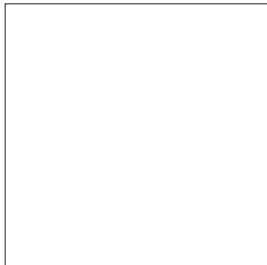


TECHNICAL DATA	BULL8M	BULL624
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	24 Vdc
Absorbed Power	280 W	120 W
Max. absorbed current	1,5 A	0,5 A
Torque	25 Nm	20 Nm
Opening speed	10,5 m/min	10 m/min
Operation cycle	30 %	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C / +70°C	-20°C / +70°C
Max gate weight	800 Kg	600 Kg
Lubrication	Grease	Grease
Driving gear for rack	M4 Z18	M4 Z14
Weight	11,4 kg	10 Kg

DA.2S



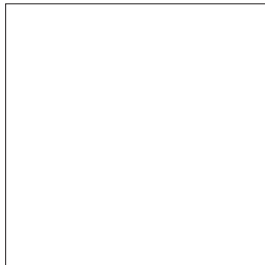
Electronic module which allows the synchronized movement of two gates



MLS



Magnetic limit switches for BULL624, BULL8M
Suitable for snowy places



BULL24.CB



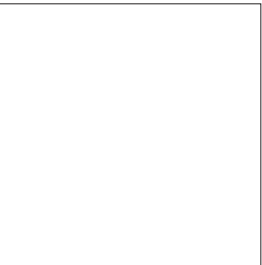
Accessory for CP.B24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries



DA.BT6
DA.BT2



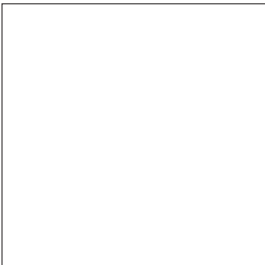
DA.BT6: Battery 6Ah 12 VDC
DA.BT2: Battery 2.1Ah 12 VDC
DA.BT6 need must be fitted into an external box



PUPILLA.B



Pair of photocells with battery powered transmitter, recharging system by means of photovoltaic panel. Transmission of controls also on moving gates and even on installations that do not have incorporated safety devices.
Technical features on page 213



SAFETY DEVICES on page 218

SETS AVAILABLE

- KBULL8M
- KBULL624

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AUTOMATIONS FOR **SLIDING GATES**

up to 1000 kg / 1500 kg

supplied with control unit and integrated receiver



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



Fast and easy unlock device with a customized key



The built in display and pull out terminals make the installation of CP. BULL easier and faster

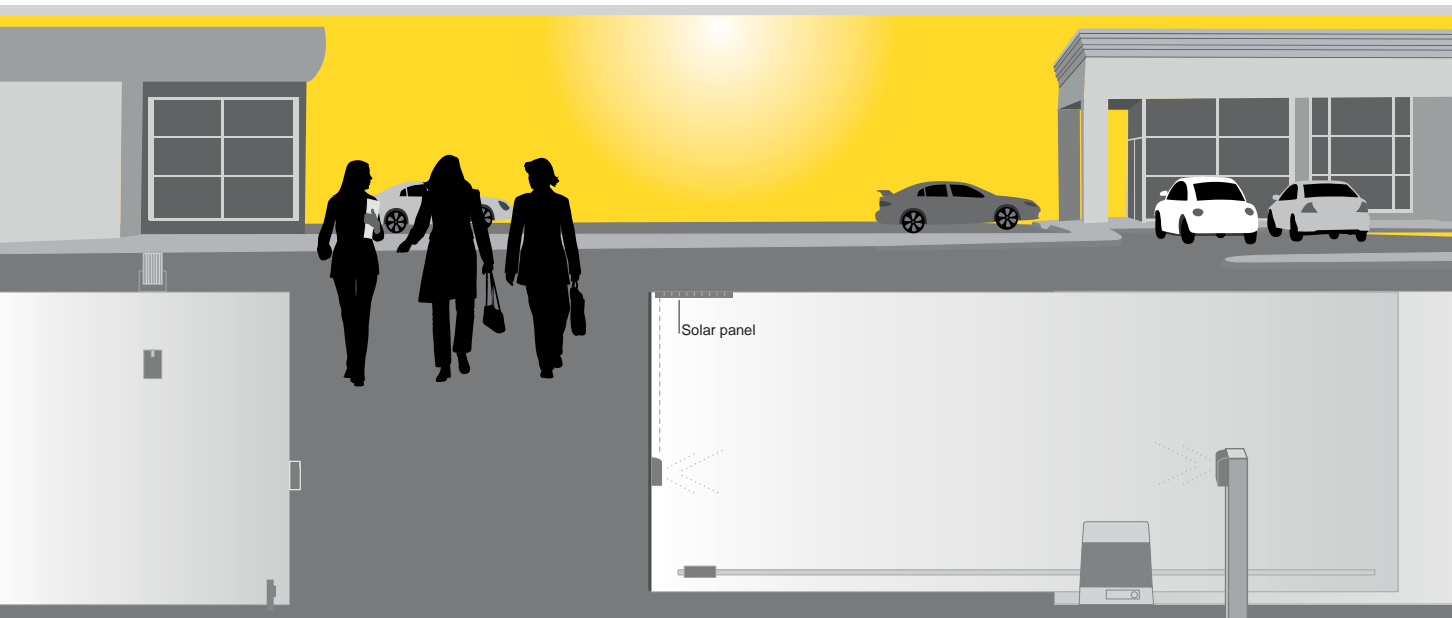
BULL10M/ BULL15M

MULTI-FLAT INDUSTRIAL USE

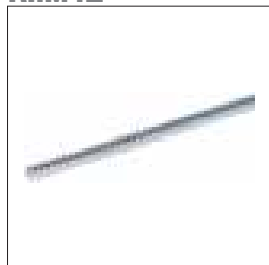
- 230 Vac single-phase operator with built-in control panel
 - Self-ventilated version equipped with encoder
- Fast and easy to use unlock device
 - Horizontal and vertical fitting position of operator are adjustable
 - Fast and easy to wire
 - Magnetic limit switches are available as accessory



**Equipped with
foundation plate**

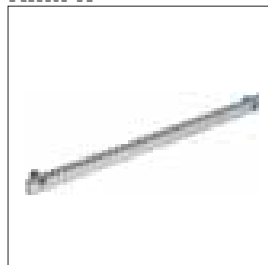


RI.M4Z



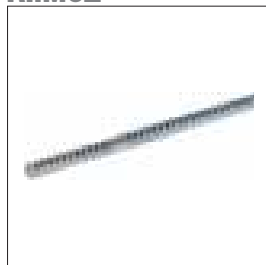
M4 galvanized rack
(22x22x2000 mm)
Packaging: 2 pcs

RI.M4F



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

RI.M6Z



M6 galvanized rack
(30x30x2000 mm)

RI.P6

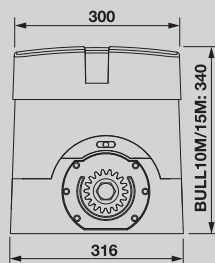
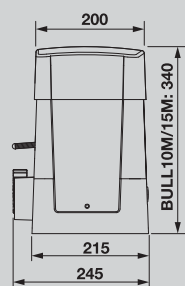
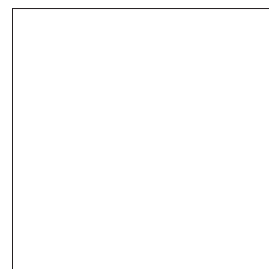
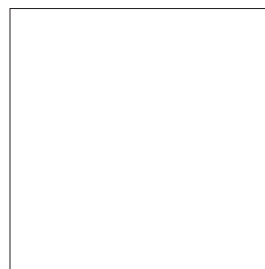
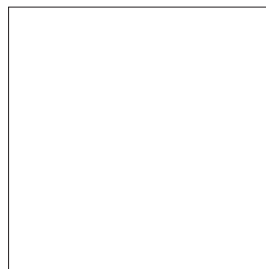


M6 gear, It needs the rack
RI.M6Z

BULL.PI



Higher foundation plate



TECHNICAL DATA	BULL10M	BULL15M
Power supply	230Vac	230Vac
Motor supply	230Vac	230Vac
Absorbed Power	300 W	420 W
Max. absorbed current	1,8 A	2,5 A
Torque	40 Nm	50 Nm
Opening speed	10,5 m/min	10,5 m/min
Operation cycle	40 %	40%
Protection level	IP 44	IP 44
Operating temp.	-20°C / +70°C	-20°C / +70°C
Max gate weight	1000 kg	1500 kg
Lubrication	grease	grease
Driving gear for rack	M4	M4
Weight	15,5 kg	16,3 kg
Items no. per pallet	20	20

RI.SF



Outdoor wire unlock system for gates without pedestrian entrance

MLS



Magnetic limit switches for BULL10M/15M
Suitable for snowy places

DA.2S



Electronic module which allows the synchronized movement of two gates

PUPILLA.B

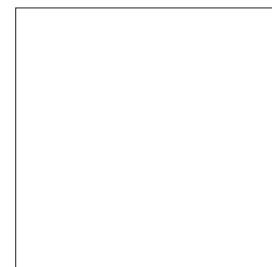
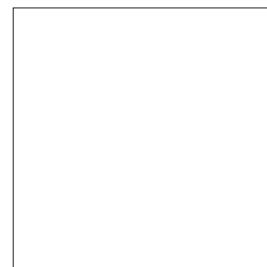
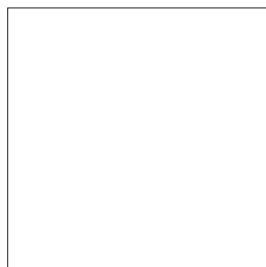
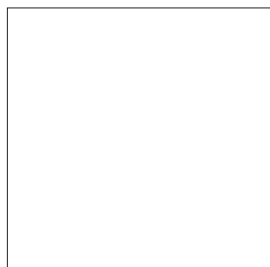
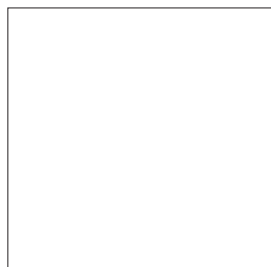


Pair of photocells with battery powered transmitter, recharging system by means of photovoltaic panel. Transmission of controls also on moving gates and even on installations that do not have incorporated safety devices.
Technical features on page 213

ID.TA



Aluminium warning board
Available in different languages



SAFETY DEVICES on page 218

SETS AVAILABLE

KBULL10M 20 Sets per pallet

KBULL15M 20 Sets per pallet

p. 222 / 228



AUTOMATIONS FOR **SLIDING GATES**

up to 2000 kg

BULL20M supplied with control unit and integrated receiver

BULL20T without control panel



Self-ventilated versions



Magnetic limit switches
are available as accessory

BULL20M/ BULL20T



INDUSTRIAL USE

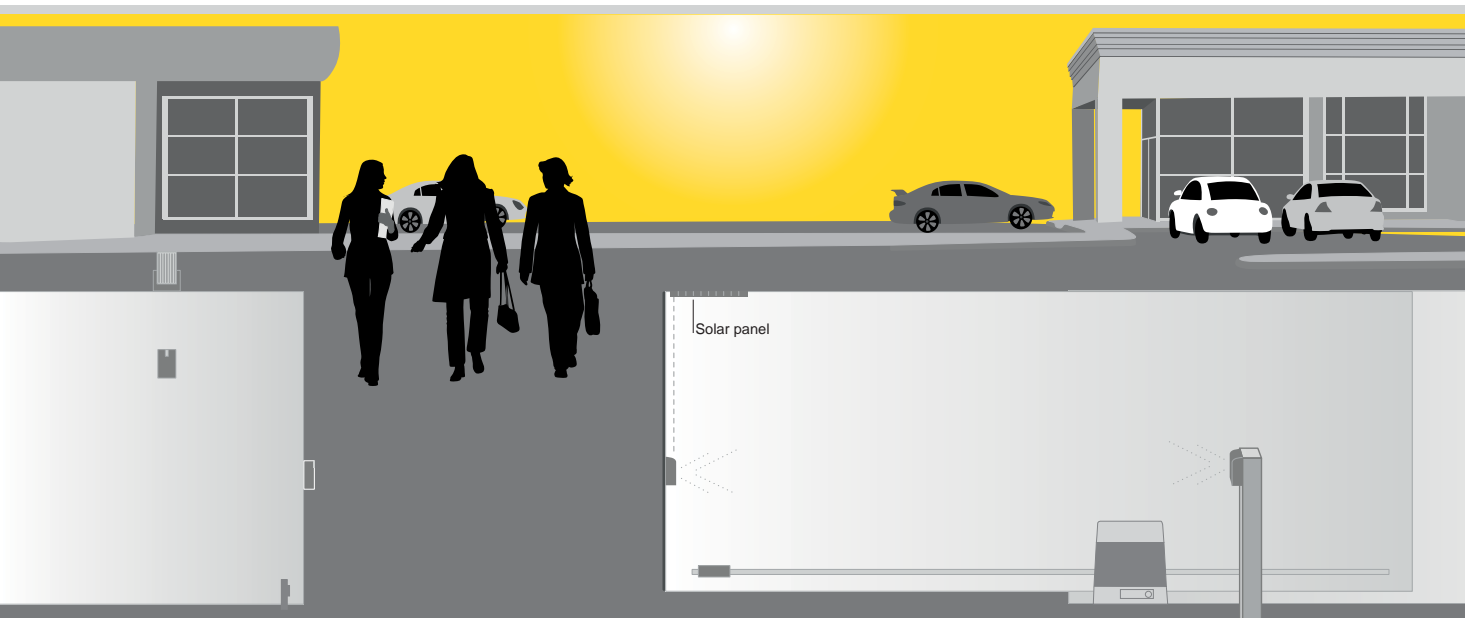
SINGLE-PHASE

- 230 Vac single-phase operator with built-in control panel and receiver
- Self-ventilated version equipped with encoder
- Magnetic limit switches are available as accessory
- Control unit with electronic braking

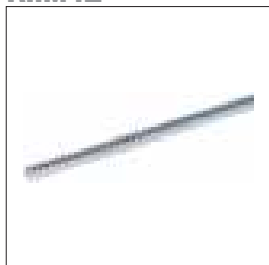
THREE-PHASE

- Self-ventilated operator with external control unit
- Operator equipped with electric brake

**Equipped with
foundation plate**

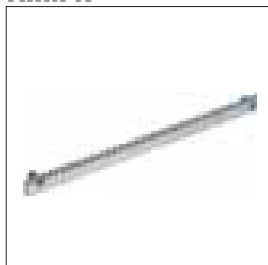


RI.M4Z



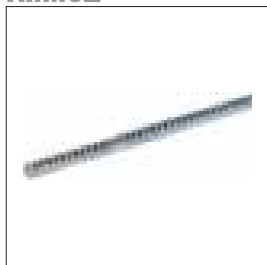
M4 galvanized rack
(22x22x2000 mm)
Packaging: 2 pcs

RI.M4F



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

RI.M6Z



M6 galvanized rack
(30x30x2000 mm)

RI.P6

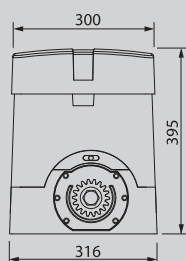
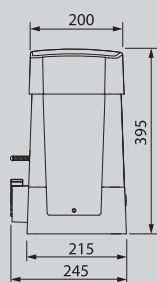
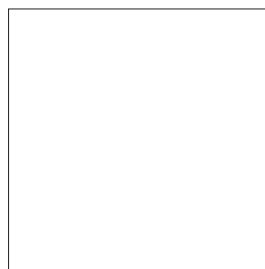
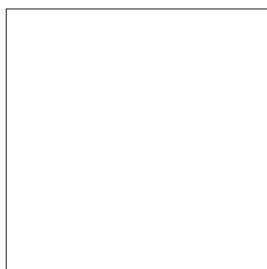
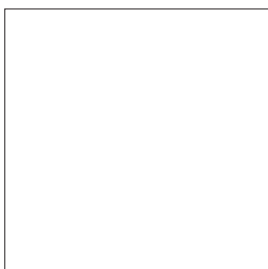
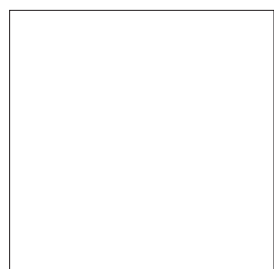


M6 gear, It needs the rack
RI.M6Z

BULL.PI



Higher foundation plate



TECHNICAL DATA	BULL20M	BULL20T
Power supply	230 Vac	400 Vac
Motor supply	230 Vac	400 Vac
Absorbed Power	480W	600 W
Max. absorbed current	3,0 A	1,6 A
Torque	55 Nm	60 Nm
Opening speed	10,5 m/min	10,5 m/min
Operation cycle	40 %	60 %
Protection level	IP 44	IP 44
Operating temp.	-20°C / +70°C	-20°C / +70°C
Lubrication	grease	grease
Max gate weight	2000 kg	2000 kg
Driving gear for rack	M4	M4
Weight	17 kg	18 kg
Items no. per pallet	20	20

MLS



Magnetic limit switches for BULL20M/20T
Suitable for snowy places

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 150

PUPILLA.B



Pair of photocells with battery powered transmitter, recharging system by means of photovoltaic panel. Transmission of controls also on moving gates and even on installations that do not have incorporated safety devices.
Technical features on page 213

SAFETY DEVICES on page 218

AUTOMATIONS FOR **SLIDING GATES**

up to 300 kg

supplied with control unit and integrated receiver



Easy to use unlock device
with personalized key



Magnetic limit switches are
available as accessory



Control panel with integrated
two-channel receiver

MS3/MS324 available as from 31/12/2008.
Until that date, the products MS4/ MS424 will be sold while stocks last.

MS3 MS324



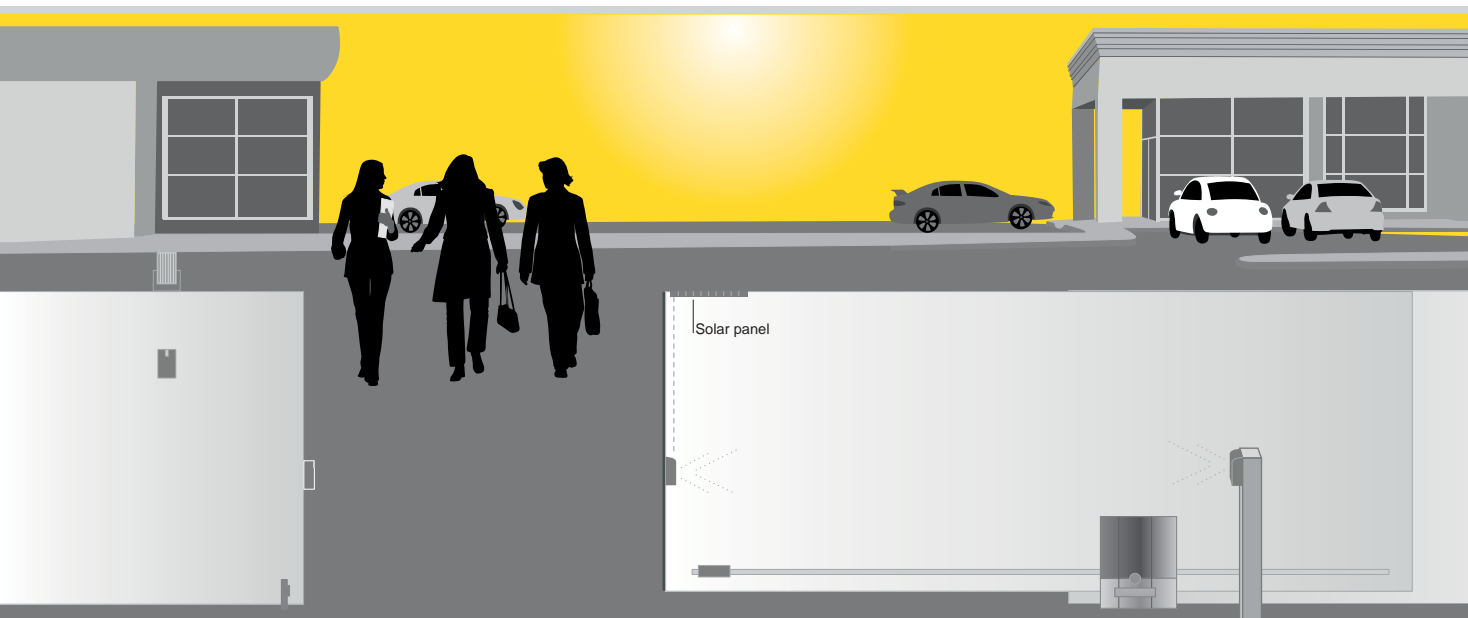
RESIDENTIAL USE

- Self locking electromechanical operator suitable for residential use
- Unlock device fast and easy to use
 - Vertical and horizontal fixing positions adjustable
 - Easy to wire thanks to the pull-out terminals
- Prepared for encoder device
- Magnetic limit switches are available as accessory

24 Vdc

- 24 Vdc irreversible electromechanical operator suitable for intensive use
- Amperometric anticrushing control and built-in encoder device on the electric motor
- Prepared for battery back-up system

**Equipped with
foundation plate**

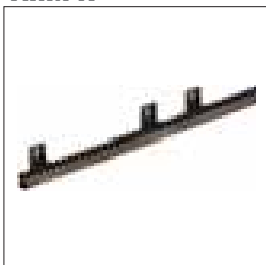


RI.M4Z



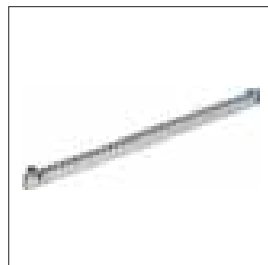
M4 galvanized rack
(22x22x2000 mm)
Packaging: 2 pcs

RI.M4P



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

RI.M4F



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

RI.SF

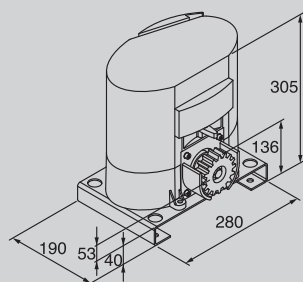
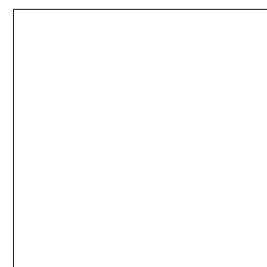
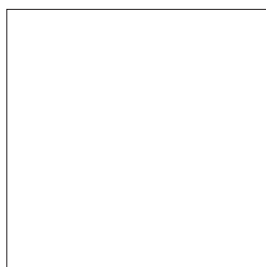
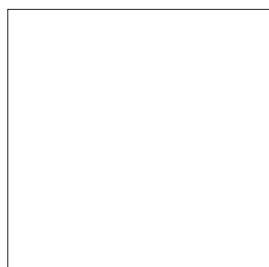


Outdoor wire unlock system
for gates without pedestrian
entrance

MS.E



Optical reader device for
the detection of obstacles
and slowing down function
adjustment



TECHNICAL DATA	MS3	MS324
Power supply	230 Vac	230 Vac
Motor supply	230 Vac	24 Vdc
Absorbed Power	170 W	100 W
Max. absorbed current	0,85 A	4 A
Torque	15 Nm	20 Nm
Opening speed	11 m/min	13÷17 m/min
Operation cycle	30 %	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C/+70°C	-20°C/+70°C
Lubrication	grease	grease
Max gate weight	300 Kg	300 Kg
Driving gear for rack	M4	M4
Weight	10 Kg	10 Kg
Items no. per pallet	42	42

MLS



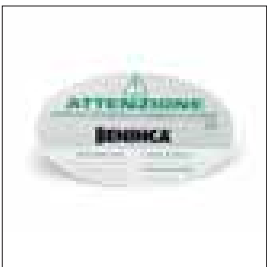
Magnetic limit switches for MS3/MS324
Suitable for snowy places

DA.2S



Electronic module which allows the synchronized movement of two gates

ID.TA



Aluminium warning board
Available in different languages

PUPILLA.B



Pair of photocells with battery powered transmitter, recharging system by means of photovoltaic panel. Transmission of controls also on moving gates and even on installations that do not have incorporated safety devices. Technical features on page 213

SAFETY DEVICES on page 218

SETS AVAILABLE

KS3	36 Sets per pallet
KS324	36 Sets per pallet

p. 222 / 228



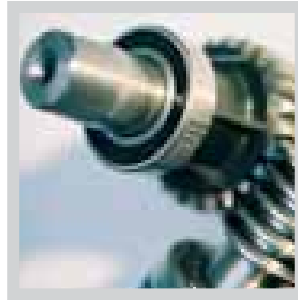
AUTOMATIONS FOR **SLIDING GATES**

up to 600 kg

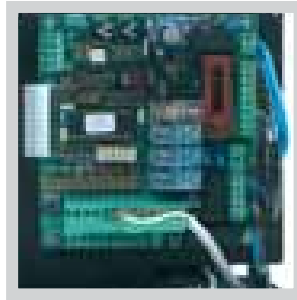
with built-in control panel, plug-in for receiver (page 165)



Easy to use unlock device



The high quality of the components assures a long life of the product and a silent movement



Built-in electronic control panel to allow more efficiency in installation

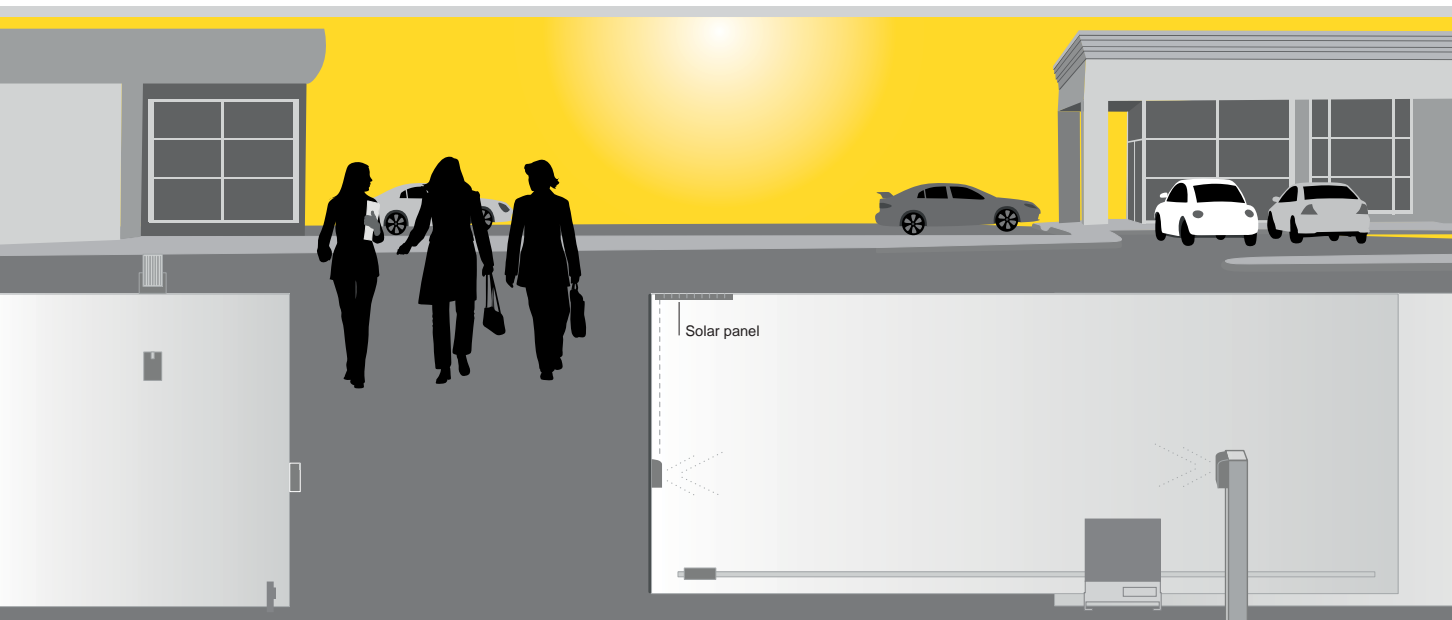
RI.6E



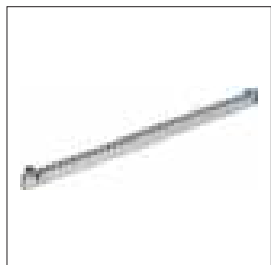
RESIDENTIAL USE

- Self-locking electromechanical operator, suitable for residential use
- All the versions are equipped with control panel and pre-wired limit switches
- Reduction unit submerged in oil

**Equipped with
foundation plate**

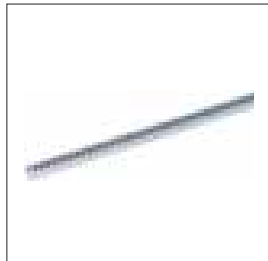


RI.M4F



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

RI.SF

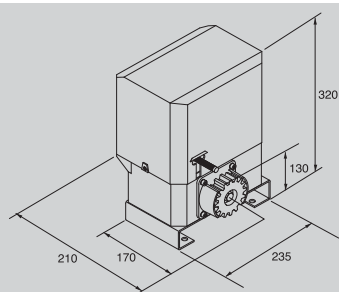
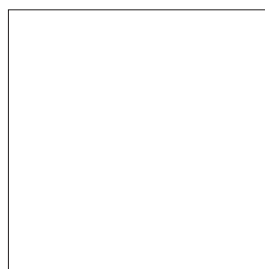
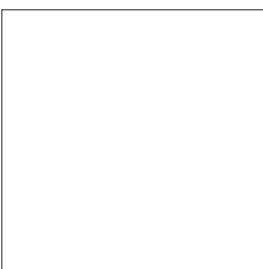


Outdoor wire unlock system for gates without pedestrian entrance

DA.2S



Electronic module which allows the synchronized movement of two gates

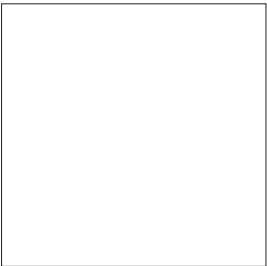


TECHNICAL DATA	RI.6E
Power supply	230 Vac
Motor supply	230 Vac
Absorbed Power	280 W
Max. absorbed current	1,6 A
Torque	36 Nm
Opening speed	8,48 m/min
Operation cycle	40 %
Protection level	IP 44
Operating temp.	-20°C/+70°C
Lubrication	Oil
Max gate weight	600 Kg
Weight	13 Kg
Driving gear for rack	M4
Items no. per pallet	36

PUPILLA.B



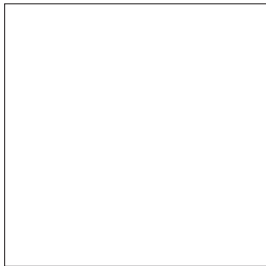
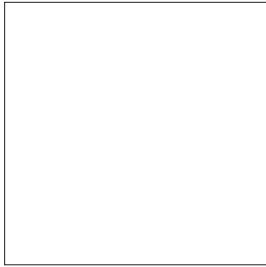
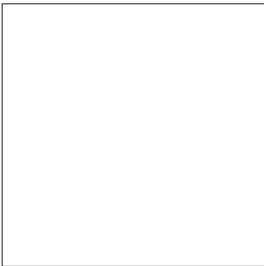
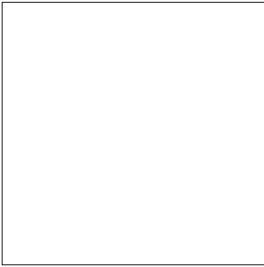
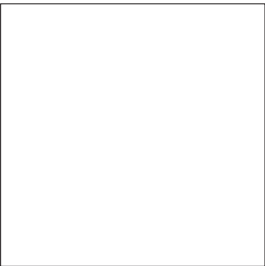
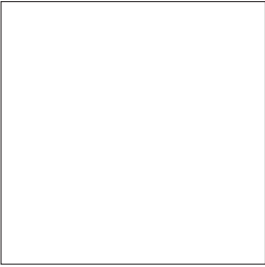
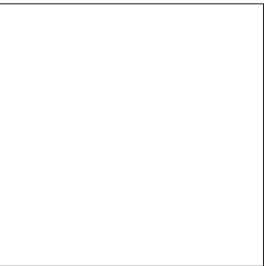
Pair of photocells with battery powered transmitter, recharging system by means of photovoltaic panel. Transmission of controls also on moving gates and even on installations that do not have incorporated safety devices. Technical features on page 213



ID.TA



Aluminium warning board Available in different languages



SAFETY DEVICES on page 218

SETS AVAILABLE

RI. 1NA 36 Sets per pallet

p. 222



AUTOMATIONS FOR **SLIDING GATES**

up to 1500 kg / 2000 Kg

with separated control panel



Self-ventilated and self-braking automation to get a higher duty rating



Easyness of installation thanks to the handy and protected external fixing way



Easy to use unlock device

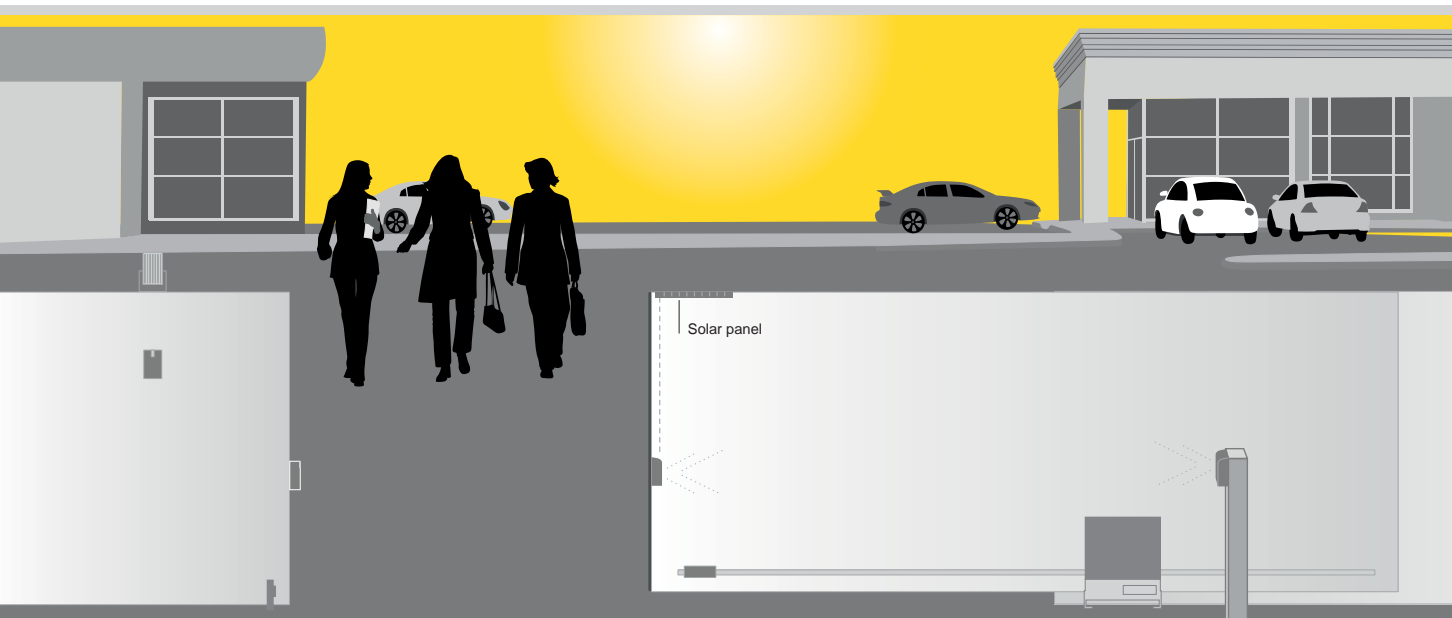
RI.15M/RI.15T RI.20T



INDUSTRIAL USE

- Self-locking electromechanical operator for industrial use
- Self-ventilated motor for a higher duty rating
- Reduction components made of steel for a longer life and silent movement
 - Equipped with electric brake for reducing the inertia of the gate
 - Oil lubrication for a longer life and a higher duty rating

**Equipped with
foundation plate**



RI.M4F



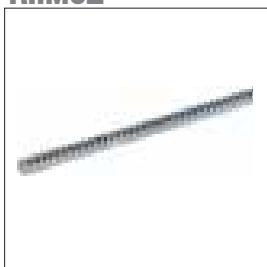
M4 galvanized rack with slots and screws (30x12x1000 mm)
Packaging: 4 pcs

RI.M4Z



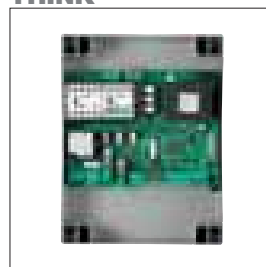
M4 galvanized rack (22x22x2000 mm)
Packaging: 2 pcs

RI.M6Z



M6 galvanized rack (30x30x2000 mm) for RI.20T

THINK

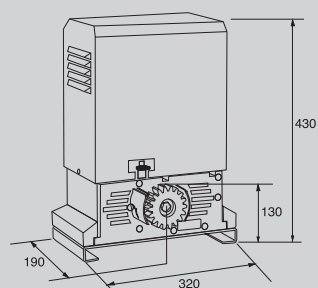
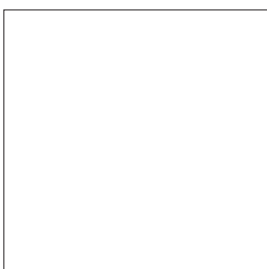


Control panel suitable for one 230Vac single phase operator up to 1500W or 400Vac 3-phases operator up to 2.200W. Built-in display for programming the functions. It is prepared with a plug-in connection for radio receiver
Technical features on page 150

MATRIX



Control panel up to 500W. All the parameters can be adjusted through digital display
Technical features on page 146



TECHNICAL DATA	RI.15M	RI.15T	RI.20T
Power supply	230 Vac	400 Vac	400 Vac
Motor supply	230 Vac	400 Vac	400 Vac
Absorbed Power	500 W	500 W	750 W
Max. absorbed current	2,5 A	1,4 A	2,5 A
Torque	55 Nm	55 Nm	80 Nm
Opening speed	10,5 m/min	10,5 m/min	10,5 m/min
Operation cycle	40%	60%	60%
Protection level	IP 44	IP 44	IP 44
Operating temp.	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C
Lubrication	Oil	Oil	Oil
Max gate weight	1500 Kg	1500 Kg	2000 Kg
Weight	26 Kg	26 Kg	28 Kg
Driving gear for rack	M4	M4	M6
Items no. per pallet	24	24	24

DA.2S



Electronic module which allows the synchronized movement of two gates

PUPILLA.B



Pair of photocells with battery powered transmitter, recharging system by means of photovoltaic panel. Transmission of controls also on moving gates and even on installations that do not have incorporated safety devices. Technical features on page 213

ID.TA



Aluminium warning board
Available in different languages

SAFETY DEVICES on page 218



				items	complete set of automations
Residential Use	counterweight garage doors	ZED	230 Vac	ZED / ZED SC / ZED L / ZED LSC	KZED
			24 Vdc intensive use	ZED24 / ZED24SC	
	sectional garage doors	AU96	230 Vac	AU.96C / AU.96 / AU.96LC	
		KEN	24 Vdc / 800 N intensive use	KEN3.RI	
			24 Vdc / 800 N intensive use	KEN	
			24 Vdc / 1200 N intensive use	KEN4.RI	
	sectional garage doors	JIM	24 Vdc / 600 N intensive use	JM.3	
			24 Vdc / 1200 N intensive use	JM.4	

AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

items

Industrial Use

sectional doors	VN.S	230 Vac	VN.S20 / VN.S40
		400 Vac	VN.ST20 / VN.ST40
folding /sliding doors	VN.S	230 Vac	VN.S40V
unbalanced rolling shutter	PS.13	400 Vac	PS.13TC
sectional / unbalanced rolling shutter	VN.M	230 Vac	VN.M20 / VN.M40
		400 Vac	VN.MT20 / VN.MT40 / VN.MT40V
two wings folding doors	VN.45	230 Vac	VN.45E
		24 Vdc intensive use	VN.45E24

AUTOMATIONS FOR **GARAGE & INDUSTRIAL DOORS**



Strong and reliable
reduction unit made
of high quality materials



Handy and safe indoor and
outdoor unlock device

Designed to comply with European safety standards.

ZED ZED24



RESIDENTIAL USE

- Self-locking electromechanical operator for counterweight overhead garage doors, residential use up to 12 sqm
- Innovative and modern design
- With or without control panel
 - Courtesy light integrated in the plastic cover
- Limit switches and push-buttons included
- IP44 versions on request

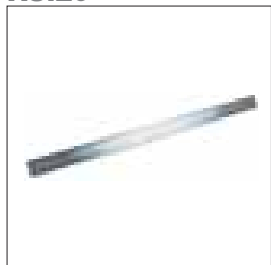
24 Vdc

- 24Vdc self-locking electromechanical operator for counterweight overhead garage doors, for intensive use up to 12 sqm
- With or without control panel
- Prepared for battery back-up system
- Amperometric anticrushing control

Mounting plate is not included



AU.125 AU.20



1.250 mm. Mounting plate
1.950 mm. Mounting plate

AU.65



650 mm. Mounting plate

AU2.45T



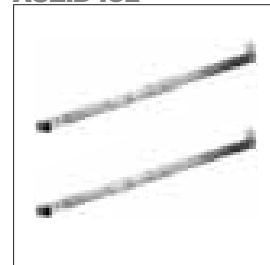
Pair of galvanized pipes
150 mm. long, with fitting
accessories and bush,
(for lateral mounting)

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 with bush,
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

ZED.MS



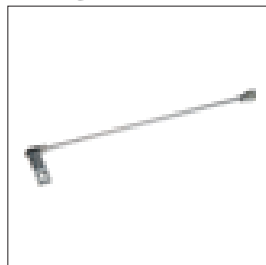
Wire manual unlock device
for ZED/SC/L/LSC/24/24SC

ZED.E



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

ZED.SE



Outdoor unlock device
(for central mounting)

ID.TA

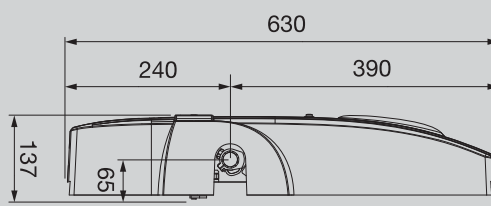
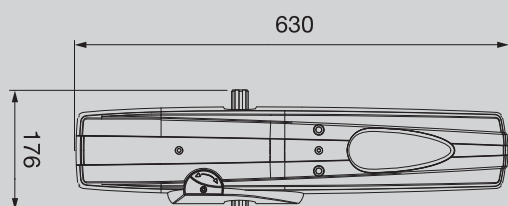


Aluminium warning board
Available in different languages

LOGICA230.RI

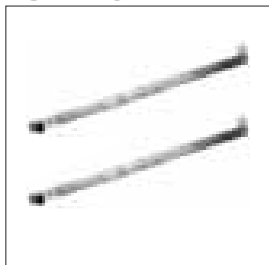


230 Vac control unit with built-
in receiver for ZED SC/LSC
Technical features on page 144



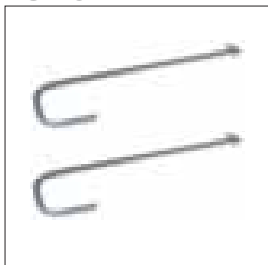
TECHNICAL DATA	ZED.RI	ZED SC	ZED L.RI	ZED LSC	ZED24.RI	ZED24.SC
Power supply	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	230 Vac	230 Vac	24 Vdc	24 Vdc
Absorbed Power	170 W	170 W	170 W	170 W	120 W	120 W
Max. absorbed current	0,85 A	0,85 A	0,85 A	0,85 A	6 A	6 A
Torque	480 Nm	480 Nm	480 Nm	480 Nm	350 Nm	350 Nm
Opening time	10"	10"	16"	16"	9"/12"/15"	9"/12"/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 / +70°C	-20°C / +70°C	-20°C / +70°C	-20°C / +70°C	-20°C / +70°C	-20°C / +70°C
Lubrication	grease	grease	grease	grease	grease	grease
Max door surface	12 sqm/max	12 sqm/max	12 sqm/max	12 sqm/max	12 sqm/max	12 sqm/max
Built in receiver	yes	no	yes	no	yes	no
Built in control unit	yes	no	yes	no	yes	no
Weight	10 kg	10 kg	10 kg	10 kg	10 kg	10 kg
Items no. per pallet	50	50	50	50	50	50

AU2.DNS



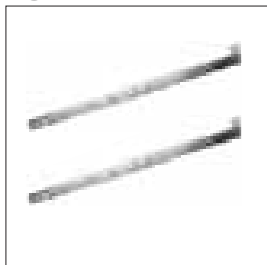
Pair of straight galvanized arms with bush and fitting accessories (L= 600 mm)
Welding is not needed (for central mounting)

AU2.C



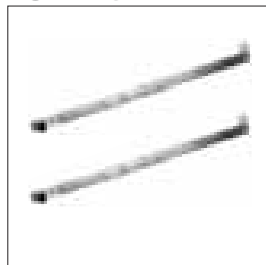
Pair of bent galvanized arms, complete with fitting accessories

AU2.D



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

AU2.D45



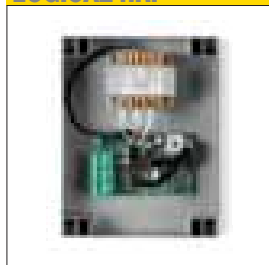
Pair of straight galvanized arms, with welded bush, complete with fitting accessories (L=600 mm)

AU.45B



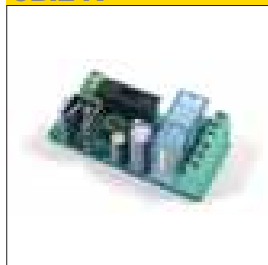
Bush

LOGICA24.RI



24 Vdc control unit with built-in receiver for ZED24SC/LSC
Technical features on page 154

CB.24V



Battery charger card

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 6Ah 12 VDC Battery

LB



Standard box for control units.
Protection level IP 55

APPLE.2 APPLE.4



433,92 Mhz rolling-code transmitter, 2 or 4 channels.
with a surface mounting holder

SETS AVAILABLE

KZED 24 Sets per pallet

p. 222



AUTOMATIONS FOR **GARAGE & INDUSTRIAL DOORS**

with separated control panel



Components of high technical value to ensure maximum duration and silent operation



Easy to use unlock lever

Designed to comply with European safety standards

AU.96



RESIDENTIAL USE

- Self-locking electromechanical operator suitable for counterweights garage doors up to 12 sqm
- Equipped with limit switches
- Mechanical components all made of steel in order to assure solidity and a long life of the product

Equipped with mounting plate



AU2.45T



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

AU.45Z AU.45ZL



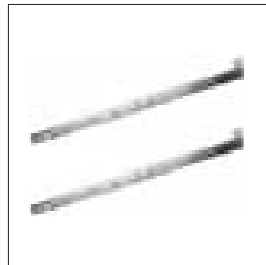
Pair of galvanized pipes with bush, 1.500 mm (AU.45). long L. 2.000 mm (AU.45ZL) complete with fitting accessories (for central mounting)

AU.45B



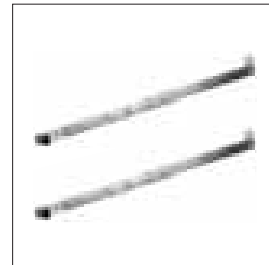
Bush

AU2.D



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

AU2.D45



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

DU.MS45



Outdoor unlock device for AU.96/L/24

AU.MS96



Outdoor unlock device for AU.96.

AU.E



External unlock device (to be used on lateral mounting)

ID.TA

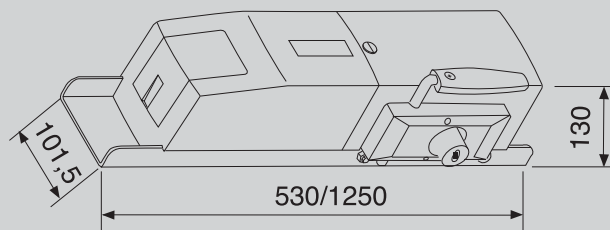


Aluminium warning board Available in different languages

LOGICA230.RI

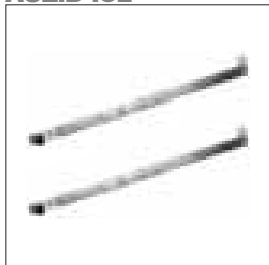


230 Vac control unit with built-in receiver for AU SC/LSC Technical features on page 144



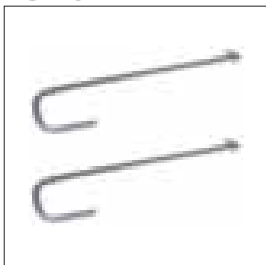
TECHNICAL DATA	AU.96	AU.96C	AU.96LC
Power supply	230 Vac	230 Vac	230 Vac
Motor supply	230 Vac	230 Vac	230 Vac
Absorbed Power	170 W	170 W	170 W
Max. absorbed current	0,85 A	0,85 A	0,85 A
Torque	480 Nm	480 Nm	480 Nm
Opening time	10"	10"	16"
Operation cycle	30%	30%	30%
Protection level	IP 40	IP 40	IP 40
Operating temp.	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C
Lubrication	grease	grease	grease
Mounting plate	1250 mm	600 mm	600 mm
Max door surface	12 sqm/max	12 sqm/max	12 sqm/max
Weight	13 Kg	13 Kg	13 Kg
Items no. per pallet	25	48	48

AU2.D45L



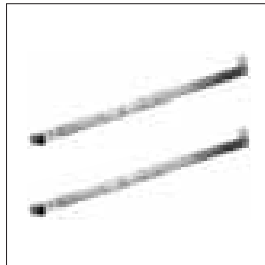
Pair of straight galvanized arms, with welded bush, complete with fitting accessories L=2000 mm

AU2.C



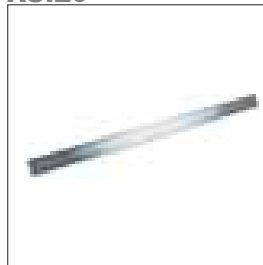
Pair of bent galvanized arms, complete of fitting accessories

AU2.DNS



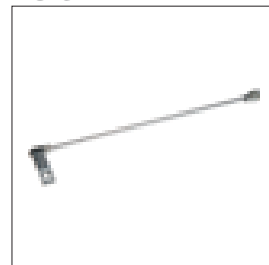
Pair of straight galvanized arms with bush and fitting accessories (L= 600 mm)
Welding is not needed (for central mounting)

AU.20



1.950 mm. Mounting plate

AU.SE

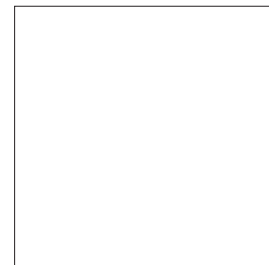
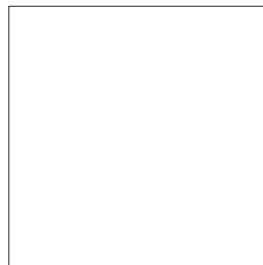
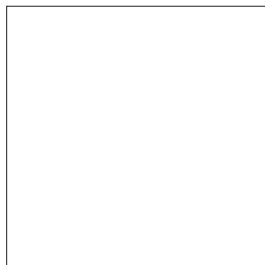
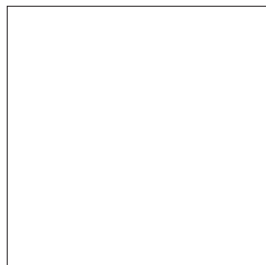


External unlock device It is connected to the door handle (for central mounting)

APPLE.2 APPLE.4



433,92 Mhz rolling-code transmitter, 2 or 4 channels.
It with a surface mounting holder



AUTOMATIONS FOR **GARAGE & INDUSTRIAL DOORS**

supplied with control unit with integrated receiver



Pre-assembled belt drive for a faster installation, allows silent running



Fast and easy unlock device



Control panel and radio receiver included

Designed to comply with European safety standards.

versions available:

- **JM.3:** Operator with 600 N thrust, electronic control panel easy to adjust with trimmer and dip switches.
- **JM.4:** Operator with 1200 N thrust, electronic control panel with integrated programming display with easy interface system. Multiple operating logics and innovative thrust self learning system. Cycle counter

JIM

RESIDENTIAL **USE** BELT DRIVE

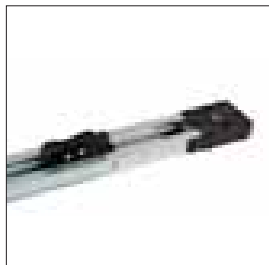
- 24 Vdc self-locking electromechanical operator for residential sectional garage doors
 - Encoder device for the detection of obstacles integrated in the control panel
 - Adjustable stroke by mechanical limits stop
 - Integrated courtesy light
- Operation continuity guaranteed in case of power failure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

RAIL IS NOT INCLUDED
1 TO.GO2WV included





PTCI.3



Pre-assembled track with belt for doors up to H 2.5 m., internal, (for model JM.3 only), Single piece 3 m long

PTC.3



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

PTC.4



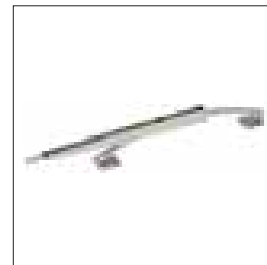
Pre-assembled track with belt for doors up to H 2.5 m. (for model JM.4 only), Two pieces 1,5 m each

PTCL.4

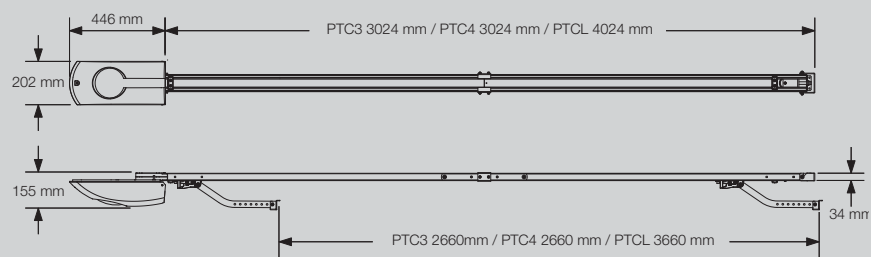
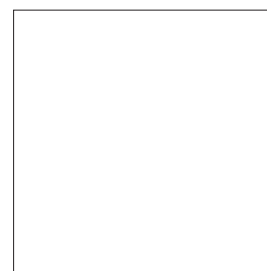
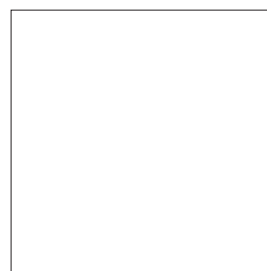
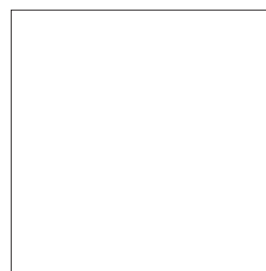
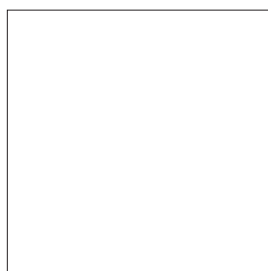
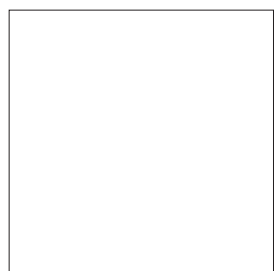


Pre-assembled track with belt for doors up to H 3.5 m. (for model JM.3/JIM.4 only), Two pieces 2 m each

AU.C25

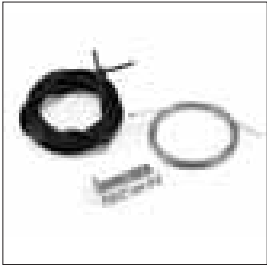


Swaying arm for counterweight balanced doors



TECHNICAL DATA	JM.3	JM.4
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Absorbed Power	140 W	220 W
Max. absorbed current	1,0 A	1,5 A
Thrust	600 N	1200 N
Opening speed	13.1 m/1' - 9.8 m/1'	8.2 m/1' - 6.5 m/1'
Operation cycle	intensive use	intensive use
Protection level	IP 40	IP 40
Limit switch	electronic with encoder	electronic with encoder
Operating temp.	-20°C/+70°C	-20°C/+70°C
Rail	PTC.3	PTC.4
Receiver	built in	built in
Transmitter	1 TO.GO 2WW	1 TO.GO 2WW
Weight	5,9 Kg	7,6 Kg
Items no. per pallet	50	50

JM.SF



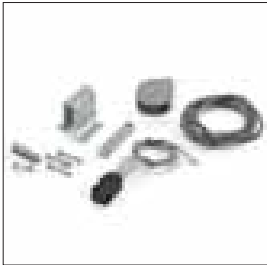
Wire unlock device

AU.MS60



Handle for manual unlock.
Door max thickness 50 mm

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

JM.CB

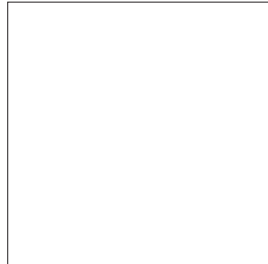
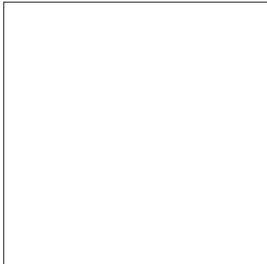
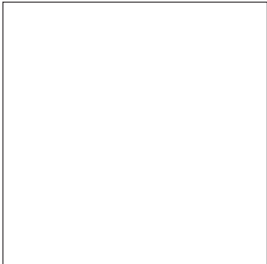


Accessory for JM3/4 control
panel composed of battery
charger card and 1,2Ah batteries
with support. This accessory
allows the automatic use of the
door even in case of power failure

APPLE.2
APPLE.4

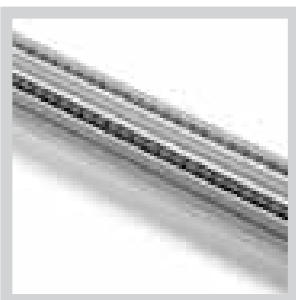


433,92 Mhz rolling code
transmitter, 2 or 4 channels. It with
surface mounting holder



AUTOMATIONS FOR **GARAGE & INDUSTRIAL DOORS**

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



Designed to comply with European safety standards.

Versions Available

- **KEN:** Operator 800 N with two limit switches with cams positioned on the chain. Control panel with basic functions
- **KEN3.RI:** Operator 800 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

KEN

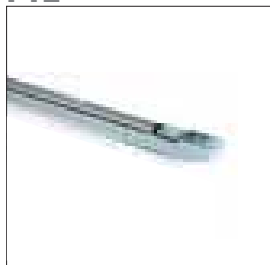
RESIDENTIAL **USE** CHAIN DRIVE

- 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

RAIL IS NOT INCLUDED
1 TO.GO2WV included



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



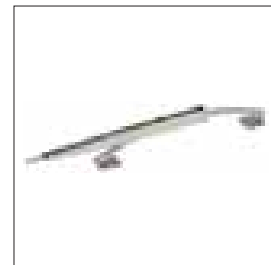
Pre-assembled track in two pieces chain drive, suitable for sectional doors up to 3,5m. height
Two pieces 1,87 m each

PE

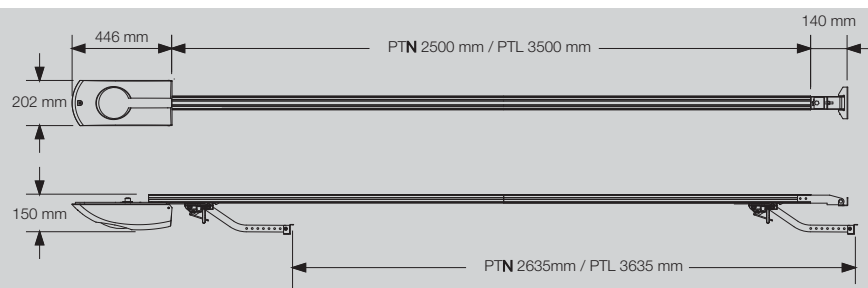
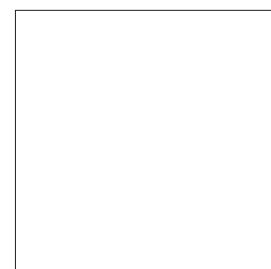
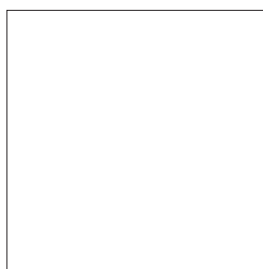
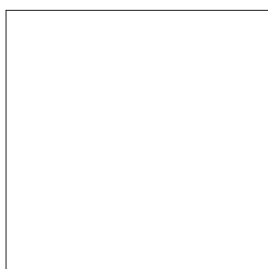
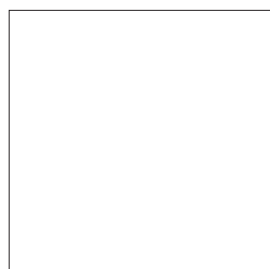
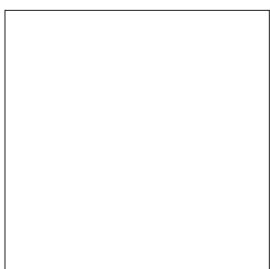


Package with two extensions
L=1,37m for PTN

AU.C25



Swaying arm for counterweight balanced doors



TECHNICAL DATA	KEN3.RI	KEN4.RI	KEN
Power supply	230 Vac	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc	24 Vdc
Absorbed Power	140 W	220 W	160 W
Max. absorbed current	1,0 A	1,5 A	1,2 A
Thrust	800 N	1200 N	800 N
Opening speed	8.0 m/1' - 5.1 m/1'	8.0 m/1' - 6.0 m/1'	9.0 m/1' - 6.0 m/1'
Operation cycle	intensive use	intensive use	intensive use
Protection level	IP 40	IP 40	IP 40
Mechanical stops	double microm.	double microm.	standard
Operating temp.	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C
Rail	PTN/PTL	PTN/PTL	PTE/PTL
Receiver	built in	built in	built in
Transmitter	1 TO.GO2WW	1 TO.GO2WW	1 TO.GO2WW
Weight	5,9 Kg	7,6 Kg	5,9 Kg
Items no. per pallet	50	50	50

AU.MS25



Wires for AU.MS60 or other handles

AU.MS60



Handle for manual release.
Door max thickness 50 mm

AU.SC



Automatic unlock system
with metal wire for side bolts
of spring balanced overhead
garage doors

ID.TA

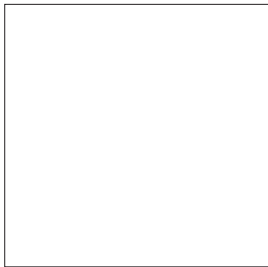
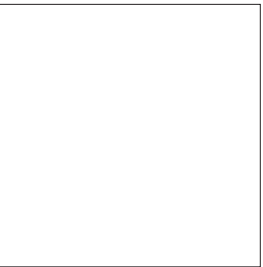
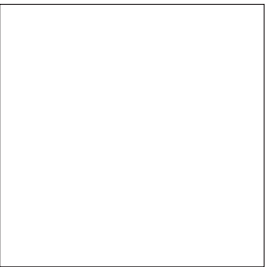
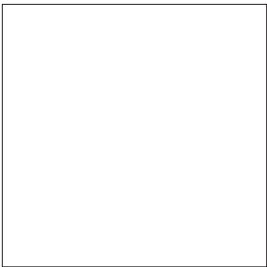
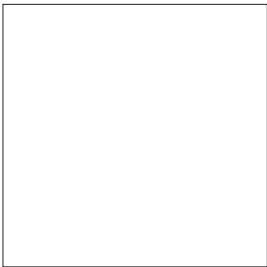


Aluminium warning board
Available in different languages

**APPLE.2
APPLE.4**



Key pad 433,92 Mhz rolling-code transmitter, 2 or 4 channels.
with surface mounting holder.



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

TECHNICAL DATA	VN.S20	VN.S40	VN.ST20	VN.ST40
Motor supply	230 Vac	230 Vac	400 Vac	400 Vac
Absorbed Power	600 W	600 W	700 W	700 W
Max. absorbed current	3 A	3 A	1,7 A	1,7 A
Torque	90 Nm	90 Nm	105 Nm	105 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. radio	1/20	1/40	1/20	1/40
Operation cycle	40%	40%	50%	50%
Protection level	IP 40	IP 40	IP 40	IP 40
Operating temp.	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C
Lubrication	Oil	Oil	Oil	Oil
Weight	15 Kg	15 Kg	15 Kg	15 Kg
Items no. per pallet	48	48	48	48

VN.S20



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 brass 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 98**

AUTOMATIONS FOR GARAGE & INDUSTRIAL DOORS

with separated control panel



Control panel available separately



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

TECHNICAL DATA	VN.M20	VN.M40	VN.MT20	VN.MT40
Motor supply	230 Vac	230 Vac	400 Vac	400 Vac
Absorbed Power	600 W	600 W	700 W	700 W
Max. absorbed current	3 A	3 A	1,7 A	1,7 A
Torque	90 Nm	90 Nm	105 Nm	105 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. radio	1/20	1/40	1/20	1/40
Operation cycle	40%	40%	50%	50%
Protection level	IP 40	IP 40	IP 40	IP 40
Operating temp.	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C	-20°C/+70°C
Lubrication	Oil	Oil	Oil	Oil
Weight	15 Kg	15 Kg	15 Kg	15 Kg
Items no. per pallet	48	48	48	48

VN.M20



INDUSTRIAL USE

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

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

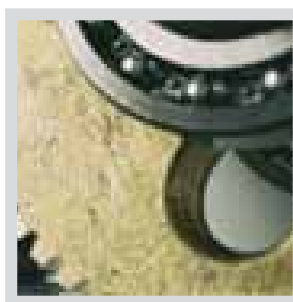
**Accessories and installation
drawing on page 98**

AUTOMATIONS FOR **GARAGE & INDUSTRIAL DOORS**

with separated control panel



Operator with electric
brake



Reduction unit made of brass
gear

TECHNICAL DATA

VN.MT40V

Motor supply	400 Vac
Absorbed Power	900 W
Max. absorbed current	2,2 A
Torque	185 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/+70°C
Lubrication	Oil
Weight	22,5 Kg
Items no. per pallet	30

VN.MT40V



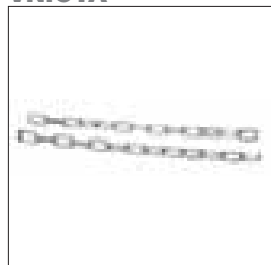
INDUSTRIAL USE

- Self-locking electromechanical operator for big industrial doors and small unbalanced rolling shutters. Equipped with manual chain-drive system
- Reduction unit submerged in oil, warm shaft made of tempered steel and brass gear
- Functional good looks and dimensions that allow installation in the most difficult places
- Control panel available separately

**Accessories and installation
drawing on page 98**



VN.CTA



Chain extension for VN.M

VN.A30



Shaft adapter Ø 30 mm

VN.A3175



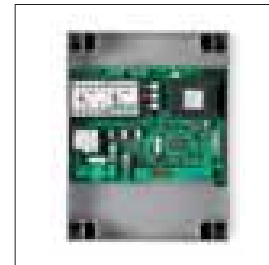
Shaft adapter Ø 31,75 mm

VN.A40



Shaft adapter Ø 31,75 mm

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 150

START

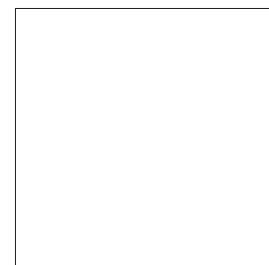
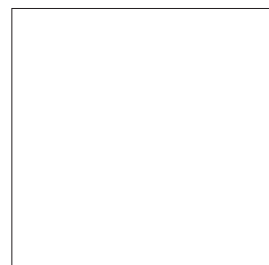
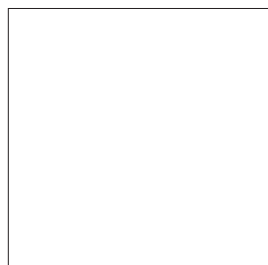


Control panel suitable for one 230Vac single phase operator up to 1000W or 400Vac 3 phases operator up to 2.200W. "Deadman" functions. Technical features on page 152

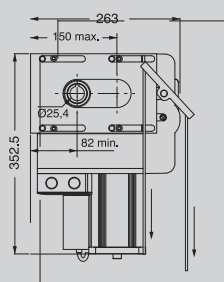
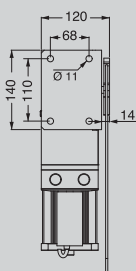
BRAIN.P



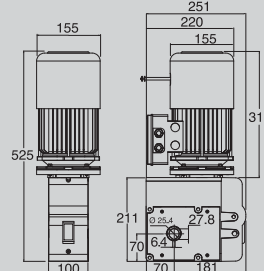
230Vac control panel for 1 or 2 operators for swinging, sliding or industrial doors. Built - in display, multiple operating logics. Plug-in radio receiver available. Cycle counter. Technical features on page 144



VN.S20 / VN.M20



VN.MT40V



VN.RV



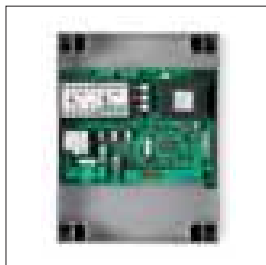
Transmission set 1:1.8 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and 138.4 mm and chain L = 1 m

VN.RM



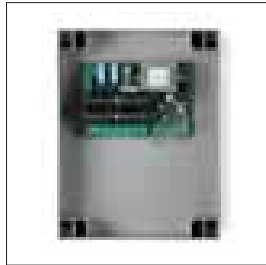
Transmission set 1:1 for 1" shaft (25.4 mm) composed of two gears with external diameter 78 mm and chain L = 1 m

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 150

START



Control panel suitable for one 230Vac single phase operator up to 1000W or 400Vac 3-phases operator up to 2.200W. "Deadman" functions. Technical features on page 152

BRAIN.P



230Vac control panel for 1 or 2 operators for swinging, sliding or industrial doors. Built in display, multiple operating logics. Plug-in radio receiver available. Cycle counter. Technical features on page 144

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

TECHNICAL DATA

VN.S40V

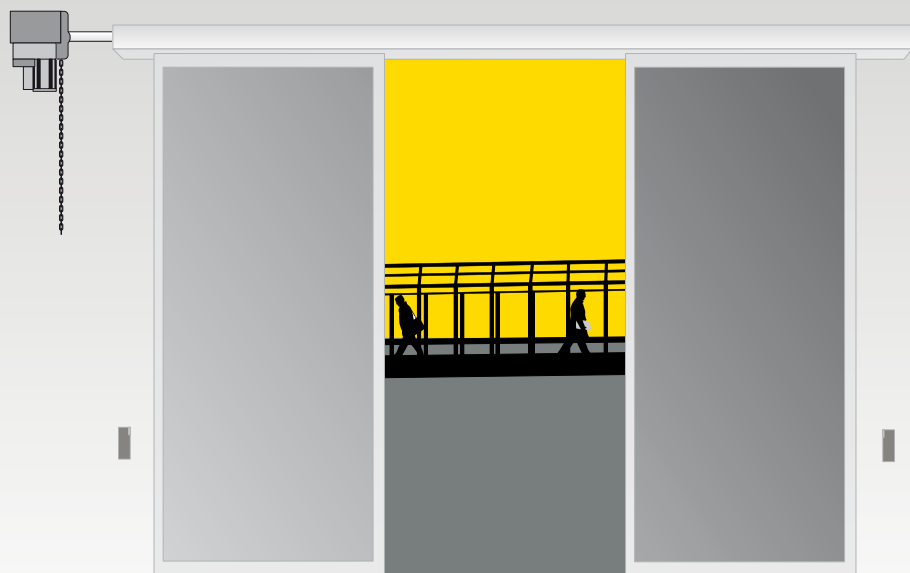
Motor supply	230 Vac
Absorbed Power	550 W
Max. absorbed current	3 A
Torque	45 Nm
Output speed	48 r.p.m.
Shaft Hole	1" (25,4 mm)
Limit switch red. ratio	1/40
Operation cycle	intensive use
Protection level	IP 40
Operating temp.	-20°C/+70°C
Lubrication	Oil
Weight	15 Kg
Items no. per pallet	48

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 brass 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

VN.CT



1/2" chain. Packing 5m

VN.GT



Joint for chain VN.CT

VN.T



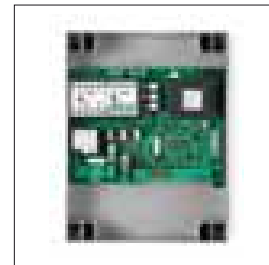
Chain tightener

VN.S



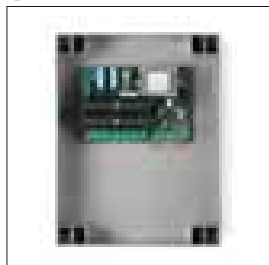
Door fitting brackets for VN.T

THINK



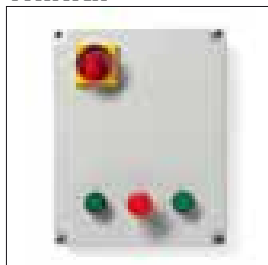
Control panel suitable for one 230Vac single phase operator up to 1500W or 400Vac 3-phases operator up to 2.200W. Built-in display for programming the functions. Technical features on page 150

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 152

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 151

BRAIN.P

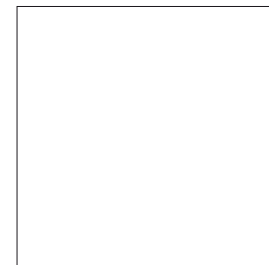


230Vac control panel for 1 or 2 operators for swinging, sliding or industrial doors. Built-in display, multiple operating logics. Plug-in radio receiver available. Cycle counter. Technical features on page 144

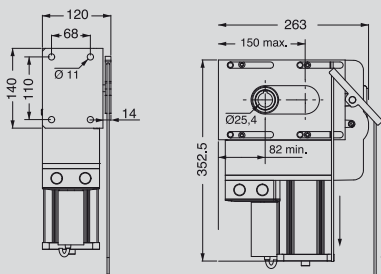
THINK.P



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 151



VN.S40V





VN.CT



1/2" chain. Packing 5m

VN.GT



Joint for chain VN.CT

VN.T



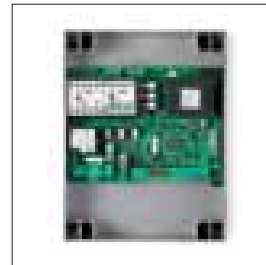
Chain tightener

VN.S



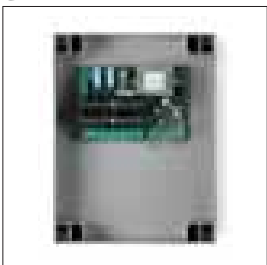
Door fitting brackets for VN.T

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 150

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 152

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 151

BRAIN.P



230Vac control panel for 1 or 2 operators for swinging, sliding or industrial doors. Built - in display, multiple operating logics. Plug-in radio receiver available. Cycle counter. Technical features on page 144

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 151

AUTOMATIONS FOR **GARAGE & INDUSTRIAL DOORS**

with separated control panel
unbalanced rolling shutters up to 790 kg



Two versions for rolling shutters with different shaft diameters



With chain for manual manouvre

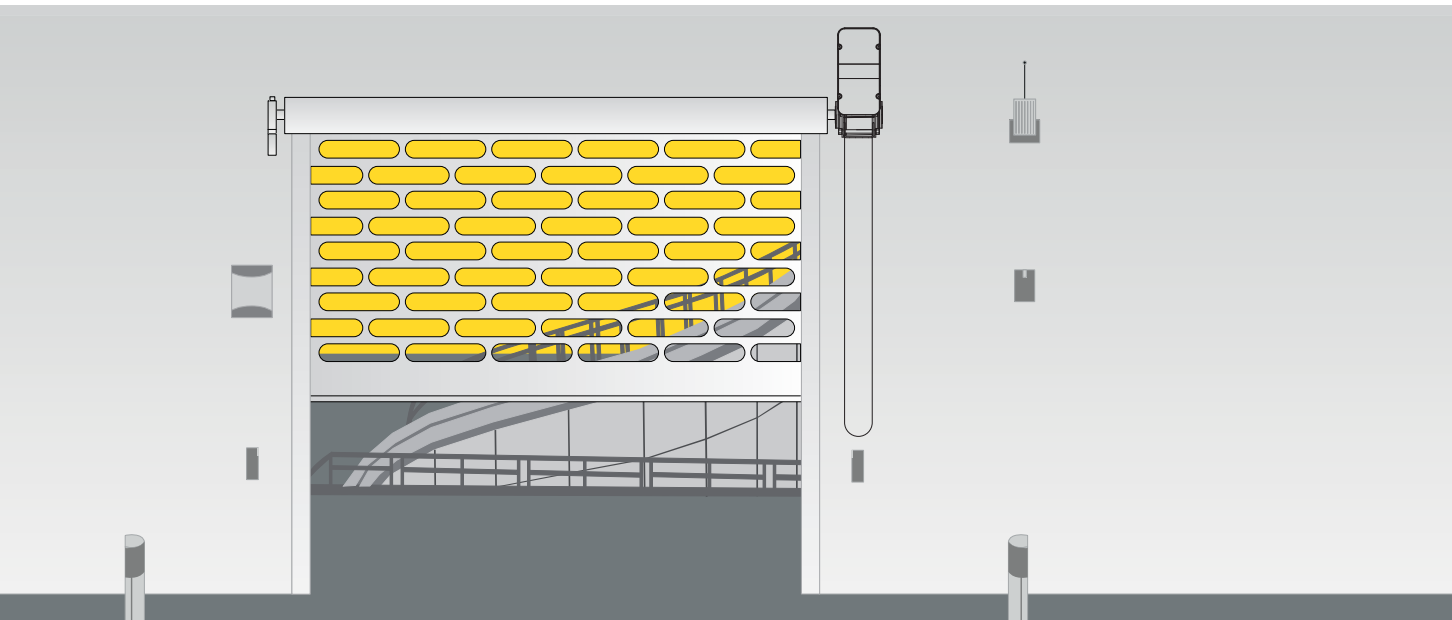


PS.13TC



INDUSTRIAL USE

- Electromechanical operator for industrial unbalanced rolling shutters up to 790 KG
 - With encoder and mechanical limit switches
- The transmission system by toothed belt assures a silent shutter functioning



Ø 30

PS.P1



PARACHUTE Ø (mm):30

max operating speed (rpm): 22
max static torque (Nm): 332
max intercept torque (Nm): 796
torque ratio straining screw (Nm): 20
intercept speed (rp): 127

PS.AL30



Weldable shaft with noched spline L 500 Ø 30

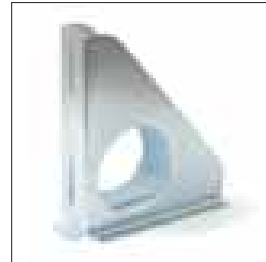
PS.RO13



Pipe washer PS.13TC Diameter available (mm):

PS.RO13 Ø 133 mm
PS.RO15 Ø 159 mm
PS.RO16 Ø 168 mm
PS.RO17 Ø 178 mm
PS.RO19 Ø 193,7 mm

PS.ME



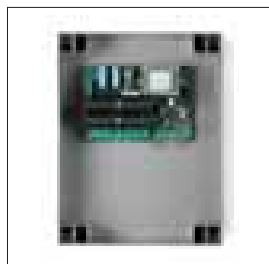
Wall mounted support bracketed for PS.13TC

CP.13

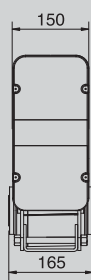
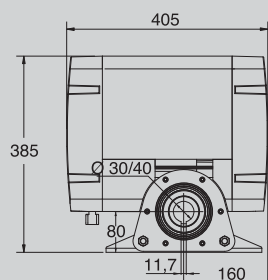
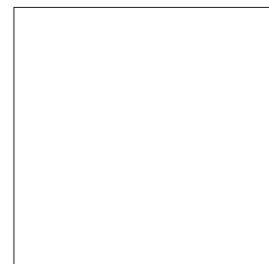
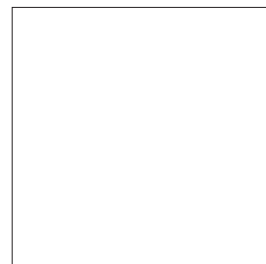
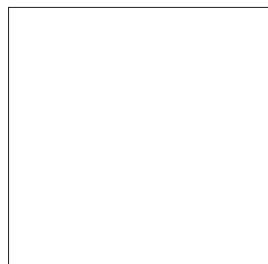


Control unit for PS.13TC30/TC40. Semi-automatic and automatic functions available and also dead man. Inputs for push buttons step by step, open & close, stop and for limit switches. Adjustable device of the thermal protection of the operator

CP.13S



400 Vac control panel for operator series PS.13.
"dead men" function Opening and closing limit switch inputs.
Emergency stop button input.
Open and close buttons.
Output for flashing light connection and positive electric brake



ROLLING SHUTTER MAX WEIGHT (KG)

Shaft diameter	PS.13T/TC
133 mm	790
159 mm	660
168,3 mm	625
177,8 mm	585
193,7 mm	540

TECHNICAL DATA	PS.13TC 30	PS.13TC 40
Power Supply	400 V/50 Hz	400 V/50 Hz
Absorbed power	1350 W	1350 W
Absorbed current	3,5 A	3,5 A
Shaft hole	30 mm	40 mm
Insulation Class	F	F
Operation cycle	60 %	60 %
Protection level	IP 30	IP 30
Opening speed	13 rpm	13 rpm
Lubrication	grease	grease
Torque	560 Nm	560 Nm
Items no. per pallet	15	15

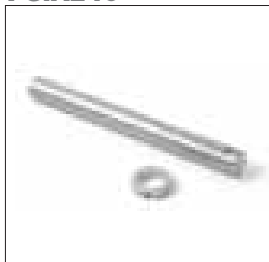
Ø 40

PS.P2



PARACHUTE Ø (mm):40
max operating speed (rpm.): 22
max static torque (Nm): 552
max intercept torque (Nm):1253
torque ratio straining screw (Nm): 37
intercept speed (rp): 123

PS.AL40



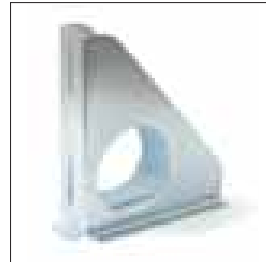
Weldable shaft with noched spline L 500 Ø 40

PS.RO13



Pipe washer PS.13TC Diameter available (mm):
PS.RO13 Ø 133 mm
PS.RO15 Ø 159 mm
PS.RO16 Ø 168 mm
PS.RO17 Ø 178 mm
PS.RO19 Ø 193,7 mm

PS.ME



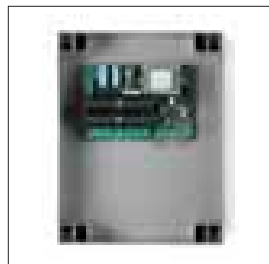
Wall mounted support bracketed for PS.13TC

CP.13



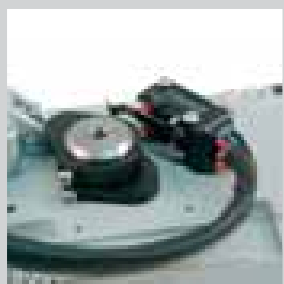
Control unit for PS.13TC30/TC40. Semi-automatic and automatic functions available and also dead man. Inputs for push buttons step by step, open & close, stop and for limit switches. Adjustable device of the thermal protection of the operator

CP.13S

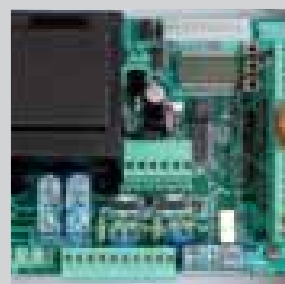


400 Vac control panel for operator series PS.13.
"dead men" function Opening and closing limit switch inputs.
Emergency stop button input.
Open and close buttons.
Output for flashing light connection and positive electric brake

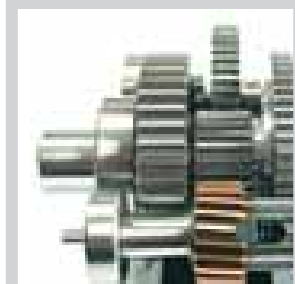
AUTOMATIONS FOR **GARAGE & INDUSTRIAL DOORS**



Electromechanical opening and closing limit switches included



Suggested control panel:
BRAIN/BRAIN24



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

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**





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

DU.MS45



Indoor/outdoor unlock device

VN.MS



Accessory for unlock device with handle

ID.TA

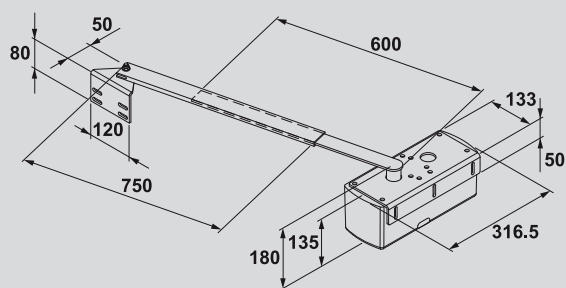


Aluminium warning board
Available in different languages

LB

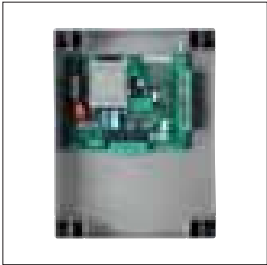


Standard box for control units.
Protection level IP 55



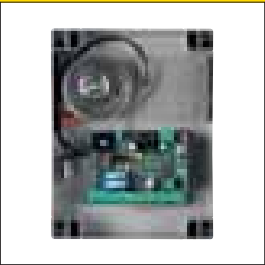
TECHNICAL DATA	VN.45E	VN.45E24
Motor supply	230 Vac	24 Vdc
Absorbed Power	170 W	120 W
Max. absorbed current	0,85 A	6 A
Torque	300 Nm	260 Nm
Operation cycle	35 %	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C/+70°C	-20°C/+70°C
Lubrication	grease	grease
Leaf max dimension	1,5 m	1,3 m
Leaf max Weight	120 Kg	100 Kg
Weight	13 Kg	13 Kg
Items no. per pallet	68	68

BRAIN



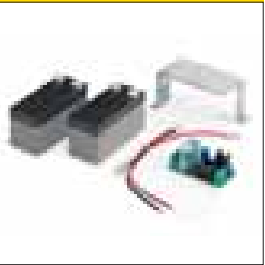
230 Vac control panel with standard and sophisticated features. Display for functions programming. Technical features on page 144

BRAIN24



24Vdc control panel for swinging gates with built-in 433,92 Mhz receiver card and display for functions programming. Technical features on page 154

BRAIN24.CB



Accessory for BRAIN24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries

CB.24V

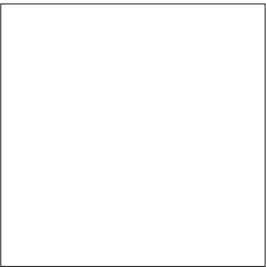
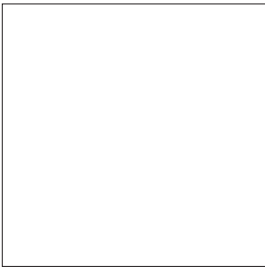
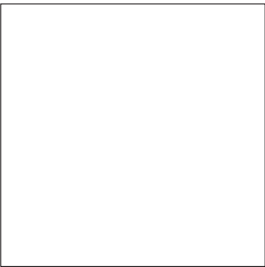
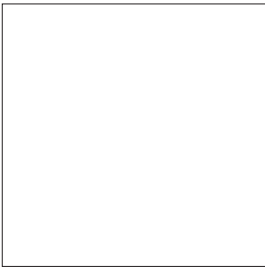
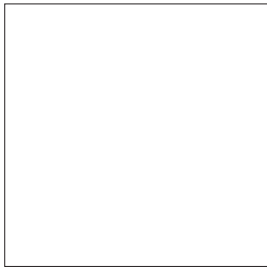


Battery charger card

DA.BT6
DA.BT2



DA.BT6: 6Ah 12 VDC Battery
2.1Ah 12 VDC Battery





		items
Passages up to 4m	— painted steel/ 24 Vdc /intensive use —	LADY
	— stainless steel / 24 Vdc / intensive use —	LADY.I
Passages up to 5m	— Galvanized and painted steel / intensive use / 24 Vdc —	EVA.5
	— painted steel / intensive use / 24 Vdc —	VE.500
	— stainless steel / intensive use / 24 Vdc —	VE.500I



ROAD BARRIERS

items

Passages up to 6,5m

— painted steel / intensive use / 24 Vdc —

VE.650

— stainless steel / intensive use / 24 Vdc —

VE.650I

Passages up to 7m

— galvanized and painted steel/ 24 Vdc /intensive use —

EVA.7

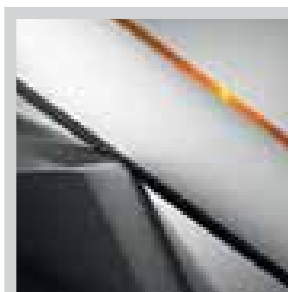
ROAD BARRIERS

for passages up to 5 m

with unlock device
and foundation plate



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

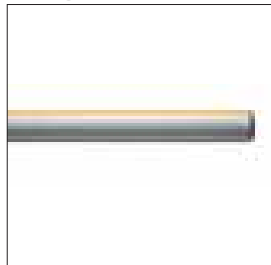
EVA.5



- 24 Vdc electromechanical road barrier for intensive use
- Right or left side mounting versions available
- 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



EVA5.A



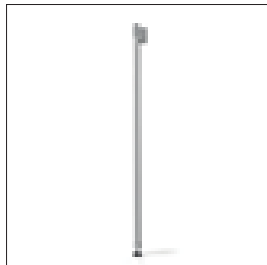
Elliptical arm of painted aluminium complete with cap and anti-collision rubber profile. (L. 5M) Available in two pieces with joint (EVA5.2A)

VE.TERM



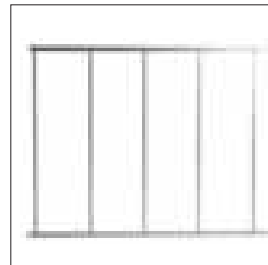
Thermostat for very cold places

VE.AM



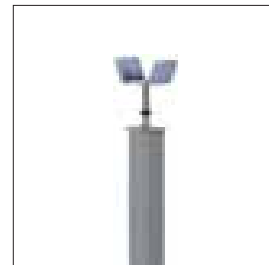
Mobile support for bars

VE.RAST



Aluminium rack
L= 2 m. H=60cm

EVA.AF



Painted fixed support

VE.TL



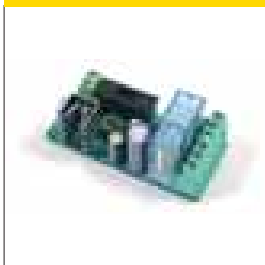
230 Vac Traffic-light

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
Integrable in the control panel box

CB.24V



Battery charger card

EVA.LAMP

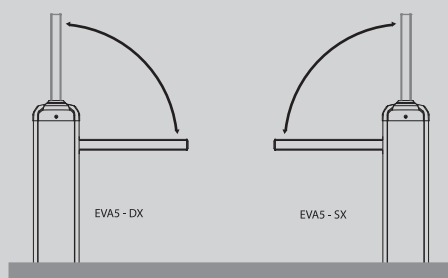
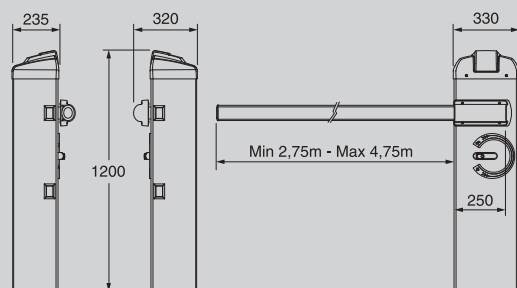


Circuit for EVA.5/EVA.7
Flashing light

DA.2S



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



TECHNICAL DATA	EVA.5DX	EVA.5SX
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Absorbed Power	120 W	120 W
Max. Absorbed current	4,5 A	4,5 A
Torque	130 Nm	130 Nm
Opening speed	2,5"	2,5"
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating Temp.	-20°C/+70°C	-20°C/+70°C
Lubrication	grease	grease
Weight	50 Kg	50 Kg

VE.PS



Foundation plate for EVA.5.

EVA5.G



Aluminium joint for EVA5.A

EVA.L



Flashing light set for EVA5.A

VE.KM1H VE.KM2H



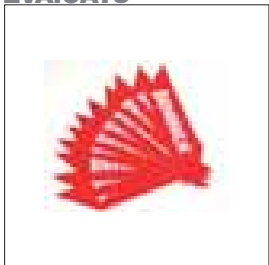
Single/two-channel loop detector

VE.CS

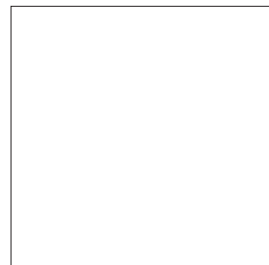
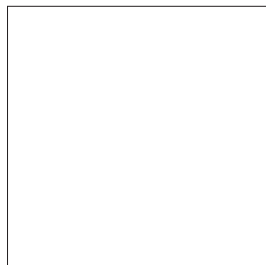
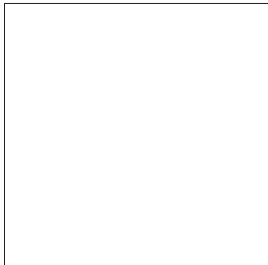


Traffic-light control unit

EVA.CAT5

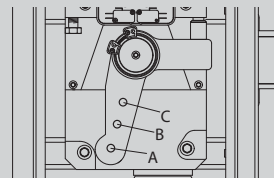


Set of 20 adhesive refractor strips for LADY.AVP / EVA7.A



ACCESSORIES FOR USE

	BAR LENGTH (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

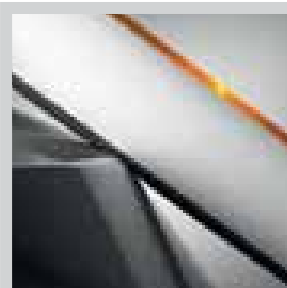
ROAD BARRIERS

for passages up to 7 m

with unlock device
and foundation plate



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



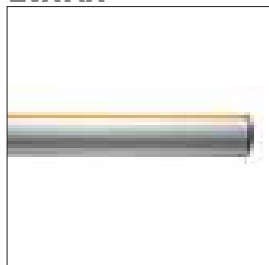
EVA.7



- 24 Vdc electromechanical road barrier for intensive use
- Right or left side mounting version available
- 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
- 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
- Possibility of battery back up system
 - Amperometric anticrushing control



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



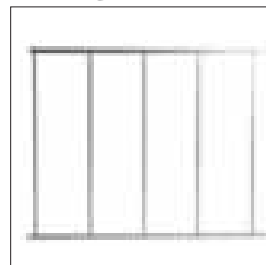
Thermostat for EVA.7 for very cold places.

VE.AM



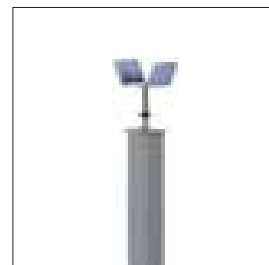
Mobile support

VE.RAST



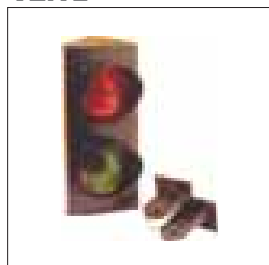
Aluminium rack L= 2 m. H=60cm.

EVA.AF



Painted fixed support

VE.TL



230 Vac Traffic-light

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery
integrable in the central BOX

CB.24V



Battery charger card

EVA.LAMP

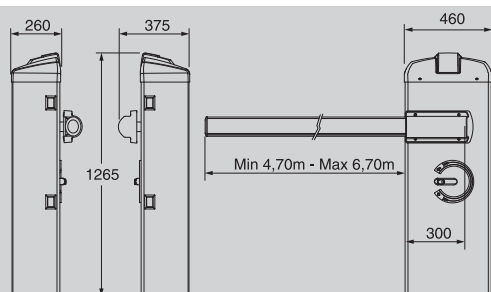


Circuit for EVA.5/EVA.7
Flashing light

DA.2S



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



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

TECHNICAL DATA

EVA.7

Power supply	230 Vac
Motor supply	24 Vdc
Absorbed Power	200 W
Max. absorbed current	8 A
Torque	300 Nm
Opening speed	8"
Operation cycle	intensive use
Protection level	IP 44
Operating temp.	-20°C/+70°C
Lubrication	grease
Weight	105 Kg

VE.PS



Foundation plate for EVA.7

EVA7.G



Joint for EVA7.A

EVA.L



Set of flashing signals for EVA7.A

VE.KM1H VE.KM2H



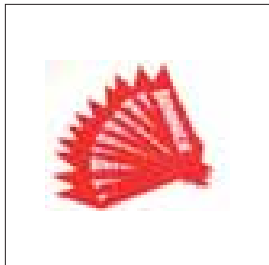
Single/two-channel loop detector

VE.CS



Traffic-light control unit

EVA.CAT7

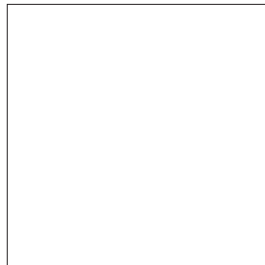
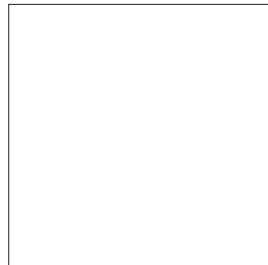


Set of 20 adhesive refractor strips for EVA.7

EVA.KM



Spring for EVA.7 yellow, neutral or white



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
and foundation plate



Easy to use external
unlock device



The stainless steel version
is right hand side mounting



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

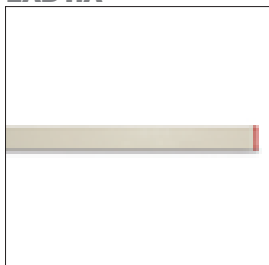
LADY



- 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
- Stainless steel version available
- Speed, strength and soft stop/start adjustable for an always correct use and performance

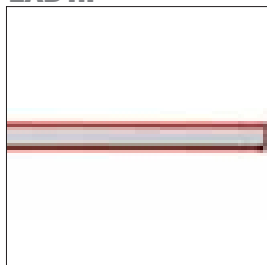


LADY.A



4,2 m aluminium arm with caps included (4200x60x38mm)

LADY.P



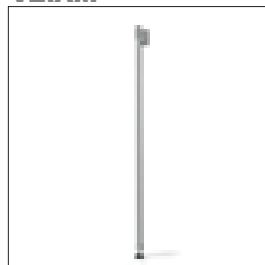
4, 2 m white painted aluminium arm. Caps are included. Provided with red rubber profiles

VE.TERM



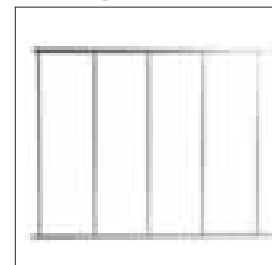
Thermostat for LADY for very cold places

VE.AM



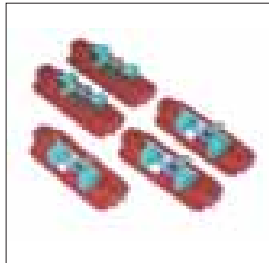
Mobile support

VE.RAST



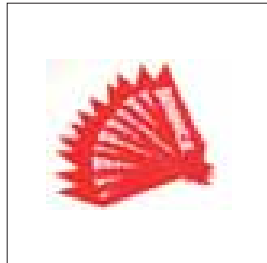
Aluminium rack L= 2 m.
H=60cm

LADY.L



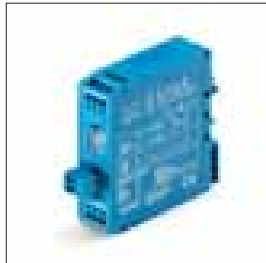
Flashing light set for LADY-P

VE.CAT500



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

VE.KM1H VE.KM2H



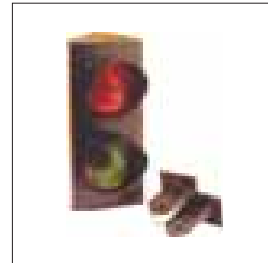
Single/two-channel loop detector

VE.CS

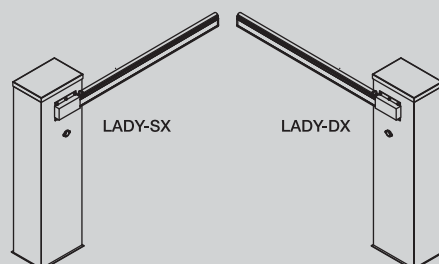
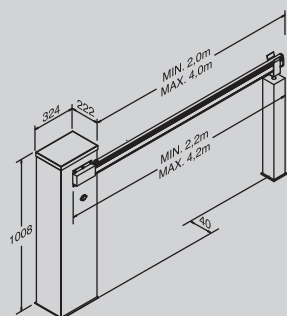


Traffic-light control unit

VE.TL



230 Vac Traffic-light



TECHNICAL DATA	LADY.SX/DX	LADY.I
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Absorbed Power	120 W	120W
Max. absorbed current	4,5 A	4,5 A
Torque	130 Nm	130 Nm
Opening speed	2,5"	2,5"
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating temp	-20°C/+70°C	-20°C/+70°C
Lubrication	grease	grease
Weight	50 Kg	50 Kg
Items no. per pallet	9	9

VE.AF



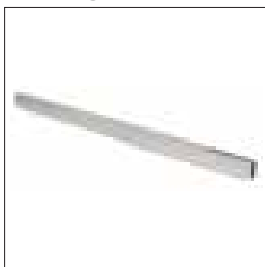
Painted fixed support

VE.PS



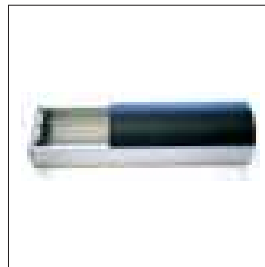
Foundation plate for LADY

LADY.GT



Aluminium joint for LADY.A

LADY.COL



Support for the installation of a second pair of photocell

LADY.SN



Set of joints for articulation of LADY.A

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery

CB.24V



Battery charger card for LADY

DA.2S



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

ACCESSORIES FOR USE

	> 3,2	BAR LENGHT (M) 3,2 > 3,7	3,7 > 4,2
LADY.P*	•	•	•
LADY.P**	•	•	•
VE.RAST	•	•	-
LADY.P*+VE.RAST	•	•	-
LADY.P*+VE.AM	•	•	•
LADY.P**+VE.AM	•	•	-
LADY.P*+VE.RAST+VE.AM	•	-	-

	> 3,2	BAR LENGHT (M) 3,2 > 3,7	3,7 > 4,2
SC.RES	•	•	-
LADY.P*+SC.RES	•	•	-
SC.RES+VE.AM	•	•	-
LADY.P*+SC.RES+VE.AM	•	-	-

LADY.P* Protection profile (only upper).
LADY.P** Protection profiles (upper and lower).
The installation of the VE.RAST interferes with the use of the SC.RES and vice versa.
The installation of the LADY.L lights kit does not influence the balancing of the bar

ROAD **BARRIERS**

for passages up to 5 m

Equipped with control unit
and foundation plate



Perfect movements thank to
three limit switches



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

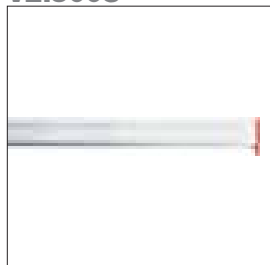
VE.500



- Electromechanical barrier for passages up to 5m
- Intensive use and high reliability
 - Easy to install and set up
- Stainless steel version available

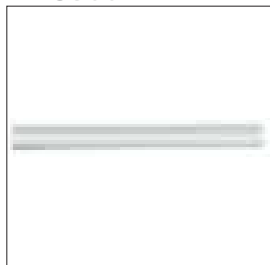


VE.500S



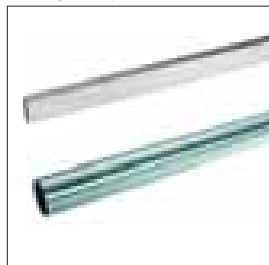
5m. white painted, aluminium arm Caps are included (5000x63x38,5)

VE.C500



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

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



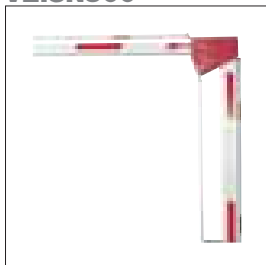
Thermostat for VE.500.
For very cold places

VE.KM24



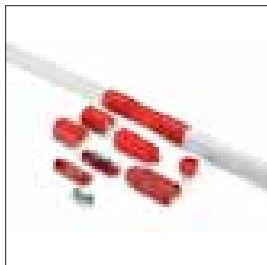
Set of 3 springs for VE.500/I
-VE.650/I: yellow, neutral, white

VE.SN500



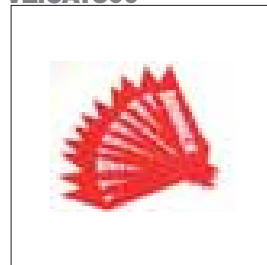
Set of joints for the articulation
of VE.500S

VE.500L



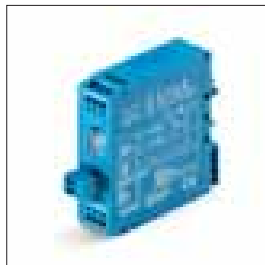
Set of flashing signals for
VE.500S

VE.CAT500

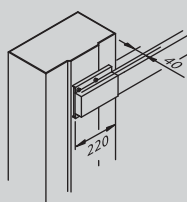
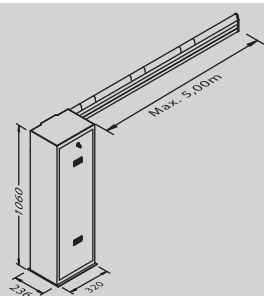


Set of 20 adhesive refractor
strips for VE.C500/VE.500S

VE.KM1H VE.KM2H

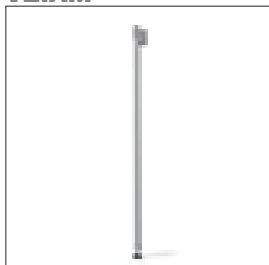


Single/two-channel loop
detector



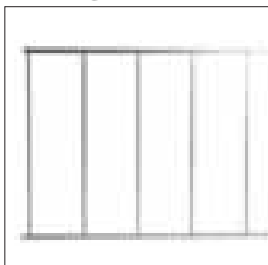
TECHNICAL DATA	VE.500	VE.500I
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Absorbed Power	160 W	160W
Max. absorbed current	6 A	6 A
Torque	220 Nm	220 Nm
Opening speed	6"	6"
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C/+70°C	-20°C/+70°C
Lubrication	grease	grease
Weight	61 Kg	61 Kg
Items no. per pallet	9	9

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.P500



Foundation plate for VE.500

VE.KM



Spring for VE.500/I yellow, neutral or white

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

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery

CB.24V



Battery charger card

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.500/I	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

N.B The standard road barriers are equipped with 1 white spring

ROAD **BARRIERS**

for passages up to 6,5 m

Equipped with control unit
and foundation plate



Sturdy and compact
operator for maximum
reliability and long life



Built-in control panel with fast
and easy programming

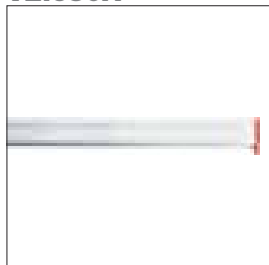
VE.650



- 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

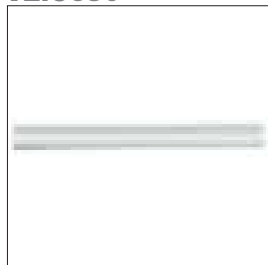


VE.650A



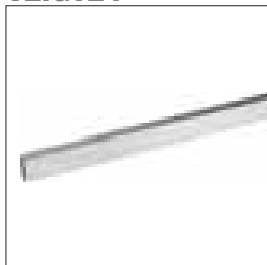
6,5m. white painted, aluminium arm Caps are included (6500x100x40). For VE.650/I.

VE.C650



Ø 90 mm white painted aluminium round section arm Caps are included L=6500mm. Suitable for very windy places.

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.KM



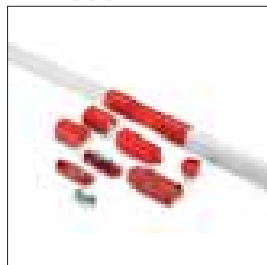
Spring for VE.650/I yellow, neutral or white

VE.KM24



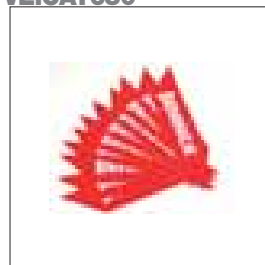
Set of 3 springs for VE.500/I -VE.650/I: yellow, neutral, white

VE.L650



Set of flashing signals for VE.650A bar

VE.CAT650

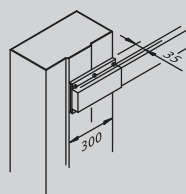
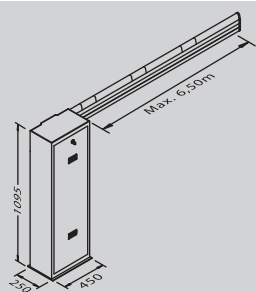


Set of 20 adhesive refractor strips for VE.C650/VE.650A

VE.KM1H VE.KM2H



Single/two-channel loop detector



TECHNICAL DATA	VE.650	VE.650I
Power supply	230 Vac	230 Vac
Motor supply	24 Vdc	24 Vdc
Absorbed Power	200 W	200 W
Max. absorbed current	8 A	8 A
Torque	300 Nm	300 Nm
Opening speed	8"	8"
Operation cycle	intensive use	intensive use
Protection level	IP 44	IP 44
Operating temp.	-20°C/+70°C	-20°C/+70°C
Lubrication	grease	grease
Weight	105 Kg	105 Kg
Items no. per pallet	6	6

VE.TERM



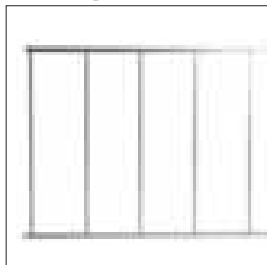
Thermostat for VE.650/I
For very cold places

VE.AM



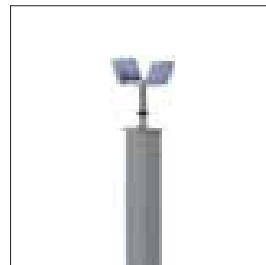
Mobile support

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.P650



Foundation plate for VE.650/I

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

DA.BT6 DA.BT2



DA.BT6: 6Ah 12 VDC Battery
DA.BT2: 2.1Ah 12 VDC Battery

CB.24V



Battery charger card

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

N.B The standard road barriers are equipped with 1 white spring



items

Car Park Saver

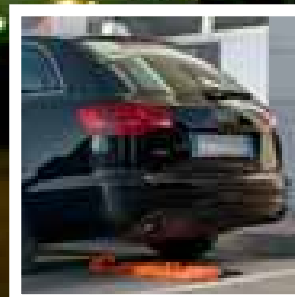
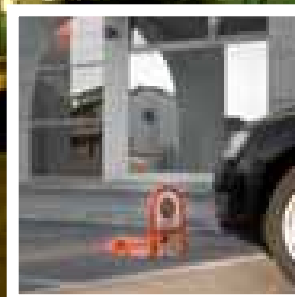
24 Vdc automatic - intensive use

manual

VE.SOR

VE.SOM

CAR PARK **SAVER**



CAR **PARK SAVER**



Automation that
safeguards the
private car parks

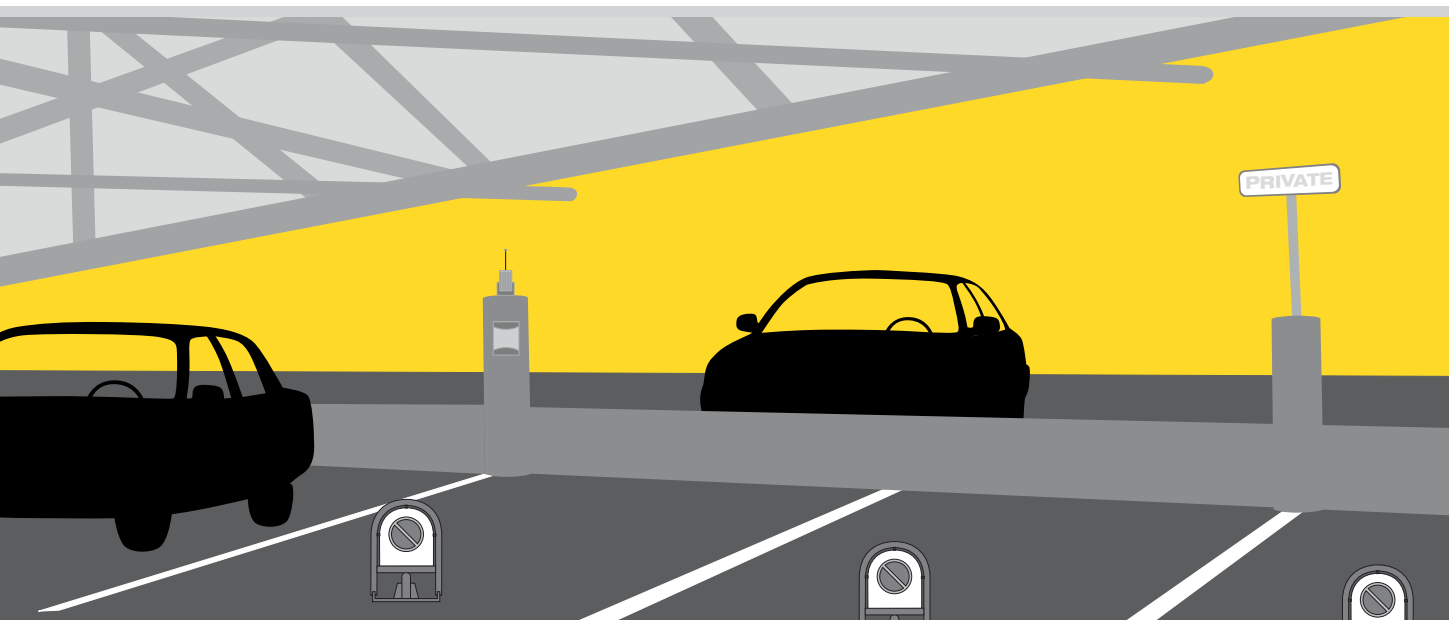


The easiest way to save your
car park place

VE.SOR/ VE.SOM

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





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



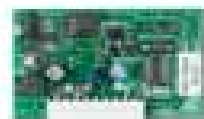
Battery charger card for DA.S04

DA.BT6 DA.BT2

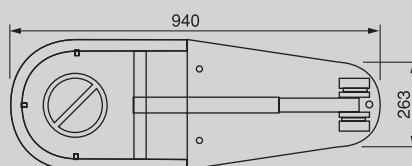
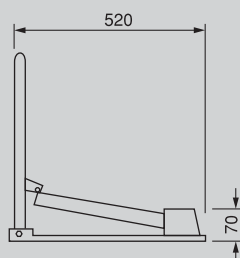
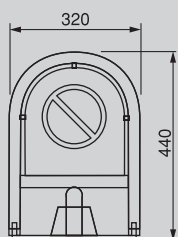
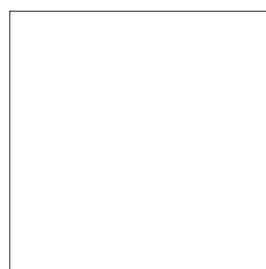
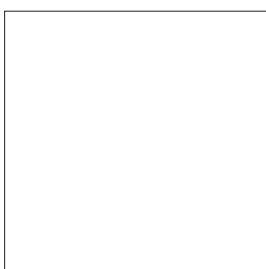
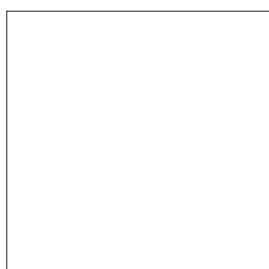


6Ah 12 VDC Battery
2.1Ah 12 VDC Battery

RR.2WIV



2 channels plug-in rolling code receiver. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



TECHNICAL DATA	VE.SOR	VE.SOM
Operating way	24V automatic	manual
Power supply	230 Vac	-
Motor supply	24 Vdc	-
Absorbed Power	25 W	-
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

RR.2WBV



2 Channels rolling code receiver with plastic box and terminals. Suitable only for rolling-code transmitters. Memory capability up to 512 codes

CU.2RWV

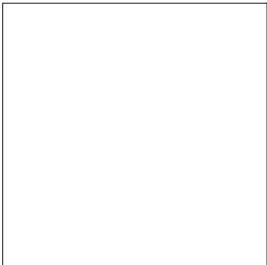
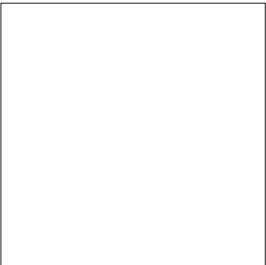
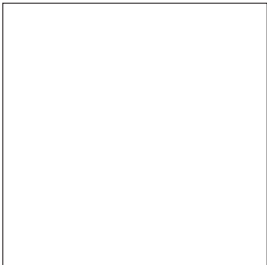
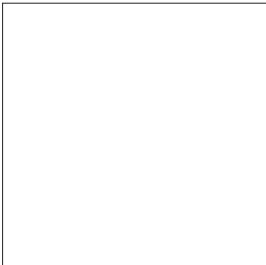
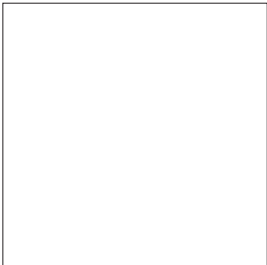
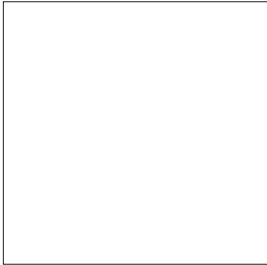
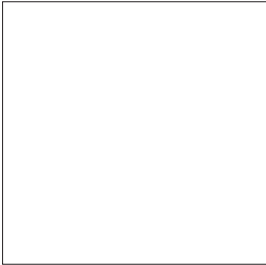


2 channels rolling-code transmitter

CU.4RWV



4 channels rolling-code transmitter





items

<div>230/Vac single-phase Control Panels</div>	1 motor	swinging gates	HEAD
		swinging gates / sliding gates	BRAIN
		sliding gates	MATRIX
		counterweights garage door	LOGICA230.RI
		rolling shutter / tubular motors	MISE.RI / DREAM
		sectional doors and industrial sliding doors	BRAIN.P
	2 motors	swinging gates	HEAD
		swinging gates / sliding gates	BRAIN
		counterweights garage doors	LOGICA230.RI
		industrial folding doors	

ELECTRONIC CONTROL PANELS

230/400 Vac single-phase/three-phase Control Panels

1 motor — sectional/
sliding
industrial doors

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

24 Vdc Control Panels

1 motor — counterweights
garage doors
— swinging gates
2 motors — counterweights
garage doors
— swinging gates
4 motors — car park saver

LOGICA24.RI

BRAIN24

LOGICA24.RI

BRAIN24

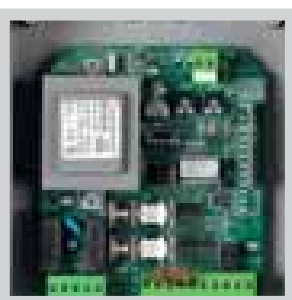
DA.S04

CONTROL PANELS

230 Vac

230-400 Vac

24 Vdc



CONTROL PANELS



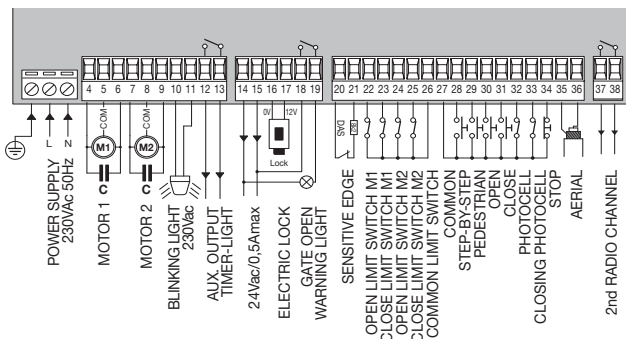
- Control panels available in different versions to satisfy the most varied requirements
- Box available in two versions, Large Box and Small Box
- The large version box, facilitates wiring operations
 - Extractable terminal boards and models with integrated LCD display

230 Vac CONTROL PANELS



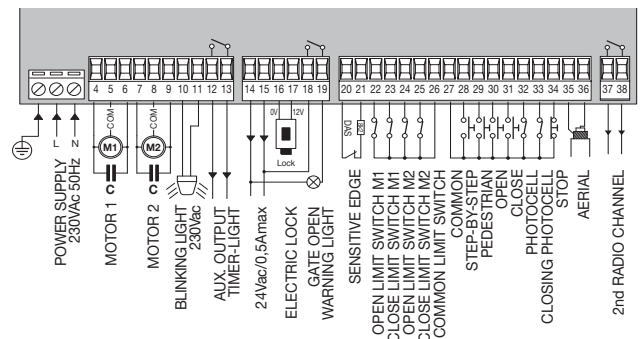
BRAIN

- Control panel for 1 or 2 operators, ideal for swinging or sliding doors
- Easy to use thanks to the integrated display
- Multiple operating logics
- Separate electronic regulation of torque and of work times for each operator
- Separate slowing-down on opening and closing for each operator
- Plug in terminals
- Plug-in radio receiver available
- Separate opening and closing limit switch inputs for each operator
- Programmable timer input for centralised closures
- Input for 8K2 safety sensitive edge
- May also be used with hydraulic operators
- Cycle counter



BRAIN.P

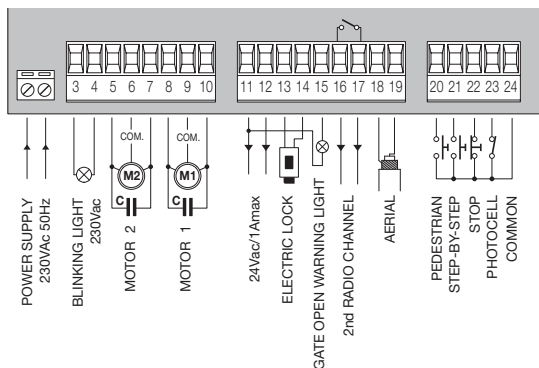
- Control panel for 1 or 2 operators, ideal for swinging or sliding doors
- Easy to use thanks to the integrated display
- Multiple operating logics
- Separate electronic regulation of torque and of work times for each operator
- Separate slowing-down on opening and closing for each operator
- Plug in terminals
- Plug-in radio receiver available
- Separate opening and closing limit switch inputs for each operator
- Programmable timer input for centralised closures
- Input for 8K2 safety sensitive edge
- May also be used with hydraulic operators
- Cycle counter
- Opening-closing buttons integrated





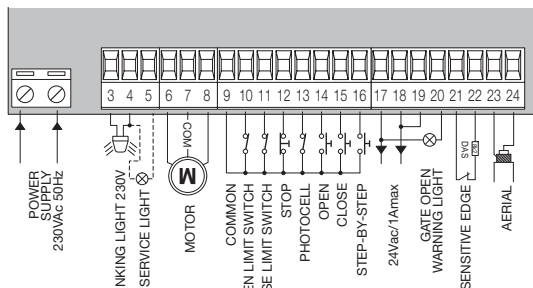
HEAD

- Control panel for 1 or 2 operators, ideal for swinging gates
- Automatic and semiautomatic function
- Simple diagnostics thanks to the leds that indicate the status of the inputs
- Electric regulation of motor torque
- Plug in terminals
- Complete with integrated radio receiver 433.92Mhz memory capability up to 14 codes (programmable code/rolling code and prepared for plug-in radio receiver
- Programmable input for separate photocell on opening
- Pedestrian opening input
- Output for gate open warning lamp 24 Vac
- Output for second radio channel allowing control of other automations



LOGICA230.RI

- Control panel for 1 or 2 operators, ideal for counterweights garage doors series ZED/AU.96
- Automatic and semiautomatic function
- Simple diagnostics thanks to the leds that indicate the status of the inputs
- Electric regulation of motor torque
- Slowing down in opening and closing
- 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

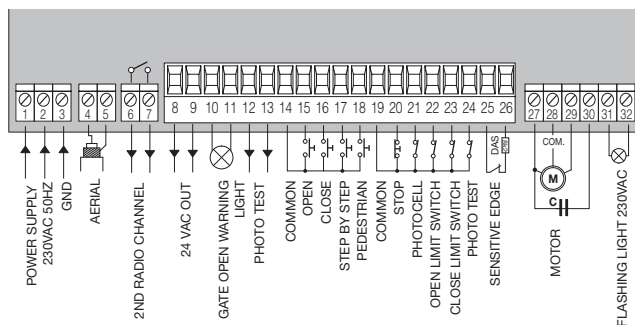


230 Vac CONTROL PANELS



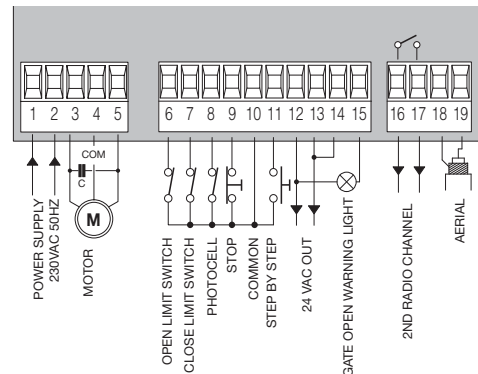
MATRIX

- Control panel for 1 operator, ideal for sliding gates, series BULL10M/15M/20M without control panel, equipped with encoder, or operator RI.15M
- Simple to install thanks to the integrated display
- Multiple operating logics
- Detection of obstacles and anticrushing protection with an innovative electronic system
- 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



MISE-RI

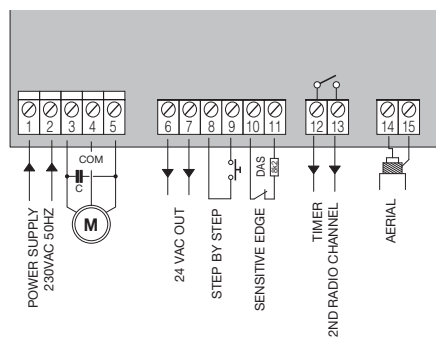
- Control panel for 1 operator, ideal for rolling shutters and hydraulic operators
- Simple diagnostics thanks to the leds that indicate the status of the inputs
- Automatic –semiautomatic function
- Plug in terminals
- Integrated radio receiver 433.92 Mhz memory capability up to 64 codes (programmable code/rolling code)
- Inputs for opening and closing limit switches
- Input programmable as step-by-step or open
- Input for photocell with possibility of exclusion in the opening phase
- LOCK accessory available for control of the 12 Vac electric lock and a courtesy light



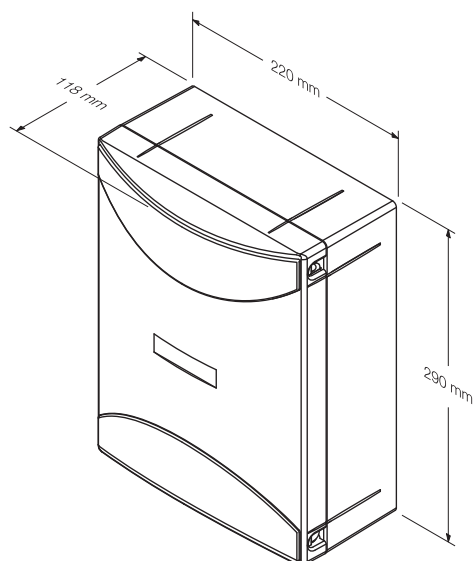
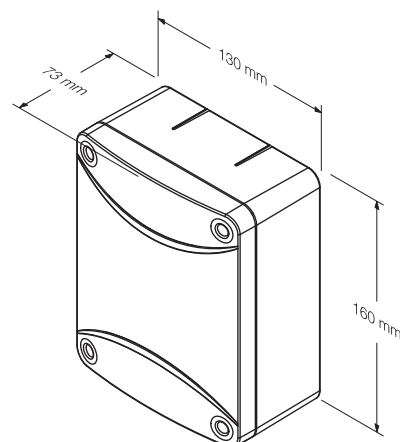


DREAM

- Control panel for a 230 Vac operator, ideal for rolling shutters and hydraulic operators
- Integrated receiver 433.92 Mhz, memory capability up to 14 transmitters (programmable code /rolling code)
- Automatic – semiautomatic function
- Inputs for step-by-step buttons and photocell
- Fixed terminal boards
- Regulation of work time and automatic closing
- Output for controlling a service light



EXTERNAL CONTROL PANELS FEATURES	BRAIN	BRAIN.P	HEAD	LOGICA230.RI	MATRIX	MISE.RI	DREAM
INPUTS / OUTPUTS							
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	•	•					
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 24Vac/dc	•	•	•	•	•	•	•
Gate open indicator	•	•	•	•	•	•	
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	•	•			•		
Slowing down	•	•		•	•		
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	•	•			•		
Starting with maximum power	•	•		•	•		
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	•	•			•		
Encoder Input					•		
Open/close/stop buttons		•					

LB**SB**

230 Vac CONTROL PANELS ACCESSORIES

**SB**

Plastic box for small control panels

**LB**

Standard box for control units.
Protection level IP 55

**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

**LOCK**

Circuit for 12Vac electric-lock and light (100W max), suitable for 230 Vac control panels.
Indicated for MISE - RI / DREAM

**DA.LB**

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

**DA.2S**

Electronic module which allows the synchronized movement of two gates

230-400 Vac CONTROL PANELS

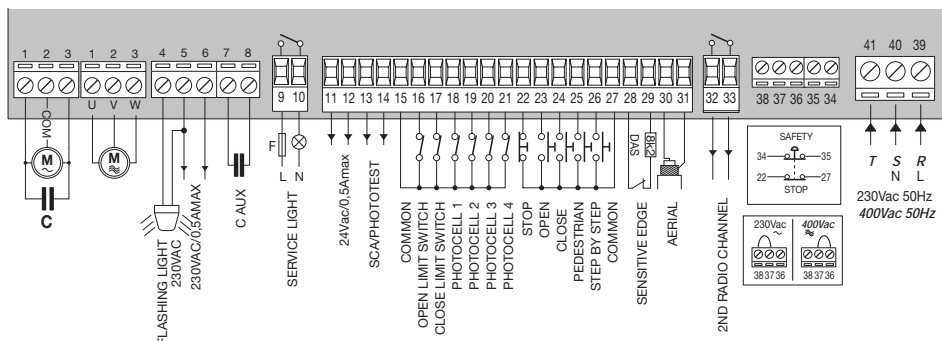


THINK

- 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

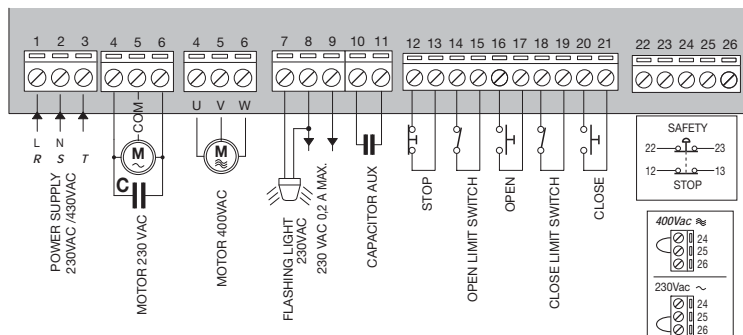


START

- 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

INPUTS / OUTPUTS

	THINK	THINK.P	THINK.I	START	START.I
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					
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 24Vac/dc	•	•	•		
Gate open indicator	•	•	•		
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	•	•	•		
Slowing down					
Electronic brake					
Pre-warning flashing light	•	•	•		
Disable photocell in opening phase					
Close immediatly after photocell	•	•	•		

ADJUSTMENTS

Electromechanical adjustment force					
Electronic adjustment force					
Speed adjustment					
Starting with maximum power					
Parameters adjustment through potentiometer					
Parameters adjustment through LCD display	•	•	•		

OTHER CHARACTERISTICS

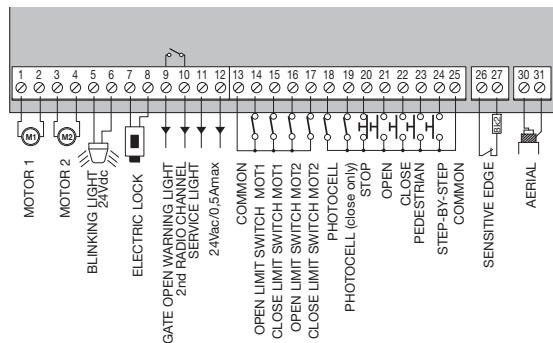
Diagnostic LEDS					
433,92 MHz built-in receiver					
Parameters adjustment through LCD display	•	•	•		
Cycles counter	•	•	•		
Encoder Input					
Open/close button				•	
Open/close/stop buttons		•	•	•	•
Open/close/isolating switch and door blocking			•		•
Amperometric anticrushing control	•	•	•		

24 Vdc CONTROL PANELS



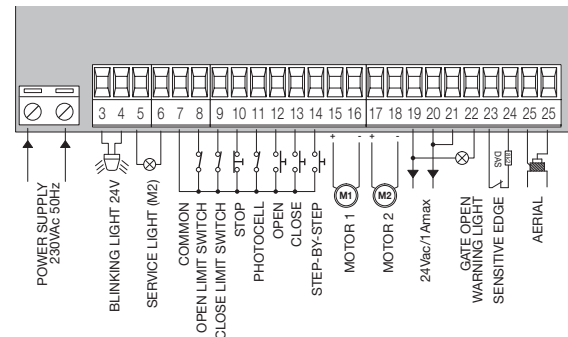
BRAIN24

- Control panel for 1 or 2 operators 24 Vdc ideal for swinging or sliding doors
- Simple to install thanks to the integrated display
- Amperometric anticrushing control
- Multiple operating logics
- Separate electronic regulation of torque and of work times for each motor
- Separate slowing-down on opening and closing for each motor
- Plug in terminals
- Integrated radio receiver 433.92 Mhz memory capability up to 64 codes (programmable code/rolling code)
- Separate opening and closing limit switch inputs for each motor
- Programmable timer input for management of centralised closures
- Input for 8K2 safety sensitive edge
- Cycle counter



LOGICA24.RI

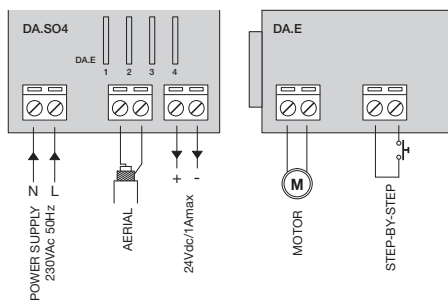
- Control panel for 1 or 2 operators, ideal for counterweights garage doors series ZED24
- Amperometric anticrushing control
- Automatic and semiautomatic function
- Simple diagnostics thanks to the leds that indicate the status of the inputs
- Electronic regulation of motor speed and torque
- Soft start 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.RI

DA.SO4

BRAIN24

INPUTS / OUTPUTS

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			•
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 24Vac/dc	•	•	•
Gate open indicator	•		•
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			•
Slowing down	•		•
Electronic brake			
Pre-warning flashing light	•		•
Disable photocell in opening phase			
Close immediatly after photocell			•
Opening delay motor 2			•
Closing delay motor 1			•

ADJUSTMENTS

Electromechanical adjustment force	•		
Electronic adjustment force	•	**	•
Speed adjustment	•		
Starting with maximum power			
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			
Amperometric anticrushing control	•	•	•

** DA.E module required

24 Vdc CONTROL PANELS ACCESSORIES



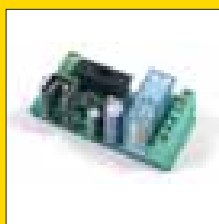
BRAIN24.CB

Accessory for BRAIN24 composed of battery charger card CB.24V, 1,2Ah batteries and support for batteries



DA.RB

Battery charger card for DA.S04



CB.24V

Battery charger card for BRAIN24, MBE24, LOGICA24. RI, ZED24, DA.24V



DA.E

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

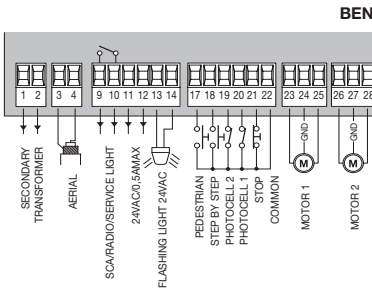
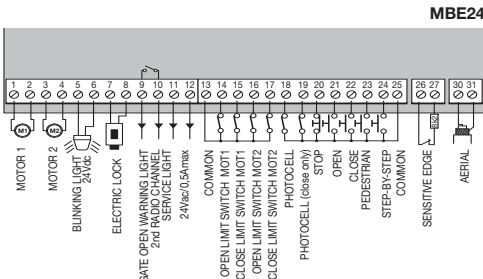
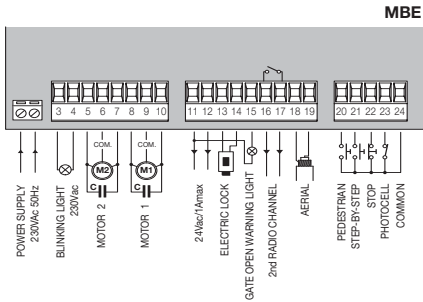


DA.BT6 DA.BT2

DA.BT2: 2.1Ah 12 VDC Battery
DA.BT6: 6Ah 12 VDC Battery

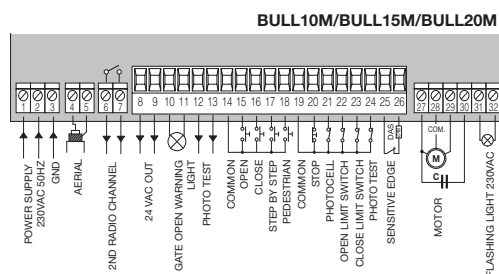
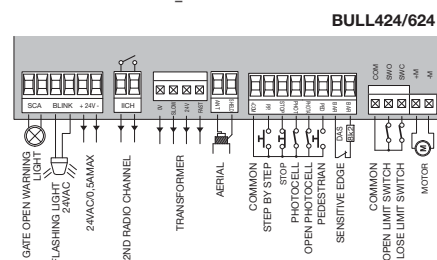
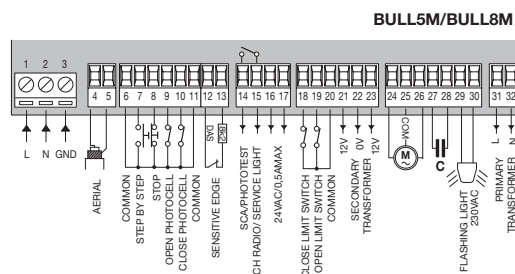
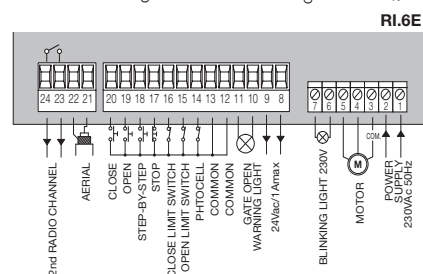
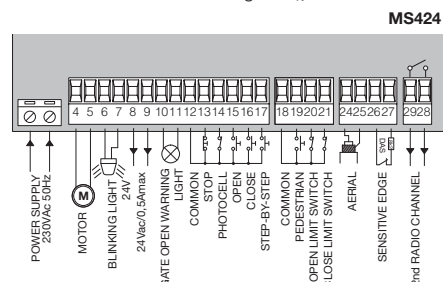
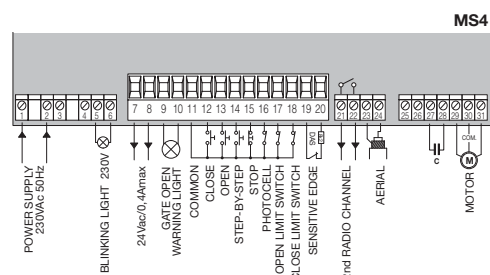
FUNCTIONS OF ON BOARD
PANELS SWINGING GATES

	MBE	MBE24	BEN
Motors power supply 24Vdc		•	•
Motors power supply 230Vac	•		
INPUTS / OUTPUTS			
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		•	
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	•	•	•
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		•	
Slowing down		•	•
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			•
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		•	•
Encoder input			
Back up system (it needs battery charger card)		•	•
Amperometric anticrushing control		•	



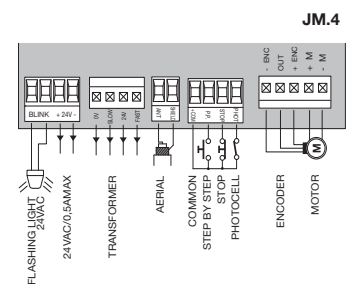
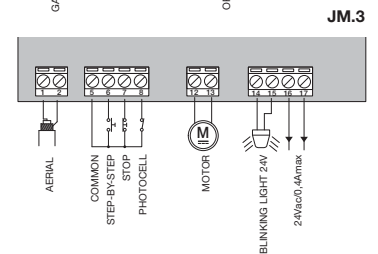
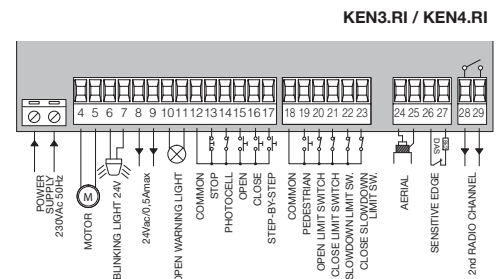
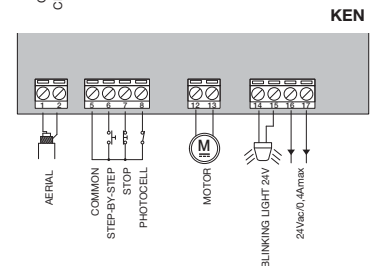
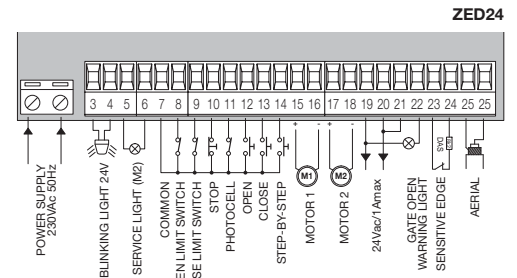
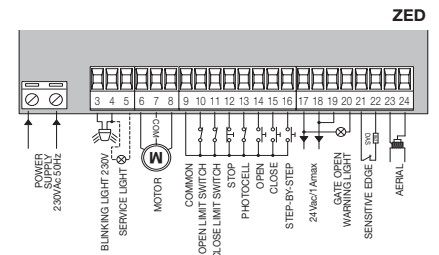
FUNCTIONS OF ON BOARD PANELS SLIDING GATES

	MS4	MS424	RI.6I	BULL5M/ BULL8M	BULL424/ BULL624	BULL10M/ BULL15M BULL20M
Motors power supply 24Vdc		•			•	
Motors power supply 230Vac	•		•	•		•
INPUTS / OUTPUTS						
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						
Motor 1 output	•	•		•	•	•
Motor 2 output						
Flashing Light output	•	•	•	•	•	•
Auxiliary output for optional electric-lock card						
Courtesy light output				•		•
Auxiliary output 24 Vac/dc	•	•	•	•	•	•
Gate open indicator	•	•	•	•	•	•
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			•	•	•	•
Slowing down		•		•	•	•
Electronic brake				•	•	•
Pre-warning flashing light	•	•	•	•	•	•
Disable photocell in opening phase		•	•		•	•
Close immediatly after photocell				•	•	•
Maintaining hydraulic motor pressure						
Opening delay motor 2						
Closing delay motor 1						
ADJUSTMENTS						
Electromechanical adjustment force			•			
Electronic adjustment force	•			•	•	
Speed adjustment		•			•	
Starting with maximum power	•		•	•	•	
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	•	•		•	•	•
Amperometric anticrushing control		•			•	



FUNCTIONS OF ON BOARD PANELS GARAGE DOORS

	ZED.RI / ZEDL.RI	ZED24.RI	KEN	KEN3.4RI	JM.3	JM.4
Motors power supply 24Vdc		•	•	•	•	•
Motors power supply 230Vac	•					
INPUTS / OUTPUTS						
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						
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	•	•		•		•
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						•
Slowing down	•	•	•	•	•	•
Electronic brake						
Pre-warning flashing light	•	•		•		•
Disable photocell in opening phase	•	•				
Close immediatly after photocell						•
Opening delay motor 2						
Closing delay motor 1						
ADJUSTMENTS						
Electromechanical adjustment force	•					
Electronic adjustment force		•	•	•	•	•
Speed adjustment		•	•	•	•	•
Starting with maximum power	•					•
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					•	•
Amperometric anticrushing control		•	•	•	•	•



FUNCTIONS OF ON BOARD PANELS ROAD BARRIERS

	EVA.5 / EVA.7	LADY / LADY.I	VE.500	VE.650
Motors power supply 24Vdc	•	•	•	•
Motors power supply 230Vac				
INPUTS / OUTPUTS				
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				
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 24Vac/dc	•	•	•	•
Gate open indicator	•	•	•	•
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	•	•	•	•
Slowing down	•	•	•	•
Electronic brake				
Pre-warning flashing light	•	•	•	•
Disable photocell in opening phase				
Close immediatly after photocell	•	•	•	•
Opening delay motor 2				
Closing delay motor 1				

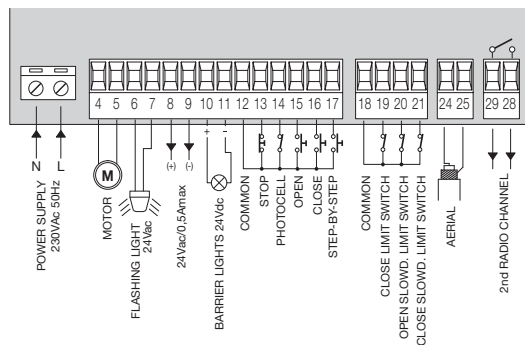
ADJUSTMENTS

Electromechanical adjustment force				
Electronic adjustment force	•	•	•	•
Speed adjustment	•	•	•	•
Starting with maximum power				
Parameters adjustment through potentiometer	•	•	•	•
Parameters adjustment through LCD display				

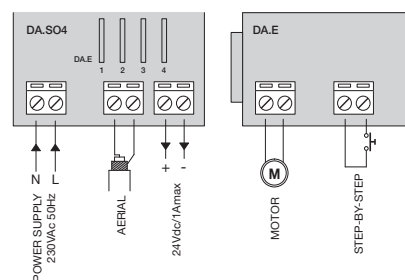
OTHER CHARACTERISTICS

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				
Amperometric anticrushing control	•	•	•	•

EVA.5/EVA.7/LADY/VE.500/VE.650



VE:SOR





		items		
Transmitters	433,92 Mhz	transponder device	2 channels	TO.GO2WVT
			4 channels	TO.GO4WVT
		rolling-code	2 channels	CU.2RWV / CU.2NWV / T2WV / T2WVS / TO.GO2WV / TO.GO2WVS / APPLE.2 / IO.2WV
			4 channels	CU.4RWV / CU.4NWV / T4WV / T4WVS / TO.GO4WV / TO.GO4WVS / APPLE.4
		programmable code	2 channels	T2WK / LO.T2WMS / TO.GO2WP / TO.GO2WK
			4 channels	T4WK / TO.GO4WP / TO.GO4WK
	30,875 Mhz programmable code	2 channels	LO.T2E (Notified Italy)	
		4 channels	LO.T4E (Notified Italy)	
	306 Mhz programmable code	2 channels	LO.TX2PS (for non EEC markets only)	
		Programming and control systems		ADVANTAGE

REMOTE CONTROLS



		items		
Receivers	433,92 Mhz	rolling-code	1 channel	RR.1WIV / RR.1WBV
		rolling-code	2 channels	RR.2WIV / RR.2WBV
			4 channels	RR.4WBV / RR.4WBV24
			programmable code	1 channel
		2 channels		RR.2WBP / RR.2WIP
		4 channels		RR.4WBP / RR.4WBP24
	30,875 Mhz programmable code	1 channel	RR.1EBP / RR.1EIP	
		2 channels	RR.2EBP / RR.2EIP	
	306 Mhz programmable code	2 channels	RR.2ABP / RR.2AIP	
Command and control systems		CALL		

BENINCA
CATALOGUE
2008

100

TRANSMITTERS

433,92 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

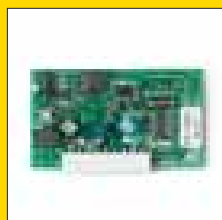
433,92 Mhz 4 channels rolling-code transmitter. Available in 10 pcs packing.
TO.GO4WVS: Sequential self-learning of the transmitters with Advantage system

RECEIVERS AND ACCESSORIES



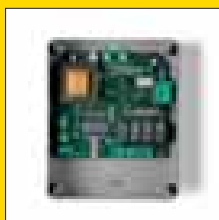
RR.1WBV RR.2WBV

Single or two-channels rolling code receiver with plastic box and terminals. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



RR.1WIV RR.2WIV

Single or two-channels plug-in rolling code receiver. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



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 193



MEM2048

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

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



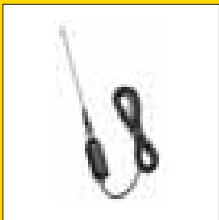
BT12

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



AW

433,92Mhz aerial with 5mts
cable, it can be installed
separately by means of a
provided adapter or on flashing
lights "LAMP" model



LO.W1LUX

433,92Mhz aerial with 5mts
cable for ID.LUX/ID.LUX24

TRANSMITTERS

433,92 Mhz programmable code



TO.GO2WP

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



TO.GO4WP

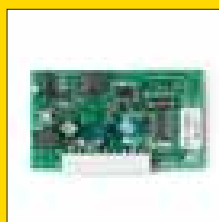
4 channels transmitters, dip-switches code.
Available in 10 pcs packing

RECEIVERS AND ACCESSORIES



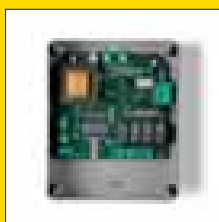
RR.1WBP RR.2WBP

Single or two-channels self-learning receiver with plastic box and terminals. Suitable only for programmable code transmitters. Memory capability up to 16 codes



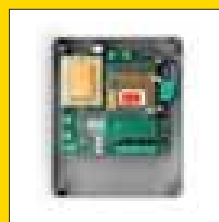
RR.1WIP RR.2WIP

Single or two-channels self-learning plug-in receiver. Suitable only for programmable code transmitters. Memory capability up to 16 codes



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 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 193



BT12

12 V Battery, for transmitter, available in 50 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



AW

433,92Mhz aerial with 5mts cable, it can be installed separately by means of a provided adapter or on flashing lights "LAMP" model



LO.W1LUX

433,92Mhz aerial with 5mts cable for ID.LUX/ID.LUX24

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

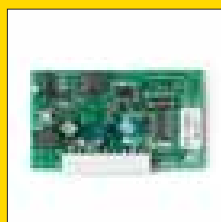
433.92 Mhz self-learning rolling code transmitter available with 4 channels, with surface mounting holder

RECEIVERS AND ACCESSORIES



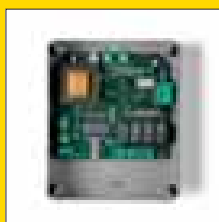
RR.1WBV RR.2WBV

Single or two-channels rolling code receiver with plastic box and terminals. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



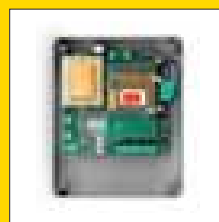
RR.1WIV RR.2WIV

Single or two-channels plug-in rolling code receiver. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



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 193



MEM2048

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



AW
433,92Mhz aerial with 5mts cable, it can be installed separately by means of a provided adapter or on flashing lights "LAMP" model



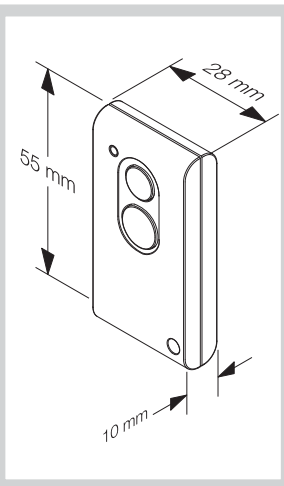
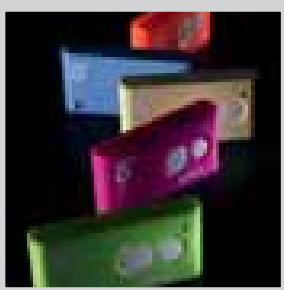
BT12
12 V Battery, for transmitter, available in 50 pcs packing



LO.W1LUX
433,92Mhz aerial with 5mts cable for ID.LUX/ID.LUX24

TRANSMITTERS

433,92 Mhz rolling-code



IO



- New 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.2WV, 433,92 Mhz
2 channels rolling-code transmitter



IO.COLOURS

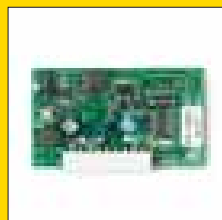
Pack of 10 pieces of transmitters series IO & COLOURS.
Composed of two transmitters each colour

RECEIVERS AND ACCESSORIES



RR.1WBV RR.2WBV

Single or two-channels rolling
code receiver with plastic box
and terminals. Suitable only for
rolling-code transmitters.
Memory capability up to 512
codes



RR.1WIV RR.2WIV

Single or two-channels
plug-in rolling code receiver.
Suitable only for rolling-code
transmitters. Memory capability
up to 512 codes



MEM2048

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



AW

433,92Mhz aerial with 5mts
cable, it can be installed
separately by means of a
provided adapter or on flashing
lights "LAMP" model

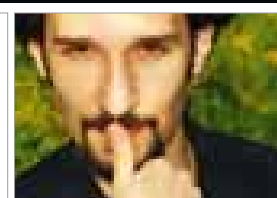
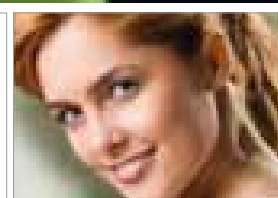
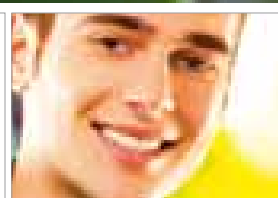
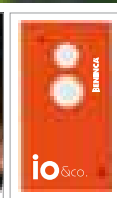
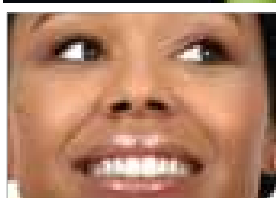


LO.W1LUX

433,92Mhz aerial with 5mts
cable for ID.LUX/ID.LUX24



io&co.



BT.IO
Battery 3v

TRANSMITTERS

433,92 Mhz rolling-code



CUPIDO



- Transmitter with ergonomic and exclusive design
- Available in two versions, red and black, with two or four channels
 - 18 billion billions of combinations
 - Battery power supply 12 Vdc
- The rolling code system makes it safe, reliable and stable at the same time

TRANSMITTERS

433,92 Mhz rolling-code



CU.2NWV

433,92 Mhz 2 channels rolling-code transmitter. Available in 10 pcs packing

CU.4NWV

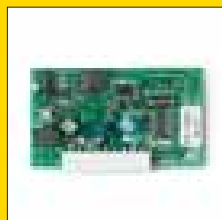
433,92 Mhz 4 channels rolling-code transmitter. Available in 10 pcs packing

RECEIVERS AND ACCESSORIES



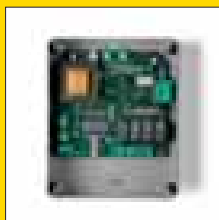
RR.1WBV RR.2WBV

Single or two-channels rolling code receiver with plastic box and terminals. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



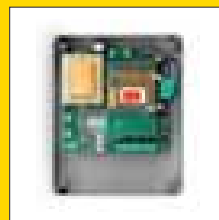
RR.1WIV RR.2WIV

Single or two-channels plug-in rolling code receiver. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



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 193



MEM2048

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



CU.2RWV

433,92 Mhz 2 channels rolling-code transmitter.
Available in 10 pcs packing

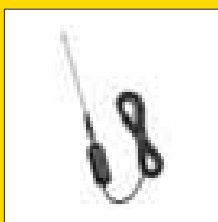
CU.4RWV

433,92 Mhz 4 channels rolling-code transmitter.
Available in 10 pcs packing



AW

433,92Mhz aerial with 5mts cable, it can be installed separately by means of a provided adapter or on flashing lights "LAMP" model



LO.W1LUX

433,92Mhz aerial with 5mts cable for ID.LUX/ID.LUX24



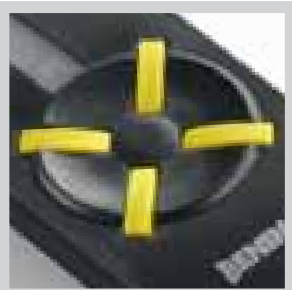
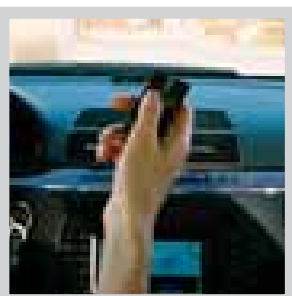
BT12

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

TRANSMITTERS

433,92 Mhz rolling-code

433,92 Mhz programmable code





T2/4WW T2/4WK

- Transmitter available in the rolling code version with two and four channels (T2WW/T4WW) and programmable version (T2WK/T4WK)
 - Battery power supply 12 Vdc
 - 18 billion billions of combinations
- Compatible with the ADVANTAGE programmer for multiple code storage, mod. T2WS/T4WS with sequential code

TRANSMITTERS

433,92 Mhz rolling-code



T2WV T2WVS

433,92 Mhz 2 channels rolling-code transmitter. Available in 10 pcs packing. T2WVS : Sequential self-learning of the transmitters with Advantage system



T4WV T4WVS

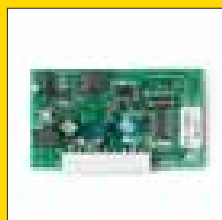
433,92 Mhz 4 channels rolling-code transmitter. Available in 10 pcs packing. T4WVS : Sequential self-learning of the transmitters with Advantage system

RECEIVERS AND ACCESSORIES



RR.1WBV RR.2WBV

Single or two-channels rolling code receiver with plastic box and terminals. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



RR.1WIV RR.2WIV

Single or two-channels plug-in rolling code receiver. Suitable only for rolling-code transmitters. Memory capability up to 512 codes



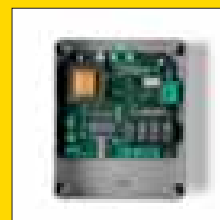
MEM2048

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



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 193



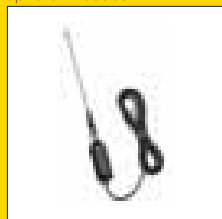
RR.4WBV RR.4WBV24

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



AW

433,92Mhz aerial with 5mts cable, it can be installed separately by means of a provided adapter or on flashing lights "LAMP" model



LO.W1LUX

433,92Mhz aerial with 5mts cable for ID.LUX/ID.LUX24



BT12

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



ST

Support for transmitters T2WVK-T4WVK packing: 10 pcs

433,92 Mhz programmable code



T2WK

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



T4WK

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

RECEIVERS AND ACCESSORIES



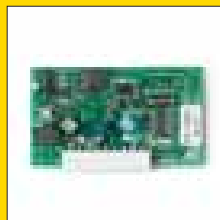
RR.1WBP RR.2WBP

Single or two-channels self-learning receiver with plastic box and terminals. Suitable only for programmable code transmitters. Memory capability up to 16 codes



BT12

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



RR.1WIP RR.2WIP

Single or two-channels self-learning plug-in receiver. Suitable only for programmable code transmitters. Memory capability up to 16 codes



ST

Support for transmitters
T2WK-T4WK packing:
10 pcs



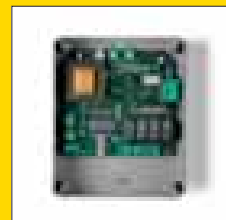
AW

433,92Mhz aerial with 5mts cable,
it can be installed separately by
means of a provided adapter or on
flashing lights "LAMP" model.



LO.W1LUX

433,92Mhz aerial with 5mts
cable for ID.LUX/ID.LUX24



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

TRANSMITTERS

306 Mhz programmable code

433,92 Mhz programmable code

30,875 Mhz programmable code



LO.T2/4E

- Transmitter with dip-switches coding, available with two or four channels
- With door to protect against accidental activations



TRANSMITTERS

30,875 Mhz programmable code
notified Italy



LO.T2E

2 channels transmitters, dip-switches code

30,875 Mhz programmable code
notified Italy



LO.T4E

4 channels transmitters, dip-switches code

RECEIVERS AND ACCESSORIES



RR.1EBP RR.2EBP

Single or two-channels self-learning receiver with plastic box and terminals, for LO.T2/4E



RR.1EIP RR.2EIP

Single or two-channels self-learning plug-in receiver, for LO.T2/4E



LO.E1N

Aerial with 5mts cable



BT12

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

433,92 Mhz programmable code



LO.T2WMS

2 channels transmitters, dip-switches code

306 Mhz programmable code
for non EEC markets only



LO.TX2PS

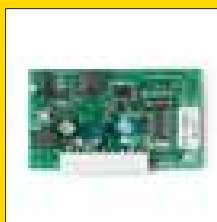
4 channels transmitters, dip-switches code

RECEIVERS AND ACCESSORIES



RR.1WBP RR.2WBP

Single or two-channels self-learning receiver with plastic box and terminals. Suitable only for programmable code transmitters. Memory capability up to 16 codes



RR.1WIP RR.2WIP

Single or two-channels self-learning plug-in receiver. Suitable only for programmable code transmitters. Memory capability up to 16 codes



RR.2ABP

Two-channels self-learning receiver with plastic box and terminals, for LO.TX2PS



RR.2AIP

Two-channels self-learning plug-in receiver, for LO.TX2PS



LO.W1LUX

433,92Mhz aerial with 5mts cable for ID.LUX/ID.LUX24



AW

433,92Mhz aerial with 5mts cable, it can be installed separately by means of aprovid adapter or on flashing lights "LAMP" model



BT12

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

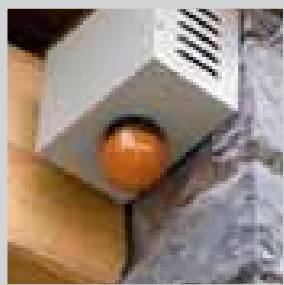
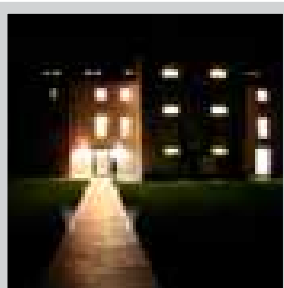


LO.A1N

Aerial with 5mts cable

COMMAND AND CONTROL SYSTEMS

Four-channel receivers



RR.4WBV

RR.4WBV24



RR.4WBV
RR.4WBV24

- Rolling 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
 - 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
- The input for buffer battery with 12 Vdc with integrated recharge control guarantees operation of the receiver even during a power cut
 - Possibility of configuration with the ADVANTAGE SYSTEM and its software
- Possibility of cancelling a single rolling code transmitter already loaded

**Versions available: RR.4WBV supply voltage 230 Vac,
RR.4WBV24 supply voltage 24 Vdc**

COMMAND AND CONTROL SYSTEMS



CALL



CALL

- Four-channel receiver connected to a GSM module which makes it possible to use the device by means of a mobile phone
- Control of 4 automations without limits of distance: one channel can be activated by an interrupted call (zero cost) all four channels can be activated by sending an SMS to the device
- Additional input usable as an alarm device: Call advises the telephone number(s) assigned to this function with a call
- The settings linked to the telephone numbers (store/delete/change settings) and the storage of the rolling-code transmitters are possible without accessing the control panel and without the necessity for the operator to go out, as they can be done via cell 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

PROGRAMMING SYSTEM: ADVANTAGE



ADVANTAGE
Programmer

Inst.	Reference	Model	Serial	Year	Cost	Ref.
1	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
2	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
3	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
4	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
5	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
6	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
7	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
8	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
9	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000
10	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000	10000000000000000000

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

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 "T2/4 VW-TO.GO" transmitters. Included in Advantage packing



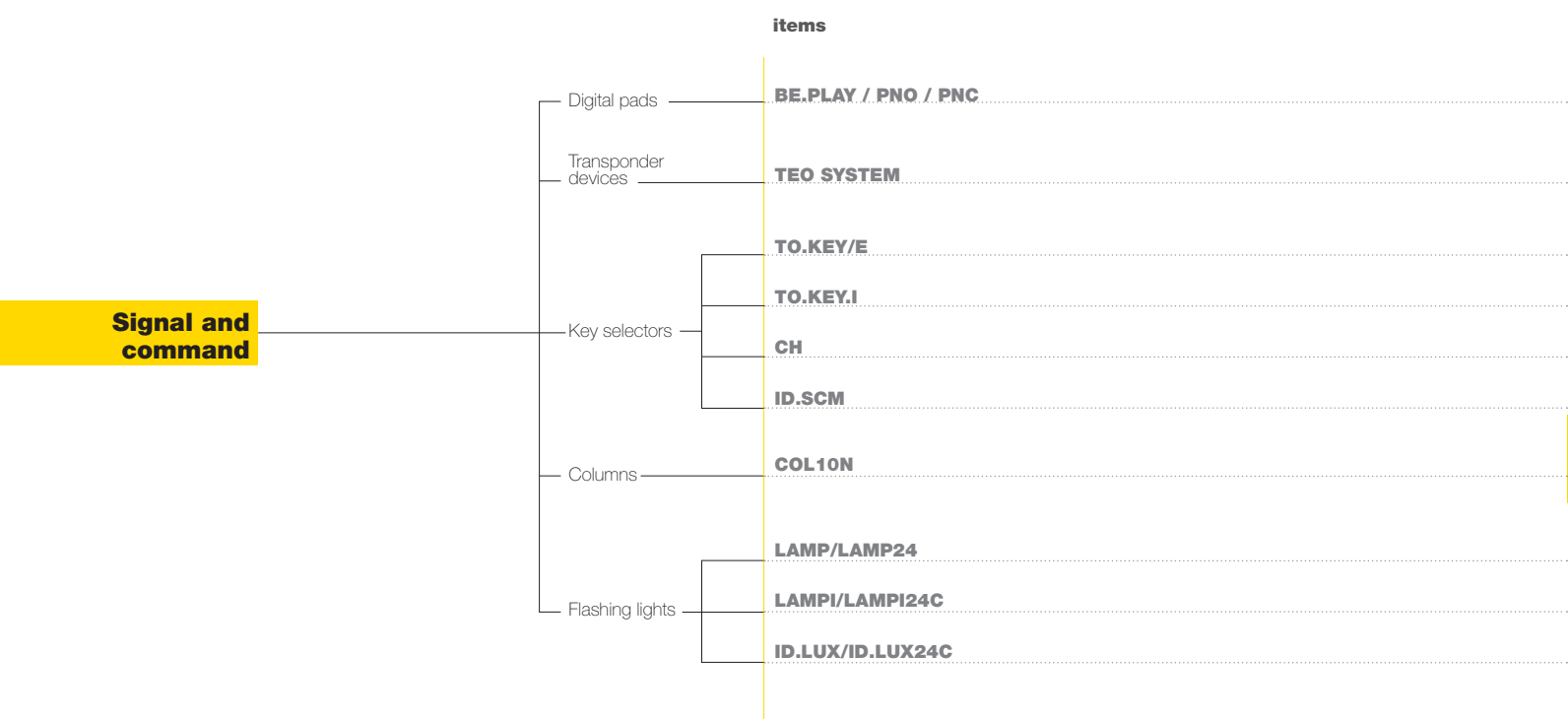
TO.GO2WVS
TO.GO4WVS

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



T2WVS
T4WVS

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

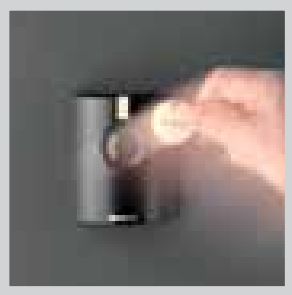


WARNING DEVICES AND SIGNALS

Detection and safety devices

		items
Detection and safety devices	Photocells & accessories	PUPILLA.B
		PUPILLA
		PUPILLA.F
		FTC.S
		SC.P30QIS
	Columns	COL05N
		COL12N
		SC.PEQ / COL.P
		SC.PNQ
	Safety devices	SC.RES - SC.RES65- SC.RL - SC.A - SC.E SC.90 - SC.L - SC.F - SC.GL
		IGF
		SC.M71/72 - SC.R71/72 - SC.F15/20/25 SC.RCS - SC.TCM - 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



BE.PROXY

Proximity reader for TEO/TEO CARD/TO.GO2WWT/
TO.GO4WWT 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.GO2WWT/TO.GO4WWT

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

SIGNAL **AND COMMAND**

DIGITAL PAD AND KEY SELECTOR



BE.PLAY



- Elegant design
- Backlighting digital pad for an easy use in darkness
- Anti-vandalism die cast aluminium container, IP54
- Easy to install in existing installations, only two wires are needed to connect the receiver to the digital pad
- Safe and reliable thanks to the high number of possible combinations of the code
- The digital pad can be installed on the aluminium post by means of a special adapter

SIGNAL AND COMMAND

DIGITAL PAD



BE.PLAY

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

ACCESSORIES



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

PHOTOCELLS & COLUMNS



TOKEY TOKEY.E

TOKEY: Surface mounting key selector

TOKEY.E: Surface mounting key selector with European cylinder



TOKEY.I

Recess mounting key selector



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

Surface mounting push buttons. It can be fitted also on aluminium columns COL10N

PNO: Open / Close

PNC: Step by step / Stop

ACCESSORIES



KY

Plastic container for TOKEY.I



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



CEM

Counterplate to be cemented for SUP base

SIGNAL AND COMMAND FLASHING LIGHTS



LAMP / LAMP24C

LAMP: 230 Vac Flashing light
LAMP24C: 24 Vdc Flashing light



LAMPI / LAMPI24C

LAMPI: 230 Vac Flashing light with built-in 433,92 MHz aerial
LAMPI24C: 24 Vdc Flashing light with built-in 433,92 MHz aerial

ACCESSORIES



SL

Articulated support for LAMP/
LAMP24 flashing lights.



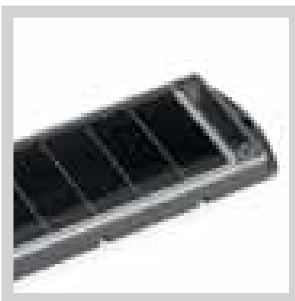
ID.LUX / ID.LUX24C

ID.LUX: 230 Vac Flashing light

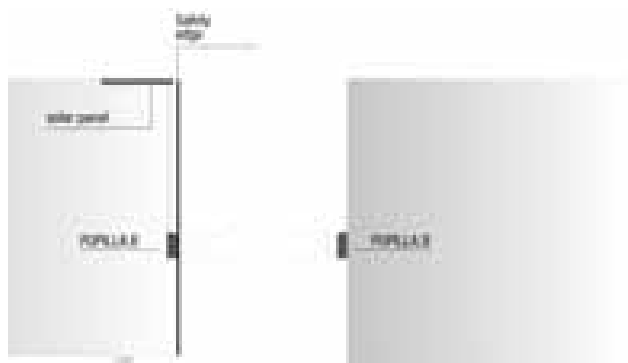
ID.LUX24C: 24 Vdc Flashing light

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

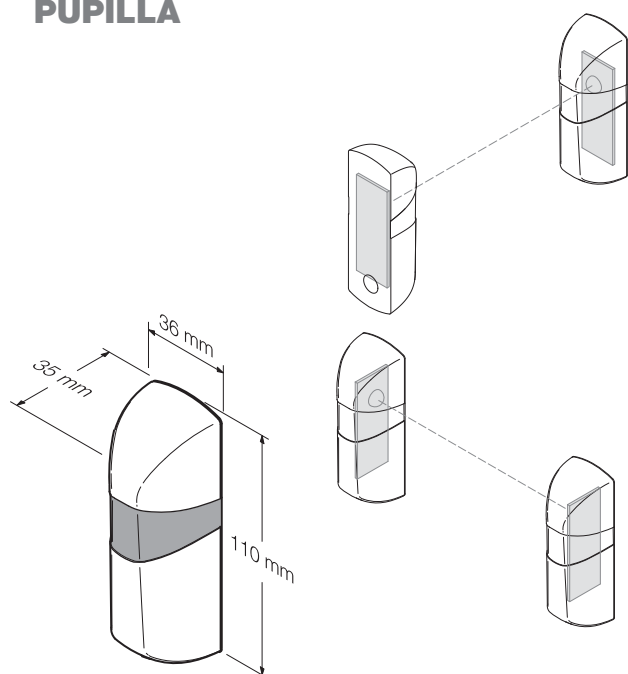
Pair of fixed photocells for external fitting. Compact dimensions 110 x 36 mm, height 31 mm. 24 Vdc power supply. A led makes the centring of the beam easy and fast



FTC.S

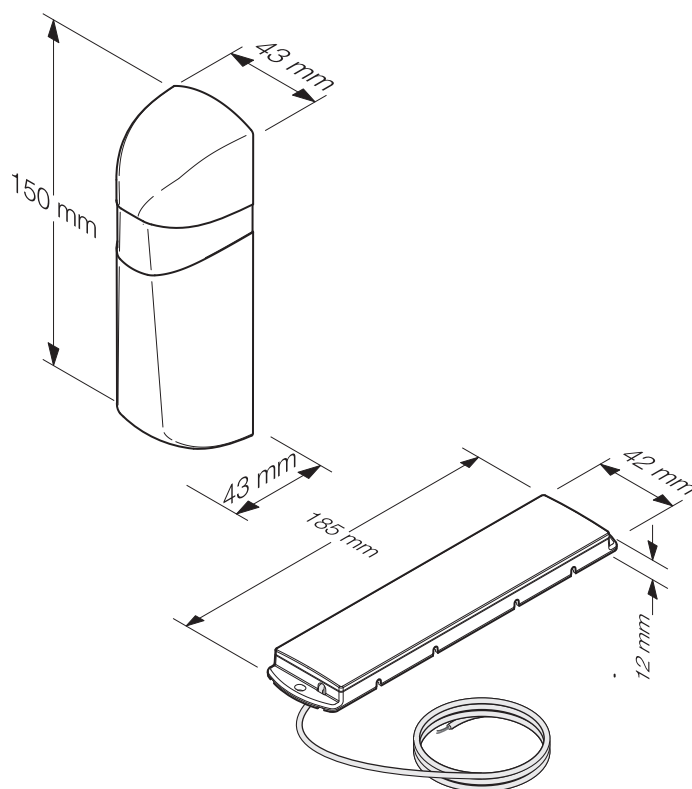
24Vac/dc synchronize surface mounting photocell. It is possible to synchronised up to 4 couple of photocells. They can be fitted also on aluminium columns.

PUPILLA



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

PUPILLA.B



ACCESSORIES



SC.P30QIS

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



SC.PD

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



SF

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



SUN

Photovoltaic panel for
connection to the transmitter
of the PUPILLA.B photocell

DETECTION AND SAFETY DEVICES

COLUMNS



COL05N

Column for FTC.S photocell with base SUP and FPC adapter.
H=0.5 m.
It needs 1 couple of FTC.S



COL12N

Column for FTC.S photocell with base SUP and FPC adapter.
H=1 m.
It needs 1 couple of FTC.S



COL.P

Column in anodised aluminium with base, for the PUPILLA.B/
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

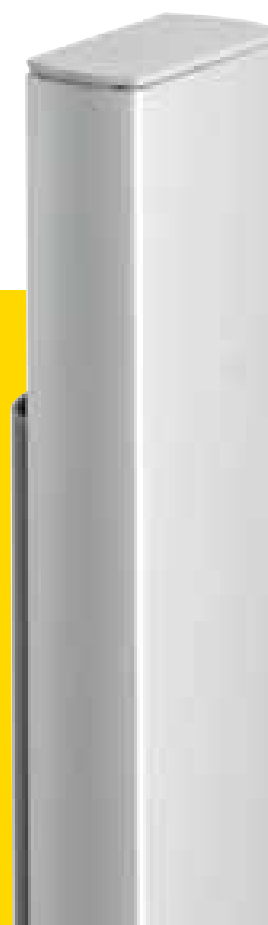


SC.PEQ

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.



DETECTION AND SAFETY DEVICES

SAFETY DEVICES

Conductive safety edge



SC.RES **SC.RES65** **SC.RL**

Safety edge in conductive rubber.
Minimum packing: 20 m. 28.5 mm Width
SC.RES: 25 mm Height
SC.RES65: 65 mm Height
SC.RL: 65 mm Height double lip



SC.A

Aluminium profile for SC.RES / SC.RL / SC.RES65

Packing 2 m



SC.E

Interface for SC.RES / SC.RL safety edge. To be used when the main control panel does not have the "conductive edge input" on board.



SC.90

Angular device set for SC.RES



SC.L

Linear device set for SC.RES



SC.F

Shears for cutting SC.RES at 45°



SC.GL

Cyanoacrylic glue for SC.RES

Instruments for the measuring of the impact-generated forces



IGF

Instruments for the measuring of the impact-generated forces



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.RCS

Receiver for SC.TCM

Pneumatic safety edge



SC.TCM

Radio transmitter for mechanical safety
edge SC.M71 / 72



SC.R15

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



SC.P35

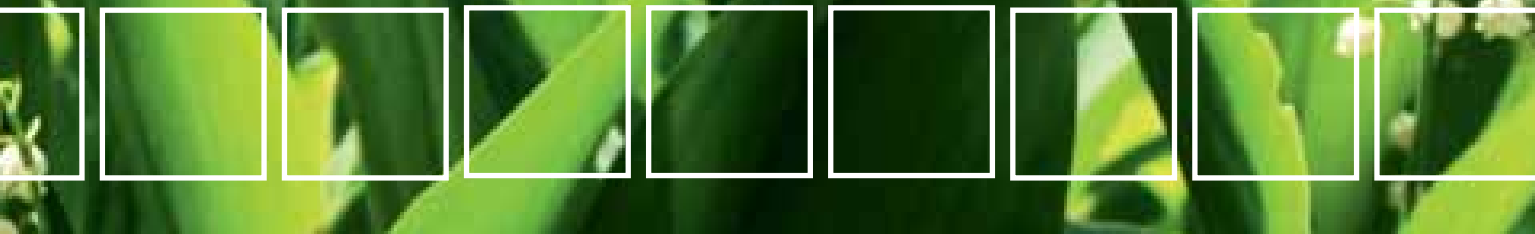
Pneumatic safety edge with plugs and
aluminium profile.
Packing: 40m



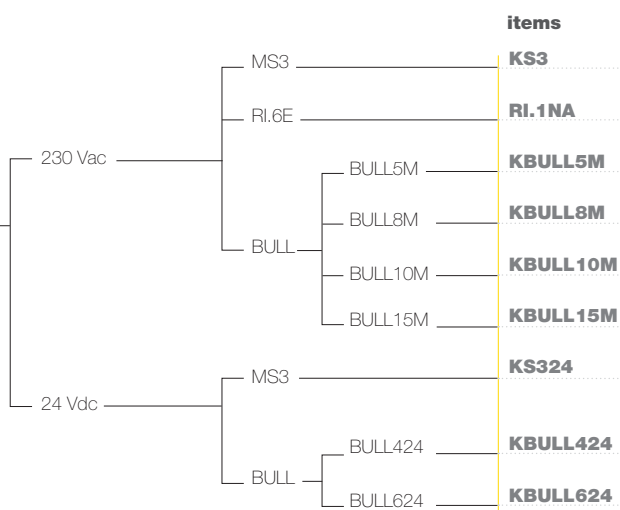
Sets for
Swinging Gates

		items
230 Vac	BOB	KBOB/ KBOB.B
	PREMIER	KPR
	MBE	KMB
	DU.35	KB35
	DU.30	DU.1NA
24 Vdc	BEN	KBN24
	BOB	KBOB24
	PREMIER	KPR24
	MBE	KMB24
	DU.35	KB3524

COMPLETE SETS



Sets for Sliding Gates



Sets for Garage Doors

230 Vac — ZED — **KZED**

230 VAC

For swinging gates
up to 2,1 m

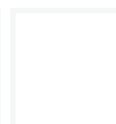
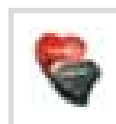
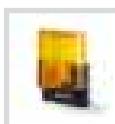


KBOB

- 2 BOB Operators
- 1 HEAD Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 CUPIDO Transmitters
- 1 ID.TA Warning board

KBOB.B

- 2 BOB Operators
- 2 BOB.SR Multiposition brackets
- 1 BRAIN Control unit
- 1 RR.1WV 433,92 Mhz receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 CUPIDO Transmitters
- 1 ID.TA Warning board



for swinging gates up to 3 m



DU.1NA

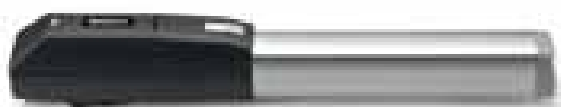
- 2 DU.30 Operators
- 1 HEAD Control unit with built-in receiver
- 2 TO.GO2VW Transmitters
- 1 PUPILLA.F Pair of photocells
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



for swinging gates up to 3 m

KB35

- 2 DU.35 Operators
- 1 HEAD Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2VW Transmitter
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



for swinging gates up to 2,5 m

KMB

- 1 MBE Operator with control unit and receiver
- 1 MB Operator
- 2 BA Articulated arms
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2VW Transmitter
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



230 VAC

for swinging gates
up to 3 m



KPR

- 2 PR.45E Operators
- 1 HEAD Control unit with built in receiver
- 2 DU.E2 Articulated arms
- 1 PUPILLA.F Pair of photocells
- 2 TO.GO2WW Transmitters
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board

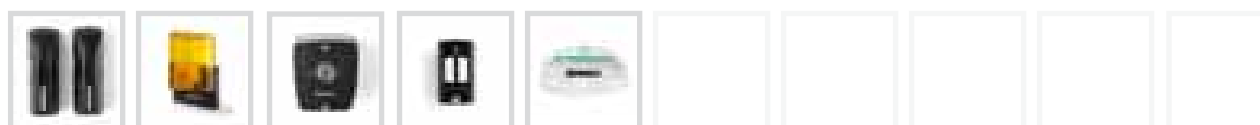


for sliding gates up to 500 kg



KBULL5M

- 1 BULL5M Operator with control unit and built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2WW Transmitter
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



for sliding gates up to 300 kg



KS3

- 1 MS3 Operator with control unit and built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2WW Transmitter
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



for sliding gates up to 600 kg



RI.1NA

- 1 RI.6E Operator with control unit
- 1 PUPILLA.F Pair of photocells
- 2 TO.GO2WW Transmitters
- 1 RR.1WV receiver
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



230 VAC

for sliding gates
up to 800 kg



KBULL8M

- 1 BULL8M Operator with control unit and built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2WW Transmitter
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



for sliding gates up to 1000 kg



KBULL10M

- 1 BULL10M Operator with control unit and built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2WW Transmitter
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board

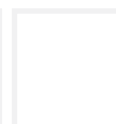
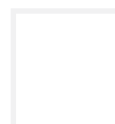
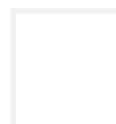
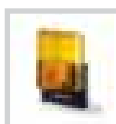


for sliding gates up to 1500 kg



KBULL15M

- 1 BULL15M Operator with control unit and built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2WW Transmitter
- 1 LAMPI Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



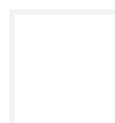
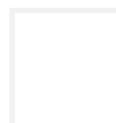
for garage doors up to 12 sqm



KZED

- 1 ZED.RI 230 V operator with control unit and built-in receiver
- 1 CU.2NWW Transmitter
- 1 PUPILLA.F Pair of photocells
- 1 TOKEY Key selector
- 1 LAMPI Flashing light with built-in aerial
- 1 ID.TA Warning table
- 2 AU.D Straight arms

The mounting plate is not included



24 VDC

for swinging gates
up to 2,1 m



KBOB24

- 2 BOB24 24 Vdc operators
- 1 BRAIN24 24 Vdc control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 LAMP124C 24 Vdc flashing light with built-in aerial
- 1 TOKEY Key selector
- 2 CUPIDO Transmitters
- 1 ID.TA Warning board



for swinging gates 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 TO.GO2WV Transmitter
- 1 LAMP124C 24 Vdc Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board

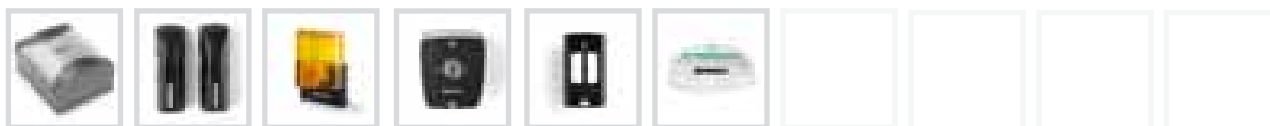


for swinging gates up to 3 m



KB3524

- 2 DU.3524 24Vdc Operators
- 1 BRAIN24 Control unit with built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2WW Transmitter
- 1 LAMPI24C 24 Vdc Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board

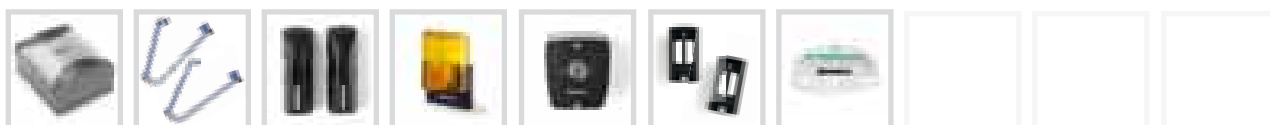


for swinging gates up to 3 m



KPR.24

- 2 PR.45E24 24 Vdc Operators
- 1 BRAIN24 Control unit with built in receiver
- 2 DU.E2 Articulated arms
- 1 PUPILLA.F Pair of photocells
- 2 TO.GO2WW Transmitters
- 1 LAMPI24C 24 Vdc Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board



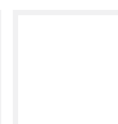
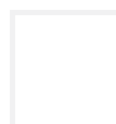
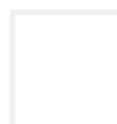
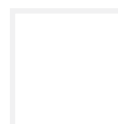
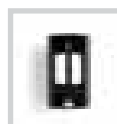
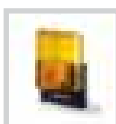
24 VDC

for swinging gates
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 TO.GO2VW Transmitter
- 1 LAMP124C 24 Vdc Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board

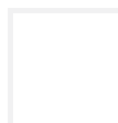
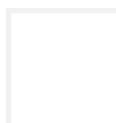
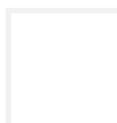
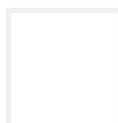
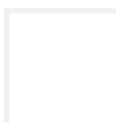


for sliding gates up to 350 kg



KBULL424

- 1 BULL424 24 Vdc Operator with control unit and built-in receiver
- 1 PUPILLA.F Pair of photocells
- 1 TO.GO2VW Transmitter
- 1 LAMP124C 24 Vdc Flashing light with built-in aerial
- 1 TOKEY Key selector
- 1 ID.TA Warning board

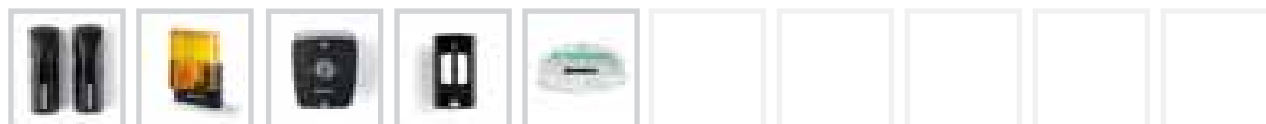


for sliding gates up to 300 kg



KS324

1 MS324 24 Vdc Operator with control unit and built-in receiver
1 PUPILLA.F Pair of photocells
1 TO.GO2WV Transmitter
1 LAMP124C 24 Vdc Flashing light with built-in aerial
1 TOKEY Key selector
1 ID.TA Warning board

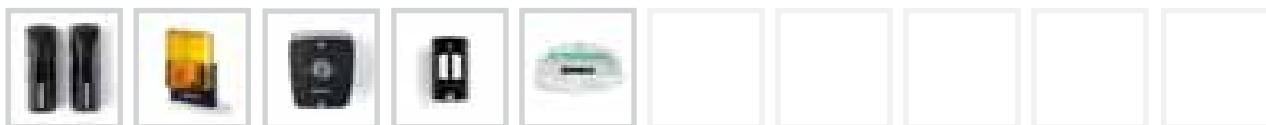


for sliding gates up to 600 kg



KBULL624

1 BULL624 24 Vdc Operator with control unit and built-in receiver
1 PUPILLA.F Pair of photocells
1 TO.GO2WV Transmitter
1 LAMP124C 24 Vdc Flashing light with built-in aerial
1 TOKEY Key selector
1 ID.TA Warning board







CAB, high technology to open

Specialisation as a strategic choice in the market of automations: roller doors, rolling shutters and intensive use swinging gates, are sectors where there is a demand for high technology and reliability. CAB: research and development, direct and flexible production - the ingredients for continuous and growing success. Automatismi CAB is a company of Benincà Group, one of the leading international manufacturer of automations for gates and doors, for residential and industrial use.



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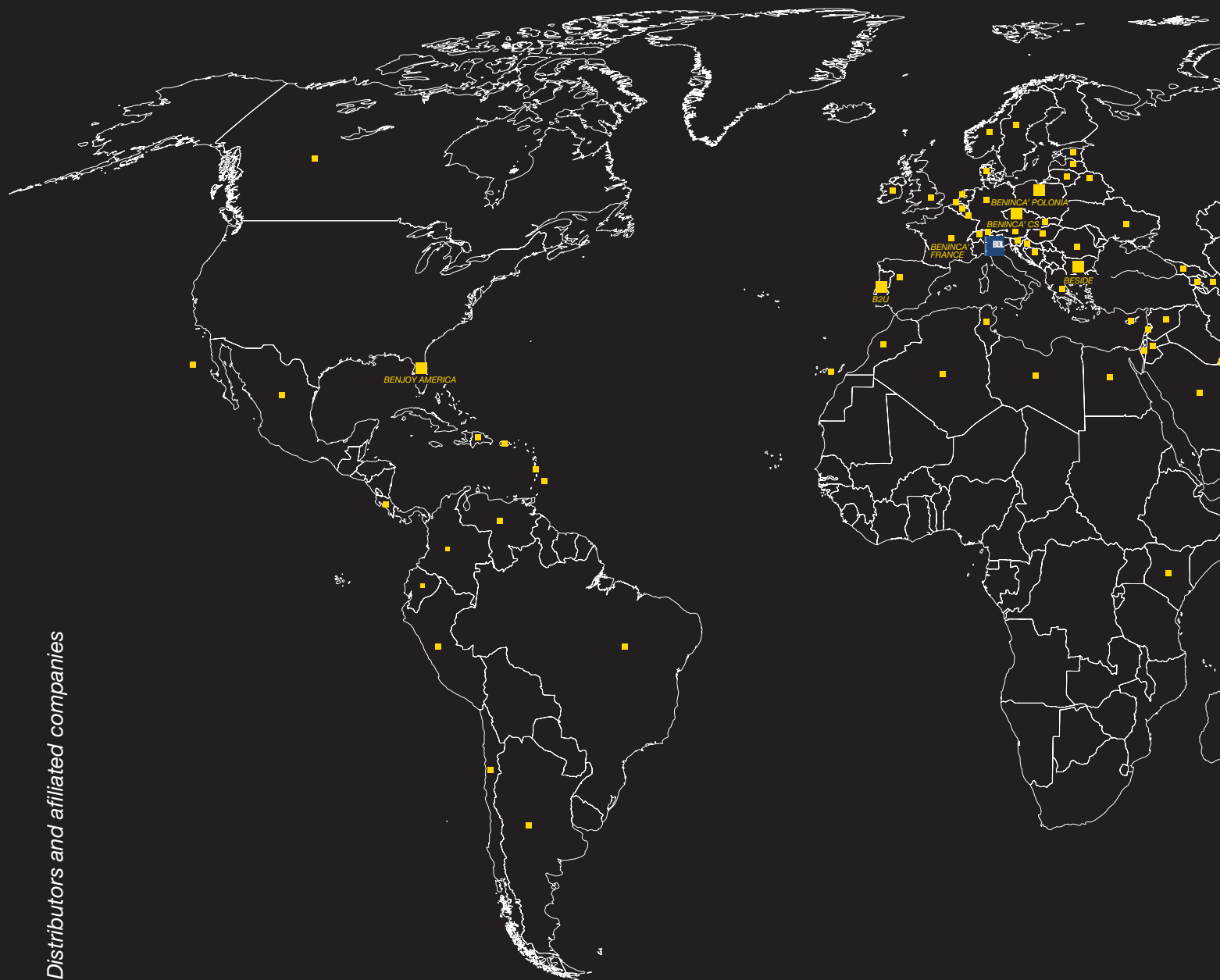
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