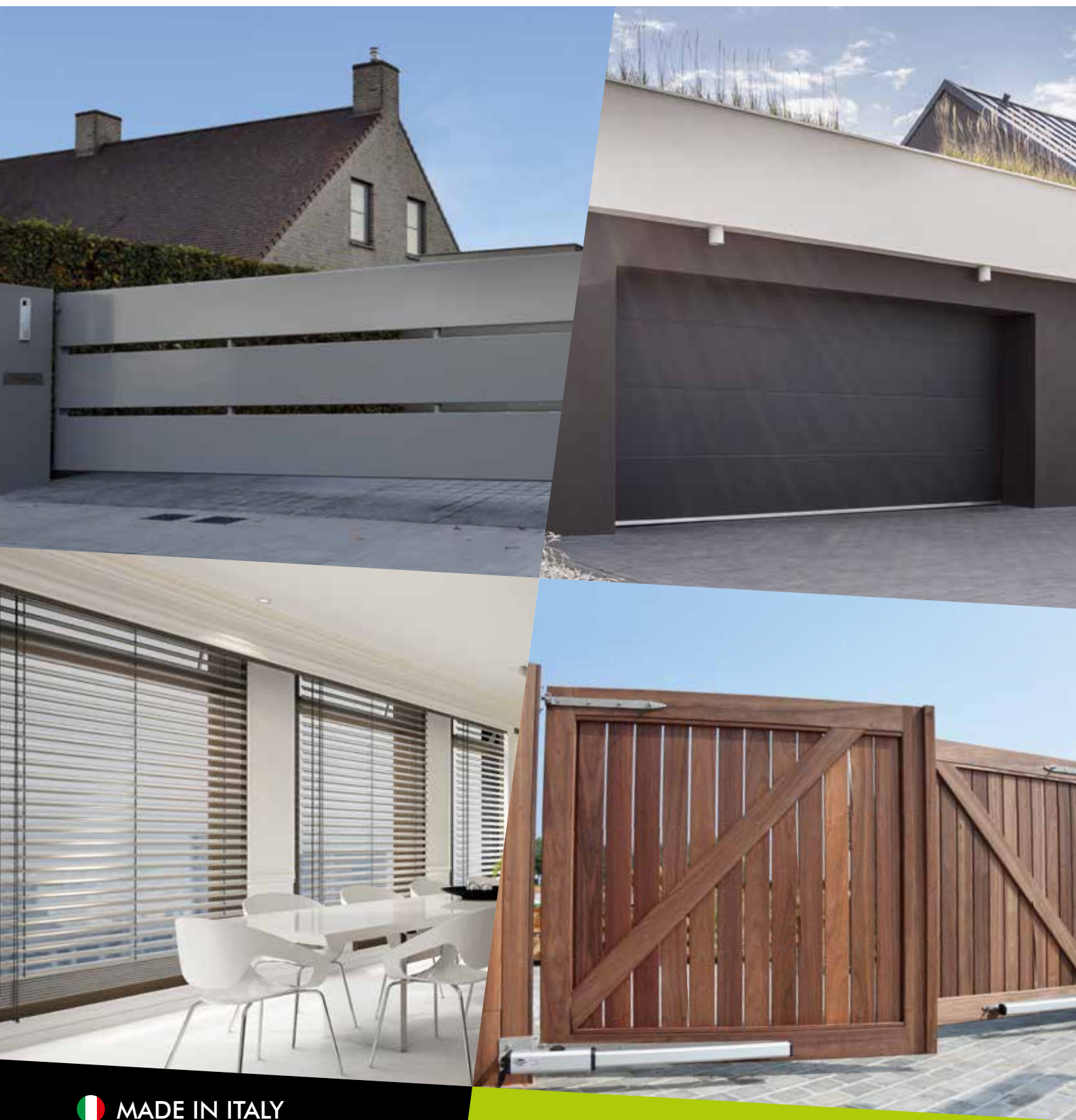


ACCESS CONTROL  
AND AUTOMATION.  
2020 - 2021 CATALOGUE

**G:B:D:**  
CREATIVE AUTOMATIONS



 **MADE IN ITALY**





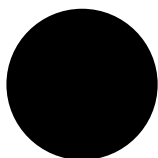
**MADE IN ITALY  
PRODUCTS**



**3 YEARS WARRANTY  
EXTENSION**

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Take advantage of this opportunity and register  
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## ACCESS CONTROL AND AUTOMATION.

2







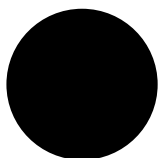
## CREATIVE COMPANY

Founded in Italy, GIBIDI has been manufacturing and distributing high quality automation equipment for over 45 years. Since 1972, GIBIDI had designed and manufactured with quality at the very centre of its ethos. This ethos is reflected in our products and the service we strive to provide.

GIBIDI products are manufactured at two plants: Our Poggio Rusco facility serves as our centre for mechanical design, assembly and testing, whilst at Casale Litta, our team is focused on the design and production of our electrical components and equipment. All in all, GIBIDI has in excess of 6,000 square meters dedicated to bringing our Creative Automations to life.

Today, we have a global reach, with active subsidiaries and specialised distributors in over 40 countries





## ACCESS CONTROL AND AUTOMATION.

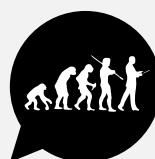
4



### CREATIVE MISSION

GIBIDI mission is creating freedom of movement. Get in and out, open and close gates, garages and all the entrances with a simple gesture in complete comfort.

Freedom of movement for all: end users, dealers, installers.



### CREATIVE EVOLUTION

We look after the requests of the market and the evolution of users need, trying always to be ahead of them.

For this reason we continuously invest in research and development of new solutions to simplify the life of our customers through cutting-edge technologies and services.



## CREATIVE KNOW-HOW

A history of more than 45 years reflects in products quality and technological solutions of GIBIDI automatic devices: for instance the hydraulic system with vacuum-pack circuit, that grants the inalterability and reliability of performances over time, that is an exclusive characteristic in the market.

Thanks to our knowledge and technical mastery, we have been able to develop new services, as the direct and customized technical training for our partners, the warranty for 3 years on our products and a high level technical service.

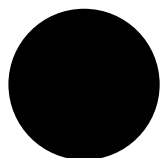


## CREATIVE AUTOMATIONS

GIBIDI creates the best automations thanks to a team of true, enthusiastic and enterprising people, always by customers side and ready for future challenges.

No fears, but always smiling.





**new.**

Dear customer, with real pleasure we present the new catalog for the two-year period 2020-2021. We continue to invest to improve the quality of products and the level of services.

From this year and for the foreseeable future, many innovations will be made available to everyone. Among the most significant are the new range of automatic doors ENTRA and the whole RUNNER series for curtains and shutters, up to the new generation of TOP EVO hydraulic operators and much more.

We are also present on all the major social networks, through which you can stay in touch with us and discover other news.

With GIBIDI for a more creative world



### PASS600-800

New range of professional gearmotors in oil bath for sliding gates



### ENTRA

The new range of automations for automatic doors (EN16005)



### GIOTTO

The new pocket remote control



### TOP EVO

The new range of hydraulic operators with slowdowns, aluminum flange and much more to discover



### MINNOW

Sliding gates operator for residential use







## MPS

Range expansion, more powerful twin-engine versions



## RUNNER

New range with radio-electronic and wireless motors



## DPT280

Range extension with new 800 mm high model



## SR300

New control units for rolling shutters, windows shutters and awnings



## DCD300

New IP66 anti-vandal keypad



## MAKO 868

New range of remote controls and radio receivers with 868MHz frequency



## CMK

New range of 12978 certified safety edges, also NO TOUCH



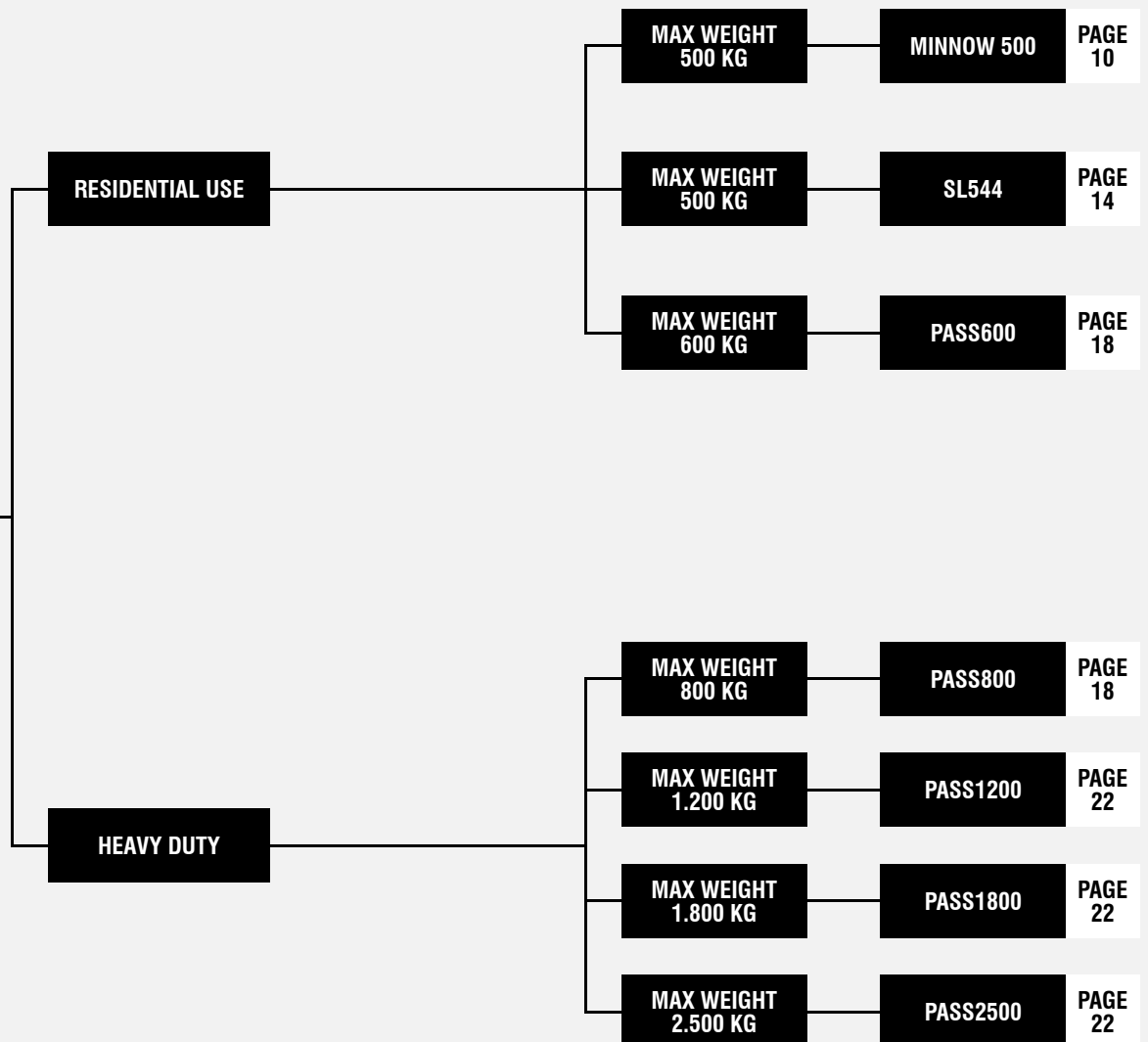


## SLIDING GATES SYSTEMS.

8



ELECTROMECHANICS





## SLIDING GATES SYSTEMS.

10

MINNOW

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 500KG

Irreversible electromechanical gearmotor in 230Vac for sliding gates of medium size and weight (up to 500 Kg). For residential use.

### EASY TO INSTALL

Control unit in a very good position for the installer.

### SILENT AND STRONG

Made with metal gears. Painted aluminium body that makes it reliable over time.

### PERFORMING

Small but strong. High precision gears guarantees noiseless movement and robustness.

### TECHNOLOGICAL AND SAFE

Integrated control unit with built-in radio receiver. A very safe and user friendly system.

### DESIGN

The most compact of its category.



POWERFUL  
ELECTRIC MOTOR



SC130 CONTROL UNIT  
WITH EMBEDDED  
RADIO RECEIVER

PAINTED  
MOTOR BODY



MANUAL RELEASE  
DEVICE WITH  
PERSONALISED KEY



DOWNLOAD  
MORE CONTENT

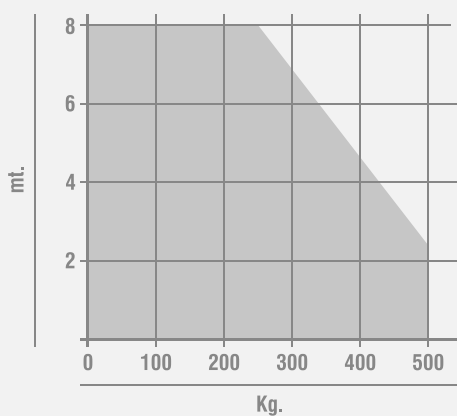


## TECHNICAL FEATURES

11

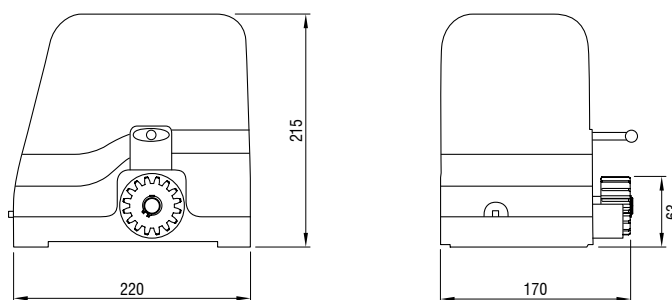
	MINNOW 500
Type of use	RESIDENTIAL
Frequency of use	40%
Motor power supply	230Vac - 50/60Hz
Absorbed power	250W
Protection degree	IP44
Gate speed	150 mm/s (9 m/min) - Z=16 M4
Max torque	12 Nm
Nominal torque	10 Nm
Adjustable torque	ELECTRONIC
Adjustable speed	NO
Max gate weight	500 Kg
Operating temperature	-20°C + 60°C
Thermal switch	140°C
Type of lubrication	GREASE GBD PH-02
Weight of the unit	8,2 Kg

## APPLICATION DIAGRAM



■ MINNOW 500

## DIMENSIONS





## SLIDING GATES SYSTEMS.



12


MINNOW

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 500KG

				Code
<b>1</b>	<b>MINNOW 500</b> With embedded <b>SC130</b> control unit, embedded radio receiver	1	30	<b>950059</b>
	<b>MINNOW 500</b> Without control unit	1	30	<b>95000</b>

 Foundation plate included

### ACCESSORIES



#### AJ91111

Steel core gear rack module 4,  
with nylon fiber coating, max 600kg



#### AJ91112/3

4 mt of C40 steel gear rack module 4 (30x12)  
with 12 spacers. For gates over 600 kg.

## MINNOW

## KIT

13

KIT MINNOW	1	2	3	4	5	6	7				Code
	x1	x1	x1	x2	x1	x1	x1		1	30	K170/BFSLT

### INCLUDED IN THE KIT:



**1 MINNOW 500**  
With SC130 control unit  
and foundation plate



**2 70710**  
Complete flashing lamp  
device DSL70710  
230 Vac



**3** Radio receiver board



**4 AU03100**  
MAKO remote control  
433Mhz



**5 AU01940**  
Wall mounted key selector  
model DCS100

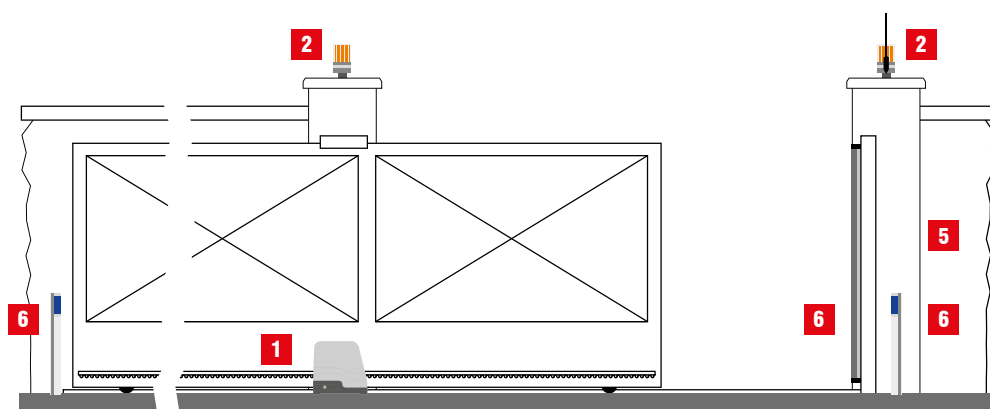


**6 AU02250**  
Pair of DCF180  
wall mounted photocells



**7 AJ75800**  
Gate warning plate

### INSTALLATION LAY-OUT





## SLIDING GATES SYSTEMS.

14

SL544

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 500KG

Electromechanical irreversible gearmotor for sliding gates of small and medium size (up to 500 Kg). Suitable for residential use.

### EASY TO INSTALL

Thanks to the encoder technology, the new graphic display, that guides you step-by-step, and self-learning. Possibility of adjustments on horizontal and vertical axis.

### SILENT AND STRONG

Thanks to the steel and bronze-aluminium gears that make it reliable over time.

### FAST AND RELIABLE

Fast movement up to 22cm/sec and 24 Vdc technology, highest level of safety, as provided in EN 12453 standards.

### TECHNOLOGICAL

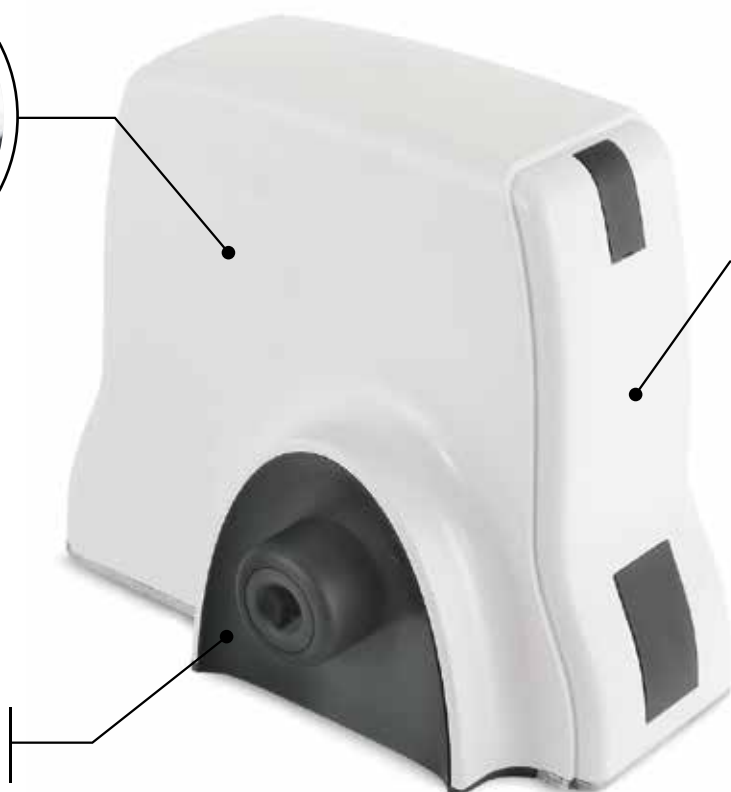
Control unit SE24 built-in with automatic learning function of gate parameters. RTC (Real Time clock) with battery to manage timer and logs events.

### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



EMBEDDED  
CONTROL UNIT



PAINTED  
ALUMINIUM  
STRUCTURE



STEEL MADE  
GEARS



BACKLIT GRAPHIC  
DISPLAY



DOWNLOAD  
MORE CONTENT

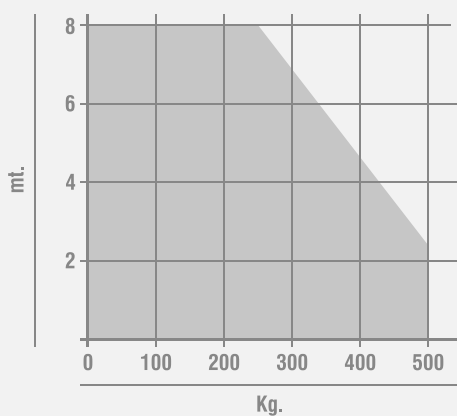


## TECHNICAL FEATURES

15

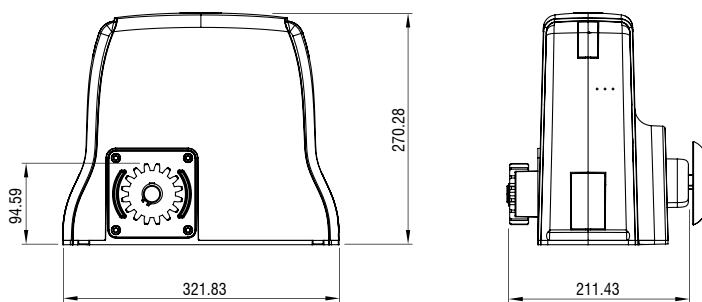
	SL544
Type of use	HEAVY DUTY
Frequency of use	90%
Motor power supply	24 Vdc
Absorbed power	100W
Protection degree	IP55
Gate speed	220 mm/s (13 m/min) - Z=16 M4
Max torque	12 Nm
Nominal torque	6 Nm
Adjustable torque	ELECTRONIC
Adjustable speed	YES
Max gate weight	500 Kg
Operating temperature	-20°C + 60°C
Max gate width	6 m
Type of lubrication	GREASE GBD WH-01
Weight of the unit	8 Kg

## APPLICATION DIAGRAM



■ SL 544

## DIMENSIONS





## SLIDING GATES SYSTEMS.

16

SL544

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 500KG

					Code
<b>1</b>	<b>SL544</b>	With embedded <b>SE24*</b> control unit, decelerations, anti-crushing	<b>1</b>	<b>30</b>	<b>975044</b>
		Foundation plate not included			
		Control unit technical details, see page 131			

### ACCESSORIES



**AJ00600**  
Manual release device  
with personalized keys



**A90702P**  
Spare handle for SL  
release device



**AJ92190**  
Foundation plate  
for SL and PASS



**AJ00910**  
"L" shaped bracket for  
magnetic limit switches  
(to be welded)



**AJ00605**  
Plastic enclosure  
for SL battery back-up



**AJ00606**  
24V Battery charger board  
for AJ00605



**AJ00900**  
Nr 1 battery (12V - 1.9Ah).  
For 24V system need 2 pcs.



**AJ91111**  
Steel core gear rack module 4,  
with nylon fiber coating, max 600kg



**AJ91112/3**  
4 mt of C40 steel gear rack module 4 (30x12)  
with 12 spacers. For gates over 600 kg.

**SL544**

**KIT**

**17**

KIT SL544	1	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1	EN	1	30	Code
																		K544/BFSLT

#### INCLUDED IN THE KIT:



**1 SL544**  
with embedded SE24  
control unit



**2 70724**  
Complete flashing lamp  
device DSL70724  
24 Vdc



**3** Radio receiver board



**4 AU03100**  
MAKO remote control  
433Mhz



**5 AU01940**  
Wall mounted key selector  
model DCS100

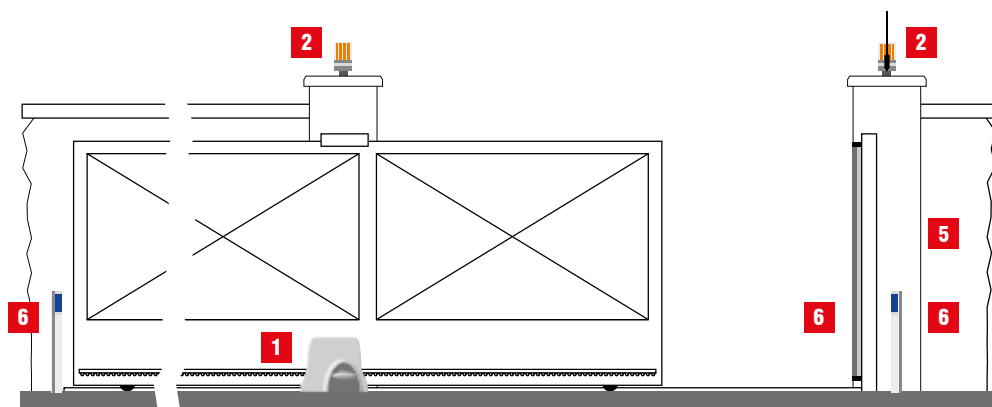


**6 AU02250**  
Pair of DCF180  
wall mounted photocells



**7 AJ75800**  
Gate warning plate

#### INSTALLATION LAY-OUT





## SLIDING GATES SYSTEMS.

18

PASS 600 - 800

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 800KG

Irreversible electromechanical gearmotor in 230 Vac for sliding gates of medium size and weight (up to 800 Kg), for residential and heavy use.

### EASY TO INSTALL

Control unit in a very good position for the installer.  
Possibility of adjustments on horizontal and vertical axis.

### SILENT AND STRONG

Made with heat-treated gears, big size, completely in oil bath.  
Painted aluminium structure, that makes it reliable over time.

### PERFORMING

Special motors in oil bath for the best yield even in case of

heavy use, versions with mechanical double-disc clutch.  
New irreversible and anti-sliding gears.

### TECHNOLOGICAL AND SAFE

Built-in control unit provided with all the inputs for safety devices, embedded encoder technology for a simple self-learning and the adjustment of the anti-crushing sensitivity. Highest safety level, as provided in EN 12453 standards.

### DESIGN

The most compact of its category because of its direct horizontal motor, only 10 cm of thickness.



EMBEDDED  
CONTROL UNIT



BEARINGS  
OPERATED MANUAL  
RELEASE DEVICE



OIL BATH HARDENED  
STEEL GEARS



ADJUSTABLE STEEL  
BRACKETS



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MORE CONTENT

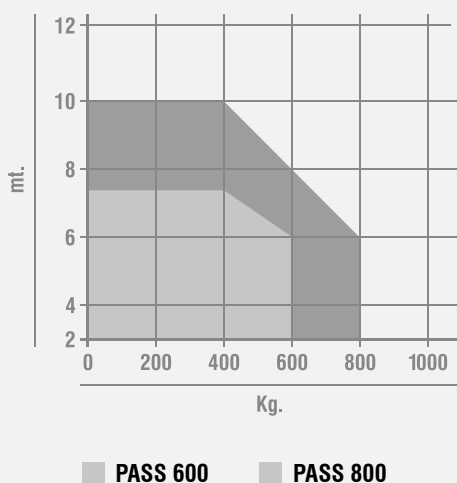


## TECHNICAL FEATURES

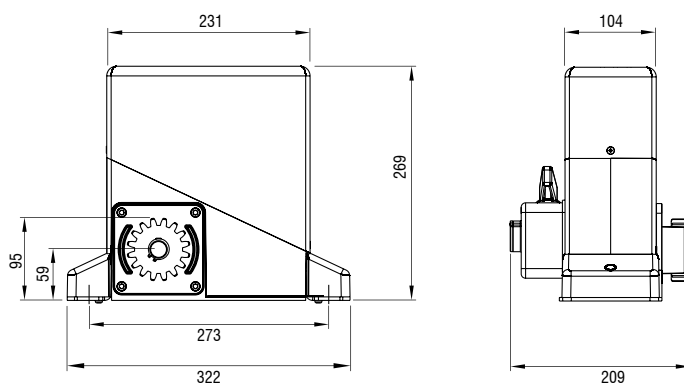
19

	PASS 600	PASS 800
Type of use	HEAVY DUTY	HEAVY DUTY
Frequency of use	60%	40%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	350W	400W
Protection degree	IP55	IP55
Gate speed	160 mm/s (9,6 m/min) - Z=16 M4	160 mm/s (9,6 m/min) - Z=16 M4
Max torque	20 Nm	24 Nm
Adjustable torque	ELECTRONIC	MECHANICAL/ELECTRONIC
Adjustable speed	YES	YES
Max gate weight	600 Kg	800 Kg
Operating temperature	-20°C + 60°C	-20°C + 60°C
Thermal switch	140°C	140°C
Type of lubrication	OIL GBD PH-01	OIL GBD PH-01
Weight of the unit	11 Kg	12 Kg

## APPLICATION DIAGRAM



## DIMENSIONS





## SLIDING GATES SYSTEMS.

20

PASS 600 - 800

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 800KG

					Code
	PASS621	Without control unit, with limit switch board only	SF	1 30	9270069N
1A	PASS641E	With embedded <b>SC230E*</b> control unit, decelerations, anti-crushing	SF EN	1 30	927706A9N
	PASS820	Without control unit, with limit switch board only		1 30	9270089N
1B	PASS840E	With embedded <b>SC230E*</b> control unit, decelerations, anti-crushing	EN	1 30	927708A9N
1C	PASS841E	With embedded <b>SC230E*</b> control unit, decelerations, anti-crushing	SF EN	1 30	927708A9L/N

! Foundation plate not included

\* Control unit technical details, see page 138

SF Model without mechanical clutch

### ACCESSORIES



**AJ92190**  
Foundation plate  
for SL and PASS



**AJ00910**  
"L" shaped bracket for magnetic  
limit switches (to be welded)



**AJ00590**  
Fast pinion Z=18 M4,  
173mm/sec








**AJ00480**  
Wider pinion  
Z=16 M4



**AJ91111**  
Steel core gear rack module 4,  
with nylon fiber coating, max 600kg



**AJ91112/3**  
4 mt of C40 steel gear rack module 4 (30x12)  
with 12 spacers. For gates over 600 kg.

																			Code	
KIT PASS 641E	1A	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1		SF	EN	1	30	K8266N/BFSLT
KIT PASS 840E	1B	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1			EN	1	30	K8256N/BFSLT
KIT PASS 841E	1C	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1		SF	EN	1	30	K8256LN/BFSLT

### INCLUDED IN THE KIT:



**1 PASS 600-800**  
PASS operator with  
embedded SC230E  
control unit



**2 70710**  
Complete flashing lamp  
device DSL70710  
230 Vac



**3 AU02910**  
2 channels plug-in  
receiver board  
for control units



**4 AU03100**  
MAKO remote control  
433Mhz



**5 AU01940**  
Wall mounted key selector  
model DCS100

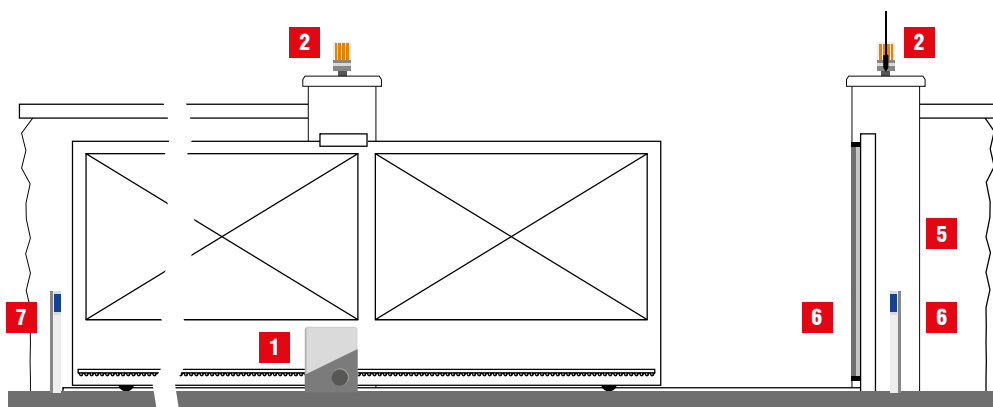


**6 AU02250**  
Pair of DCF180  
wall mounted photocells



**7 AJ75800**  
Gate warning plate

## INSTALLATION LAY-OUT





## SLIDING GATES SYSTEMS.

22

PASS 1200 - 1800 - 2500

230-380V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 2500KG

Irreversible electromechanical gear motor in 230 Vac and 380 Vac three-phase for sliding gates of big size and weight (up to 2.500 Kg), for heavy duty.

### EASY TO INSTALL

Control unit in a very good position for the installer.  
Encoder technology for an easy auto-learning set up.  
Possibility of adjustments on horizontal and vertical axis.

### SILENT AND STRONG

Made with heat-treated gears, big size, completely in oil bath (1 kg of oil). Painted aluminium structure that makes it reliable over time.

### PERFORMING

Special motors in oil bath for the best yield even in case of heavy use, versions with mechanical double-disc clutch.  
New irreversible and anti-sliding gears.

### TECHNOLOGICAL AND SAFE

Built-in control unit provided with all the inputs for safety devices, embedded encoder technology for a simple self-learning and the adjustment of the anti-crushing sensitivity.  
Highest safety level, as provided in EN 12453 standards.

### DESIGN

The most compact of its category because of its direct horizontal motor, only 14 cm of thickness.



EMBEDDED  
CONTROL UNIT



OIL BATH HARDENED  
STEEL GEARS

BEARINGS  
OPERATED MANUAL  
RELEASE DEVICE



OIL BATH  
DUAL DISK CLUTCH



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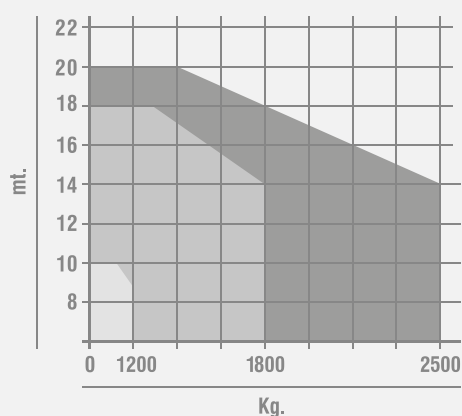


## TECHNICAL FEATURES

23

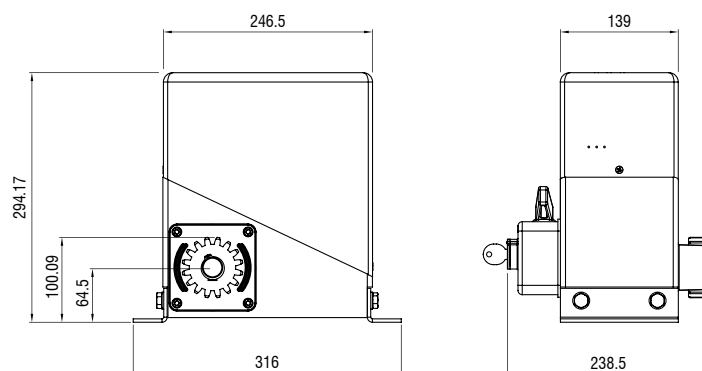
	PASS1200	PASS1800	PASS2500
Type of use	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY
Frequency of use	90%	60%	70%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	380 Vac - 3 phase
Absorbed power	700W	700W	750W
Protection degree	IP55	IP55	IP55
Gate speed	150 MM/S (9 M/MIN) - Z=16 M4	150 mm/s (9 m/min) - Z=16 M4	150 mm/s (9 m/min) - Z=16 M4
Max torque	50 Nm	60 Nm	90 Nm
Adjustable torque	MECHANICAL/ELECTRONIC	MECHANICAL/ELECTRONIC	MECHANICAL
Adjustable speed	YES	YES	NO
Max gate weight	1.200 Kg	1.800 Kg	2.500 Kg
Operating temperature	-20°C + 60°C	-20°C + 60°C	-20°C + 60°C
Thermal switch	140°C	140°C	140°C
Type of lubrication	OIL GBD PH-02 (1 Kg)	OIL GBD PH-02 (1 Kg)	OIL GBD PH-02 (1 Kg)
Weight of the unit	15 Kg	15 Kg	15 Kg

## APPLICATION DIAGRAM



■ PASS 1200/30/40 ■ PASS 1800/30/40 ■ PASS 2500

## DIMENSIONS





## SLIDING GATES SYSTEMS.



24

**PASS 1200 - 1800 - 2500**

**230-380V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**UP TO 2500KG**

					Code
	<b>PASS1220</b>	Without control unit, with limit switch board only	1	36	9390129
<b>1B</b>	<b>PASS1240E</b>	With embedded <b>SC230E*</b> control unit, decelerations, anti-crushing <b>EN</b>	1	36	939712A9
	<b>PASS1221</b>	Without control unit, with limit switch board only <b>SF</b>	1	36	9390129L
<b>1A</b>	<b>PASS1241E</b>	With embedded <b>SC230E*</b> control unit, decelerations, anti-crushing <b>SF EN</b>	1	36	939712A9L
	<b>PASS1820</b>	Without control unit, with limit switch board only	1	36	9390189
<b>1D</b>	<b>PASS1840E</b>	With embedded <b>SC230E*</b> control unit, decelerations, anti-crushing <b>EN</b>	1	36	939718A9
	<b>PASS1821</b>	Without control unit, with limit switch board only <b>SF</b>	1	36	9390189L
<b>1C</b>	<b>PASS1841E</b>	With embedded <b>SC230E*</b> control unit, decelerations, anti-crushing <b>SF EN</b>	1	36	939718A9L
	<b>PASS2500</b>	<b>380Vac/3-phases</b> , without control unit, with limit switch board only	1	36	939025
	<b>PASS2500E</b>	<b>380Vac/3-phases</b> , without control unit, with limit switch board and encoder only <b>EN</b>	1	36	939025A

**!** Foundation plate not included

**\*** Control unit technical details, see page 138

**SF** Model without mechanical clutch

### ACCESSORIES



**AJ92190**  
Foundation plate  
for SL and PASS



**AJ00910**  
"L" shaped bracket for magnetic  
limit switches ( to be welded)









**AJ00580**  
Fast pinion Z=18 M4,  
173mm/sec



**AJ00470**  
Wider pinion  
Z=16 M4



**AJ91112/3**  
4 mt of C40 steel gear rack module 4 (30x12)  
with 12 spacers. For gates over 600 kg.

																Code					
KIT PASS 1241E	1A	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1			SF	EN	1	30	K1241E/BFSLT
KIT PASS 1240E	1B	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1				EN	1	30	K1240E/BFSLT
KIT PASS 1841E	1C	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1			SF	EN	1	30	K1841E/BFSLT
KIT PASS 1840E	1D	x1	2	x1	3	x1	4	x2	5	x1	6	x1	7	x1				EN	1	30	K1840E/BFSLT

**!** The kit is supplied in multiple packages

### INCLUDED IN THE KIT:



**1 PASS 1200-1800**  
PASS operator with  
embedded SC230E  
control unit



**2 70710**  
Complete flashing lamp  
device DSL70710  
230 Vac



**3 AU02910**  
2 channels plug-in  
receiver board  
for control units



**4 AU03100**  
MAKO remote control  
433Mhz



**5 AU01940**  
Wall mounted key selector  
model DCS100

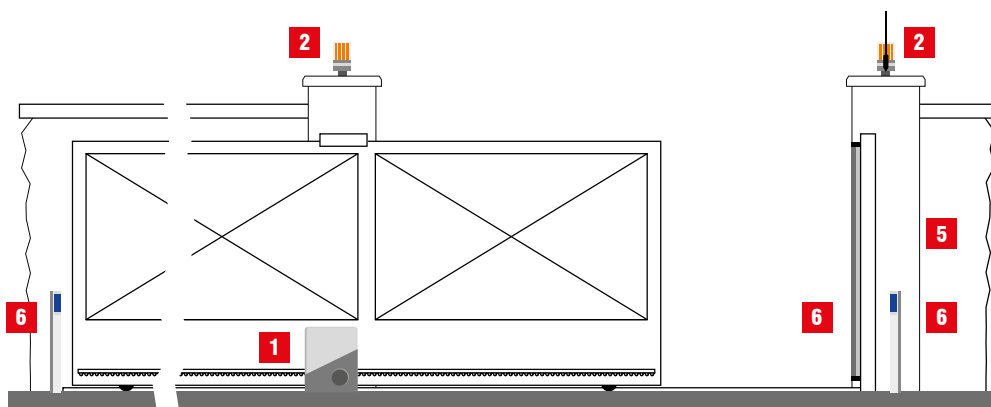


**6 AU02250**  
Pair of DCF180  
wall mounted photocells



**7 AJ75800**  
Gate warning plate

## INSTALLATION LAY-OUT





SWING GATE SYSTEMS.

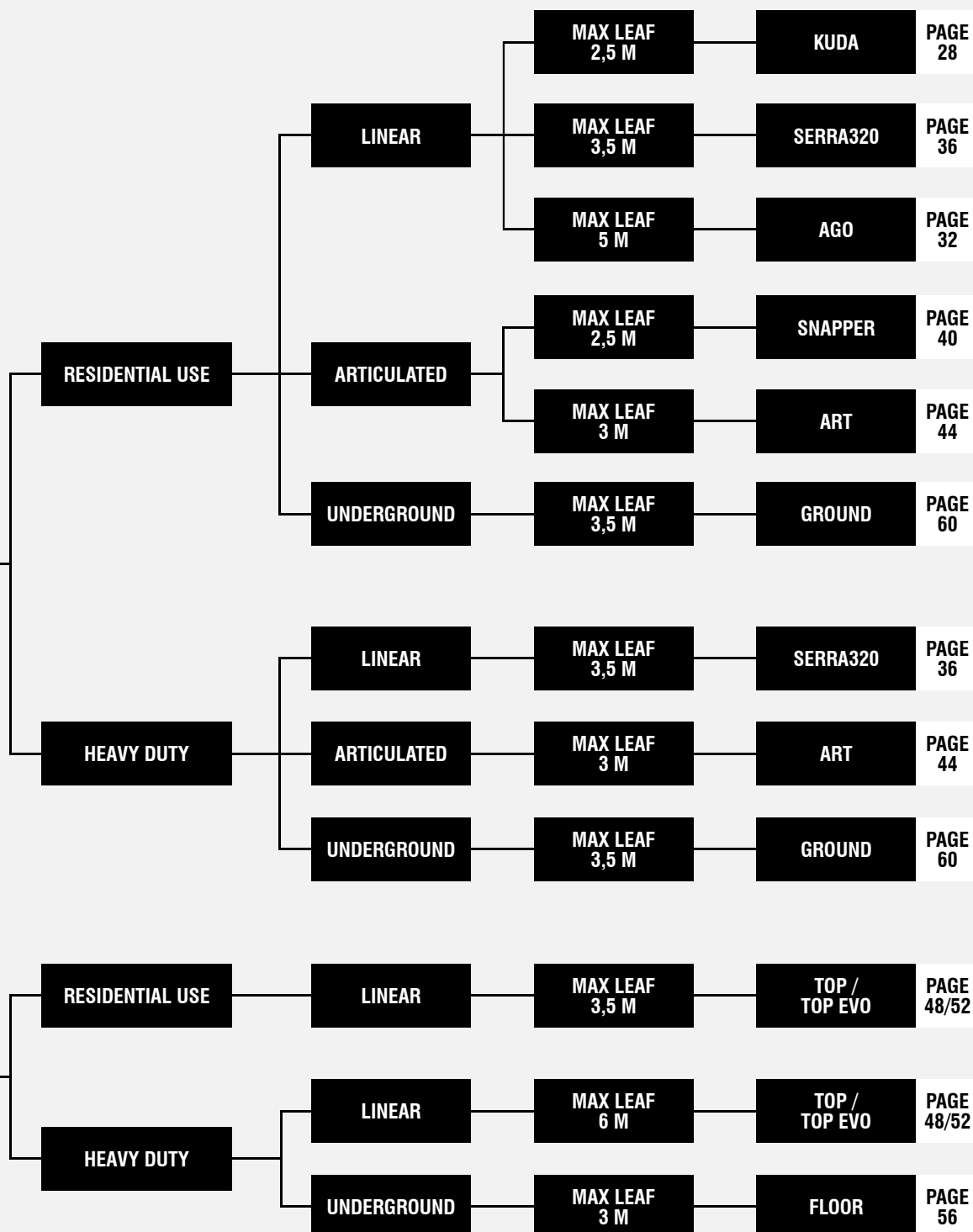
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ELECTROMECHANICS

HYDRAULICS







## SWING GATE SYSTEMS.

28

KUDA

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Electromechanical operator in 24Vdc with encoder, for swinging gates of small size and weight, for residential use.

### EASY TO INSTALL

Thanks to the adjustable brackets, that it is not necessary to weld. The control unit offers the complete self-learning function.

### SILENT AND FAST

Made with gears in steel, bronze-aluminium and special polymers. This combination allows managing a high and adjustable speed of movement.

### TECHNOLOGICAL AND SAFE

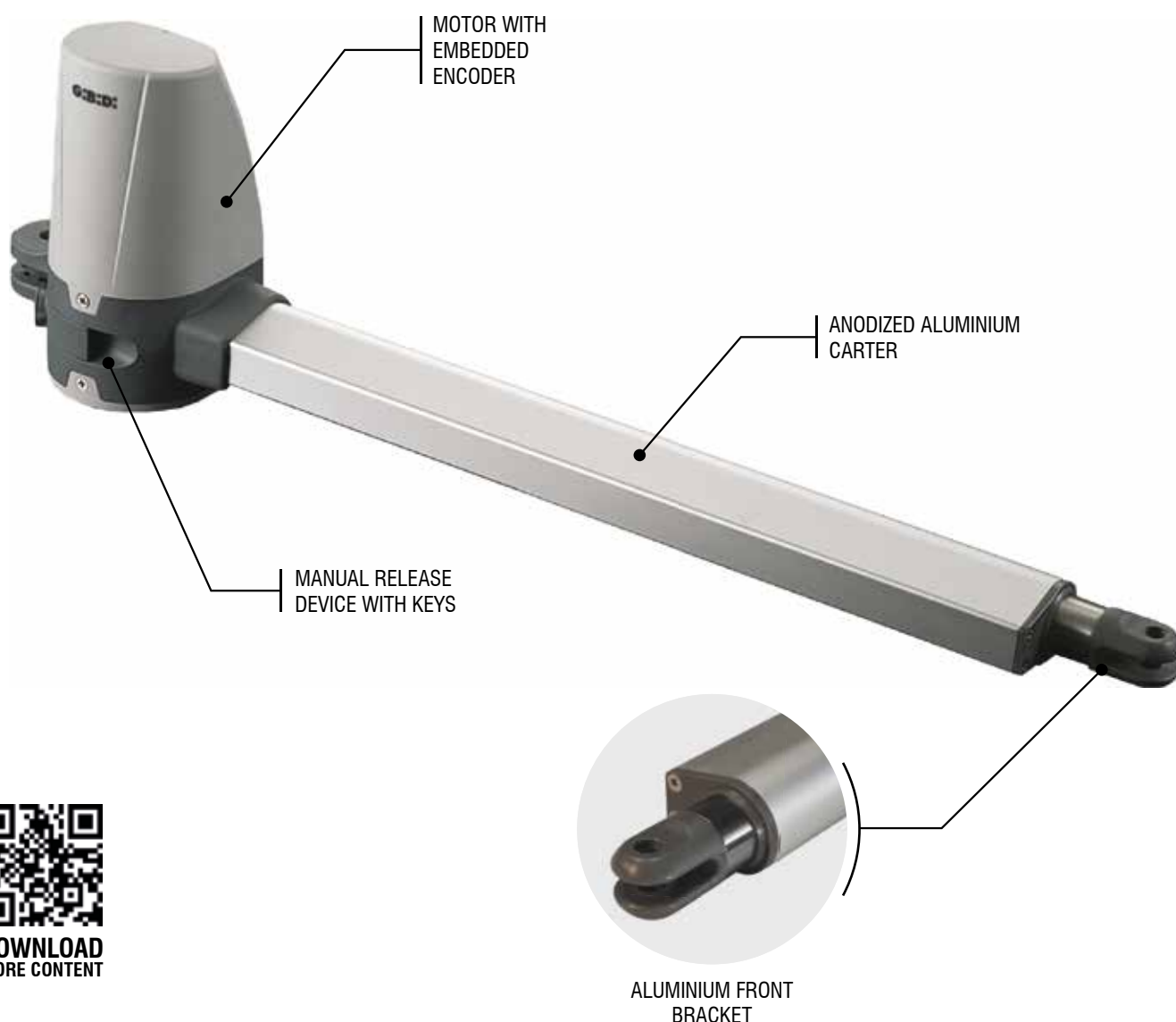
Built-in innovative encoder technology. Thanks to the GIBIDI control unit provided with all the inputs for safety devices, included the encoder sensor for the adjustment of the integrated anti-crushing sensitivity it is possible to meet the highest safety level, as provided in EN 12453 standards.

### DESIGN

The most compact of its category with a tapered and simple design, suitable for every kind of gate.

### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



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MORE CONTENT

## TECHNICAL FEATURES

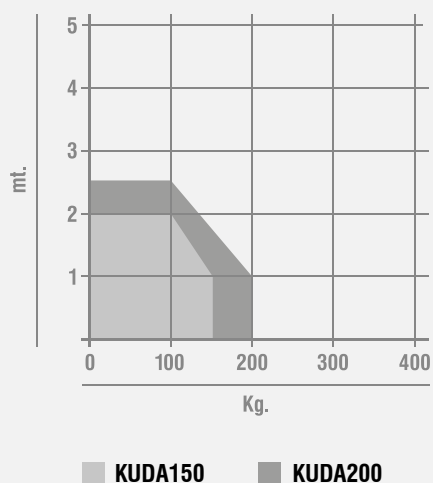
29

	KUDA150	KUDA200
Type of use	RESIDENTIAL	RESIDENTIAL
Frequency of use	INTENSIVE	INTENSIVE
Motor power supply	24 Vdc	24 Vdc
Absorbed power	100W	100W
Protection degree	IP44	IP44
Rod speed	20 mm/s	20 mm/s
Max rod stroke	360 mm	400 mm
Max thrust force	1000 N	1500 N
Adjustable force	ELECTRONIC	ELECTRONIC
Adjustable speed	YES **	YES **
Max leaf width	2 m *	2,5 m *
Operating temperature	-20°C + 60°C	-20°C + 60°C
Encoder/limit switch	ENCODER	ENCODER
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	4,5 Kg	5 Kg

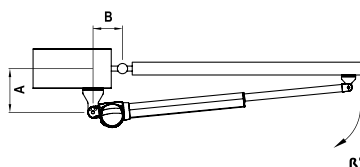
\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

\*\* By the use of the BE24 control board

### APPLICATION DIAGRAM

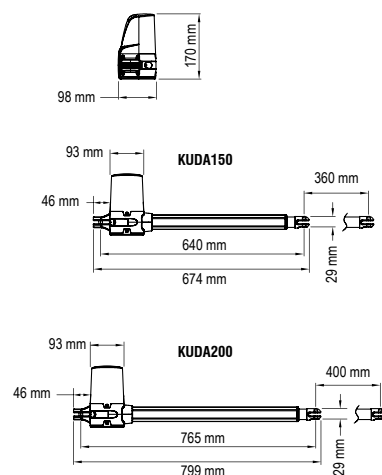


### INSTALLATION MEASURES





	$\beta$	A	B
KUDA150	90°	180	180
KUDA150	110°	160	160
KUDA200	90°	200	200
KUDA200	110°	190	190

### DIMENSIONS





						Code
<b>1A</b>	<b>KUDA150SX</b>	Kuda 150 - left hand operator	<b>EN</b>	1	28	15000/SX
<b>1A</b>	<b>KUDA150DX</b>	Kuda 150 - right hand operator	<b>EN</b>	1	28	15000/DX
<b>1B</b>	<b>KUDA200SX</b>	Kuda 200 - left hand operator	<b>EN</b>	1	20	22000/SX
<b>1B</b>	<b>KUDA200DX</b>	Kuda 200 - right hand operator	<b>EN</b>	1	20	22000/DX

## ACCESSORIES



**AJ01483**  
Battery back kit  
for BE24 board



**AJ00642**  
24V electric-lock  
(see page 162 for the  
counter plate model)



**P9AH06010**  
Spare keys for Kuda  
release device



**AS06250**  
For 1 or 2 motors (BE24)  
See page 130



**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock

													Code
KIT KUDA150	1A x2	2 x1	3 x1	4 x1	5 x2	6 x1	7 x1	8 x1		EN	1	24	K155/BFSLT
KIT KUDA200	1B x2	2 x1	3 x1	4 x1	5 x2	6 x1	7 x1	8 x1		EN	1	20	K205/BFSLT

**INCLUDED IN THE KIT:**



**1 KUDA 150-200**  
KUDA operators



**2 AS06250**  
For 1 or 2 motors  
(BE24)



### 3 Radio receiver board



**4 70724**  
Complete flashing lamp  
device DSL70724  
24 Vdc



**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100

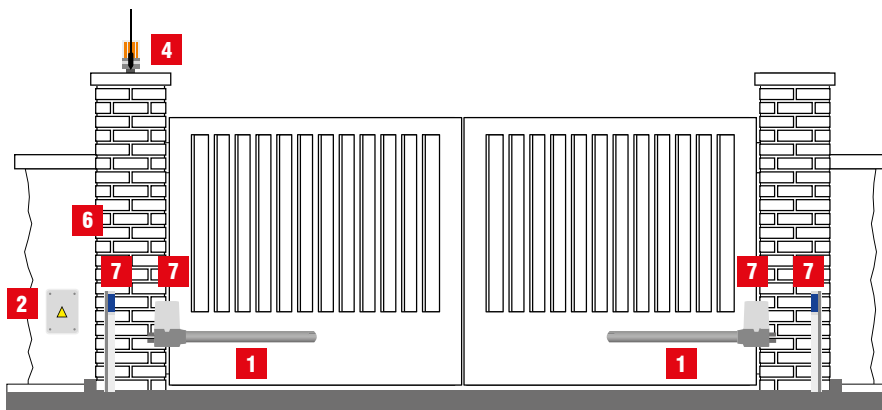


**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AJ75800**  
Gate warning plate

## INSTALLATION LAY-OUT







## SWING GATE SYSTEMS.

32

AGO

230-24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Electromechanical operator in 230 Vac and 24 Vdc with encoder, for swinging gates of medium and big size, for residential and heavy use.

### EASY TO INSTALL

Thanks to the adjustable brackets, that it is not necessary to weld.

### SILENT AND FAST

Gears in steel, bronze-aluminium. Thanks to this combination, you can manage a high and adjustable speed of movement.

### TECHNOLOGICAL AND SAFE

24 Vdc version is provided with encoder to simply manage

the automatic programming and the adjustment of the integrated anti-crushing sensitivity. Highest safety level, as provided in EN 12453 standards.

### DESIGN AND RELIABILITY

The most compact of its category with a tapered and simple design, suitable for every kind of gate. Completely made in die-cast aluminium and steel powder coating painted. The rod is in stainless steel.

### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



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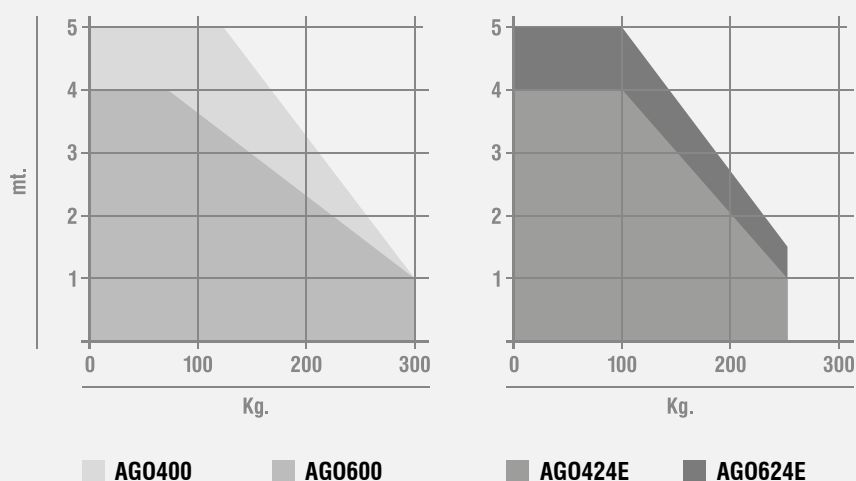
## TECHNICAL FEATURES

33

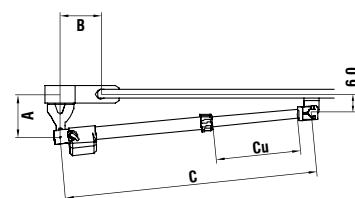
	AGO400	AGO600	AGO424E	AGO624E
Type of use	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL/HEAVY DUTY	RESIDENTIAL/HEAVY DUTY
Frequency of use	30%	30%	90%	90%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	24 Vdc	24 Vdc
Absorbed power	1,5 A	1,5 A	0,5 - 5,5 A	0,5 - 5,5 A
Protection degree	IP43	IP43	IP43	IP43
Rod speed	18 mm/s	18 mm/s	18 mm/s	18 mm/s
Max rod stroke	400 mm	600 mm	400 mm	600 mm
Max thrust force	1600 N	1600 N	1500 N	1500 N
Adjustable force	ELECTRONIC	ELECTRONIC	ELECTRONIC	ELECTRONIC
Adjustable speed	YES	YES	YES	YES
Max leaf width	4 m *	5 m *	4 m *	5 m *
Operating temperature	-25°C +60°C	-25°C +60°C	-25°C +60°C	-25°C +60°C
Encoder/limit switch	NO	NO	ENCODER	ENCODER
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	5,5 Kg	6,0 Kg	5,5 Kg	6,0 Kg

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

## APPLICATION DIAGRAM



## INSTALLATION MEASURES





OPENING 95°

	A	B	C	Cu
AGO400	145	145	1122	478
AGO600	280	280	1532	678

OPENING 120°

	A	B	C	Cu
AGO400	170	110	1122	478
AGO600	310	120	1532	678



					Code
<b>1A</b>	<b>AGO400SX</b>	AGO 400 - left hand operator	1	40	16000/SX
<b>1A</b>	<b>AGO400DX</b>	AGO 400 - right hand operator	1	40	16000/DX
	<b>AGO600SX</b>	AGO 600 - left hand operator	1	21	17000/SX
	<b>AGO600DX</b>	AGO 600 - right hand operator	1	21	17000/DX
<b>1B</b>	<b>AGO424ESX</b>	AGO 424E - left hand operator	1	40	16024/SX
<b>1B</b>	<b>AGO424EDX</b>	AGO 424E - right hand operator	1	40	16024/DX
	<b>AGO624ESX</b>	AGO 624E - left hand operator	1	21	17024/SX
	<b>AGO624EDX</b>	AGO 624E - right hand operator	1	21	17024/DX

## ACCESSORIES



**AJ01483**  
Battery back kit  
for BE24 board



**AJ00642**  
24V electric-lock  
(see page 162 for the  
counter plate model)



**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock



## CONTROL UNITS



**AS06320**  
For 1 or 2 motors (F4)  
See page 124



**AS06250**  
For 1 or 2 motors (BE24)  
See page 130

																		Code			
KIT AGO400	1A	x2	2A	x1	3A	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K160/BFSLT	
KIT AGO424E	1B	x2	2B	x1	3B	x1	4	x1	5	x2	6	x1	7	x1	8	x1		EN	1	20	K164/BFSLT

**INCLUDED IN THE KIT:**



**1 AGO 400-424**  
AGO operators



**2A AS06320**  
For 1 or 2 motors  
(F4)



**2B AS06250**  
For 1 or 2 motors  
(BE24)



**3A AU02910**  
2 channels plug-in  
receiver board  
for control units



### 3B Radio receiver board



**4 70710 - 70724**  
Complete flashing lamp  
device DSL70710 230 Vac,  
DSL70724 24 Vdc



**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100

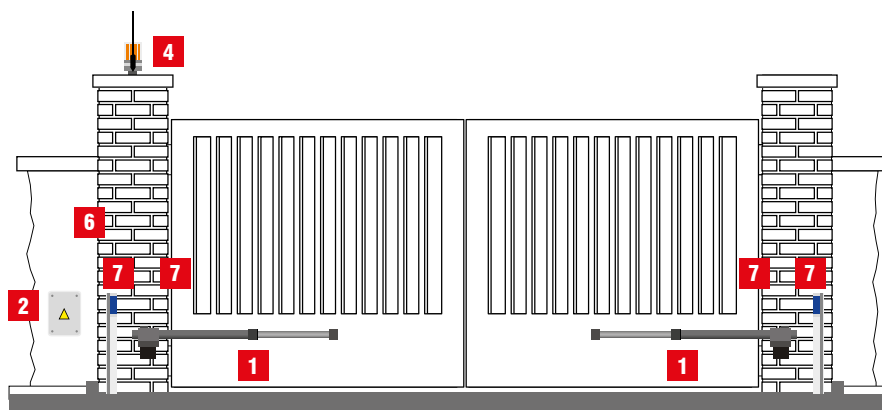


**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AJ75800**  
Gate warning plate

## INSTALLATION LAY-OUT





## SWING GATE SYSTEMS.

36

### SERRA320

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Electromechanical operator in 24 Vdc with encoder, for swinging gates of medium and big size, for heavy use.

#### EASY TO INSTALL

Operator and encoder pre-cabled, adjustable brackets included and door retainers integrated.

#### SILENT AND FAST

Made with gears in steel and bronze-aluminium, that allow managing a high and adjustable speed of movement.

#### TECHNOLOGICAL AND SAFE

Latest generation encoder, strong motor, suitable also for heavy uses. Gears and dragging screw completely protected.

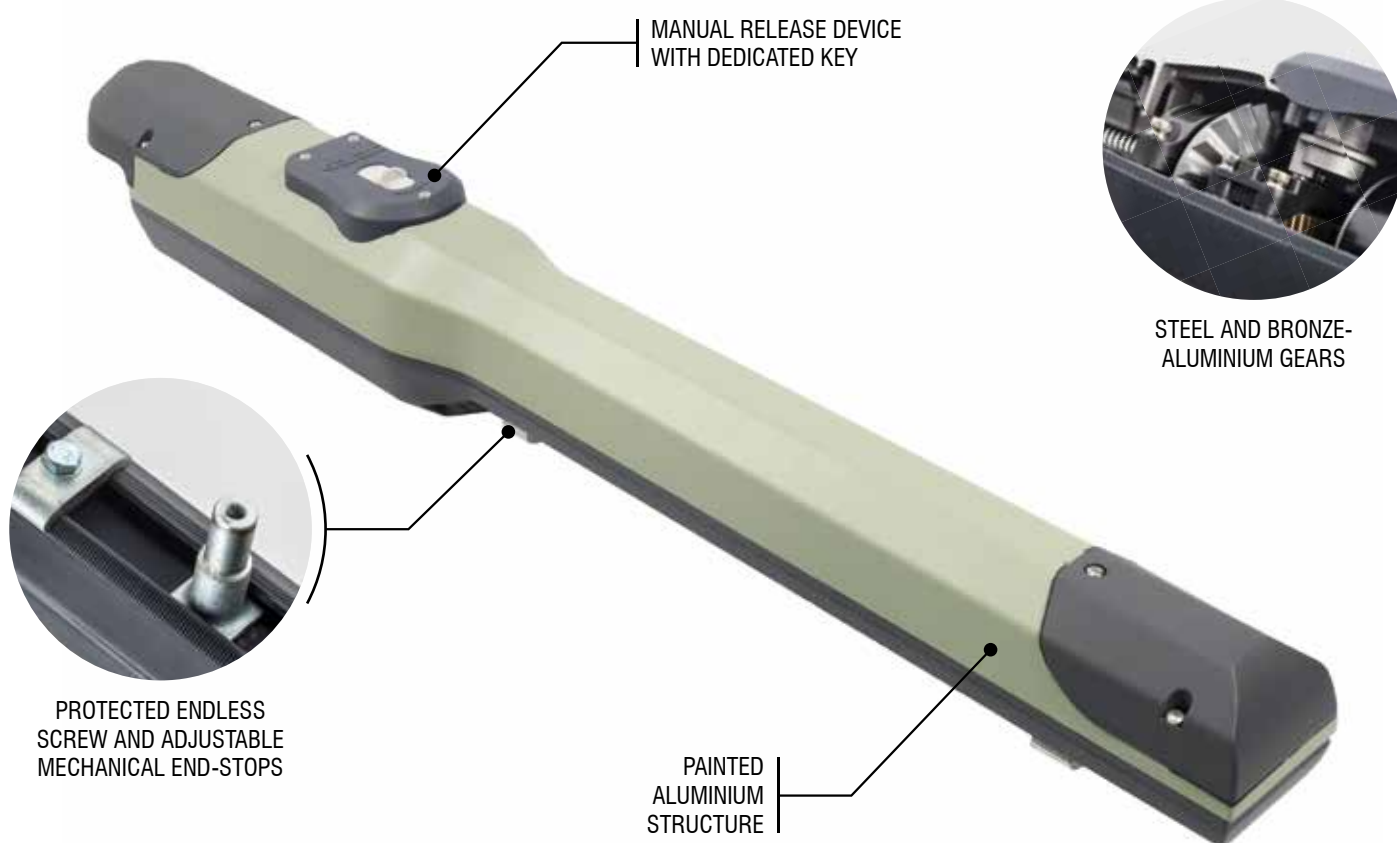
GIBIDI control units, with the embedded anti-crushing sensitivity feature, allow reaching the highest level of safety, as established by EN 12453 standard.

#### DESIGN

Made with a double aluminium die-cast shell and powder painted, soft and modern lines to fit every kind of gate.

#### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



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MORE CONTENT



## TECHNICAL FEATURES

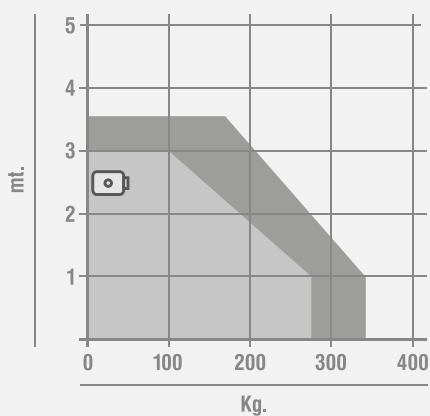
37

	SERRA320
Type of use	HEAVY DUTY
Frequency of use	40%
Motor power supply	24 Vdc
Absorbed power	100W
Protection degree	IP44
Rod speed	20 mm/s
Max rod stroke	320 mm
Max thrust force	1500 N
Adjustable force	ELECTRONIC
Adjustable speed	YES **
Max leaf width	3,5 m *
Operating temperature	-20°C + 60°C
Encoder/limit switch	ENCODER
Type of lubrication	GREASE GBD WH-01
Weight of the unit	8,2 Kg

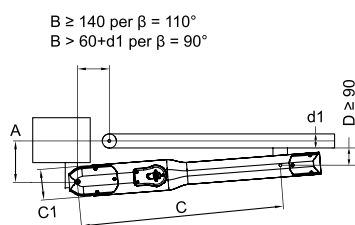
\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

\*\* By the use of the BE24 control board

### APPLICATION DIAGRAM

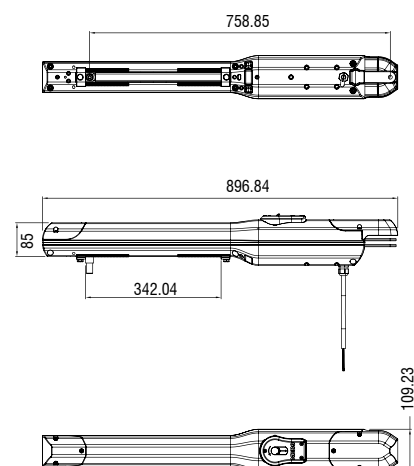


### INSTALLATION MEASURES



	B	A	B	C	D	C1
SERRA320 90°	140	125	725	100	109x151	
SERRA320 90°	150	150	731	100	109x151	
SERRA320 100°	140	140	730	90	109x151	
SERRA320 110°	120	140	730	90	109x151	

### DIMENSIONS





SWING GATE SYSTEMS.

38

SERRA320

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**1** SERRA320 With embedded encoder

EN



1



50

Code

15840

## ACCESSORIES



**AJ00511**  
metal counter plate  
for standard brackets



**AJ01570**  
set of adjustable brackets  
for weldless applications



**AJ01483**  
Battery back kit  
for BE24 board



**AJ00642**  
24V electric-lock  
(see page 162 for the  
counter plate model)



**AS06250**  
For 1 or 2 motors (BE24)  
See page 130



**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock

## SERRA320

## KIT

39

KIT SERRA320										Code	
1	x2	2	x1	3	x1	4	x1	5	x2	6	x1
7	x1	8	x1	EN		1	15	K320/BFSLT			

### INCLUDED IN THE KIT:



**1 SERRA320**  
SERRA operators



**2 AS06250**  
For 1 or 2 motors  
(BE24)



**3** Radio receiver board



**4 70724**  
Complete flashing lamp  
device DSL70724  
24 Vdc



**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100

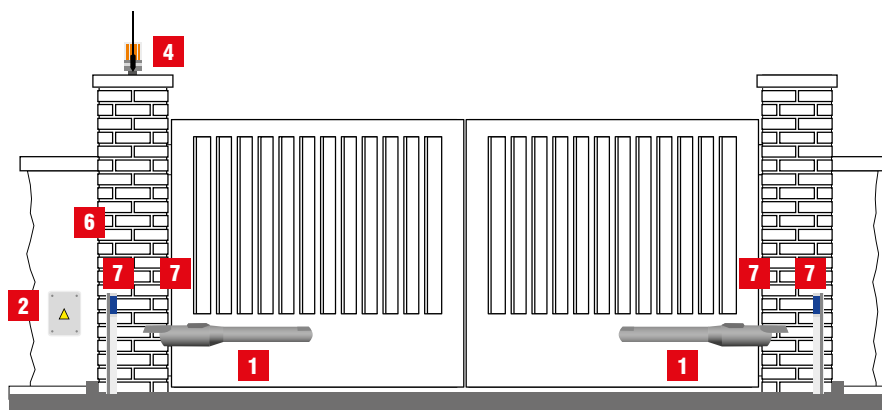


**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AJ75800**  
Gate warning plate

### INSTALLATION LAY-OUT





## SWING GATE SYSTEMS.

40

### SNAPPER

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Electromechanical operator in 24 Vdc with encoder, for swing gates of small size and weight, for residential use.

#### EASY TO INSTALL

Thanks to the adjustable brackets, it is not necessary to weld. The control unit offers the complete self-learning function.

#### SILENT AND FAST

Made with gears in steel, bronze-aluminium and special polymers. This combination allows managing a high and adjustable speed of movement.

#### TECHNOLOGICAL AND SAFE

Built-in innovative encoder technology. Thanks to the GIBIDI

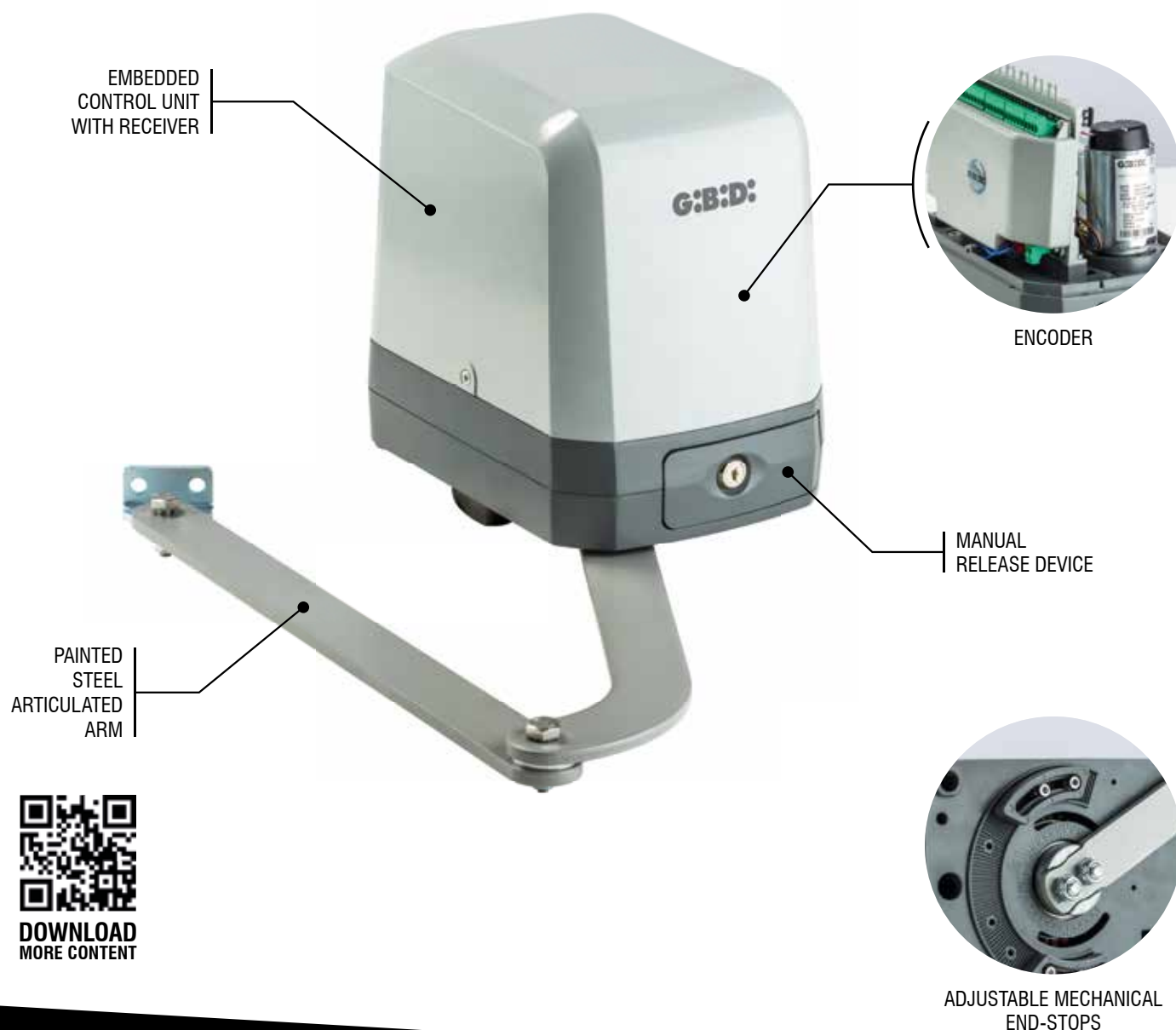
control unit provided with all the inputs for safety devices, included the encoder sensor for the adjustment of the integrated anti-crushing sensitivity it is possible to meet the highest safety level, as provided in EN 12453 standards.

#### DESIGN

The most compact of its category with a tapered and simple design, suitable for every kind of gate.

#### POWER CUT/BATTERY BACK-UP

By the use of an optional battery kit, the gates can operate during the loss of a mains power supply.



## TECHNICAL FEATURES

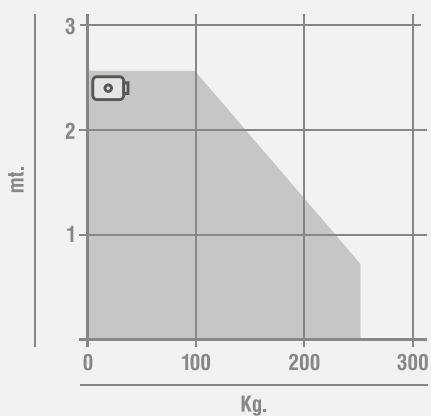
41

	SNAPPER
Type of use	RESIDENTIAL
Frequency of use	INTENSIVE
Motor power supply	24Vdc
Absorbed power	100W
Protection degree	IP44
Shaft rotation speed	10°/s
Max torque	200 Nm
Adjustable force	ELECTRONIC
Adjustable speed	ELECTRONIC **
Max leaf width	2,5 m *
Operating temperature	-20°C + 60°C
Encoder/limit switch	ENCODER
Type of lubrication	GREASE GBD WH-01
Weight of the unit	6 KG

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

\*\* By the use of the BE24 control board

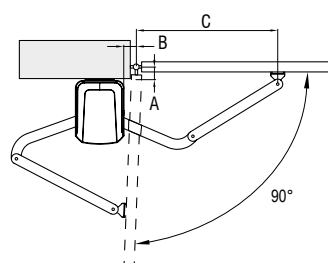
### APPLICATION DIAGRAM



Electric lock

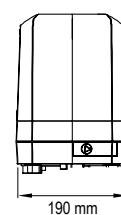
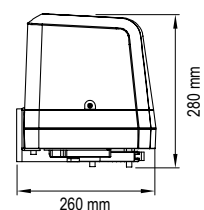
Suggested application

### INSTALLATION MEASURES




A	C	B		
		50	100	150
50	50	625	575	545
100	100	615	565	540
150	150	600	550	/
200	200	585	535	/
250	250	565	515	/
300	300	540	/	/

### DIMENSIONS





				Code
<b>1A</b>	<b>SNAPPER-1</b> With embedded BE24* control unit	1	40	<b>SNAPPER-1</b>
<b>1B</b>	<b>SNAPPER-0</b> Operator only	1	40	<b>SNAPPER-0</b>
	! Articulated arm not included			
	* With embedded radio receiver board			

## ACCESSORIES



**AJ30910**  
Articulated arm  
380 x 430 mm



**AJ01600**  
Battery back kit  
for SNAPPER



**AJ00642**  
24V electric-lock  
(see page 162 for the  
counter plate model)



**AS06250**  
For 1 or 2 motors (BE24)  
See page 130



**AJ70164**  
Counterbushing for  
horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock



## SNAPPER

## KIT

43

																					Code			
KIT SNAPPER	1A	x1	1B	x1	2	x1	3	x2	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		1	24	K454/BFSLT

### INCLUDED IN THE KIT:



**1 SNAPPER**  
SNAPPER operators



**2 AS06250**  
For 1 or 2 motors  
(BE24)



**3 AJ30910**  
Articulated arm  
380 x 430 mm



**4** Radio receiver board



**5 70724**  
Complete flashing lamp  
device DSL70724  
24 Vdc



**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100

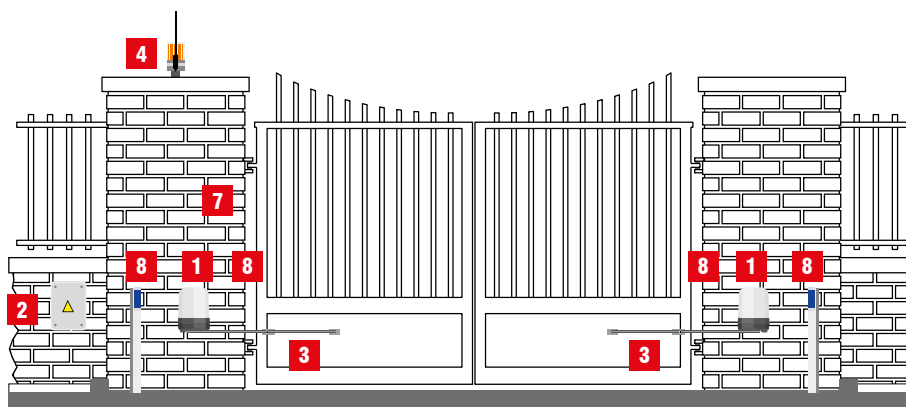


**8 AU02250**  
Pair of DCF180  
wall mounted photocells



**9 AJ75800**  
Gate warning plate

### INSTALLATION LAY-OUT





Electromechanical operators in 230Vac and 24Vdc with articulated arm, for swinging gates of medium size and weight, for residential and heavy use.

### EASY TO INSTALL

Thanks to the special fixing plate, you can fix it fast without welding it, integrated and pre-wired limit switches.

### SILENT AND FAST

Extremely silent, because of the materials chosen and tidy finishing of the gears. In 24Vdc version it is possible to adjust the opening speed.

### TECHNOLOGICAL AND SAFE

ART gearbox is completely built with steel and bronze-aluminium, robust and reliable over time. You can use the special wall selector with remotely controlled motor unlocking.

### A COMPLETE AND RELIABLE RANGE

Thanks to its special accessories, you can install ART even in presence of big pillars and obtain door openings up to 130°.

MANUAL  
RELEASE DEVICE



ARTICULATED  
ARM



DOWNLOAD  
MORE CONTENT



STEEL AND  
BRONZE GEARS

## TECHNICAL FEATURES

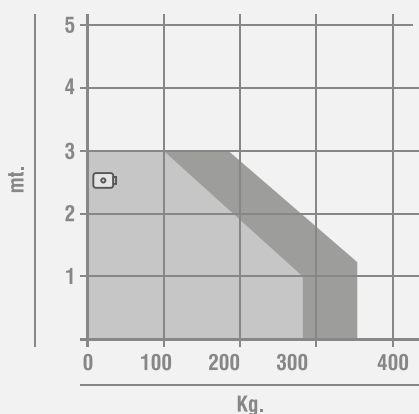
45

	ART5000	ART5024
Type of use	RESIDENTIAL	HEAVY DUTY
Frequency of use	30%	40%
Motor power supply	230 Vac - 50/60 Hz	24 Vdc
Absorbed power	200W	100W
Protection degree	IP53	IP53
Shaft rotation speed	7,8°/s	5,6°/s
Max torque	250 Nm	250 Nm
Adjustable force	ELECTRONIC	ELECTRONIC
Adjustable speed	ELECTRONIC **	ELECTRONIC **
Max leaf width	3 m *	3 m *
Operating temperature	-20°C + 60°C	-20°C + 60°C
Encoder/limit switch	LIMIT SWITCHES O/C	LIMIT SWITCHES O/C
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	11,1 Kg	11,1 Kg

\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

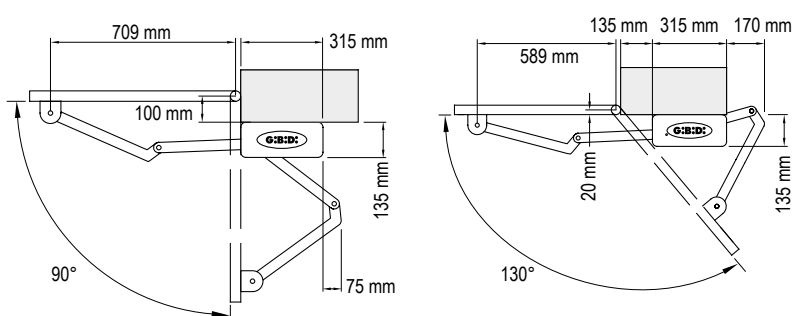
\*\* By the use of the BA230 for ART5000 and BA24 for ART5024 control board

## APPLICATION DIAGRAM



■ Suggested application   ■ Max application  
Ⓜ Electric-lock

## INSTALLATION MEASURES AND DIMENSIONS





					Code
<b>1A</b>	<b>ART5000</b>	With open and close limit switches	1	30	<b>30510</b>
<b>1B</b>	<b>ART5024</b>	With open and close limit switches	1	30	<b>30524</b>
	 Articulated arm not included				

EN

## ACCESSORIES



**AJ00311**  
remote release device  
unit with key switch  
function for ART



**AJ30900**  
Articulated arm  
425 x 460 mm



**AJ50139**  
Reinforced and longer  
steel articulated arm  
(600 x 540 mm)



**AJ01482**  
Battery back kit for  
BA24 control board



**AJ00632**  
12V electric-lock  
(see pag. 162 for the  
counter plate model)



**AJ00642**  
24V electric-lock  
(see pag. 162 for the  
counter plate model)

## CONTROL UNITS



**For ART5000**  
**AS06320 (F4)**  
Vedere pag. 124




**For ART5000**  
**AS05581 (BA 230)**  
Vedere pag. 125



**For ART5000**  
**AS05060 (BA 100)**  
See page 126



**For ART5024**  
**AS06300 (BA 24)**  
See page 127

																					Code		
KIT ART5000	1A	x2	2A	x1	3	x2	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1			1	12	K351/BFSLT
KIT ART5024	1B	x2	2B	x1	3	x2	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		EN	1	12	K354/BFSLT

**!** On request the kits can be made with the BA230 control unit

### INCLUDED IN THE KIT:



## 1 ART

### ART operators



**2A AS06320**  
For 1 o 2 motors  
(F4)



**2C AS06300**  
For 1 o 2 motors  
(BA 24)



**3 AJ30900**  
Articulated arm  
425 x 460 mm



**4 AU02910**  
2 channels plug-in  
receiver board  
for control units



**5 70710 - 70724**  
Complete flashing lamp  
device DSL70710 230 Vac  
DSL70724 24 Vdc



**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100

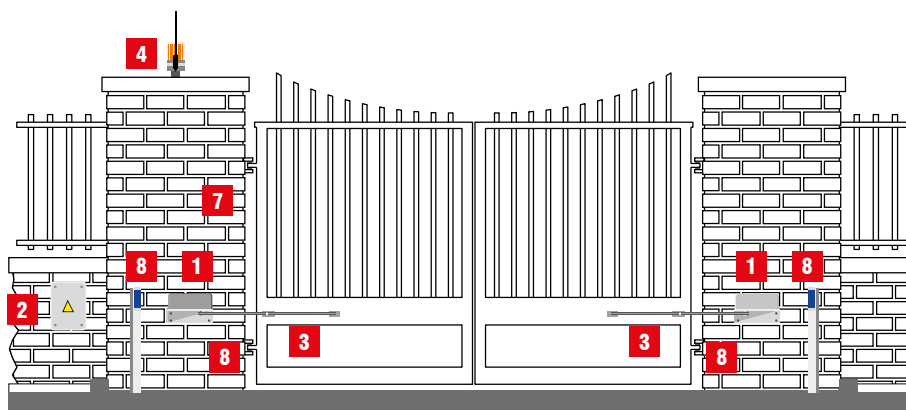


**8 AU02250**  
Pair of DCF180  
wall mounted photocells



**9 AJ75800**  
Gate warning plate

## INSTALLATION LAY-OUT





## SWING GATE SYSTEMS.

48

TOP

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Hydraulic operators in 230 Vac, for swinging gates of medium and big dimensions and weight, both for residential and heavy use.

### EASY TO INSTALL

TOP is pre-loaded and adjusted in our factory, ready to be used, **no purge valves or oil to level**. Fixing brackets are included.

### SILENT AND FAST

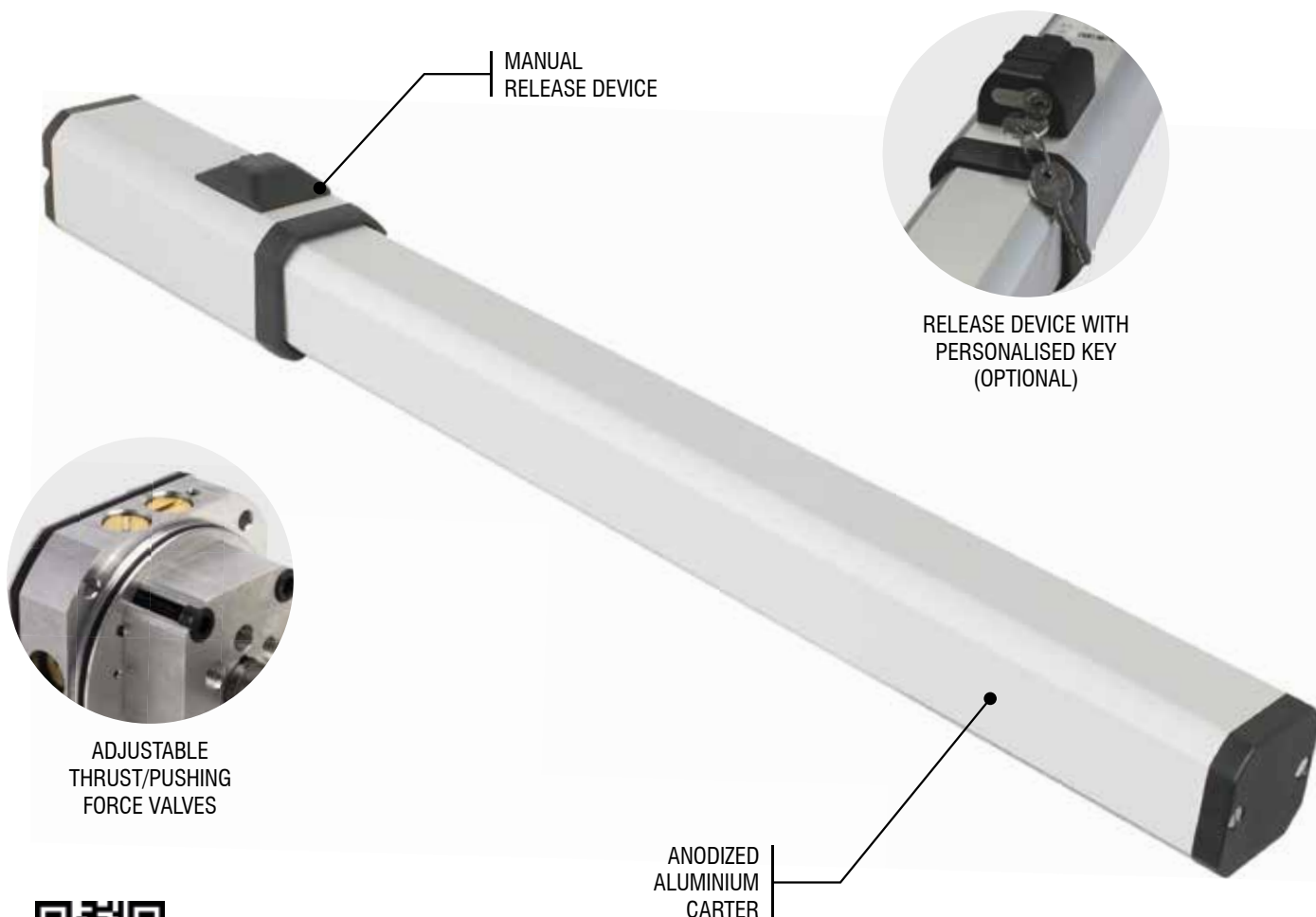
Extremely silent. Available also with fast hydraulic pump, for whom wants to extremely reduce opening and closing times.

### TECHNOLOGICAL AND SAFE

TOP is built with a sole technology, **the vacuum loading** does not leave any air residues inside, that means no condensation or emulsion. The coupling pump-distributor is without seals. A unique system, that will remain unchanged in time.

### A COMPLETE AND RELIABLE RANGE

From little residential gates to 6 m commercial or industrial gates. Special motors for heavy use. Standard or fast speed, reversible or irreversible. Only the best, only the TOP.



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## TECHNICAL FEATURES

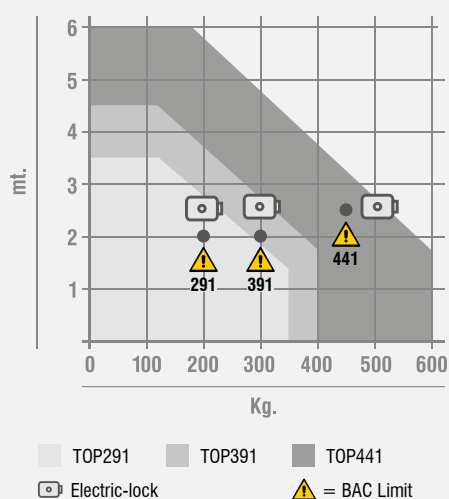
49

	TOP291	TOP391	TOP441	TOP291/S	TOP391/S	TOP441/S
Type of use	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY
Frequency of use	55%	55%	55%	55%	55%	55%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	170W	190W	190W	170W	190W	190W
Protection degree	IP65	IP65	IP65	IP65	IP65	IP65
Rod speed	10 mm/s	10 mm/s	10 mm/s	20 mm/s	20 mm/s	20 mm/s
Max rod stroke	290 mm	290 mm	440 mm	290 mm	290 mm	440 mm
Max thrust force	3000 N	4500 N	4500 N	2200 N	3000 N	3000 N
Adjustable force	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC	HYDRAULIC
Adjustable speed	ELECTRONIC **	ELECTRONIC **	ELECTRONIC **	ELECTRONIC **	ELECTRONIC **	ELECTRONIC **
Max leaf width	3,5 m *	4,5 m *	6,0 m *	3,5 m *	4,5 m *	6,0 m *
Operating temperature	-20°C + 60°C	-20°C + 60°C	-20°C + 60°C	-20°C + 60°C	-20°C + 60°C	-20°C + 60°C
Encoder/limit switch	NO	NO	NO	NO	NO	NO
Type of lubrication	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03
Weight of the unit	7,7 Kg	8,7 Kg	10 Kg	7,7 Kg	8,7 Kg	10 Kg

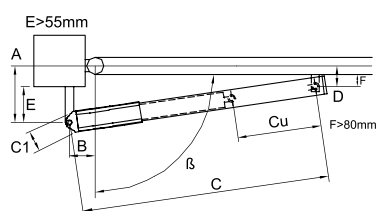
\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

\*\* By the use of the BA230 control board

### APPLICATION DIAGRAM

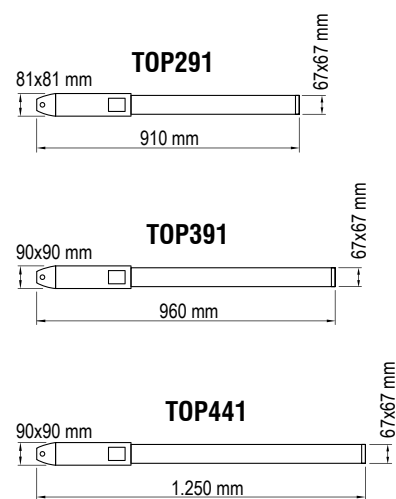


### INSTALLATION MEASURES



	B	A	B	C	D	Cu	C1
TOP291	90°	130	130	900	100	260	81x81
TOP291	110°	110	110	900	95	260	81x81
TOP391	90°	130	130	950	100	260	90x90
TOP391	110°	110	110	950	95	260	90x90
TOP441	90°	205	205	1.235	115	410	90x90
TOP441	110°	175	175	1.235	110	410	90x90

### DIMENSIONS





					Code
<b>1A</b>	<b>TOP291</b>	BAC, leaf up to <b>2 m</b>	1	32	29200
	<b>TOP291</b>	SLAC*, leaf up to <b>3,5 m</b>	1	32	29201
	<b>TOP291</b>	SLA/BA*, leaf up to <b>3,5 m</b>	1	32	29204
<b>1B</b>	<b>TOP391</b>	BAC, leaf up to <b>2 m</b>	1	32	39200
	<b>TOP391</b>	SLAC*, leaf up to <b>4,5 m</b>	1	32	39201
	<b>TOP391</b>	SLA/BA*, leaf up to <b>4,5 m</b>	1	32	39204
<b>1C</b>	<b>TOP441</b>	BAC, leaf up to <b>2,5 m</b>	1	32	44200
	<b>TOP441</b>	SLAC*, leaf up to <b>6 m</b>	1	32	44201
	<b>TOP441</b>	SLA/BA*, leaf up to <b>6 m</b>	1	32	44204
	<b>TOP291/S</b>	BAC, leaf up to <b>2 m</b> - fast model	1	32	29200/S
	<b>TOP291/S</b>	SLAC*, leaf up to <b>3,5 m</b> - fast model	1	32	29201/S
	<b>TOP291/S</b>	SLA/BA*, leaf up to <b>3,5 m</b> - fast model	1	32	29204/S
	<b>TOP391/S</b>	BAC, leaf up to <b>2 m</b> - fast model	1	32	39200/S
	<b>TOP391/S</b>	SLAC*, leaf up to <b>4,5 m</b> - fast model	1	32	39201/S
	<b>TOP391/S</b>	SLA/BA*, leaf up to <b>4,5 m</b> - fast model	1	32	39204/S
	<b>TOP441/S</b>	BAC, leaf up to <b>2,5 m</b> - fast model	1	32	44200/S
	<b>TOP441/S</b>	SLAC*, leaf up to <b>6 m</b> - fast model	1	32	44201/S
	<b>TOP441/S</b>	SLA/BA*, leaf up to <b>6 m</b> - fast model	1	32	44204/S

\* SLAC and SLA/BA versions should be used with an electric-lock

**BAC:** irreversible • **SLAC:** reversible • **SLA/BA:** irreversible when opened, reversible when closed

## ACCESSORIES AND CONTROL UNITS



**AJ00490**  
optional release device  
with euro-profile lock  
with keys



**AJ00500**  
Metal counter plate for rear  
bracket of TOP391-441  
**AJ00510**  
Metal counter plate for rear  
bracket of TOP291




**AJ00520**  
metal counter plate  
for front bracket  
of TOP291-391-441



**AJ00632**  
12V electric-lock  
(see pag. 162 for the  
counter plate model)



Suggested control units:  
**AS06320** (F4)  
**AS05581** (BA 230)  
**AS05060** (BA 100)  
See page 124 - 125 - 126

												Code
KIT TOP291	<b>1A</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K291/BFSLT
KIT TOP391	<b>1B</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K391/BFSLT
KIT TOP441	<b>1C</b> x2	<b>2</b> x1	<b>3</b> x1	<b>4</b> x1	<b>5</b> x2	<b>6</b> x1	<b>7</b> x1	<b>8</b> x1		1	20	K441/BFSLT

! On request the kits can be made with the BA230 control unit

## INCLUDED IN THE KIT:



**1 TOP**  
TOP operators



**2 AS06320**  
For 1 o 2 motors  
(F4)



**3 AU02910**  
2 channels plug-in  
receiver board  
for control units



**4 70710**  
Complete flashing lamp  
device DSL70710  
230 Vdc



**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100

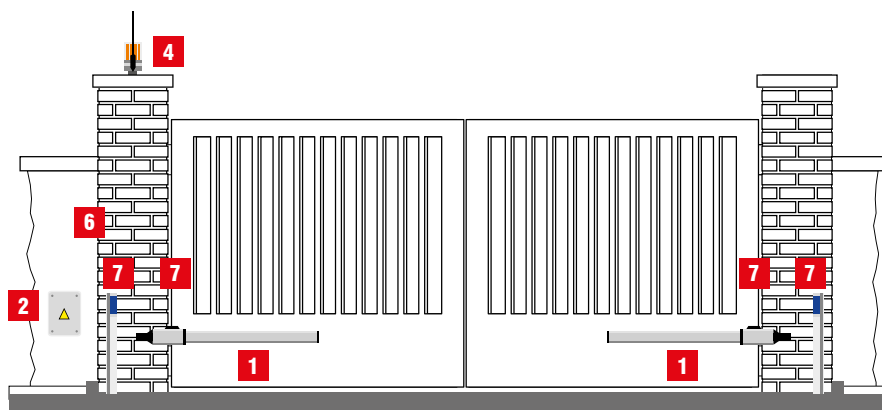


**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AJ75800**  
Gate warning plate

## INSTALLATION LAY-OUT





230 Vac hydraulic operators, dedicated to heavy, medium and large size swing gates. Suitable for both residential and intensive use.

### EASY TO INSTALL

TOP EVO is already preloaded and factory adjusted, ready for use, **no purge valves, no oil to top up.** Mounting brackets supplied.

### SILENT AND FAST

Extremely silent and fast. **Hydraulic slowdowns integrated** in the last 3cm of rod travel.

### TECHNOLOGICAL AND SAFE

TOP EVO is built with a unique technology; **the vacuum loading** process leaves no air residues inside, therefore no condensation and emulsion. The pump-distributor coupling is without any gasket. A unique system destined to remain unchanged over time. **New die-cast aluminium back-end.** Complete with torque settings valves and with the **new embedded device to select the reversible, irreversible or mixed mode.**

### A COMPLETE AND RELIABLE RANGE

From a small residential gate with 6-meter doors of a commercial or industrial type. Special motors for intensive use.



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THRUST VALVES

## TECHNICAL FEATURES

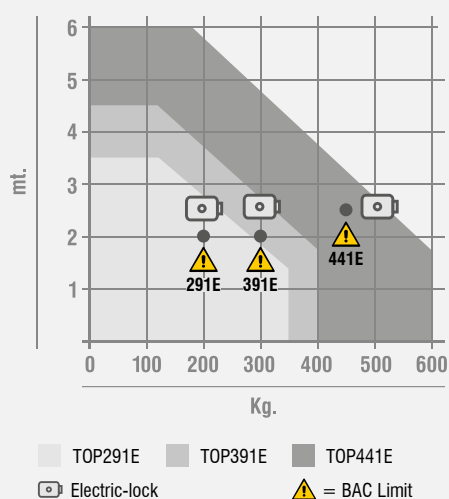
53

	TOP291E - ER - ER/S	TOP391E - ER - ER/S	TOP441E - ER - ER/S
Type of use	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY
Frequency of use	55%	55%	55%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	170W	190W	190W
Degree of protection	IP65	IP65	IP65
Rod speed	10 mm/s (20 mm/s for the version ER/S)	10 mm/s (20 mm/s for the version ER/S)	10 mm/s (20 mm/s for the version ER/S)
Max rod stroke	265 mm (290 mm for the version E)	265 mm (290 mm for the version E)	425 mm (440 mm for the version E)
Max thrust force	3000 N (2200 N for the version ER/S)	4500 N (3000 N for the version ER/S)	4500 N (3000 N for the version ER/S)
Force adjustment	HYDRAULIC	HYDRAULIC	HYDRAULIC
Speed adjustment	ELECTRONIC **	ELECTRONIC **	ELECTRONIC **
Hydraulic slowdown	YES (NO for the version E)	YES (NO for the version E)	YES (NO for the version E)
Max leaf length	3,5 m *	4,5 m *	6,0 m *
Operating temperature	-20°C + 60°C	-20°C + 60°C	-20°C + 60°C
Rod diameter	16 mm	20 mm	20 mm
Type of lubrication	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03
Operator weight	7,7 Kg	8,7 Kg	10 Kg

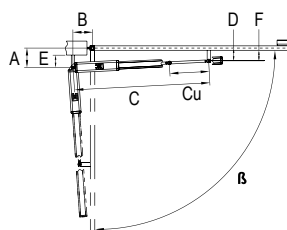
\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

\*\* By the use of the BA230 control board

## APPLICATION DIAGRAM



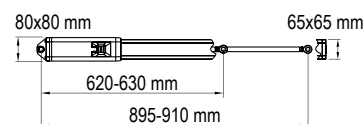
## INSTALLATION MEASURES



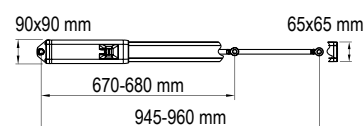
TOP	B	A	B	C	D	Cu	E	F
291E	90°	130	130	900	100	260		
291E	110°	110	120	900	95	265		
291ER-ER/S	90°	125	125	885	95	250		
291ER-ER/S	105°	110	110	885	95	245		
391E	90°	130	130	950	100	260	>55	>80
391E	110°	110	120	950	95	260		
391ER-ER/S	90°	125	125	940	100	250		
391ER-ER/S	105°	110	115	940	95	250		
441E	90°	205	205	1243	125	410		
441E	110°	175	175	1243	120	410		
441ER-ER/S	90°	200	200	1243	120	400	>65	>100
441ER-ER/S	110°	175	175	1243	120	400		

## DIMENSIONS

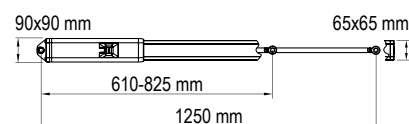
### TOP291E - 291ER - 291ER/S



### TOP391E - 391ER - 391ER/S



### TOP441E - 441ER - 441ER/S





					Code
<b>1A</b>	<b>TOP291 EVO</b>	Leaf up to <b>3,5 m</b>	1	32	29200E
<b>1B</b>	<b>TOP291 EVO R</b>	Leaf up to <b>3,5 m</b> with hydraulic slowdowns	1	32	29200ER
<b>1C</b>	<b>TOP291 EVO RS</b>	Leaf up to <b>3,5 m</b> with hydraulic slowdowns - fast version	1	32	29200ER/S
<b>1D</b>	<b>TOP391 EVO</b>	Leaf up to <b>4,5 m</b>	1	32	39200E
<b>1E</b>	<b>TOP391 EVO R</b>	Leaf up to <b>4,5 m</b> with hydraulic slowdowns	1	32	39200ER
<b>1F</b>	<b>TOP391 EVO RS</b>	Leaf up to <b>4,5 m</b> with hydraulic slowdowns - fast version	1	32	39200ER/S
<b>1G</b>	<b>TOP441 EVO</b>	Leaf up to <b>6 m</b>	1	32	44200E
<b>1H</b>	<b>TOP441 EVO R</b>	Leaf up to <b>6 m</b> with hydraulic slowdowns	1	32	44200ER
<b>1I</b>	<b>TOP441 EVO RS</b>	Leaf up to <b>6 m</b> with hydraulic slowdowns - fast version	1	32	44200ER/S

\* All operators are supplied in **BAC** mode (irreversible). The installer can modify this parameter.

## ACCESSORIES



**AJ00490**  
optional release device  
with euro-profile lock  
with keys



**AJ00500**  
Metal counter plate for rear  
bracket of TOP391-441  
**AJ00510**  
Metal counter plate for rear  
bracket of TOP291



**AJ00520**  
metal counter plate  
for front bracket  
of TOP291-391-441



**AJ00632**  
12V electric-lock  
(see pag. 162 for the  
counter plate model)



Suggested control units:  
**AS06320** (F4)  
**AS05581** (BA 230)  
**AS05060** (BA 100)  
See page 124 - 125 - 126



**AJ70164**  
Counterbushing for  
horizontal mounting














**AJ70163**  
Ground plate for  
vertical mounting



**AJ00862**  
Left/right leaf lock



																		Code		
KIT TOP291 EVO	1A	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K291E/BFSLT
KIT TOP291 EVO R	1B	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K291ER/BFSLT
KIT TOP291 EVO RS	1C	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K291ERS/BFSLT
KIT TOP391 EVO	1D	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K391E/BFSLT
KIT TOP391 EVO R	1E	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K391ER/BFSLT
KIT TOP391 EVO RS	1F	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K391ERS/BFSLT
KIT TOP441 EVO	1G	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K441E/BFSLT
KIT TOP441 EVO R	1H	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K441ER/BFSLT
KIT TOP441 EVO RS	1I	x2	2	x1	3	x1	4	x1	5	x2	6	x1	7	x1	8	x1		1	20	K441ERS/BFSLT

**!** On request the kits can be made with the BA230 control unit

### INCLUDED IN THE KIT:



## 1 TOP EVO

### TOP EVO operators



**2 AS06320**  
For 1 o 2 motors  
(F4)



**3 AU02910**  
2 channels plug-in  
receiver board  
for control units



**4 70710**  
Complete flashing lamp  
device DSL70710  
230 Vdc



**5 AU03100**  
MAKO remote control  
433Mhz



**6 AU01940**  
Wall mounted key selector  
model DCS100

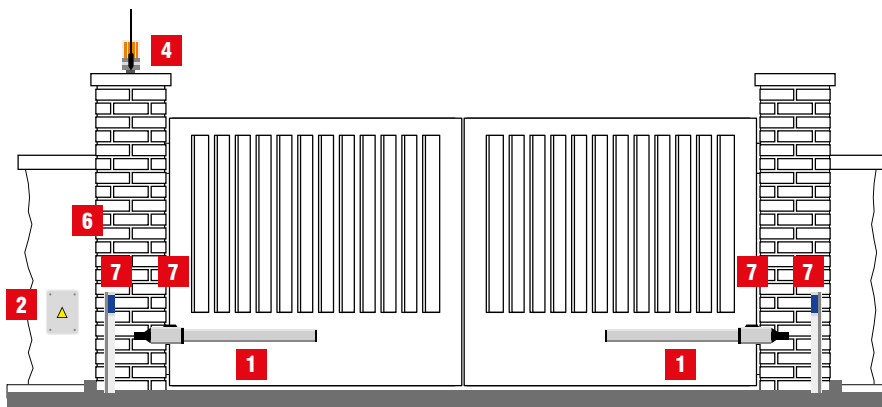


**7 AU02250**  
Pair of DCF180  
wall mounted photocells



**8 AJ75800**  
Gate warning plate

## INSTALLATION LAY-OUT





Underground hydraulic operators in 230Vac and 24Vdc for swinging gates of medium dimensions and weight, for residential and heavy use.

#### EASY TO INSTALL

Thanks to the special foundation box. Ambidextrous motor. One-of-a-kind fixing system that allows recovering also the wrong fixing of the doors.

#### SILENT AND FAST

Only 12 s to open the gate! Extremely silent, because of the materials chosen and tidy finishing of the gears. In 24Vdc version it is possible to adjust the opening speed.

#### TECHNOLOGICAL AND SAFE

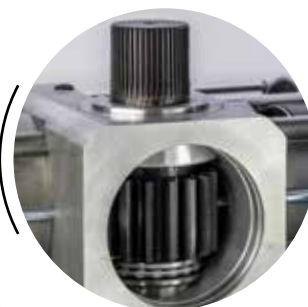
FLOOR has the best hydraulic technology closed-circuit without air. Complete with speed and force regulator, and also with valves to select the reversible, irreversible or fixed modality. In 24Vdc version, it is possible to adjust the anti-crushing sensitivity to make the installation safer, as established by EN12453 standards. European profile key for the unlocking device.

#### A COMPLETE AND RELIABLE RANGE

FLOOR is much more robust in the new version with opening up to 150° and 180°. It satisfies all the esthetical needs of your gate and is reliable because of the use of high quality materials and the in-depth quality test.



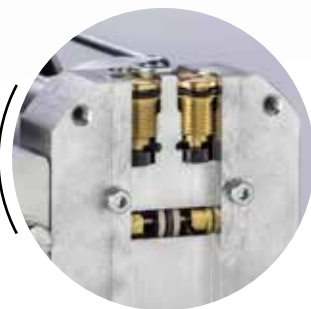
OPTIONAL  
LIMIT SWITCH KIT



OUTPUT SHAFT MADE  
OF TREATED STEEL WITH  
THRUST BEARING



SPEED ADJUSTMENT  
VALVES AND  
MANUAL RELEASE



THRUST FORCE AND BRAKE  
ADJUSTMENT SCREWS



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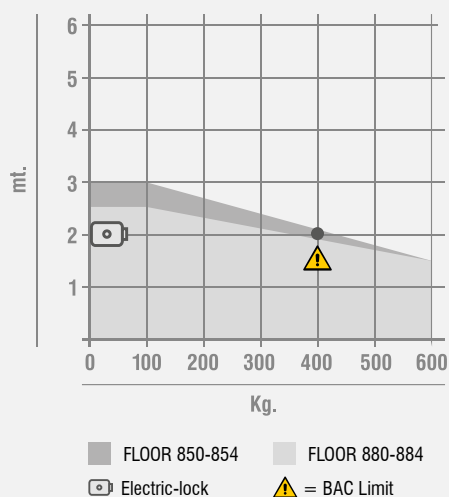
## TECHNICAL FEATURES

57

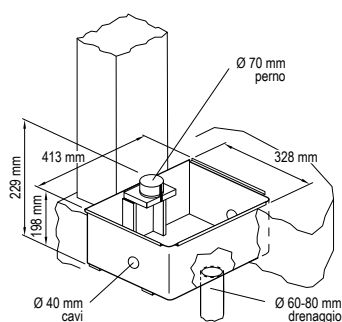
	FLOOR 230V 150°	FLOOR 230V 180°	FLOOR 24V 150°	FLOOR 24V 180°
Type of use	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY
Frequency of use	40%	40%	80%	80%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	24 Vdc	24 Vdc
Absorbed power	190W	190W	120W	120W
Protection degree	IP67	IP67	IP67	IP67
Shaft rotation speed	6°/s	7°/s	6°/s	7°/s
Max torque	320 Nm	300 Nm	320 Nm	300 Nm
Adjustable force	HYDRAULIC	HYDRAULIC	ELECTRONIC	ELECTRONIC
Adjustable speed	YES	YES	YES	YES
Max leaf width	3,0 m *	2,5 m *	3,0 m *	2,5 m *
Max door opening angle	150°	180°	150°	180°
Operating temperature	-20°C +60°C	-20°C +60°C	-20°C +60°C	-20°C +60°C
Encoder/limit switch	OPTIONAL LIMIT SWITCHES	OPTIONAL LIMIT SWITCHES	OPTIONAL LIMIT SWITCHES	OPTIONAL LIMIT SWITCHES
Type of lubrication	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03	OIL GBD PH-03
Weight of the unit	17 kg	16 kg	17 kg	16 kg

\* In case of blind leaf or wind presence or leaf over 2,0 m, the use of the electric lock is necessary

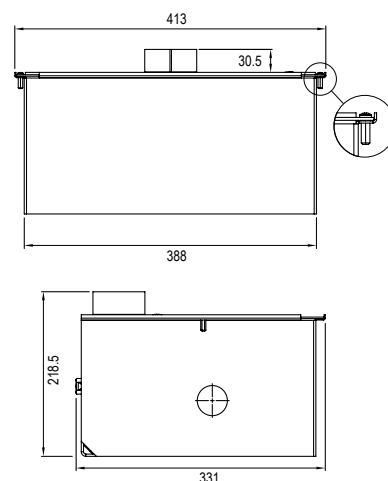
### APPLICATION DIAGRAM



### INSTALLATION MEASURES



### DIMENSIONS





					Code
<b>1A</b>	<b>FLOOR 850</b>	230 Vac* - max opening 150°	1	30	<b>81500</b>
<b>1B</b>	<b>FLOOR 854</b>	24 Vdc* - max opening 150°	1	30	<b>81524</b>
<b>1C</b>	<b>FLOOR 880</b>	230 Vac* - max opening 180°	1	30	<b>81800</b>
<b>1D</b>	<b>FLOOR 884</b>	24 Vdc* - max opening 180°	1	30	<b>81824</b>

\* All operators are supplied in **BAC** mode (irreversible). The installer can modify this parameter.

### ACCESSORIES



**AJ49000**  
Complete self-supporting  
and painted foundation box  
with lid



**A90916P**  
Optional AISI304  
stainless steel lid



**AJ01400**  
Optional limit switch kit



**AU02730**  
Adapter to use  
AJ01400 limit  
switches kit with F4  
and BA100 boards



**AJ01482**  
Battery back kit for  
BA24 control board



**AJ00632**  
12V electric-lock  
(see page 162 for the  
counter plate model)



**AJ00642**  
24V electric-lock  
(see page 162 for the  
counter plate model)



**For FLOOR 850-880**  
**AS06320 (F4)**  
See page 124



**For FLOOR 850-880**  
**AS05581 (BA 230)**  
See page 125



**For FLOOR 850-880**  
**AS05060 (BA 100)**  
See page 126



**For FLOOR 854-884**  
**AS06300 (BA 24)**  
See page 127

## FLOOR

## KIT

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												Code										
KIT FLOOR850	1A	x2	2	x2		4A	x1	5	x1	6	x1	7	x2	8	x1	9	x1	10	x1		K870/BFSLT	
KIT FLOOR854	1B	x2	2	x2	3	x2	4B	x1	5	x1	6	x1	7	x2	8	x1	9	x1	10	x1		K875/BFSLT
KIT FLOOR880	1C	x2	2	x2			4A	x1	5	x1	6	x1	7	x2	8	x1	9	x1	10	x1		K880/BFSLT
KIT FLOOR884	1D	x2	2	x2	3	x2	4B	x1	5	x1	6	x1	7	x2	8	x1	9	x1	10	x1		K884/BFSLT

! The kit is supplied in multiple packages

### INCLUDED IN THE KIT:



**1 FLOOR**  
FLOOR operators



**2 AJ49000**  
Self-supporting painted foundation box



**3 AJ01400**  
Limit switches kit



**4A AS06320**  
For 1 o 2 motors (F4)



**4B AS06300**  
For 1 o 2 motors (BA 24)



**5 AU02910**  
2 channels plug-in receiver board for control units



**6 70710 - 70724**  
Complete flashing lamp device DSL70710 230 Vac DSL70724 24 Vdc



**7 AU03100**  
MAKO remote control 433Mhz



**8 AU01940**  
Wall mounted key selector model DCS100

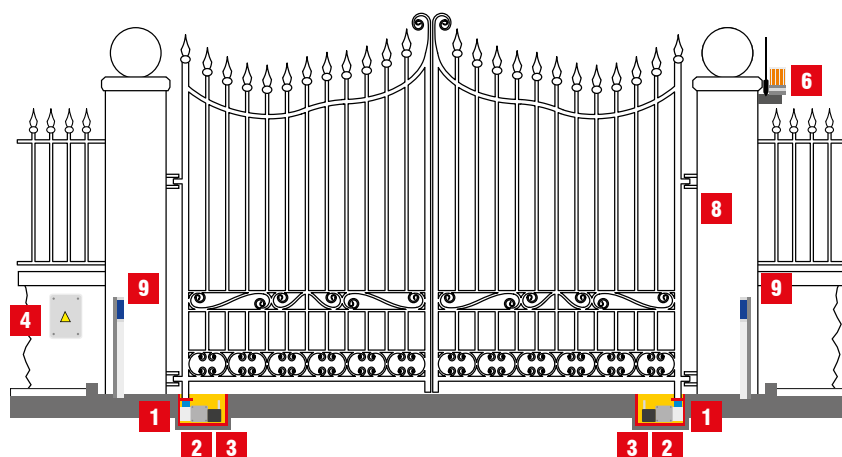


**9 AU02250**  
Pair of DCF180 wall mounted photocells



**10 AJ75800**  
Gate warning plate

### INSTALLATION LAY-OUT





Underground electromechanical operators in 230Vac and 24Vdc, for swinging gates of medium dimensions and weight, for residential and intensive use.

### EASY TO INSTALL

Thanks to the special self-supporting foundation box. Ambidextrous motor and pre-assembled accessories.

### SILENT AND FAST

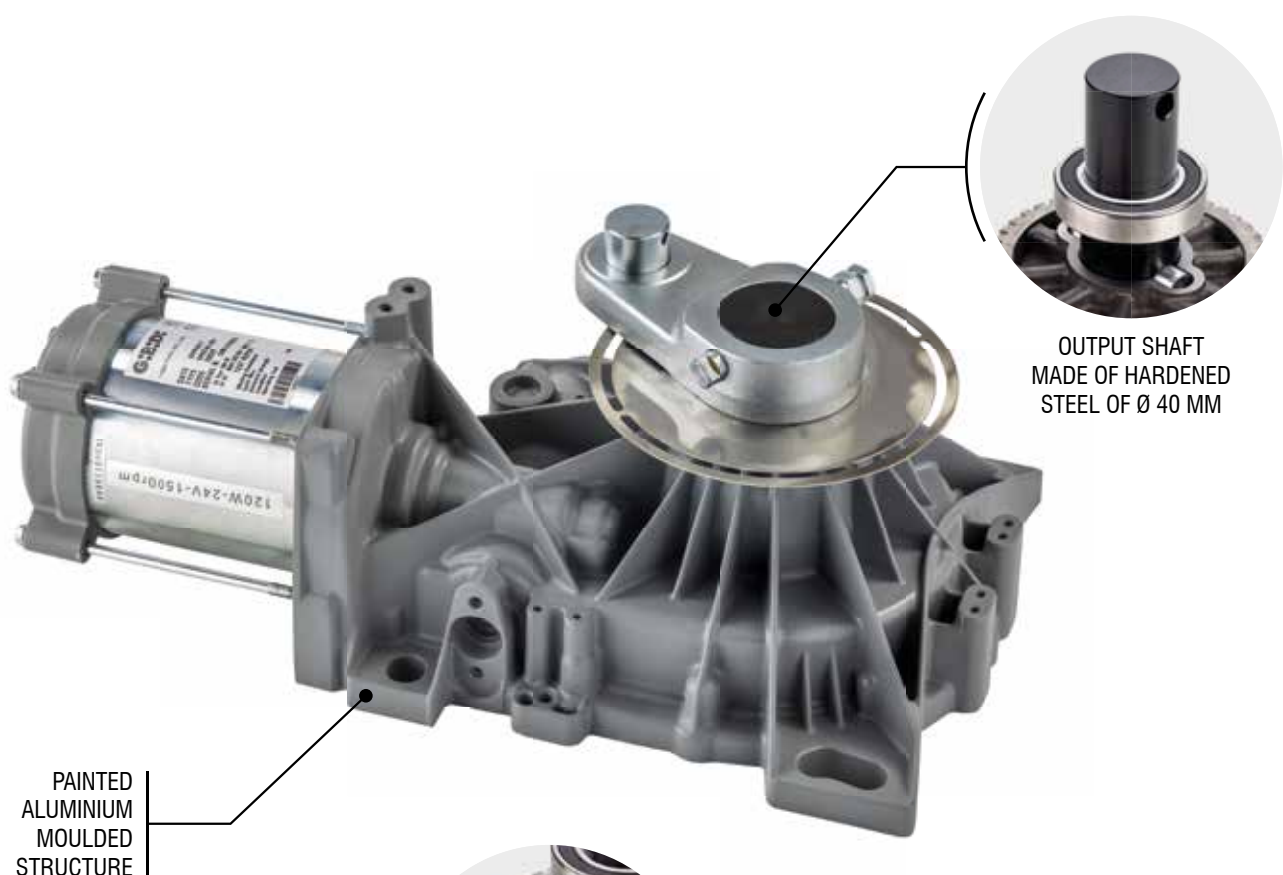
Only 12 s to open the gate! Extremely silent, because of the materials chosen and tidy finishing of the gears. In 24Vdc version it is possible to adjust the opening speed.

### TECHNOLOGICAL AND SAFE

GROUND is completely built in steel and bronze-aluminium, is robust and reliable over the time. In 24Vdc version, it is possible to adjust the anti-crushing sensitivity to make the installation safer, as established by EN12453 standards. The unlocking key is with European profile.

### A COMPLETE AND RELIABLE RANGE

GROUND satisfies all the esthetical needs of your gate and is reliable over the time, thanks to the reduction gear completely painted, that protects it from the atmospheric and environmental agents.



PAINTED  
ALUMINIUM  
MOULDED  
STRUCTURE

OUTPUT SHAFT  
MADE OF HARDENED  
STEEL OF Ø 40 MM



DOWNLOAD  
MORE CONTENT



STEEL AND  
BRONZE GEARS



MANUAL RELEASE DEVICE  
WITH EURO-PROFILE  
LOCK WITH KEY



## TECHNICAL FEATURES

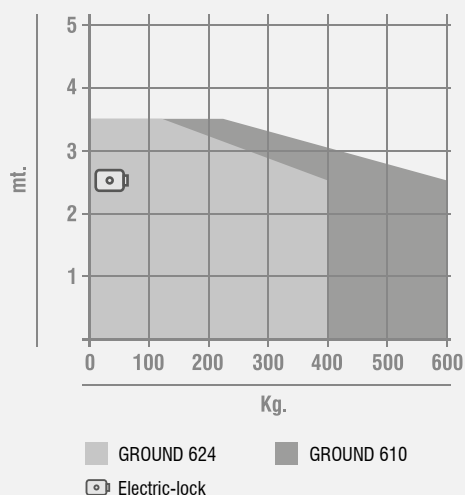
61

	GROUND610	GROUND624
Type of use	RESIDENTIAL	HEAVY DUTY
Frequency of use	30%	HEAVY DUTY
Motor power supply	230 Vac - 50/60 Hz	24 Vdc
Absorbed power	400W	150W
Protection degree	IP67	IP67
Shaft rotation speed	7°/s	7°/s
Max torque	530 Nm	320 Nm
Adjustable force	ELECTRONIC	ELECTRONIC
Adjustable speed	ELECTRONIC **	ELECTRONIC **
Max leaf width	3,5 M *	3,5 M *
Max door opening angle	110°	110°
Operating temperature	-20°C + 60°C	-20°C + 60°C
Encoder/limit switch	LS ARE OPTIONAL	LIMIT SWITCHES O/C
Type of lubrication	GREASE GBD WH-01	GREASE GBD WH-01
Weight of the unit	11,1 Kg	11,1 Kg

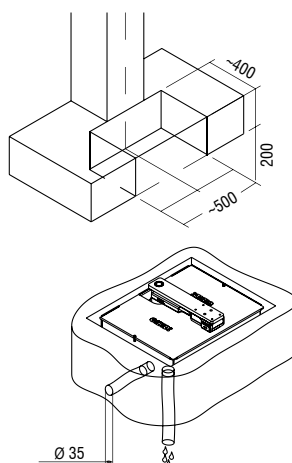
\* In case of blind leaf or wind presence or leaf over 2.5 m, the use of the electric lock is necessary

\*\* Control units: BA230 for GROUND610, BA24 for GROUND624

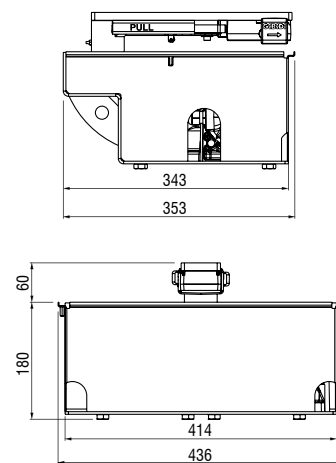
### APPLICATION DIAGRAM





### INSTALLATION MEASURES



### DIMENSIONS





					Code
<b>1A</b>	<b>GROUND 610</b>	230 Vac - without limit switches	1	24	20030
<b>1B</b>	<b>GROUND 624</b>	24 Vdc - with limit switches	1	24	20034

EN

### ACCESSORIES



**AJ49300**  
Complete self-supporting  
and painted foundation box  
with lid and levers



**AU02730**  
Adapter to use AJ01400  
limit switches kit with F4  
and BA100 boards



**AJ00940**  
Optional limit switch kit



**AJ01482**  
Battery back kit for  
BA24 control board



**AJ00632**  
12V electric-lock  
(see page 162 for the  
counter plate model)



**AJ00642**  
24V electric-lock  
(see page 162 for the  
counter plate model)

### CONTROL UNITS



**For GROUND 610**  
**AS06320 (F4)**  
See page 124



**For GROUND 610**  
**AS05581 (BA 230)**  
See page 125



**For GROUND 610**  
**AS05060 (BA 100)**  
See page 126



**For GROUND 624**  
**AS06300 (BA 24)**  
See page 127

## GROUND

## KIT

63

												Code									
KIT GROUND610	1A	x2	2	x2	3A	x1	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		K608/BFSLT	
KIT GROUND624	1B	x2	2	x2	3B	x1	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		EN	K625/BFSLT

The kit is supplied in multiple packages

### INCLUDED IN THE KIT:



**1 GROUND**  
GROUND operators



**2 AJ49300**  
Self-supporting painted foundation box



**3A AS06320**  
For 1 o 2 motors (F4)



**3B AS06399**  
For 1 o 2 motors (BA 24)



**4 AU02910**  
2 channels plug-in receiver board for control units



**5 70710 - 70724**  
Complete flashing lamp device DSL70710 230 Vac  
DSL70724 24 Vdc



**6 AU03100**  
MAKO remote control 433Mhz



**7 AU01940**  
Wall mounted key selector model DCS100

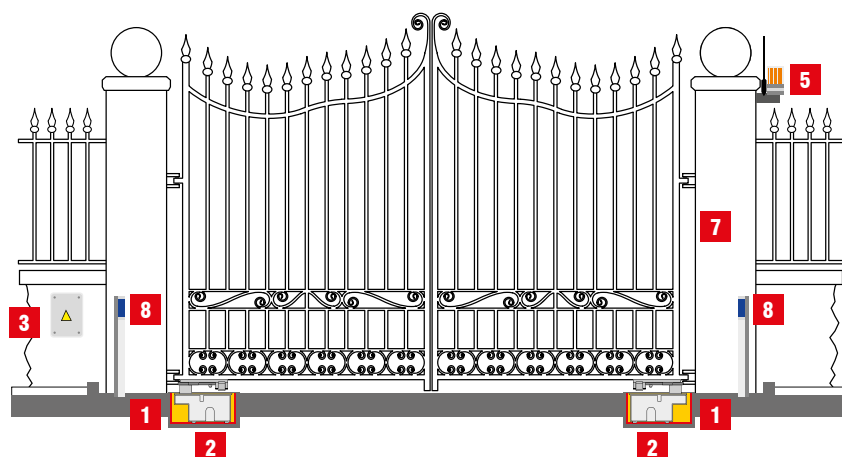


**8 AU02250**  
Pair of DCF180 wall mounted photocells



**9 AJ75800**  
Gate warning plate

### INSTALLATION LAY-OUT





## GARAGE DOOR SYSTEMS.

64

SECTIONAL DOORS

ELECTROMECHANICS

OVERHEAD DOORS

ELECTROMECHANICS

RESIDENTIAL USE

LINEAR

MAX DOOR  
15 MQ

TAIMEN

PAGE  
66

RESIDENTIAL USE

ARTICULATED

MAX DOOR  
7 MQ

AUTOBOX

PAGE  
70

LINEAR

MAX DOOR  
15 MQ

TAIMEN

PAGE  
66

HEAVY DUTY

ARTICULATED

MAX DOOR  
7 MQ

AUTOBOX

PAGE  
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## GARAGE DOOR SYSTEMS.

66

### TAIMEN

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Automated drive unit in 24Vdc for overhead and sectional doors, of little and medium dimensions, for residential use.

#### EASY TO INSTALL

Thanks to the pre-assembled motor guide and the fixing system completely adjustable. Moreover the self-learning procedure makes easier the system programming.

#### SILENT AND FAST

Really silent thank to the translating motor and the use of high quality materials.

#### TECHNOLOGICAL AND SAFE

TAIMEN, with the new digital control unit, is really forefront. Moreover is provided with the adaptive anti-crushing system and it is possible to connect some safety devices, as established by EN12453 standards. The unlocking device is easy to use and allows closing the door, even in the absence of current, and locking it again.

#### A COMPLETE AND RELIABLE RANGE

TAIMEN can be provided with the optional battery kit for the emergency opening in case of power cut. Brackets and screws completely painted to keep unchanged the aesthetics of the system for a long time.



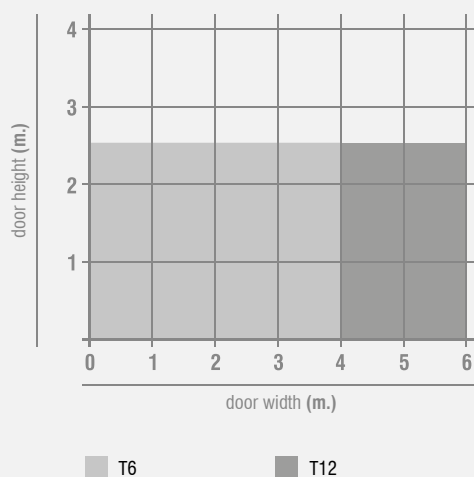
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MORE CONTENT

## TECHNICAL FEATURES

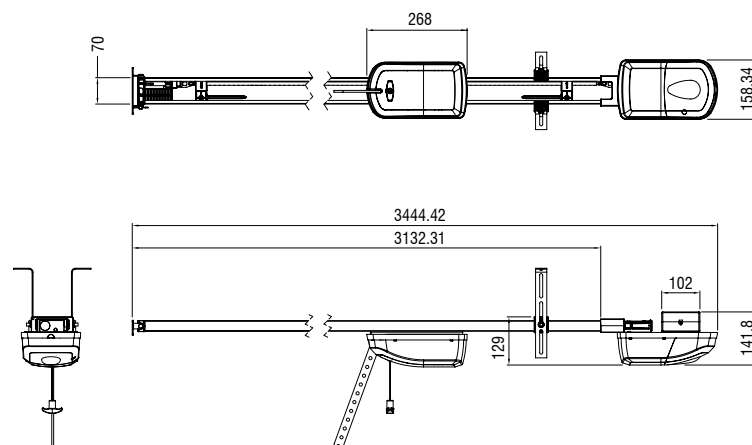
67

	TAIMEN T6	TAIMEN T12
Type of use	RESIDENTIAL	RESIDENTIAL
Frequency of use	30%	30%
Motor power supply	24 Vdc	24 Vdc
Absorbed power	80W	140W
Protection degree	IP20	IP20
Max thrust force	600 N	1200 N
Adjustable thrust	ELECTRONIC	ELECTRONIC
Adjustable speed	YES	YES
Max door surface	10 sm	15 sm
Max door height (standard rail)	2,5 M	2,5 M
Operating temperature	-20°C + 60°C	-20°C + 60°C
On board courtesy light	YES with LED	YES with LED
Door speed	adjustable max 125 mm/sec	adjustable max 125 mm/sec
Soft start/stop	YES	YES

## APPLICATION DIAGRAM



## DIMENSIONS









## GARAGE DOOR SYSTEMS.

68

**TAIMEN**

**24V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

				Code
<b>TAIMEN T6</b>	The kit includes: N° 1 T6 electromechanical drive unit with embedded control unit and radio receiver, 2 rolling code remote controls and fastenings. <b>Arm for counterweight doors (AJ00303) not included</b>	1	30	K026/B
<b>TAIMEN T12</b>	The kit includes: N° 1 T12 electromechanical drive unit with embedded control unit and radio receiver, 2 rolling code remote controls and fastenings. <b>Arm for counterweight doors (AJ00303) not included</b>	1	30	K036/B

### ACCESSORIES



**AJ01450**  
1 m extension rails for TAIMEN



**AJ00303**  
Adapter arm for overheads  
with counterweights doors



**AJ01455**  
Additional rail  
support brackets



**AS06070 (TAIMEN)**  
Spare control unit  
for TAIMEN



**AJ01460**  
External release device  
(door mounting)



**AJ01470**  
6 m extension cable  
with rail joint



**AJ01510**  
Battery back-up kit  
for TAIMEN

## INSTALLATION LAY-OUT



**1 TAIMEN**  
TAIMEN operator



**2 AJ00303**  
Counterweight  
door arm



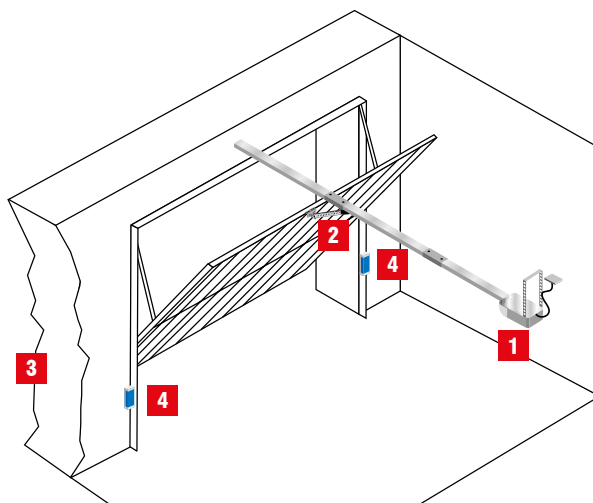
**3 AU01940**  
Wall mounted key selector  
model DCS100



**4 AU02250**  
Pair of DCF180  
wall mounted photocells



**5 AU03100**  
MAKO remote control  
433Mhz





## GARAGE DOOR SYSTEMS.

70

### AUTOBOX

230-24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Electromechanical operator in 230Vac and 24Vdc for counterweight overhead doors of little and medium dimensions, for residential and condominium use.

#### EASY TO INSTALL

Thanks to the assembling kit on the door, complete with all the accessories. The motor and limit switches integrated are pre-assembled.

#### SILENT AND FAST

AUTOBOX is built with gears completely in treated steel and bronze-aluminium, assembled and tested in all its functions. In 24Vdc version, speed is adjustable with soft stop function.

#### TECHNOLOGICAL AND SAFE

Only high-quality materials, special treatments for the gears and motors tested to last for a long time. Courtesy light and anti-crushing system integrated (24Vdc version). Moreover it is possible to connect the safety devices, as established by EN12453 standards.

#### A COMPLETE AND RELIABLE RANGE

The different typologies of installation kit allow finding a solution for every kind of door.

COURTESY  
LIGHT



STEEL AND  
BRONZE GEARS

RELEASE  
DEVICE

OPEN/CLOSE LIMIT  
SWITCHES WITH  
DOUBLE READING



DOWNLOAD  
MORE CONTENT

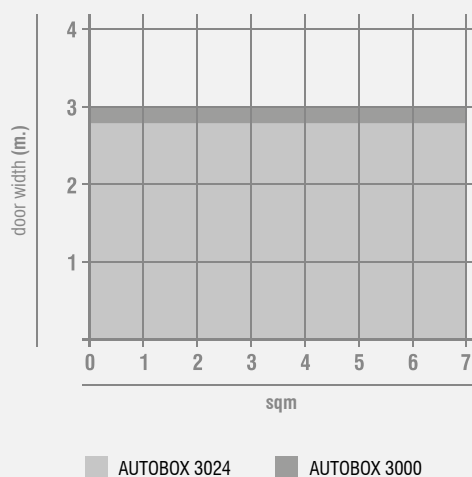
## TECHNICAL FEATURES

71

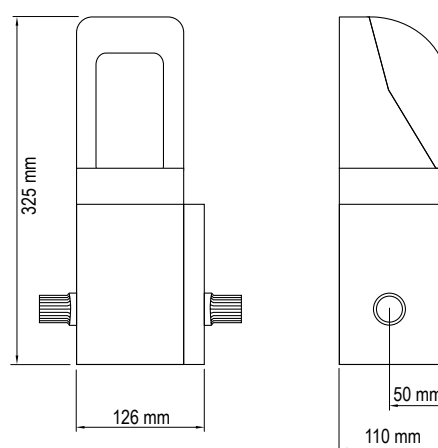
	AUTOBOX 3000	AUTOBOX 3024
Type of use	RESIDENTIAL	HEAVY DUTY
Frequency of use	30%	40%
Motor power supply	230Vac - 50/60Hz	24 Vdc
Absorbed power	200W	100W
Protection degree	IP40	IP40
Max torque	250 Nm	250 Nm
Shaft rotation speed	7,8°/s	5,6°/s
Adjustable speed	SI	SI
Max door surface	7 sm	7 mq
Operating temperature	-20°C + 60°C	-20°C + 60°C
On board courtesy light	YES	YES
Encoder/limit switch	LIMIT SWITCHES O/C	LIMIT SWITCHES O/C
Weight of the unit	8,6 Kg	8,6 Kg

## APPLICATION DIAGRAM

Single motor application



## DIMENSIONS







## GARAGE DOOR SYSTEMS.

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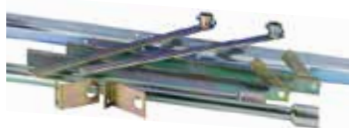
### AUTOBOX

230-24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

					Code
<b>AUTOBOX 3000</b>	230 Vac - with open and close limit switches		1	30	<b>50300</b>
<b>AUTOBOX 3024</b>	24 vdc - with open and close limit switches	<b>EN</b>	1	30	<b>503004</b>

#### ACCESSORIES



##### AJ00370 / AJ00380

Kit for the installation of 1/2 motors with straight arms. 2 m longitudinal member



##### AJ00391 / AJ00401

Kit for the installation of 1/2 motors with curved arms. 2 m longitudinal member

#### CONTROL UNITS



##### For AUTOBOX 3000

**AS05060** (BA 100)  
See page 126



##### For AUTOBOX 3024

**AS05030** (BSC 24)  
See page 128



##### AJ00861

External release device  
(door mounting)



##### AJ01482

Battery back kit  
for BSC24 board

## INSTALLATION LAY-OUT



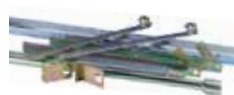
**1 AUTOBOX**  
AUTOBOX operator



**2A AS05060**  
For AUTOBOX 3000  
(BA 100)



**2B AS05030**  
For AUTOBOX 3024  
(BSC 24)



**3 AJ00370**  
Installation kit



**4 70710 - 70724**  
Complete flashing lamp  
device DSL70710 230 Vac  
DSL70724 24 Vdc



**5 AU02910**  
2 channels plug-in  
receiver board  
for control units



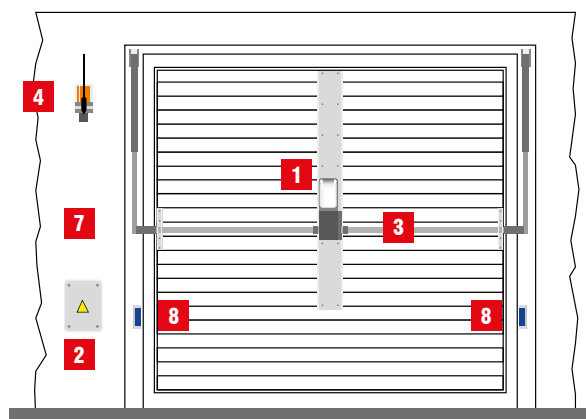
**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100



**8 AU02250**  
Pair of DCF180  
wall mounted photocells





## ROLLING SHUTTER SYSTEMS.

74

ELECTROMECHANICS



**RESIDENTIAL USE**

**MAX LIFTING  
POWER 170 KG**

**MPS160**

**PAGE  
76**

**MAX LIFTING  
POWER 180 KG**

**MPS240**

**PAGE  
76**

**MAX LIFTING  
POWER 280 KG**

**MPS160BM**

**PAGE  
76**

**MAX LIFTING  
POWER 360 KG**

**MPS240BM**

**PAGE  
76**



## ROLLING SHUTTER SYSTEMS.

76

MPS

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Central gearmotors for rolling shutters, for residential and commercial use.

### EASY TO INSTALL

Thanks to the assembling kit, adaptors and cable included.

### SILENT AND FAST

Exclusively made with high quality materials.

### TECHNOLOGICAL AND SAFE

Limit switch adjusting system constrained to the reduction gear for an accurate and lasting adjustment. Protected electrical connections.

### A COMPLETE AND RELIABLE RANGE

With or without electro-brake, single or bi-motor, a complete range for every kind of need.

ALUMINIUM  
STRUCTURE

STEEL  
GEARBOX



ADJUSTABLE EMBEDDED  
LIMIT SWITCHES



TWIN-ENGINE  
VERSION



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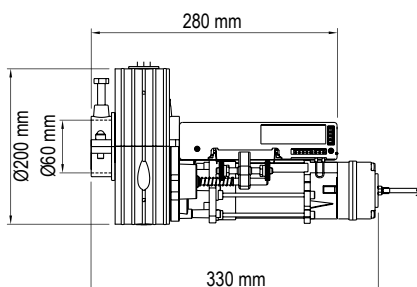
## TECHNICAL FEATURES

77

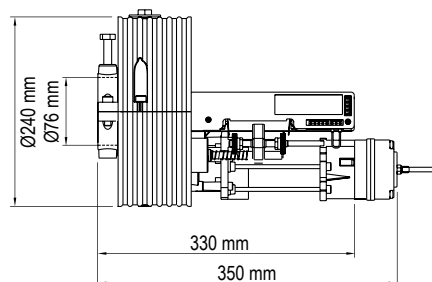
	MPS 160 - 160E	MPS 160 BM - 160E BM	MPS 240 - 240E	MPS 240BM - 240E BM
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	630 W	1260 W	630 W	1260 W
Absorbed current	2,7 A	5,4 A	2,7 A	5,4 A
Max torque	170 Nm	280 Nm	210 Nm (200 Nm for the version E)	420 Nm (400 Nm for the version E)
Rpm	10	10	8	8
Limit switch range	6	5/6	5/6	5/6
Electro-brake	NO (YES for the version E)	NO (YES for the version E)	NO (YES for the version E)	YES
Pole diameter	200/220 mm	200/220 mm	240 mm	240 mm
Crown	60 mm	60 mm	76 mm	76 mm
Lifting power	170 Kg	280 Kg	180 Kg	360 Kg
Thermal cut out	4 min	4 min	4 min	4 min
Operator weight	7 Kg (8 Kg for the version E)	13 Kg (14 Kg for the version E)	9 Kg (10 Kg for the version E)	16 Kg (17 Kg for the version E)

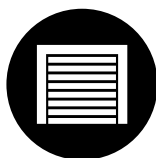
## DIMENSIONS

**MPS 160**



**MPS 240**





## ROLLING SHUTTER SYSTEMS.

78

MPS

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

				Code
<b>MPS160</b>	*230 Vac central gearmotor for rolling shutters of max 170 Kg, with limit switches, Ø 200/220 mm crown and Ø 60 mm	1	40	<b>MPS160/2013</b>
<b>1 MPS160E</b>	*230 Vac central gearmotor for rolling shutters of max 170 Kg, with limit switches and electro-brake, Ø 200/220 mm crown and Ø 60 mm	1	40	<b>MPS160E-2013</b>
<b>MPS160BM</b>	*230 Vac central gearmotor with double engine for rolling shutters of max 280 Kg, with limit switches, Ø 200/220 mm crown and Ø 60 mm	1	40	<b>MPS160BM-2013</b>
<b>MPS160BME</b>	*230 Vac central gearmotor with double engine for rolling shutters of max 280 Kg, with limit switches and electro-brake, Ø 200/220 mm crown and Ø 60 mm	1	40	<b>MPS160BME-2013</b>
<b>MPS240</b>	230 Vac central gearmotor for rolling shutters of max 180 Kg, with limit switches, Ø 240 mm crown and Ø 76 mm	1	22	<b>MPS240-2013</b>
<b>MPS240E</b>	230 Vac central gearmotor for rolling shutters of max 180 Kg, with limit switches and electro-brake, Ø 240 mm crown and Ø 76 mm	1	22	<b>MPS240E-2013</b>
<b>MPS240BM</b>	230 Vac central gearmotor with double engine for rolling shutters of max 360 Kg, with limit switches, Ø 240 mm crown and Ø 76 mm	1	22	<b>MPS240BM-2013</b>
<b>MPS240BME</b>	230 Vac central gearmotor with double engine for rolling shutters of max 360 Kg, with limit switches and electro-brake, Ø 240 mm crown and Ø 76 mm	1	22	<b>MPS240BME-2013</b>

\* Box includes: no. 1 crown adapter Ø 220 mm, no. 1 pole adapter Ø 48 mm and 4 m electrical cable

### ACCESSORIES



**KEF01/2013**  
Electro-brake kit  
with manual override  
for MPS 120-160-240



**SBC02/2013**  
Aluminium key switch for  
in-wall mounting with lock,  
push button and electro-brake  
release device



**SBC03/2013**  
Aluminium key switch for  
wall mounting (external)  
with lock, push button and  
electro-brake release device



**AS05730 (SR 100)**  
Control unit with  
embedded radio receiver.  
See page 133



**AS07000 (SR 2)**  
Control unit with  
embedded radio receiver.  
See page 134



**SBC04/2013**  
Armored aluminium key switch  
for wall mounting with euro-  
profile lock, push button and  
electro-brake release device



**SBC01/2013**  
Armored burglar resistant  
key switch for inwall mounting  
with push button and electro-  
brake release device.



**EWSCE230 (SR 300)**  
Control unit with  
embedded radio receiver.  
See page 135

**MPS**

**KIT**

**79**

Code

KIT MPS 160E

**1** x1

**2** x1

**3** x1

KMPS160E

### INCLUDED IN THE KIT:



**1 MPS**  
MPS160E operator

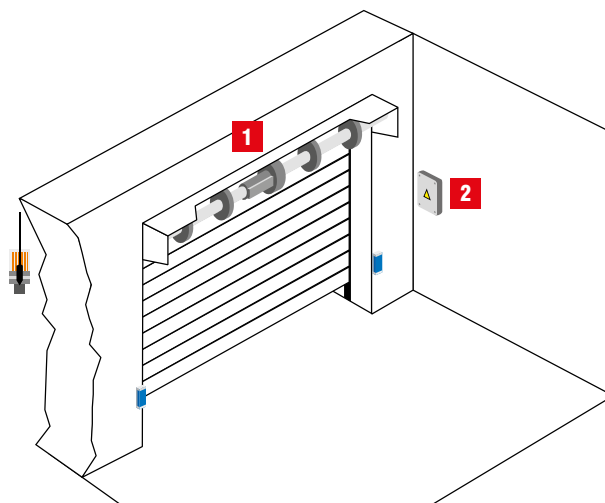


**2 AS07000**  
Control unit with embedded  
radio receiver (SR2)



**3 AU03100**  
MAKO remote control  
433Mhz

### INSTALLATION LAY-OUT





## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

80



RESIDENTIAL USE



MECHANICS AND RADIO-MECHANICS

M-RM

PAGE  
82

RADIO-ELECTRONICS AND WIRELESS

RE-REB

PAGE  
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## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

82

### RUNNER M - RM

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

The range of M and RM series motors (BIDIRECTIONAL Radio Mechanical) is suitable for residential and commercial use.

Available in diameters 35-45-55 and with powers ranging from 6 Nm to 120 Nm.

RUNNER RM can satisfy every specific need to get curtains and shutters automated. The integrated radio receiver allows the operator programming and management by means of a remote control.

#### BASIC TECHNICAL DATA

- Easy installation and programming
- Mechanical limit switch with progressive adjustment
- Limit switch adjustment directly from the remote control (RM series)
- Internal receiver 433.92 Mhz (RM series)
- Head with central hole Ø 12 mm for mounting in the monobloc drawer
- 2 m long connection cable
- For axles Ø 40, 43, 50, 56, 60, 70 and 78 mm
- Equipped with button output (RM series)
- Compatible with a wide range of GIBIDI automation (M series)
- Compatible with the entire range of FREE DOMUS radio remote controls and home automation (RM series)
- Version with emergency maneuver available



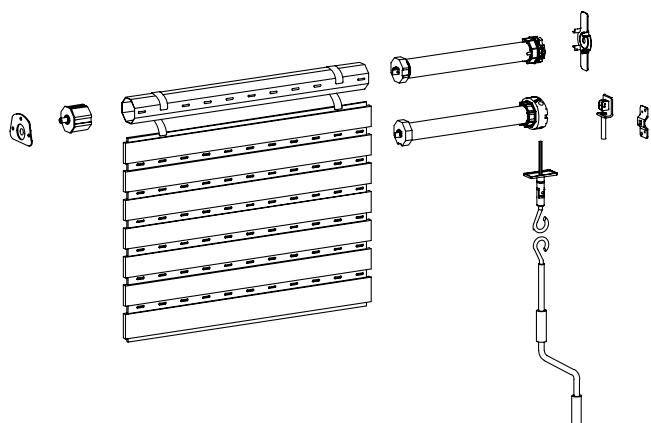
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## TECHNICAL FEATURES

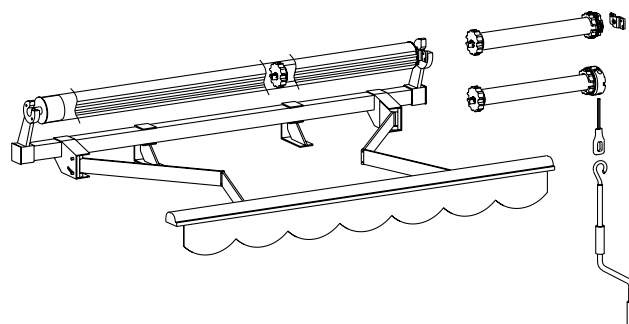
83

RUNNER	Nominal torque	Nominal speed	Pipe diameter	Power supply	Absorbed power	Max n° of revolutions	IP protection degree	Radio receiver freq.
M35 6/28	6 Nm	28 Rpm	35 mm	230vac 50Hz	121 W	30	IP44	/
M35 10/17	10 Nm	17 Rpm	35 mm	230vac 50Hz	121 W	30	IP44	/
M45 10/26	10 Nm	26 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	/
M45 20/17	20 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	/
M45 30/17	30 Nm	17 Rpm	45 mm	230vac 50Hz	191 W	23	IP44	/
M45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	205 W	23	IP44	/
M55 80/12	80 Nm	12 Rpm	55 mm	230vac 50Hz	385 W	22	IP44	/
M55 100/10	100 Nm	10 Rpm	55 mm	230vac 50Hz	420 W	22	IP44	/
M55 120/9	120 Nm	9 Rpm	55 mm	230vac 50Hz	420 W	22	IP44	/
SOS45 30/15	30 Nm	17 Rpm	45 mm	230vac 50Hz	191 W	22	IP44	/
SOS45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	205 W	22	IP44	/
SOS59 80/12	80 Nm	12 Rpm	59 mm	230vac 50Hz	385 W	22	IP44	/
SOS59 100/12	100 Nm	10 Rpm	59 mm	230vac 50Hz	420 W	22	IP44	/
SOS59 120/9	120 Nm	9 Rpm	59 mm	230vac 50Hz	420 W	22	IP44	/
RM45 20/17	20 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	433,92 Mhz
RM45 30/17	30 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	23	IP44	433,92 Mhz
RM45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	191 W	23	IP44	433,92 Mhz
RM55 120/9	120 Nm	9 Rpm	55 mm	230vac 50Hz	396 W	22	IP44	433,92 Mhz
SOS RM45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	191 W	23	IP44	433,92 Mhz
SOS RM59 100/10	100 Nm	10 Rpm	59 mm	230vac 50Hz	420 W	22	IP44	433,92 Mhz

### PRACTICAL SHUTTERS LAY-OUT



### PRACTICAL SUN AWNINGS LAY-OUT





## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.


84

### RUNNER M - RM

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

			Code
<b>M35 6/28</b>	Tubular motor Ø 35mm - 6,0 Nm - fast operation	1	<b>EWSE35628</b>
<b>M35 10/17</b>	Tubular motor Ø 35mm - 10 Nm	1	<b>EWSE351017</b>
<b>M45 20/17</b>	Tubular motor Ø 45mm - 20 Nm	1	<b>EWSE452017</b>
<b>M45 30/17</b>	Tubular motor Ø 45 mm - 30 Nm	1	<b>EWSE453017</b>
<b>M45 50/12</b>	Tubular motor Ø 45 mm - 50 Nm	1	<b>EWSE455012</b>
<b>M55 80/12</b>	Tubular motor Ø 55 mm - 80 Nm	1	<b>EWSE558012</b>
<b>M55 100/10</b>	Tubular motor Ø 55 mm - 100 Nm	1	<b>EWSE5510010</b>
<b>M55 120/9</b>	Tubular motor Ø 55 mm - 120 Nm	1	<b>EWSE551209</b>
<b>SOS45 30/15</b>	Tubular motor Ø 45 mm - 30 Nm - with emergency manual override	1	<b>EWSE453015MS</b>
<b>SOS45 50/12</b>	Tubular motor Ø 45 mm - 50 Nm - with emergency manual override	1	<b>EWSE455012MS</b>
<b>SOS59 80/12</b>	Tubular motor Ø 59 mm - 80 Nm - with emergency manual override	1	<b>EWSE598012MS</b>
<b>SOS59 100/12</b>	Tubular motor Ø 59 mm - 100 Nm - with emergency manual override	1	<b>EWSE5910012MS</b>
<b>SOS59 120/9</b>	Tubular motor Ø 59 mm - 120 Nm - with emergency manual override	1	<b>EWSE591209MS</b>
<b>RM45 20/17</b>	Tubular motor with embeeded radio receiver Ø 45 mm - 20 Nm	1	<b>EWSE452017RM</b>
<b>RM45 30/17</b>	Tubular motor with embeeded radio receiver Ø 45 mm - 30 Nm	1	<b>EWSE453017RM</b>
<b>RM45 50/12</b>	Tubular motor with embeeded radio receiver Ø 45 mm - 50 Nm	1	<b>EWSE455012RM</b>
<b>RM55 80/12</b>	Tubular motor with embeeded radio receiver Ø 55 mm - 80 Nm	1	<b>EWSE558012RM</b>
<b>RM55 100/12</b>	Tubular motor with embeeded radio receiver Ø 55 mm - 100 Nm	1	<b>EWSE5510012RM</b>
<b>RM55 120/9</b>	Tubular motor with embeeded radio receiver Ø 55 mm - 120 Nm	1	<b>EWSE551209RM</b>
<b>SOS RM45 50/12</b>	Tubular motor with embeeded radio receiver Ø 45 mm - 50 Nm - with emergency manual override	1	<b>EWSE455012RMMS</b>
<b>SOS RM59 100/10</b>	Tubular motor with embeeded radio receiver Ø 59 mm - 100 Nm - with emergency manual override	1	<b>EWSE5910010RMMS</b>

 Adapters and brackets included

### ACCESSORIES



**EWSETX1ENOX**  
1 ch 433 MHz Remote  
control with magnetic wall  
mounting support



**EWSETX6ENOX**  
6 ch 433 MHz Remote  
control with magnetic wall  
mounting support



**EWSETX16ENOX**  
16 ch 433 MHz Remote  
control with magnetic wall  
mounting support



**EWSETX5T**  
5 ch 433MHz  
Table remote control



**EWSETX1T**  
1 ch 433MHz  
Table remote control

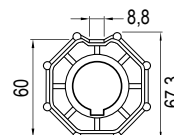
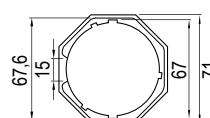
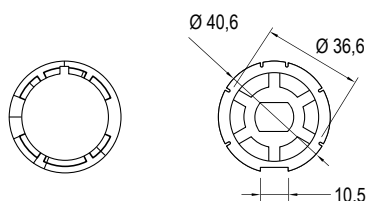


**WSEAN**  
Vibrations sensor

## CROWNS, PULLEY, BRACKETS



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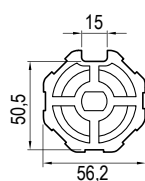
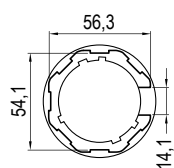


### MOTORS Ø 35

- AJWSE0027** Pulley
- AJWSE0026** Crown
- AJWSE0061** Bracket

### MOTORS Ø 55

- AJWSE0066** Octagonal pulley Ø 70 mm
- AJWSE0065** Octagonal crown Ø 70 mm
- AJWSE0071** Pole adapter Ø 59-55 mm
- AJWSE0068** Pulley with ogive Ø 78 mm (for sun awnings)
- AJWSE0067** Crown with ogive Ø 78 mm (for sun awnings)



### MOTORS Ø 45

- AJWSE0041** Octagonal pulley Ø 60 mm
- AJWSE0040** Octagonal crown Ø 60 mm
- AJWSE0046** Pulley with ogive Ø 70mm (for sun awnings)
- AJWSE0047** Crown with ogive Ø 70mm (for sun awnings)
- AJWSE0061** Wall bracket

**!** Use the QR code to get all adapters



**EWSETX1WALL**  
1 ch 433 MHz wireless  
push button with wall  
mounting support



**EWSETX2WALL**  
2 ch 433 MHz wireless  
push button with wall  
mounting support



**EWSCE110-220**  
Mini control unit for  
awnings and shutters with  
embedded radio receiver



**EWSCE230**  
Control unit for rolling  
shutters with embedded  
radio receiver (SR300)



**EWSCEVENTO**  
Control unit with programming  
display and bi-directional  
radio receiver with SUN & WIND  
sensors



## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

86

### RUNNER RE - RE-B

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

The RUNNER RE range of BIDIRECTIONAL electronics radio controlled motors is suitable for residential and commercial use.

Available in diameters 35-45-55 and with powers ranging from 6 Nm to 120 Nm.

RUNNER RE can satisfy any specific need to get curtains and shutters automated. The integrated radio receiver allows the programming and management of the operator by the mean of a remote control.

The RUNNER RE-B range of motors is ideal for indoor roller blinds, both in residential and commercial settings.

Available in 25-28-35mm diameter and with powers ranging from 1.1Nm to 3Nm, RUNNER RE-B can satisfy every specific need.

The RUNNER RE-B motor is equipped with an internal battery and therefore no need for power supply. A solar panel or a power supply unit can power it.

#### BASIC TECHNICAL DATA

- Easy installation and programming
- Limit switch adjustment directly from the remote control
- Internal receiver 433.92 Mhz
- 3 intermediate limit switches (RE), there are 5 for RE-B
- Head with central hole Ø 12mm for mounting in the monobloc drawer (RE)
- Connection cable 2 m long
- For axles Ø 40, 43, 50, 56, 60, 70 and 78 mm (shaft Ø 43 for RE-B)
- Equipped with button output
- Compatible with the entire range of FREE DOMUS radio remote controls and home automation.
- Compatible with the main home automation protocols and systems on the market
- Soft START and Soft STOP for RE-B
- About 1,600 manoeuvres with one charge per RE-B

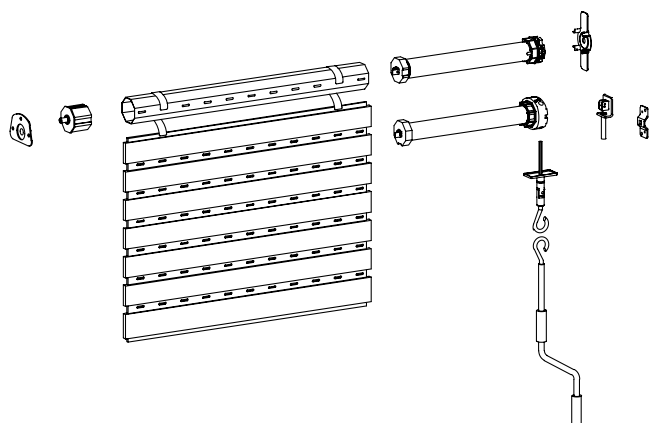


## TECHNICAL FEATURES

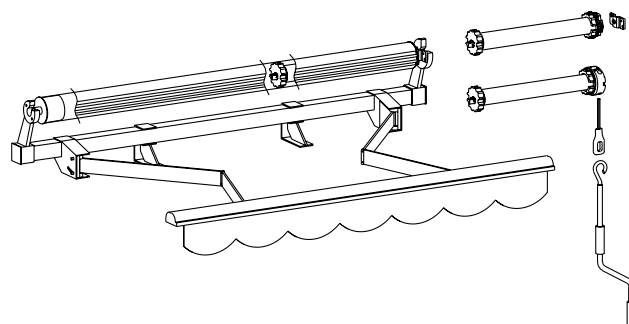
87

RUNNER	Nominal torque	Nominal speed	Pipe diameter	Power supply	Absorbed power	Max n° of revolutions	IP protection degree	Radio receiver freq.
RE-B D25	1,1 Nm	40 Rpm	25 mm	12V	10 W	No limits	IP44	433,92 Mhz
RE-B D28	2 Nm	29 Rpm	28 mm	12V	13 W	No limits	IP44	433,92 Mhz
RE-B D35	3 Nm	28 Rpm	35 mm	12V	16 W	No limits	IP44	433,92 Mhz
RE35 6/28	6 Nm	28 Rpm	35 mm	230vac 50Hz	121 W	32	IP44	433,92 Mhz
RE35 10/17	10 Nm	17 Rpm	35 mm	230vac 50Hz	121 W	32	IP44	433,92 Mhz
RE45 10/26	10 Nm	26 Rpm	45 mm	230vac 50Hz	145 W	No limits	IP44	433,92 Mhz
RE45 20/17	20 Nm	17 Rpm	45 mm	230vac 50Hz	145 W	No limits	IP44	433,92 Mhz
RE45 30/17	30 Nm	17 Rpm	45 mm	230vac 50Hz	191 W	No limits	IP44	433,92 Mhz
RE45 50/12	50 Nm	12 Rpm	45 mm	230vac 50Hz	205 W	No limits	IP44	433,92 Mhz
RE55 80/12	80 Nm	12 Rpm	55 mm	230vac 50Hz	385 W	22	IP44	433,92 Mhz
RE55 100/12	100 Nm	10 Rpm	55 mm	230vac 50Hz	420 W	22	IP44	433,92 Mhz
RE55 120/9	120 Nm	9 Rpm	55 mm	230vac 50Hz	385 W	22	IP44	433,92 Mhz

### PRACTICAL SHUTTERS LAY-OUT



### PRACTICAL SUN AWNINGS LAY-OUT





## SYSTEMS FOR SUN AWNINGS AND SHUTTERS.


88

### RUNNER RE - RE-B

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

			Code
<b>RE-B D25</b>	Radio electronic battery operated tubular motor Ø 25 mm - 1.1 Nm	1	<b>EWSETND251</b>
<b>RE-B D28</b>	Radio electronic battery operated tubular motor Ø 28 mm - 2,2 Nm	1	<b>EWSETND282</b>
<b>RE-B D35</b>	Radio electronic battery operated tubular motor Ø 35 mm - 3.0 Nm	1	<b>EWSETND353</b>
<b>RE35 6/28</b>	Radio electronic tubular motor Ø 35 mm - 6 Nm - multiple limit switches	1	<b>EWSE35628E</b>
<b>RE35 10/14</b>	Radio electronic tubular motor Ø 35 mm - 10 Nm - multiple limit switches	1	<b>EWSE351014E</b>
<b>RE45 10/26</b>	Radio electronic tubular motor Ø 45 mm - 10 Nm - multiple limit switches	1	<b>EWSE451026E</b>
<b>RE45 20/17</b>	Radio electronic tubular motor Ø 45 mm - 20 Nm - multiple limit switches	1	<b>EWSE452017E</b>
<b>RE45 30/17</b>	Radio electronic tubular motor Ø 45 mm - 30 Nm - multiple limit switches	1	<b>EWSE453017E</b>
<b>RE45 50/12</b>	Radio electronic tubular motor Ø 45 mm - 50 Nm - multiple limit switches	1	<b>EWSE455012E</b>
<b>RE55 80/12</b>	Radio electronic tubular motor Ø 55 mm - 80 Nm - multiple limit switches	1	<b>EWSE558012E</b>
<b>RE55 100/12</b>	Radio electronic tubular motor Ø 55 mm - 100 Nm - multiple limit switches	1	<b>EWSE5510012E</b>
<b>RE55 120/9</b>	Radio electronic tubular motor Ø 55 mm - 120 Nm - multiple limit switches	1	<b>EWSE551209E</b>

 Adapters and brackets included

### ACCESSORIES



**EWSETX1ENOX**  
1 ch 433 MHz Remote  
control with magnetic wall  
mounting support



**EWSETX6ENOX**  
6 ch 433 MHz Remote  
control with magnetic wall  
mounting support



**EWSETX16ENOX**  
16 ch 433 MHz Remote  
control with magnetic wall  
mounting support



**EWSETX5T**  
5 ch 433MHz  
Table remote control



**EWSETX1T**  
1 ch 433MHz  
Table remote control



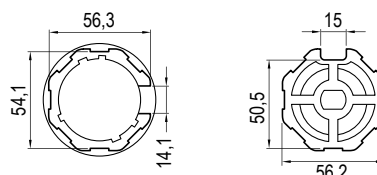
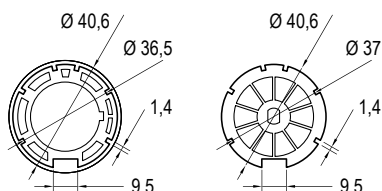
**WSEAN**  
Vibrations sensor



## CROWNS, PULLEY, BRACKETS



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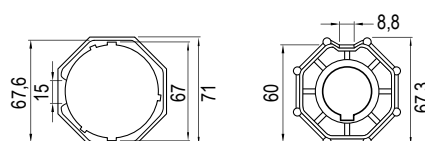
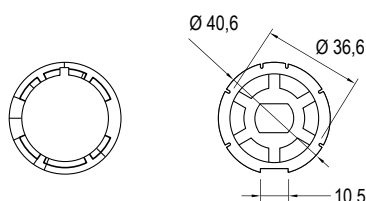


### MOTORS Ø 28

- AJWSE0021** Pulley
- AJWSE0022** Crown
- AJWSE0061** Bracket

### MOTORS Ø 45

- AJWSE0041** Octagonal pulley Ø 60 mm
- AJWSE0040** Octagonal crown Ø 60 mm
- AJWSE0046** Pulley with ogive Ø 70mm (for sun awnings)
- AJWSE0047** Crown with ogive Ø 70mm (for sun awnings)
- AJWSE0061** Wall bracket



### MOTORS Ø 35

- AJWSE0027** Pulley
- AJWSE0026** Crown
- AJWSE0061** Bracket

### MOTORS Ø 55

- AJWSE0066** Octagonal pulley Ø 70 mm
- AJWSE0065** Octagonal crown Ø 70 mm
- AJWSE0071** Pole adapter Ø 59-55 mm
- AJWSE0068** Pulley with ogive Ø 78 mm (for sun awnings)
- AJWSE0067** Crown with ogive Ø 78 mm (for sun awnings)

! Use the QR code to get all adapters



### EWSETX1WALL

1 ch 433 MHz wireless push button with wall mounting support



### EWSETX2WALL

2 ch 433 MHz wireless push button with wall mounting support



### EWSCE110-220

Mini control unit for awnings and shutters with embedded radio receiver



### EWSCE230

Control unit for rolling shutters with embedded radio receiver (SR300)



### EWSCEVENTO

Control unit with programming display and bi-directional radio receiver with SUN & WIND sensors

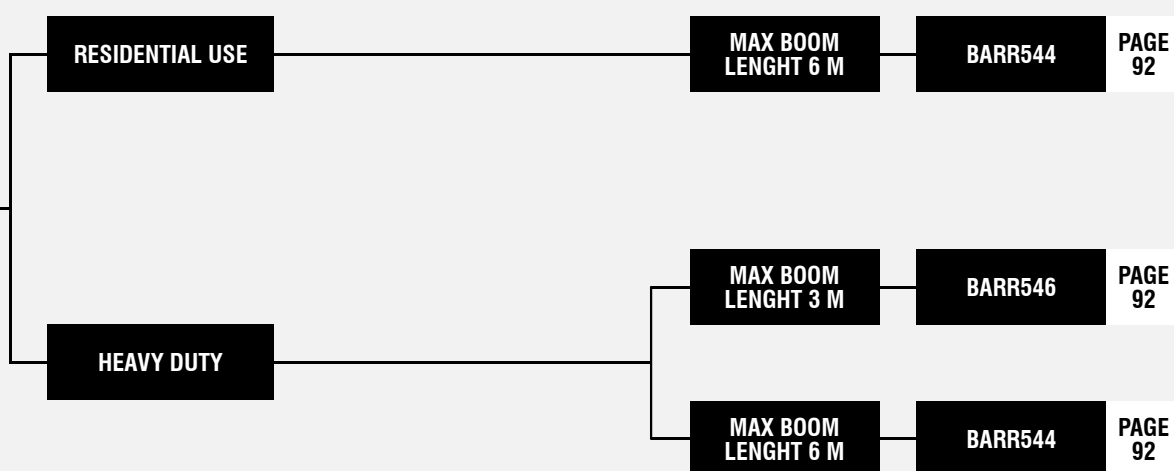


## AUTOMATIC BARRIERS.

90



ELECTROMECHANICS





## AUTOMATIC BARRIERS.

92

### BARR500

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Electromechanical barriers in 24Vdc for passages up to 6 m for intensive use.

#### EASY TO INSTALL

Thanks to the adjustable anchorage system and control unit in elevated position.

#### SILENT AND FAST

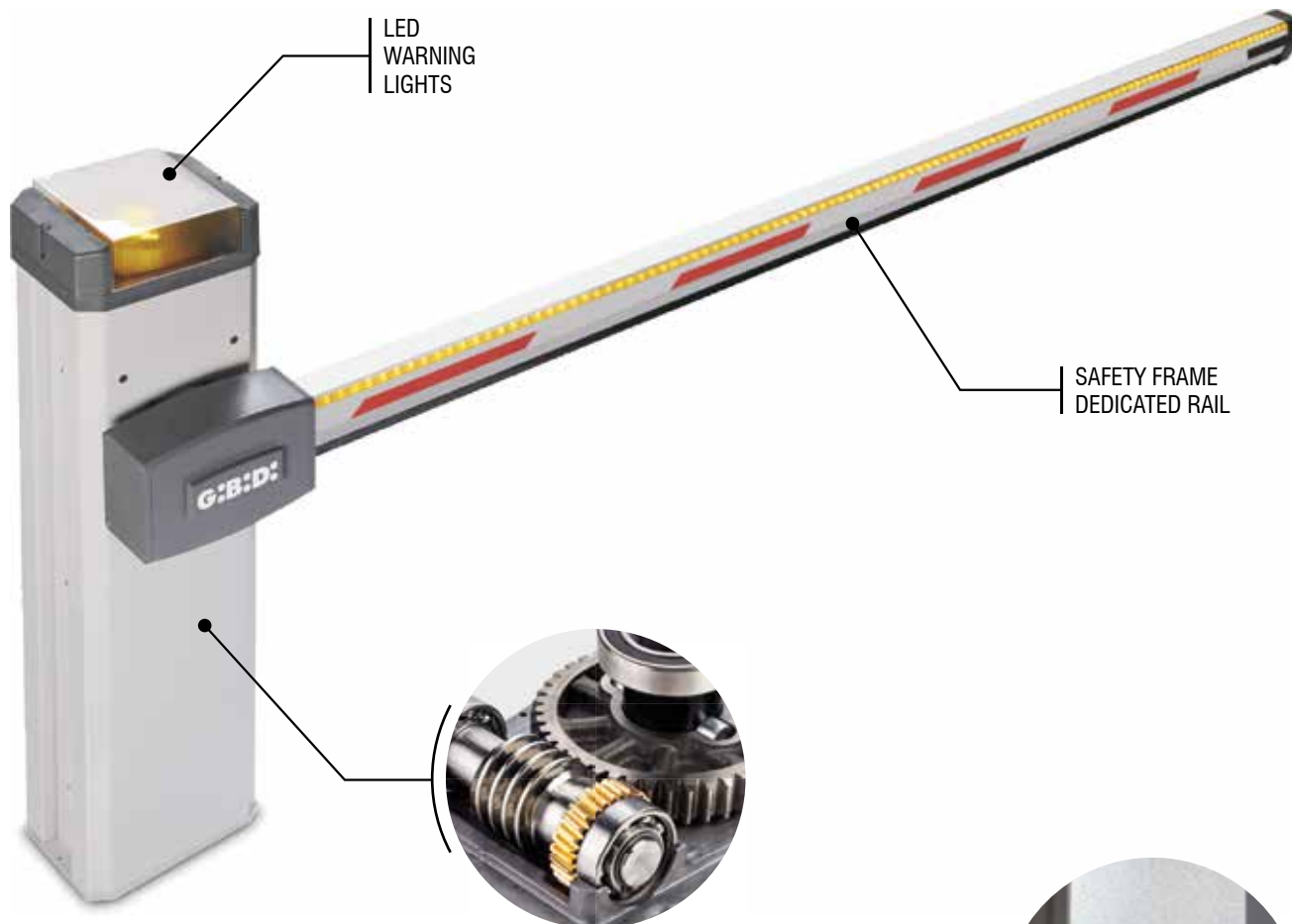
Fast reduction gear for opening in 1,8 sec. and up to 5 sec. Exclusively made with high quality materials.

#### TECHNOLOGICAL AND SAFE

Master/Slave management, integrated traffic-light system, programmable safety devices connection and a lot of special functions. Transmission wheel in pressed and heat-treated steel. Anti-crushing detection integrated and adjustable for more safety, as established by EN 12453 standards.

#### A COMPLETE AND RELIABLE RANGE

Suitable for passages up to 6 m, with a lot of accessories to complete it. Exclusively made with high quality materials. Balancing system with compression springs in special long-lasting steel.



STEEL AND  
BRONZE GEARS



HIGH QUALITY  
PAINTING



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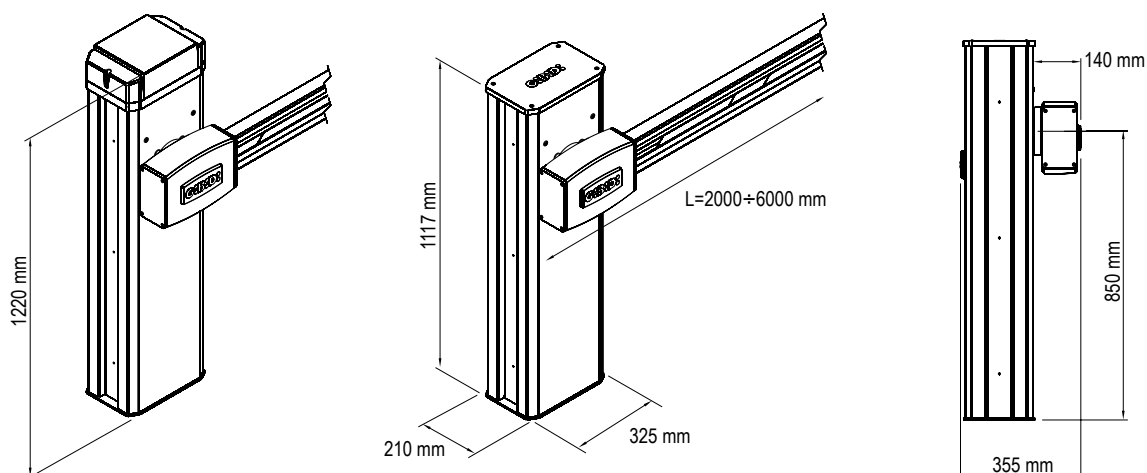
## TECHNICAL FEATURES

93

	BARR 544	BARR 546
Type of use	HEAVY DUTY	HEAVY DUTY
Frequency of use	50% H24	60% H24
Motor power supply	24 Vdc	24 Vdc
Absorbed power	150W	200W
Protection degree	IP55 (IP67 operator)	IP55 (IP67 operator)
Boom lenght	Max. 6,00 m	Max. 3,00 m
Opening time	5 s	1,8 s
Adjustable thrust	YES	YES
Decelerations	YES	YES
Operating temperature	-20°C + 60°C	-20°C + 60°C
Type of boom balancing	COMPRESSION SPRING	COMPRESSION SPRING
Encoder/limit switch	LIMIT SWITCHES O/C	LIMIT SWITCHES O/C
Weight of the unit	45 Kg	45 Kg

! BARR500 have to be considered ready for right hand installation.  
Please refer to the instructions book to modify the use hand and boom balancing

## DIMENSIONS







## AUTOMATIC BARRIERS.

94

**BARR500**

**24V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

					Code
<b>BARR 544</b>	24 Vdc with embedded BR24 control unit	<b>EN</b>	1	8	<b>11524D-S2C</b>
<b>BARR 546</b>	24 Vdc with embedded BR24 control unit, fast version	<b>EN</b>	1	8	<b>11524VD-S2C</b>

- ! Boom inlet not included
- ! Balancing spring not included (see page 96)
- \* Control unit technical details, see page 129

### COMMON ACCESSORIES



**AJ01060**  
Upper LED  
flashing lamp



**AJ01080**  
Cooling fan for the  
barrier control unit  
(suggested when high  
heavy duty is required)



**AJ01100**  
Others accessories  
fixation plate



**AJ01040**  
Foundation plate



**AJ01030**  
Release device with  
personalised lock+keys



**AJ01482**  
Battery back up  
kit for BR24



**AJ01020**  
Paintend fork  
support for booms



**AJ01021**  
Wider fork support end  
to be used with AJ01020  
(suggested for booms  
of 6 m and in presence  
of strong wind)



**11106**  
Aluminium rack, module  
of 1 m. Not suggested  
to be used with fast barrier

## ACCESSORIES FOR THE BOOM 100X66



**AJ01310**  
Boom inlet for booms  
100x66



**AJ01130**  
Kit for the articulated boom  
(not suggested with  
fast barrier)



**AJ01140**  
Kit of plastic covers (boom inlet, end cap)  
necessary if there are boom LED lights  
and safety edges



**AJ01050**  
100x66 boom end support,  
movable version. Necessary  
to add the AJ01140



**Aluminium booms.**  
Red reflective stickers and end caps are included

- AB13000** Boom L=2 m
- AB13010** Boom L=3 m
- AB13020** Boom L=4 m
- AB14010** Boom L=4,5 m
- AB14020** Boom L=5 m
- AB13030** Boom L=5,7 m



**Kit of LED boom lights** with plugs and caps.  
To be used with AJ01140

- AJ70260** LED light kit for 2 m boom
- AJ70270** LED light kit for 3 m boom
- AJ70250** LED light kit for 4 m boom
- AJ70290** LED light kit for 4,5 m boom
- AJ70300** LED light kit for 5 m boom
- AJ70280** LED light kit for 5,7 m boom



**8K2 safety edge.**  
To be used with AJ01140

- AJ01270** 8K2 safety edge for 2 m boom
- AJ01280** 8K2 safety edge for 3 m boom
- AJ01290** 8K2 safety edge for 4 m boom
- AJ01530** 8K2 safety edge for 4,5 m boom
- AJ01540** 8K2 safety edge for 5 m boom
- AJ01300** 8K2 safety edge for 5,7 m boom

## ACCESSORIES FOR THE BOOM 80X40



**Aluminium booms.**  
Red reflective stickers and end caps are included

- AB13040** Boom L=2 m
- AB13050** Boom L=3 m
- AB13060** Boom L=4 m
- AB13070** Boom L=6 m



**AJ01010**  
Boom inlet  
for booms 80x40



**AJ01260**  
80x40 boom end support,  
movable version



# AUTOMATIC BARRIERS.

96

**BARR500**

**24V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC



## balancing spring choice

Spring type	A	B	C	D	E	F
Code	AJ01340	AJ01350	AJ01360	AJ01370	AJ01380	AJ01390

## 100x66 mm profile accessories

### Boom lenght (m)

	2	2,5	3	3,5	4	4,5	5	5,5	6
Boom	A	A	A	B	B	C	D	D	E
Boom + Light	A	A	A	B	C	C	D	E	E
Boom + Edge	A	A	B	B	C	D	E	E	F
Boom + Edge + Light	A	A	B	B	C	D	E	F	F
Boom + Endfoot	A	A	B	B	C	D	E		
Boom + Endfoot + Light	A	A	B	B	C	D	E		
Boom + Endfoot + Edge	A	A	B	C	D	E	E		
Boom + Endfoot + Edge + Light	A	B	B	C	D	E	F		
Boom + Rack	A	A	B	B	C	D	E	E	F
Boom + Rack + Light	A	A	B	B	C	D	E	F	F
Boom + Rack + Endfoot	A	B	B	C	D	E	E		
Boom + Rack + Endfoot + Light	A	B	B	C	D	E	F		
Articulated boom		B	B	B	C				
Articulated boom + Light		B	B	C	D				
Articulated boom + Edge		B	B	B	D				
Articulated boom + Edge + Light		B	B	C	D				
Articulated boom + Endfoot		B	B	C	D				
Articulated boom + Endfoot + Light		B	B	C	D				
Articulated boom + Endfoot + Edge + Light		B	B	C	D				

## 80x40 mm profile accessories

### Boom lenght (m)

	2	2,5	3	3,5	4	4,5	5	5,5	6
Boom	A	A	A	A	B	B	B	C	D
Boom + Edge	A	A	A	B	B	C	C	D	E
Boom + Endfoot	A	A	A	B	B	B	C	C	D
Boom + Edge + Endfoot	A	A	B	B	B	C	D	D	E
Boom + Rack	A	A	A	B	B	C	D	D	E
Boom + Rack + Endfoot	A	A	B	B	B	C	D	D	E



## INSTALLATION LAY-OUT



**1 BARR500**  
BARR500 operator



**1** Balancing spring  
for boom



**2** Boom 100x66



**2 AJ01310**  
Boom inlet 100x66



**2 AJ01140**  
Kit of plastic covers  
(boom inlet, end cap)



**2** Boom lights



**3** Boom  
supports



**4 AJ01040**  
Foundation plate



**5 AJ01060**  
Upper Led flashing lamp



**6 AU02910**  
2 channels plug-in  
receiver board  
for control units



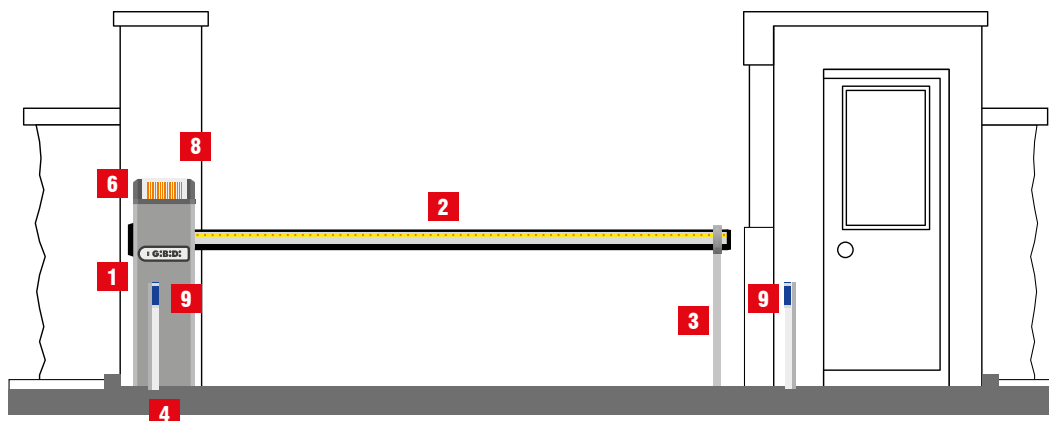
**7 AU03100**  
MAKO remote control  
433Mhz

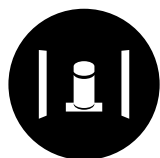


**8 AU01940**  
Wall mounted key selector  
model DCS100



**9 AU02250**  
Pair of DCF180  
wall mounted photocells





BOLLARDS.

98

ELECTROMECHANICS

HYDRAULICS

RESIDENTIAL USE

Ø 275 MM  
H 600 MM

DPT260EM

PAGE  
100

VERY HEAVY DUTY

Ø 275 MM  
H 600 MM

DPT260

PAGE  
100

Ø 275 MM  
H 800 MM

DPT280

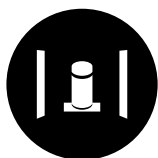
PAGE  
100

COUNTER-TERRORISM  
PURPOSE

Ø 275 MM  
H 900 MM

DPT290K

PAGE  
104



BOLLARDS.

100

DPT260-280

230-24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Automatic rising bollards in 230Vac with hydraulic or electromechanical technology.

#### EASY TO INSTALL

The motorisation is always integrated and they are ready to be fit in their foundation boxes.

#### SILENT AND STRONG

Special motors balanced for a silent operation, cylinder thickness from 4 to 6 mm and diameter of 275 mm. One of the strongest of its range.

#### PERFORMING

Made with special motor to be faster and more durable in time.

#### TECHNOLOGICAL AND SAFE

Available with plenty of optional, such as sensor for traffic light, E.F.O. kit for emergency fast operation and much more.

#### DESIGN

Smart, with led crown integrated, power painted and customizable on demand with every colour, or made in brushed stainless steel.

HIGH VISIBILITY  
REFLECTIVE BAND

PAINTED OR  
STAINLESS  
STEEL

CYLINDER  
THICKNESS  
4-6 MM



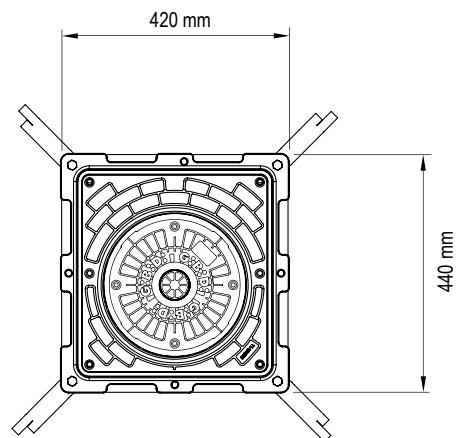
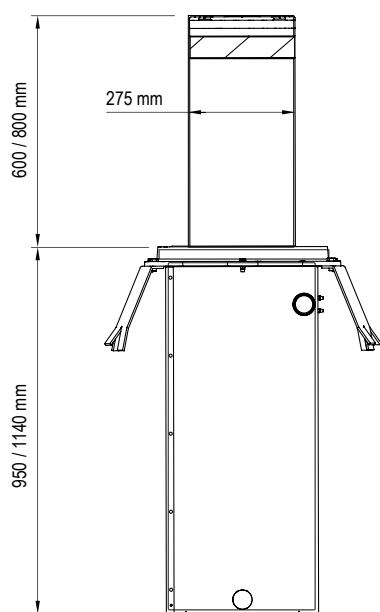
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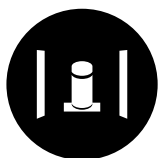
## TECHNICAL FEATURES

101

	T260 EM	T260	T280
Type of use	RESIDENTIAL	HEAVY DUTY	HEAVY DUTY
Frequency of use	30%	40%	40%
Motor power supply	230Vac - 50/60Hz	230Vac - 50/60Hz	230Vac - 50/60Hz
Absorbed power	250 W	2,2 - 3,4 A	2,2 - 3,4 A
Protection degree	IP67	IP67	IP67
Resistance to impact without deformation	30.000 J	40.000 J	40.000 J
Anti-breakthrough resistance	150.000 J	250.000 J	250.000 J
Opening/closing time	5 s.	2,4 - 4 s.	3 - 5 s.
Cylinder diameter	273 mm	273 mm	273 mm
Cylinder stroke	600 mm	600 mm	800 mm
Thickness of the cylinder	4 mm	6 mm	6 mm
Operating temperature	-20°C +60°C	-40°C +70°C	-40°C +70°C

## DIMENSIONS







BOLLARDS.

102

DPT260 EM

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

				Code
<b>DPT260/EM</b>	Electromechanic bollard H600 - Painted steel	1	4	<b>DPT260/EM</b>
<b>DPT260/EM/LED</b>	Electromechanic bollard H600 with LED - Painted steel	1	4	<b>DPT260/EM/LED</b>
<b>DPT260/EM/X</b>	Electromechanic bollard H600 - stainless steel	1	4	<b>DPT260/EM/X</b>
<b>DPT260/EM/X/LED</b>	Electromechanic bollard H600 with LED - stainless steel	1	4	<b>DPT260/EM/X/LED</b>

## ACCESSORIES

**AJDPT/EM**  
Foundation box  
for DPT/EM

**AJDPT/EM/CH**  
AJDPT/EM foundation  
box lid

**AJDPT/BZ**  
Buzzer


**86000**  
Personalised RAL colour  
on demand

**AJDPT/HR**  
Heating element  
+ thermostat  
+ transformer

**AJDPT/TLC**  
Magnetic contact  
for traffic light

**AJDPT/EM/AC**  
Additional connection line  
for DPT/EM (multiple of 5m -  
max 20 m)

**ASDPT/EM-003**  
Control unit for max 3 DPT260/EM  
with 2 batteries of 12V - 7Ah



 Please verify with sales department first

## DPT260

**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**103**

				Code
<b>DPT260</b>	Hydraulic bollard H600 - Painted steel	1	4	<b>DPT260</b>
<b>DPT260/LED</b>	Hydraulic bollard H600 with LED - Painted steel	1	4	<b>DPT260/LED</b>
<b>DPT260/X</b>	Hydraulic bollard H600 - Stainless steel	1	4	<b>DPT260/X</b>
<b>DPT260/X/LED</b>	Hydraulic bollard H600 with LED - Stainless steel	1	4	<b>DPT260/X/LED</b>
<b>DPT260PL</b>	Removable bollard with basement H600 - painted steel (with LED as optional)	1	4	<b>DPT260PL</b>
<b>DPT260PL/X</b>	removable bollard with basement H600 - stainless steel (with LED as optional)	1	4	<b>DPT260PL/X</b>
<b>DPT260PF</b>	Fixed bollard H600 - painted steel (with LED as optional)	1	4	<b>DPT260PF</b>
<b>DPT260PF/X</b>	Fixed bollard H600 - stainless steel (with LED as optional)	1	4	<b>DPT260PF/X</b>
<b>DPT280</b>	Hydraulic bollard H800 - Painted steel	1	4	<b>DPT280</b>
<b>DPT280/LED</b>	Hydraulic bollard H800 with LED - Painted steel	1	4	<b>DPT280/LED</b>
<b>DPT280X</b>	Hydraulic bollard H800 - Stainless steel	1	4	<b>DPT280X</b>
<b>DPT280/X/LED</b>	Hydraulic bollard H800 with LED - Stainless steel	1	4	<b>DPT280/X/LED</b>
<b>DPT280PL</b>	Removable bollard with basement H800 - painted steel (with LED as optional)	1	4	<b>DPT280PL</b>
<b>DPT280PL/X</b>	Removable bollard with basement H800 - stainless steel (with LED as optional)	1	4	<b>DPT280PL/X</b>
<b>DPT280PF</b>	Fixed bollard H800 - painted steel (with LED as optional)	1	4	<b>DPT280PF</b>
<b>DPT280PF/X</b>	Fixed bollard H800 - stainless steel (with LED as optional)	1	4	<b>DPT280PF/X</b>

## ACCESSORIES

**AJDPT260**  
Foundation box  
for DPT260

**AJDPT280**  
Foundation box  
for DPT280

**AJDPT/BZ**  
Buzzer

**AJDPT/CH**  
AJDPT260 foundation  
box lid

**AJDPT/AC**  
Additional connection line  
for DPT260 (multiple of 5m -  
max 80 m)

**AJDPT/HR**  
Heating element  
+ thermostat  
+ transformer

**AJDPT/EFO**  
E.F.O. emergency  
fast operation unit  
(rising time 1,5 sec)

**86000**  
Personalised RAL colour  
on demand

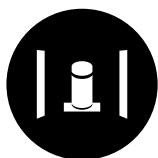
**DPT/LED**  
LED management card  
for DPT260PL/PF

**ASDPT-001**  
Control unit  
for No. 1 DPT260\*

! Please verify with sales department first

\* For installations with more than 2 bollards, please contact the sales department





## BOLLARDS.

104

DPT290K

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Automatic rising bollards in 230Vac with hydraulic technology for specific use in perimeter security and controlled driveways.

### EASY TO INSTALL

The motorisation is always integrated and they are ready to be fit in their special foundation boxes.

### SILENT AND STRONG

Special high efficiency motor. Cylinder thickness from 10 mm, diameter 273 mm and cylinder height 900 mm. **Certificated (K4 – PA68:2013 e IWA 14-1:2013).**

### PERFORMING

For heavy use of 2000 movements and average lifetime (MCBF) of 3.000.000 movements.

### TECHNOLOGICAL AND SAFE

Pre-wired and provided with all possible optional, necessary for a safer installation.

### DESIGN

Smart, with led crown integrated, power painted and customizable on demand with every colour, or made in brushed stainless steel.



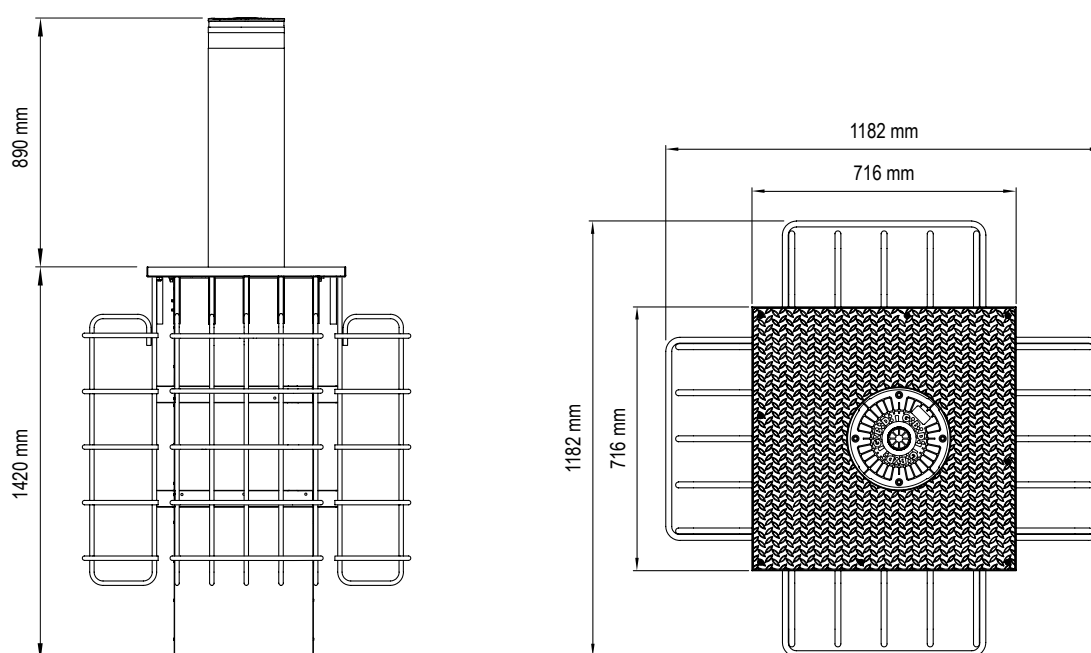
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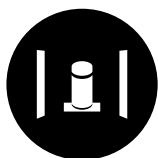
## TECHNICAL FEATURES

105

	<b>T290K</b>
Type of use	<b>HEAVY DUTY</b>
Frequency of use	<b>40%</b>
Motor power supply	<b>230Vac - 50/60Hz</b>
Absorbed power	<b>2,2 - 3,4 A</b>
Protection degree	<b>IP67</b>
Resistance to impact without deformation	<b>250.000 J</b>
Anti-breakthrough resistance	<b>750.000 J</b>
Opening/closing time	<b>2,43,6 - 6 s.</b>
Cylinder diameter	<b>273 mm</b>
Cylinder stroke	<b>900 mm</b>
Thickness of the cylinder	<b>10 mm</b>
Operating temperature	<b>-40°C +70°C</b>

## DIMENSIONS





BOLLARDS.

106

DPT290K

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

				Code
<b>DPT290K</b>	Hydraulic bollard H900-K4 - Painted steel	1	1	<b>DPT290K</b>
<b>DPT290K/LED</b>	Hydraulic bollard H900-K4 with LED - Painted steel	1	1	<b>DPT290K/LED</b>
<b>DPT290K/LED-EFO</b>	Hydraulic bollard H900-K4 with LED + E.F.O. - Painted steel	1	1	<b>DPT290K/LED-EFO</b>
<b>DPT290K/X</b>	Hydraulic bollard H900-K4 - Stainless steel	1	1	<b>DPT290K/X</b>
<b>DPT290K/X/LED</b>	Hydraulic bollard H900-K4 with LED - Stainless steel	1	1	<b>DPT290K/X/LED</b>
<b>DPT290K/X/LED-EFO</b>	Hydraulic bollard H900-K4 with LED + E.F.O. - Stainless steel	1	1	<b>DPT290K/X/LED-EFO</b>
<b>DPT290FB</b>	Fixed bollard with basement H900 - Painted steel (with LED as optional)	1	1	<b>DPT290FB</b>
<b>DPT290FB/X</b>	Fixed bollard with basement H900 - Stainless steel (with LED as optional)	1	1	<b>DPT290FB/X</b>
<b>DPT290RM</b>	Fixed bollard with removable option H900 - Painted steel (with LED as optional)	1	1	<b>DPT290RM</b>
<b>DPT290RM/X</b>	Fixed bollard with removable option H900 - Stainless steel (with LED as optional)	1	1	<b>DPT290RM/X</b>

## ACCESSORIES

**AJDPT290K-R**  
foundation box  
for DPT290K with rebars

**AJDPT/BZ**  
Buzzer

**AJDPT/HR**  
Heating element  
+ thermostat  
+ transformer

**AJDPTK/NO**  
N.O. valve for  
auto-lowering

**AJDPT/AC**  
Additional connection line  
for DPT (multiple of 5m -  
max 80 m)

**AJDPT290/FB/BASE**  
Painted basement plate  
for DPT290FB

**AJDPT290/RM/CROWN**  
basement crown for  
AJDPT290/FB/BASE

**ASDPTK-001**  
Control unit for  
No. 1 DPTK

**ASDPTK-002**  
Control unit for  
No. 2 DPTK\*

**ASDPTK-EFO-001**  
Control unit for  
No. 1 DPTK with E.F.O.\*

! Please verify with sales department first

\* For installations with more than 2 bollards, please contact the sales department

## INSTALLATION LAY-OUT



**1 DPT290K**  
DPT290K bollard

**2 AJDPT290K-R**  
Foundation box

**3 ASDPTK-001**  
Control unit



**4 70710**  
Complete flashing lamp  
device DSL70710  
230 Vac



**5 AU02910**  
2 channels plug-in  
receiver board  
for control units



**6 AU03100**  
MAKO remote control  
433Mhz



**7 AU01940**  
Wall mounted key selector  
model DCS100



**8 AU02250**  
Pair of DCF180  
wall mounted photocells



**9 AU02160**  
RED LED light



**10 AU02170**  
GREEN LED light



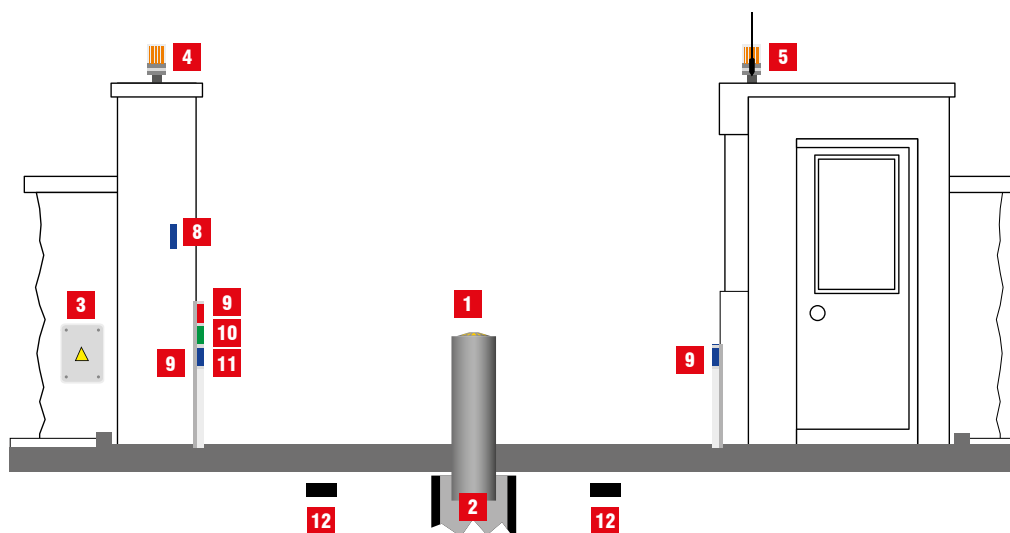
**11 AU01970**  
Plastic spacer cap



**12 AS05900**  
24 Vdc Metallic  
mass detector



**12 AS05910**  
230 Vac Metallic  
mass detector

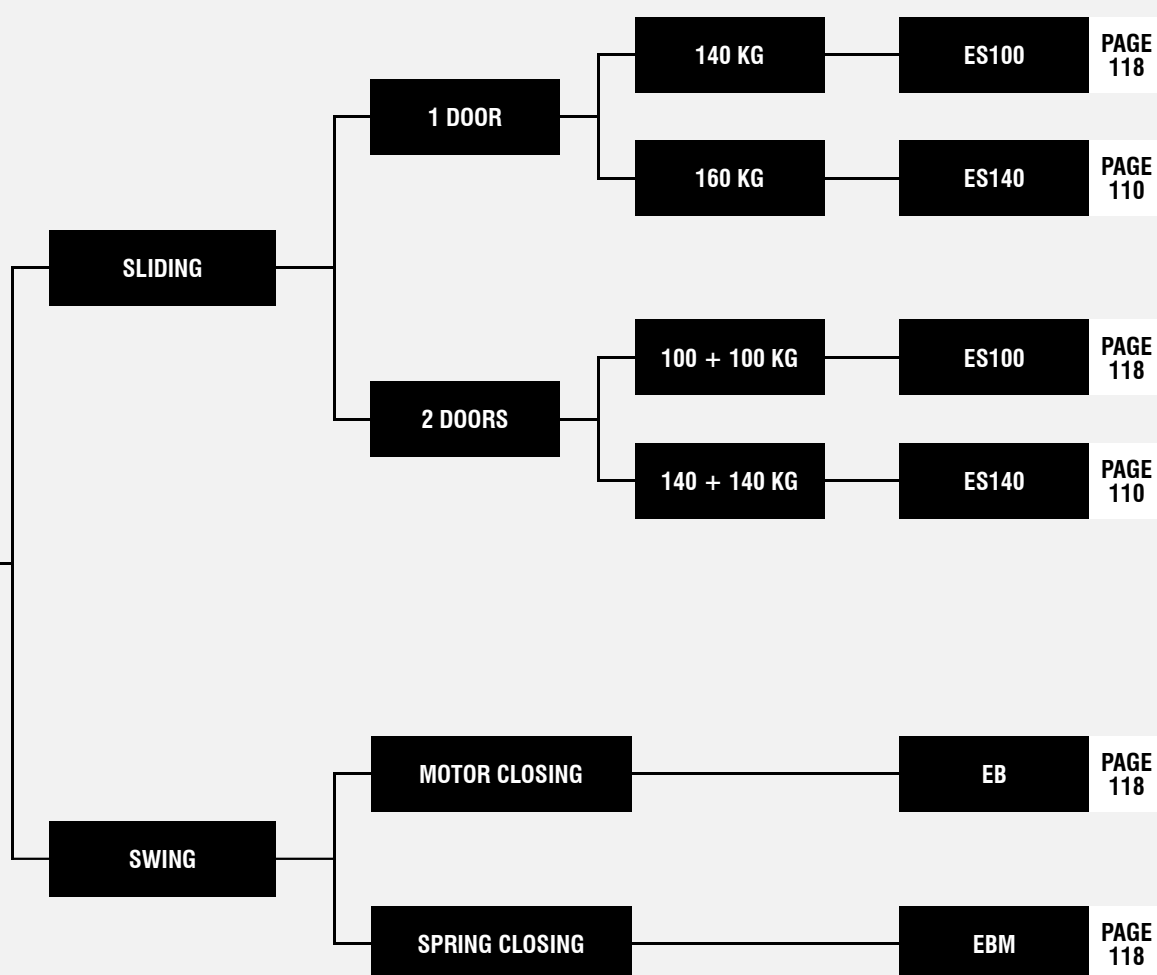




AUTOMATIC DOORS.

108

ELECTROMECHANICAL





## AUTOMATIC DOORS.

110

### ENTRA ES

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

ENTRA ES operators for sliding doors are suitable for any type of installation; even the most demanding. Standing out for their modularity, mechanical and electronic characteristics that make for a flexible, functional, compact and, most importantly, easy to install fully equipped automatic door opening system. Technologically the most advanced solution available on the market.

Available in two options: the ES100 model (140 Kg with one door or 100 + 100 kg with two doors), and the ES140 with a capacity of 160Kg with one door or 140 + 140 Kg with two doors), both compliant to EN 16005 standards.

Built within a rigid aluminum structure, with removable covers and a practical lock/unlock device to keep the cover open during maintenance and cleaning procedures.

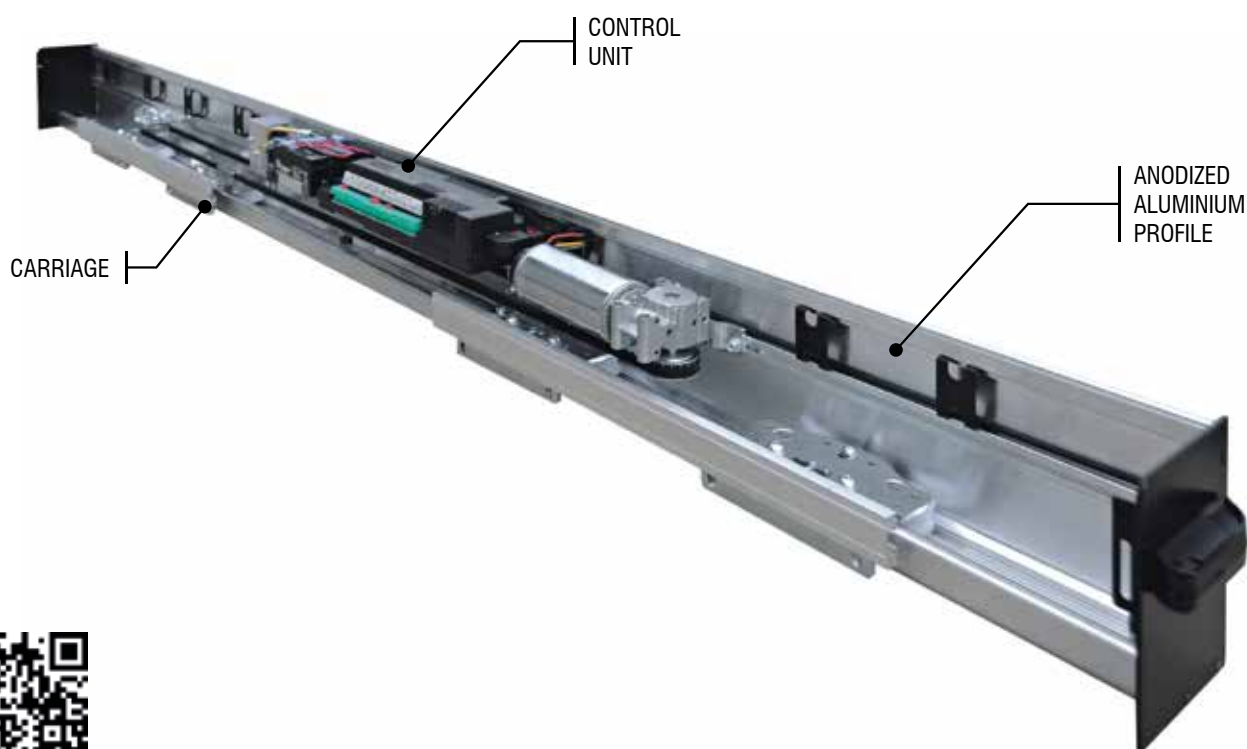
The trolley mechanism is made of steel with a self-lubricating double wheel, with a larger diameter and built-in height adjuster,

it makes the ENTRA ES a robust and noiseless automation solution. The ES100 has a 150W gearmotor and the ES140 a 180W, both coupled to high-resolution encoders.

The electronic control unit, with integrated switching power supply, guarantees greater energy savings, less weight, reduced dimensions and greater accelerations. Double microprocessor technology protected by a double self-extinguishing plastic shell and simplified programming thanks to the self-learning feature of the operating parameters.

Adjusting all parameters can be performed directly on the board via the display using specific selection buttons. It is also possible to connect logic selectors wirelessly.

ENTRA ES - really the most "creative" solution for your pedestrian entrance.



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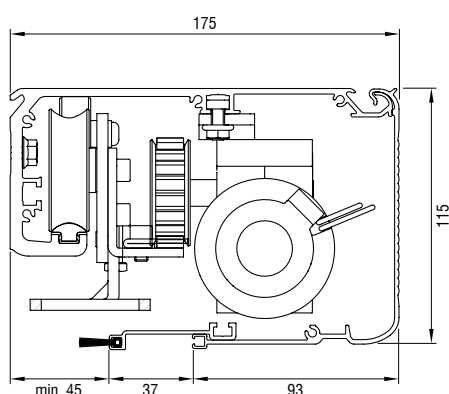
## TECHNICAL FEATURES

111

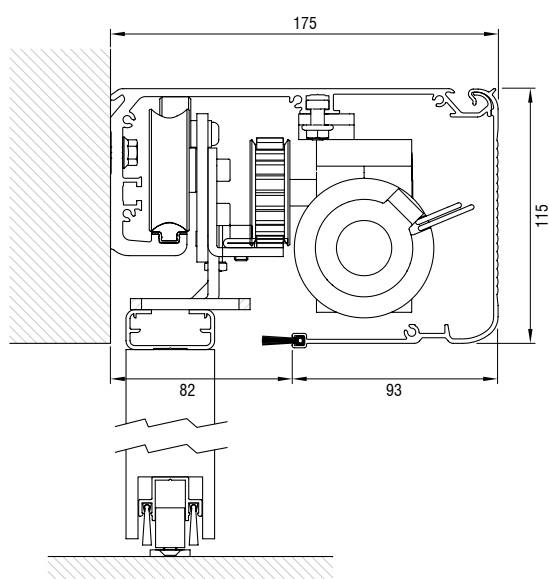
	ES100	ES140
Type of use	HEAVY DUTY	HEAVY DUTY
Number of wings	1 - 2	1 - 2
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	150 W	180 W
Protection degree	IP20	IP20
Accessories power supply	15V DC - 12 W Max	15V DC - 12 W Max
Back-up battery (optional)	24 V 1,2 Ah	24 V 1,2 Ah
Max opening speed	1 wing (70 cm/s) - 2 wings (140 cm/s)	1 wing (70 cm/s) - 2 wings (140 cm/s)
Max closing speed	70% of the opening speed	70% of the opening speed
Max wing payload	1 wing (140 Kg) - 2 wings (100 Kg + 100 Kg)	1 wing (160Kg) - 2 wings (140 Kg + 140 Kg)
Max clear opening	1 wing (700 ÷ 3000 mm) - 2 wings (800 ÷ 3000 mm)	1 wing (700 ÷ 3000 mm) - 2 wings (800 ÷ 3000 mm)
Operating temperature	-10°C ÷ +55°C	-10°C ÷ +55°C
Anti-crushing	YES	YES
Weight of the product	11 Kg/m	11 Kg/m
Conformity standard	EN 16005	EN 16005

## DIMENSIONS

OPERATOR SECTION



ENTRANCE WITH COMMERCIAL PROFILES AND ADAPTERS





# AUTOMATIC DOORS.

112

## ENTRA ES100 - 1 WING

230V

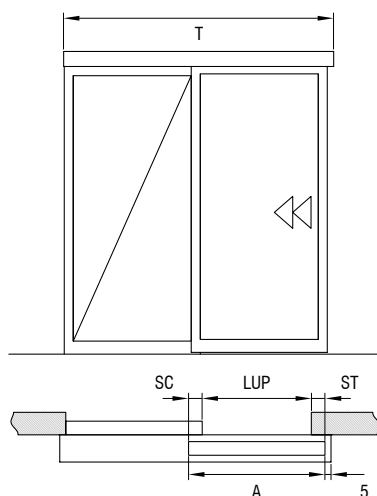
\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 140KG

T	LUP	Pre-assembled automation	Code		Code
1600	700	ES100 operator for single door - silver anodized	ES100PF20.20	ES anodized lid	EAMPF23.20
1800	800	ES100 operator for single door - silver anodized	ES100PF20.21	ES anodized lid	EAMPF23.21
2000	900	ES100 operator for single door - silver anodized	ES100PF20.22	ES anodized lid	EAMPF23.22
2200	1000	ES100 operator for single door - silver anodized	ES100PF20.23	ES anodized lid	EAMPF23.23
2400	1100	ES100 operator for single door - silver anodized	ES100PF20.24	ES anodized lid	EAMPF23.24
2600	1200	ES100 operator for single door - silver anodized	ES100PF20.25	ES anodized lid	EAMPF23.25
2800	1300	ES100 operator for single door - silver anodized	ES100PF20.26	ES anodized lid	EAMPF23.26
3000	1400	ES100 operator for single door - silver anodized	ES100PF20.27	ES anodized lid	EAMPF23.27
3200	1500	ES100 operator for single door - silver anodized	ES100PF20.28	ES anodized lid	EAMPF23.28
3400	1600	ES100 operator for single door - silver anodized	ES100PF20.29	ES anodized lid	EAMPF23.29
3600	1700	ES100 operator for single door - silver anodized	ES100PF20.30	ES anodized lid	EAMPF23.30
3800	1800	ES100 operator for single door - silver anodized	ES100PF20.31	ES anodized lid	EAMPF23.31
4000	1900	ES100 operator for single door - silver anodized	ES100PF20.32	ES anodized lid	EAMPF23.32
4200	2000	ES100 operator for single door - silver anodized	ES100PF20.33	ES anodized lid	EAMPF23.33
4400	2100	ES100 operator for single door - silver anodized	ES100PF20.34	ES anodized lid	EAMPF23.34
4800	2300	ES100 operator for single door - silver anodized	ES100PF20.35	ES anodized lid	EAMPF23.35
5200	2500	ES100 operator for single door - silver anodized	ES100PF20.36	ES anodized lid	EAMPF23.36
5600	2700	ES100 operator for single door - silver anodized	ES100PF20.37	ES anodized lid	EAMPF23.37
6200	3000	ES100 operator for single door - silver anodized	ES100PF20.38	ES anodized lid	EAMPF23.38

! T = Automation device width (mm) – LUP = Useful aperture (mm)

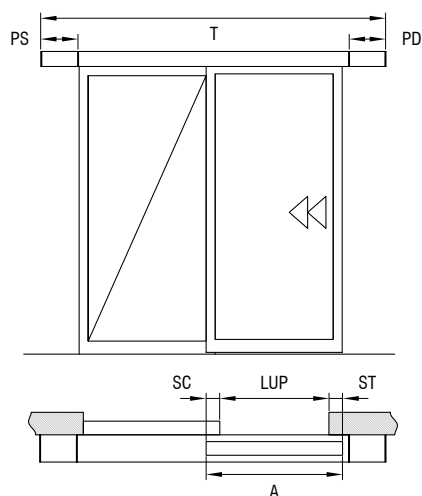
### 1 STANDARD DOOR OPENING SCHEMATICS



$$LUP \rightarrow T = 2LUP + 2ST + SC + 10^{(1)}$$

$$A \rightarrow T = 2A - SC + 10^{(1)}$$

### 1 DOOR OPENING SCHEMATICS WITH EMPTY CARTER



$$LUP \rightarrow T = 2LUP + 2ST + SC + PS + PD + 10^{(1)}$$

$$A \rightarrow T = 2A - SC + PS + PD + 10^{(1)}$$

## ENTRA ES100 - 2 WINGS

**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

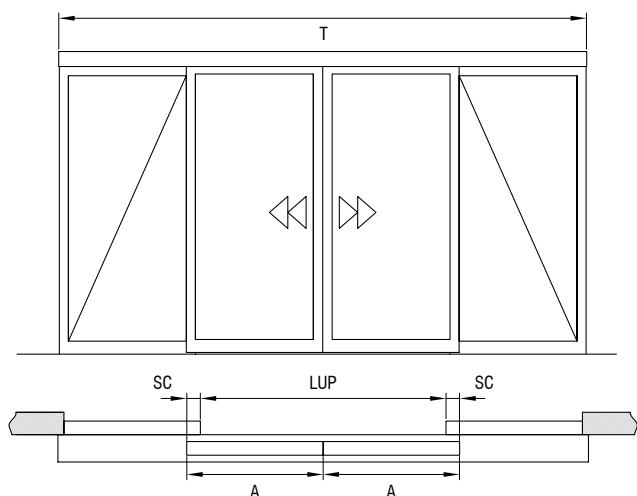
**UP TO 100+100KG**

**113**

T	LUP	Pre-assembled automation	Code		Code
1800	800	ES100 operator for dual door - silver anodized	ES100PF20.71	ES anodized lid	EAMPF23.21
2000	900	ES100 operator for dual door - silver anodized	ES100PF20.72	ES anodized lid	EAMPF23.22
2200	1000	ES100 operator for dual door - silver anodized	ES100PF20.73	ES anodized lid	EAMPF23.23
2400	1100	ES100 operator for dual door - silver anodized	ES100PF20.74	ES anodized lid	EAMPF23.24
2600	1200	ES100 operator for dual door - silver anodized	ES100PF20.75	ES anodized lid	EAMPF23.25
2800	1300	ES100 operator for dual door - silver anodized	ES100PF20.76	ES anodized lid	EAMPF23.26
3000	1400	ES100 operator for dual door - silver anodized	ES100PF20.77	ES anodized lid	EAMPF23.27
3200	1500	ES100 operator for dual door - silver anodized	ES100PF20.78	ES anodized lid	EAMPF23.28
3400	1600	ES100 operator for dual door - silver anodized	ES100PF20.79	ES anodized lid	EAMPF23.29
3600	1700	ES100 operator for dual door - silver anodized	ES100PF20.80	ES anodized lid	EAMPF23.30
3800	1800	ES100 operator for dual door - silver anodized	ES100PF20.81	ES anodized lid	EAMPF23.31
4000	1900	ES100 operator for dual door - silver anodized	ES100PF20.82	ES anodized lid	EAMPF23.32
4200	2000	ES100 operator for dual door - silver anodized	ES100PF20.83	ES anodized lid	EAMPF23.33
4400	2100	ES100 operator for dual door - silver anodized	ES100PF20.84	ES anodized lid	EAMPF23.34
4800	2300	ES100 operator for dual door - silver anodized	ES100PF20.85	ES anodized lid	EAMPF23.35
5200	2500	ES100 operator for dual door - silver anodized	ES100PF20.86	ES anodized lid	EAMPF23.36
5600	2700	ES100 operator for dual door - silver anodized	ES100PF20.87	ES anodized lid	EAMPF23.37
6200	3000	ES100 operator for dual door - silver anodized	ES100PF20.88	ES anodized lid	EAMPF23.38

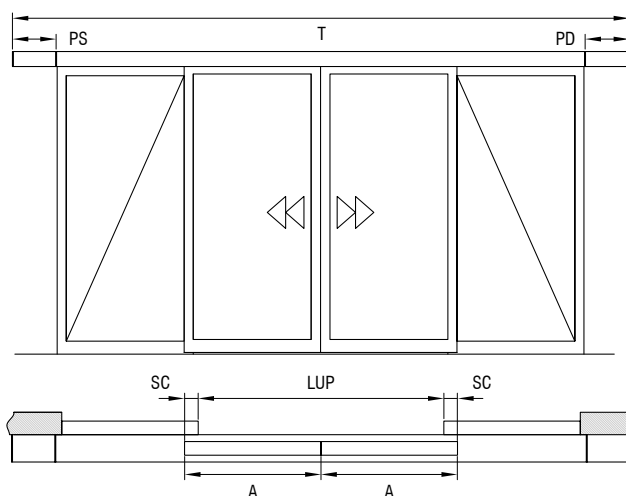
**!** T = Automation device width (mm) – LUP = Useful aperture (mm)

### 2 STANDARD DOORS OPENING SCHEMATICS



$$\begin{aligned} \text{LUP} &\rightarrow T = 2\text{LUP} + 2\text{SC} + 10^{(1)} \\ \text{A} &\rightarrow T = 4\text{A} - 2\text{SC} + 10^{(1)} \end{aligned}$$

### 2 DOORS OPENING SCHEMATICS WITH EMPTY CARTER



$$\begin{aligned} \text{LUP} &\rightarrow T = 2\text{LUP} + 2\text{SC} + \text{PS} + \text{PD} + 10^{(1)} \\ \text{A} &\rightarrow T = 4\text{A} - 2\text{SC} + \text{PS} + \text{PD} + 10^{(1)} \end{aligned}$$

The dimensions are in mm. The opening direction is always determined on the inspection side.  
(1) dimension that takes into account the thickness of the side heads of the automation.



# AUTOMATIC DOORS.

114

## ENTRA ES140 - 1 WING

230V

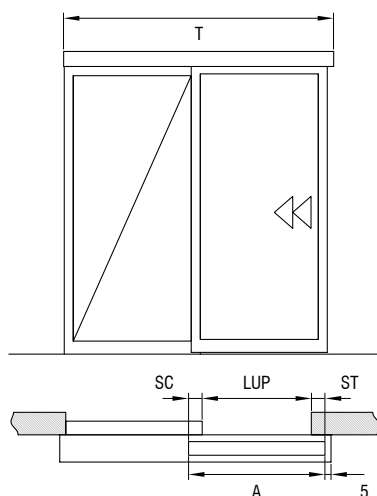
\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 160KG

T	LUP	Pre-assembled automation	Code		Code
1600	700	ES140 operator for single door - silver anodized	ES140PF21.20	ES anodized lid	EAMPF23.20
1800	800	ES140 operator for single door - silver anodized	ES140PF21.21	ES anodized lid	EAMPF23.21
2000	900	ES140 operator for single door - silver anodized	ES140PF21.22	ES anodized lid	EAMPF23.22
2200	1000	ES140 operator for single door - silver anodized	ES140PF21.23	ES anodized lid	EAMPF23.23
2400	1100	ES140 operator for single door - silver anodized	ES140PF21.24	ES anodized lid	EAMPF23.24
2600	1200	ES140 operator for single door - silver anodized	ES140PF21.25	ES anodized lid	EAMPF23.25
2800	1300	ES140 operator for single door - silver anodized	ES140PF21.26	ES anodized lid	EAMPF23.26
3000	1400	ES140 operator for single door - silver anodized	ES140PF21.27	ES anodized lid	EAMPF23.27
3200	1500	ES140 operator for single door - silver anodized	ES140PF21.28	ES anodized lid	EAMPF23.28
3400	1600	ES140 operator for single door - silver anodized	ES140PF21.29	ES anodized lid	EAMPF23.29
3600	1700	ES140 operator for single door - silver anodized	ES140PF21.30	ES anodized lid	EAMPF23.30
3800	1800	ES140 operator for single door - silver anodized	ES140PF21.31	ES anodized lid	EAMPF23.31
4000	1900	ES140 operator for single door - silver anodized	ES140PF21.32	ES anodized lid	EAMPF23.32
4200	2000	ES140 operator for single door - silver anodized	ES140PF21.33	ES anodized lid	EAMPF23.33
4400	2100	ES140 operator for single door - silver anodized	ES140PF21.34	ES anodized lid	EAMPF23.34
4800	2300	ES140 operator for single door - silver anodized	ES140PF21.35	ES anodized lid	EAMPF23.35
5200	2500	ES140 operator for single door - silver anodized	ES140PF21.36	ES anodized lid	EAMPF23.36
5600	2700	ES140 operator for single door - silver anodized	ES140PF21.37	ES anodized lid	EAMPF23.37
6200	3000	ES140 operator for single door - silver anodized	ES140PF21.38	ES anodized lid	EAMPF23.38

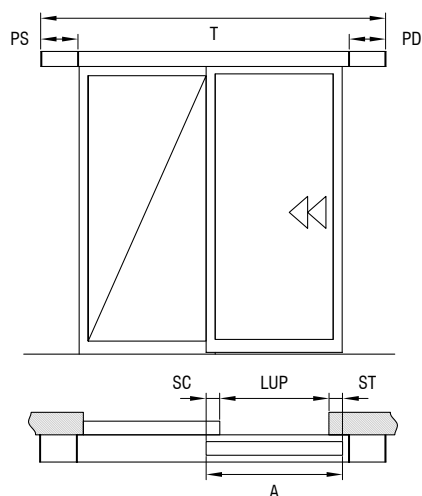
! T = Automation device width (mm) – LUP = Useful aperture (mm)

### 1 STANDARD DOOR OPENING SCHEMATICS



$$\begin{aligned} \text{LUP} \rightarrow T &= 2\text{LUP} + 2\text{ST} + \text{SC} + 10^{(1)} \\ A \rightarrow T &= 2A - \text{SC} + 10^{(1)} \end{aligned}$$

### 1 DOOR OPENING SCHEMATICS WITH EMPTY CARTER



$$\begin{aligned} \text{LUP} \rightarrow T &= 2\text{LUP} + 2\text{ST} + \text{SC} + \text{PS} + \text{PD} + 10^{(1)} \\ A \rightarrow T &= 2A - \text{SC} + \text{PS} + \text{PD} + 10^{(1)} \end{aligned}$$

## ENTRA ES140 - 2 WINGS

**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

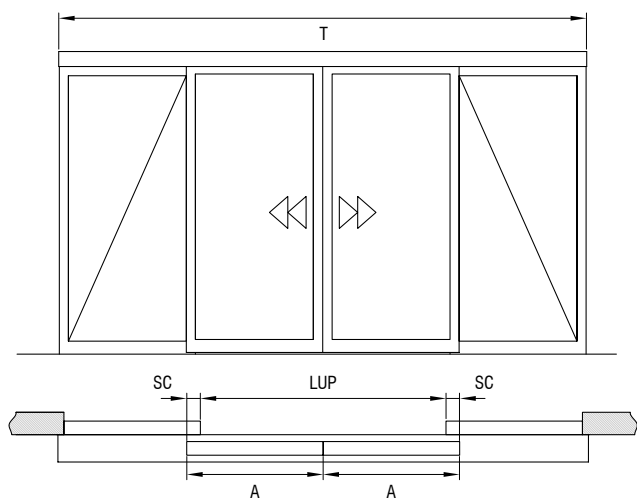
**UP TO 140+140KG**

**115**

T	LUP	Pre-assembled automation	Code		Code
1800	800	ES140 operator for dual door - silver anodized	ES140PF21.71	ES anodized lid	EAMPF23.21
2000	900	ES140 operator for dual door - silver anodized	ES140PF21.72	ES anodized lid	EAMPF23.22
2200	1000	ES140 operator for dual door - silver anodized	ES140PF21.73	ES anodized lid	EAMPF23.23
2400	1100	ES140 operator for dual door - silver anodized	ES140PF21.74	ES anodized lid	EAMPF23.24
2600	1200	ES140 operator for dual door - silver anodized	ES140PF21.75	ES anodized lid	EAMPF23.25
2800	1300	ES140 operator for dual door - silver anodized	ES140PF21.76	ES anodized lid	EAMPF23.26
3000	1400	ES140 operator for dual door - silver anodized	ES140PF21.77	ES anodized lid	EAMPF23.27
3200	1500	ES140 operator for dual door - silver anodized	ES140PF21.78	ES anodized lid	EAMPF23.28
3400	1600	ES140 operator for dual door - silver anodized	ES140PF21.79	ES anodized lid	EAMPF23.29
3600	1700	ES140 operator for dual door - silver anodized	ES140PF21.80	ES anodized lid	EAMPF23.30
3800	1800	ES140 operator for dual door - silver anodized	ES140PF21.81	ES anodized lid	EAMPF23.31
4000	1900	ES140 operator for dual door - silver anodized	ES140PF21.82	ES anodized lid	EAMPF23.32
4200	2000	ES140 operator for dual door - silver anodized	ES140PF21.83	ES anodized lid	EAMPF23.33
4400	2100	ES140 operator for dual door - silver anodized	ES140PF21.84	ES anodized lid	EAMPF23.34
4800	2300	ES140 operator for dual door - silver anodized	ES140PF21.85	ES anodized lid	EAMPF23.35
5200	2500	ES140 operator for dual door - silver anodized	ES140PF21.86	ES anodized lid	EAMPF23.36
5600	2700	ES140 operator for dual door - silver anodized	ES140PF21.87	ES anodized lid	EAMPF23.37
6200	3000	ES140 operator for dual door - silver anodized	ES140PF21.88	ES anodized lid	EAMPF23.38

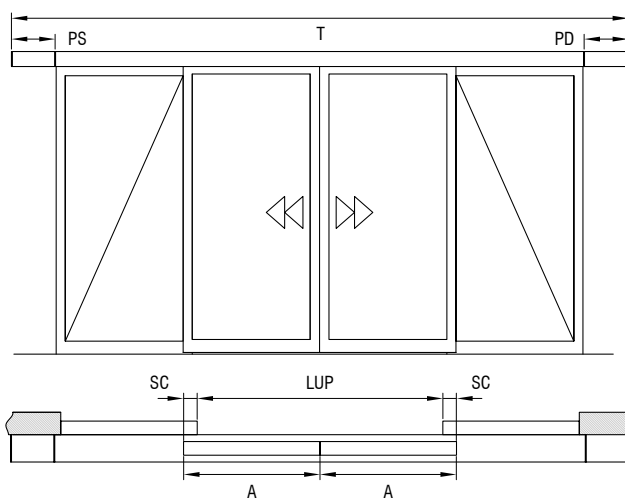
**!** T = Automation device width (mm) – LUP = Useful aperture (mm)

### 2 STANDARD DOORS OPENING SCHEMATICS



$$\begin{aligned} \text{LUP} &\rightarrow T = 2\text{LUP} + 2\text{SC} + 10^{(1)} \\ \text{A} &\rightarrow T = 4\text{A} - 2\text{SC} + 10^{(1)} \end{aligned}$$

### 2 DOORS OPENING SCHEMATICS WITH EMPTY CARTER



$$\begin{aligned} \text{LUP} &\rightarrow T = 2\text{LUP} + 2\text{SC} + \text{PS} + \text{PD} + 10^{(1)} \\ \text{A} &\rightarrow T = 4\text{A} - 2\text{SC} + \text{PS} + \text{PD} + 10^{(1)} \end{aligned}$$

The dimensions are in mm. The opening direction is always determined on the inspection side.  
(1) dimension that takes into account the thickness of the side heads of the automation.



# AUTOMATIC DOORS.

116

ENTRA ES

## ES ACCESSORIES



**EAPF25.65**  
Backup battery kit  
with recharger  
and control card.



**EAPF25.61**  
Fail Secure lock with  
single manual release



**EAPF25.63**  
Fail safe lock with  
single manual release



**EAPF25.71**  
Fail Secure lock with  
dual manual release



**EAPF25.72**  
Fail safe lock with  
dual manual release



**EAPF25.66**  
Basic logic selector



**EAPF25.67**  
Basic logics selector  
with key lock.



**EAPF25.60**  
Cover screws kit -  
for closing from below



**EAPF25.86**  
Single beam  
photocells



**EAPF01.73**  
Built-in box for  
logic selectors



**EAPF26.67**  
Elastic system kit  
(French market)  
on assembled  
version automatism.



**EAPF11.21 (EAGLE 1)**  
One way microwave sensor  
(120 x 50 x H80 mm)



**EAPF11.62 (MICROHEAD 1)**  
One way microwave sensor  
(80 x 60 x H55 mm)



**EAPF11.70 (VIO ST)**  
Active infrared sensor  
for side safety EN16005



**EAPF11.63 (VIO DT2)**  
Dual direction monitored  
sensor with dual technology  
EN16005



**EAPF11.64 (IXIO DT1)**  
Dual technology monitored  
sensor EN16005 unidirectional



**EAPF11.67 (IXIO DT3)**  
Dual technologies sensor active  
infrared and microwave EN16005  
unidirectional. For emergency doors.  
Performance level "D".



**EAPF11.81 (IXIO ST)**  
EN16005 monitored side  
safety sensor with display



**EAPF03.20N**  
Sliding door guide,  
silver anodized  
L= 2,5 m



**EAPF03.03N**  
Automation adapter  
L= 5,1m



**EAPF03.40**  
Hexagonal insert  
profile / trolley  
(need 4 pcs each door)



**EAPF01.47**  
14 mm brush  
L = 2,5 m



**EAPF03.70**  
Floor guide with low-friction insert.  
For EAPF03.20 profiles.



**EAPF03.78**  
Floor guide with low-friction insert. For telescopic wings with EAPF03.20 profiles



**EAPF12.01**  
Floor guide with bearing of 25 mm



**EAPF12.04**  
Floor guide with 25 mm bearing for fast telescopic wing



**EAPF12.02**  
"U" shaped profile  
L=2,2m to be used with floor guides EAPF12.01 and EAPF12.04



**EAPF12.03**  
"U" shaped profile  
L=4,5m to be used with floor guides EAPF12.01 and EAPF12.04



**EAPF12.15N**  
Adapting profile for commercial wings  
L=1,6m - silver anodized

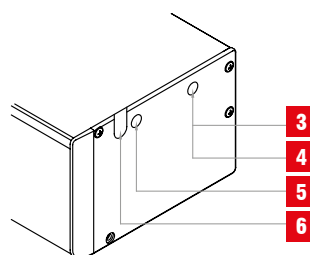
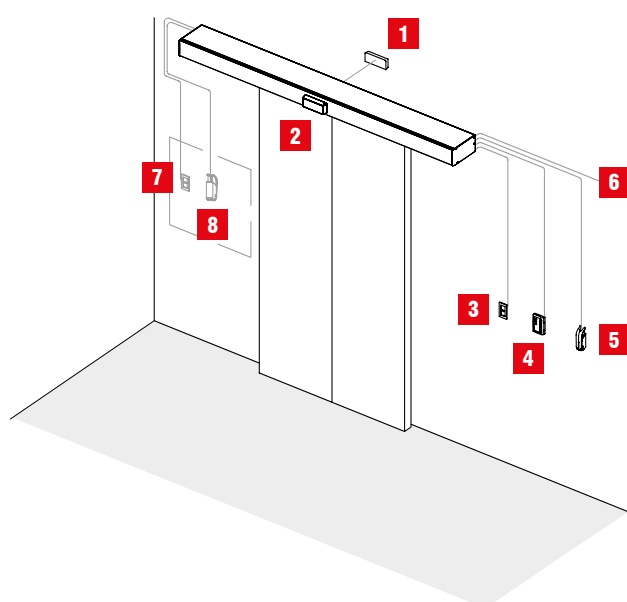


**EAPF12.16N**  
Adapting profile for commercial wings  
L=3,2m - silver anodized



**EAPF12.17**  
Plate for commercial profile adapters EAPF12.15 and EAPF12.16. Pack of 4 pcs

## WIRINGS LAY-OUT



- 1 External radar** Cables supplied
  - 2 Internal radar** cables supplied
  - 3 Button** 2 x 0.25 mm<sup>2</sup> cables
  - 4 Selector** 4 x 0.25 mm<sup>2</sup> shielded cables
  - 5 Release handle** cables supplied (max length 4.5 m)
  - 6 Power supply** 3 x 1.5 mm<sup>2</sup> cables
  - 7 Key contact** 2 x 0.25 mm<sup>2</sup> cables
  - 8 External release handle (\*)** Cables supplied (max length 4.5 m)
- (\*) To be placed in an armored box (not supplied)





## AUTOMATIC DOORS.

118

### ENTRA EB

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 240KG

The swing door operator is designed to simplify the installation and programming procedure.

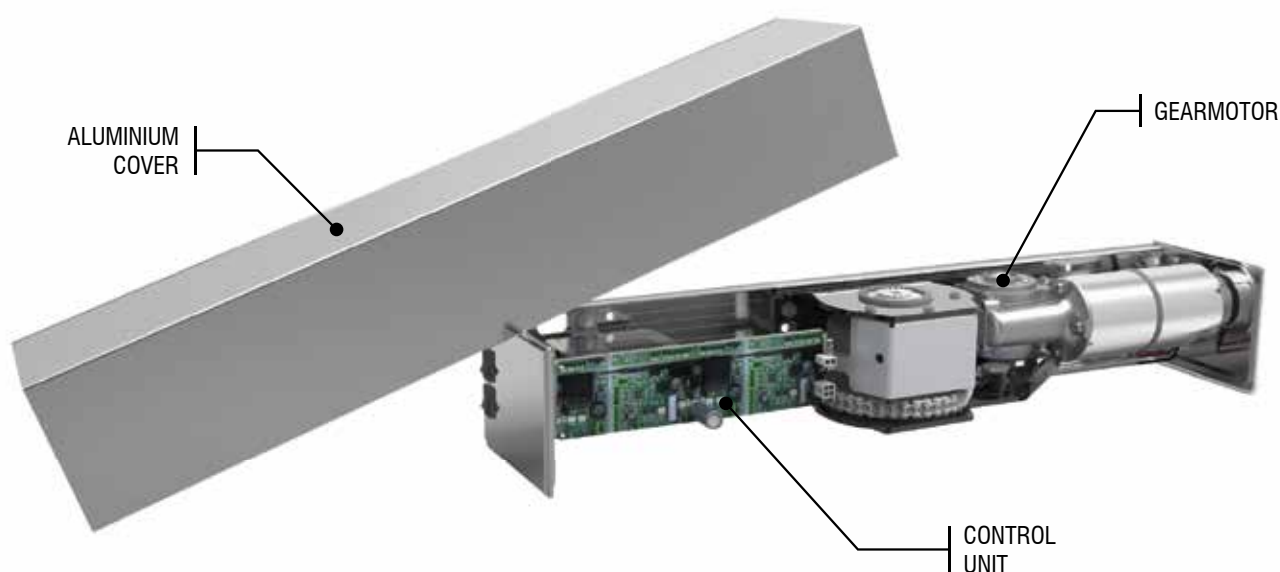
The ENTRA EB is equipped with innovative mechanical solutions that guarantee intensive use and a long operating life.

At the heart of the operator is assembled a pioneering transmission, consisting of an excellent quality gear-motor which has been tried and tested with supreme results in other applications, combined with a single reduction stage that is made with a sealed self-lubricating roller chain.

This solution provides long life and a maintenance free product. A mechanical energy accumulator made with a fully tested and state-of-the-art belt spring completes the system.

Special precautions taken during the design phase of the electronic control unit and the switching power supply allow reduced energy consumption when night mode is activated.

Among the features of ENTRA EB: Many different types of electric locks with different power values can be managed, The high-strength harmonic steel spring with a working cycle of over one million complete openings and closings. The easy set-up and direct programming onto the embedded control unit, The "PUSH & GO" and Interlock function and the standard on-board switches, (ON/OFF) and 3-logic selector.



DOWNLOAD  
MORE CONTENT

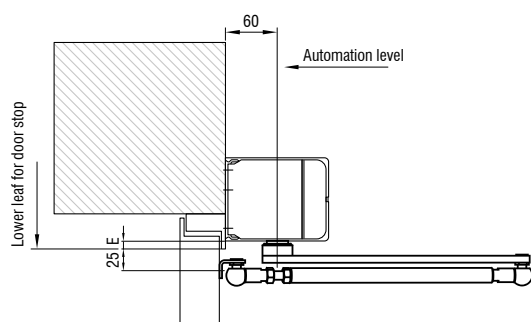
## TECHNICAL FEATURES

119

	EB	EBM
Type of use	HEAVY DUTY	HEAVY DUTY
Power supply	230 V Ac - 50/60 Hz	230 V Ac - 50/60 Hz
Absorbed power	85 W	85 W
Accessories power supply	12/24V DC	12/24V DC
Operating temperature	-10°C + 55° C	-10°C + 55° C
Protection degree	IP40	IP40
Hight (mm)	95	95
Width (mm)	587	587
Depth (mm)	120	120
Max door width (mm)	1400	1400
Max opening angle	110°	110°
Spring pre-load	-	EN3—EN6
Low energy feature	YES	YES
Push & go	ADJUSTABLE	ADJUSTABLE
Wind retention	YES	YES
Programmable speed	YES	YES
Weight of the operator	8,5 Kg	9 Kg
Conformity standard	EN16005	EN16005

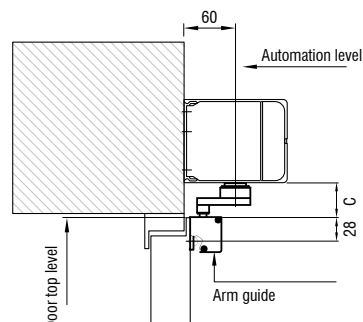
## DIMENSIONS

PUSHING ARM



Type of extension	E
L = 30 mm (Supplied and already welded)	12 mm
L = 50 mm	32 mm
L = 70 mm	52 mm
L = 90 mm	72 mm

PULLING ARM



Type of extension	C
L = 30 mm (Supplied and already welded)	42 mm
L = 50 mm	62 mm
L = 70 mm	82 mm
L = 90 mm	102 mm



## AUTOMATIC DOORS.



120

ENTRA EB

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

UP TO 240KG

				Code
ENTRA EB	EB-M operator with spring for swing doors	1	40	EBPF31.00
ENTRA EB	EB operator for swing doors	1	40	EBPF31.01

### ACCESSORIES



**EAPF31.31**  
Push arm for EB



**EAPF31.30**  
Pull arm for EB



**EAPF31.33**  
Arm extension  
of 50 mm



**EAPF01.70**  
Basic logic selector



**EAPF11.21 (EAGLE 1)**  
One way  
microwave sensor  
(120 x 50 x H80 mm)



**EAPF11.62 (MICROHEAD 1)**  
One way  
microwave sensor  
(L80 x L60 x H55 mm)



**EAPF11.56 (4 SAFE)**  
350 mm long active infrared  
sensor for swinging wing  
movement safety



**EAPF11.71 (4 SAFE)**  
900 mm long active infrared  
sensor for swinging wing  
movement safety



**EAPF11.88**  
FLATSCAN -  
pair of side sensors  
(black)

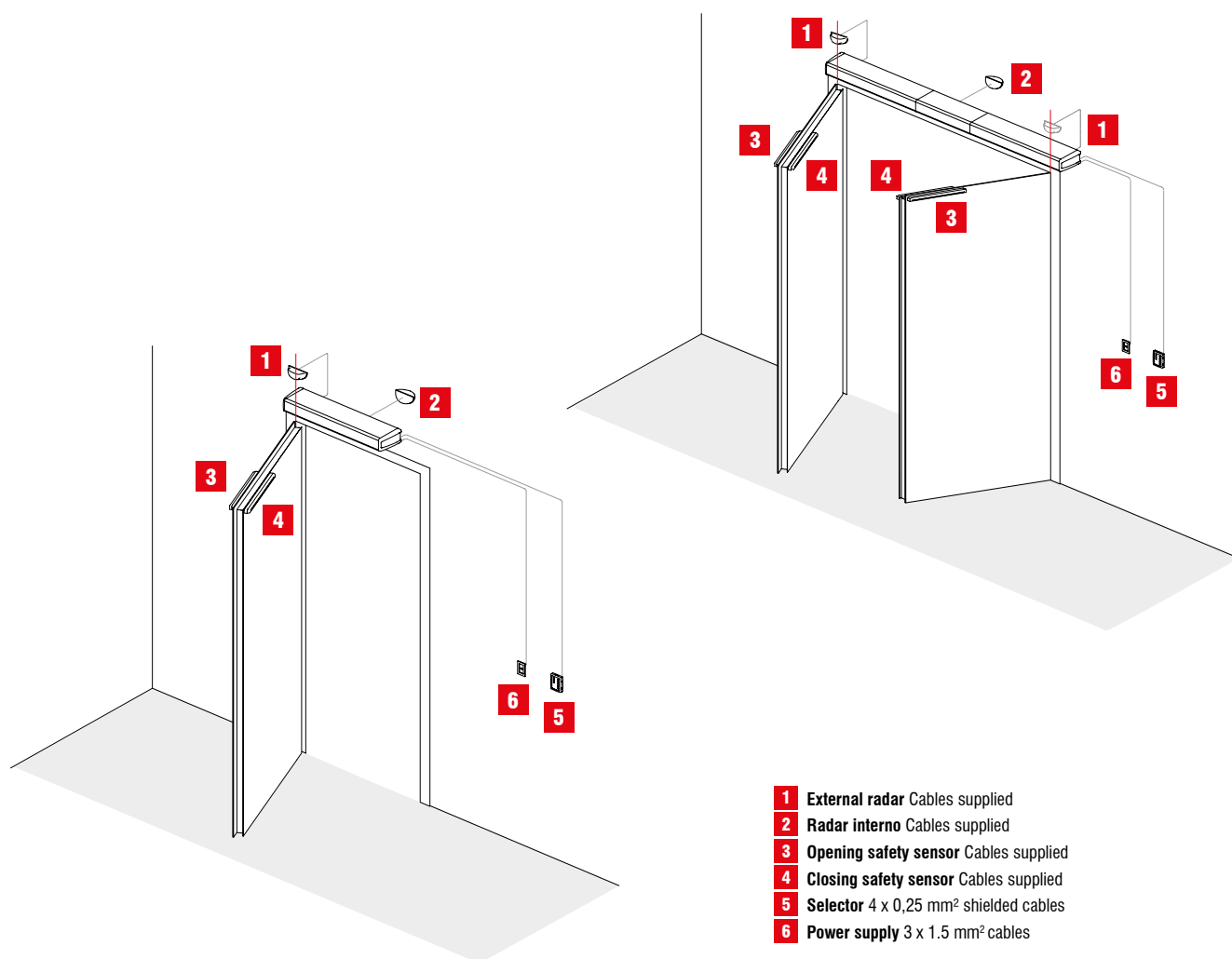


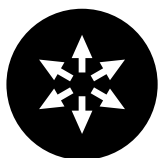
**EAPF11.94**  
FLATSCAN DX -  
single right hand sensor  
(black)



**EAPF11.95**  
FLATSCAN SX -  
single left hand sensor  
(black)

## WIRINGS LAY-OUT





CONTROL UNITS.

122

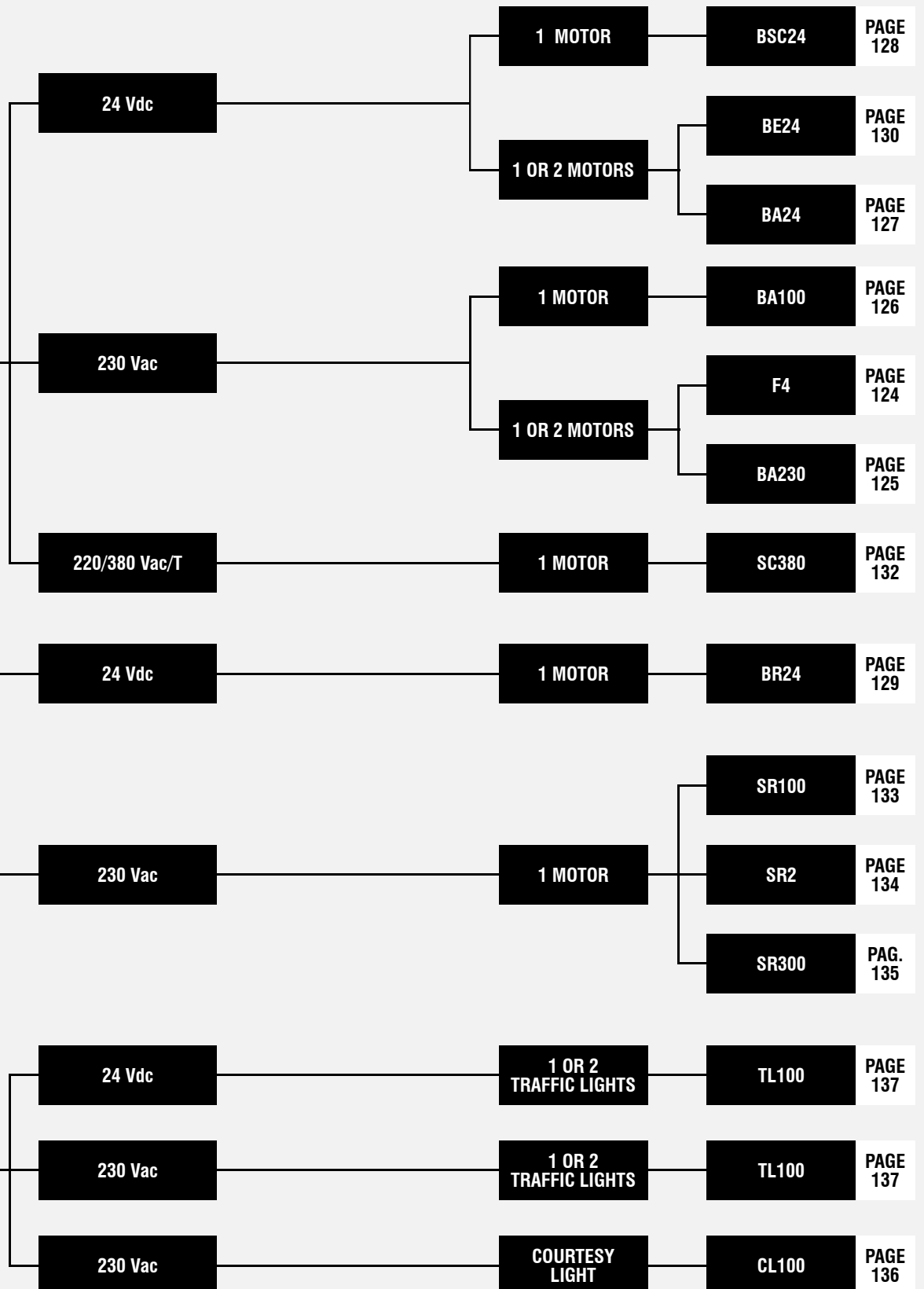


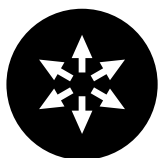
GATES

BARRIERS

ROLLING SHUTTERS

CONTROL





## CONTROL UNITS.

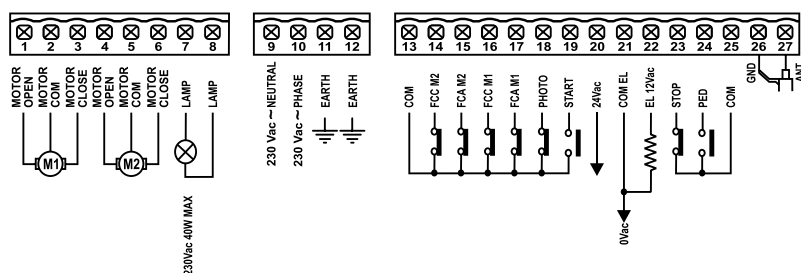
124

F4

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Engines	1 or 2 on 230 Vac (max. 700W)
Power supply	220-230 Vac
Swing gates	TOP - FLOOR - ART - GROUND
Sliding gates	MINNOW - PASS
Overhead or sectional doors	AUTOBOX
Barriers	YES
Bollards	YES
Rolling shutters	MPS
Curtains and shutters	RUNNER
Pedestrian	YES
Force adjustment	YES
Slowdown	YES
Anti-crushing	NO
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Limit switches (4)
Type of programming	Analog - time learning
Electric-lock	YES
Embedded radio receiver	NO
Protection degree	IP 55



F4

Control unit with enclosure

Code

AS06320



**BA230**

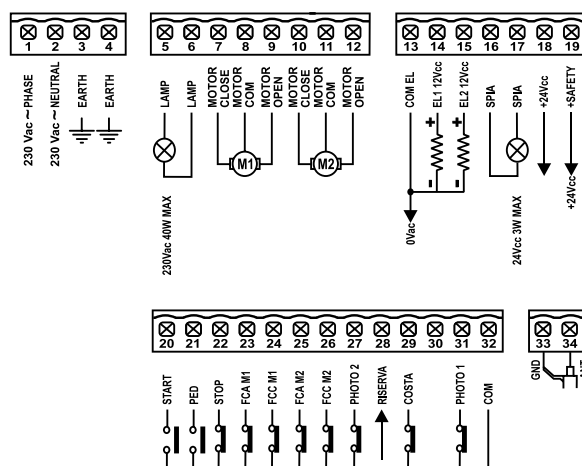
**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**125**

Engines	1 or 2 on 230 Vac (max. 700W)
Power supply	220-230 Vac
Swing gates	TOP - FLOOR - ART - GROUND
Sliding gates	MINNOW - PASS
Overhead or sectional doors	AUTOBOX
Barriers	YES
Bollards	YES
Rolling shutters	MPS
Curtains and shutters	RUNNER
Pedestrian	YES
Force adjustment	YES
Slowdown	YES
Anti-crushing	NO
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Limit switches (4)
Type of programming	Digital
Electric-lock	YES
Embedded radio receiver	NO
Protection degree	IP 55

**EN 12453 FRIENDLY**

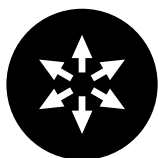


**BA 230**

Control unit with enclosure

Code

**AS05581**



## CONTROL UNITS.

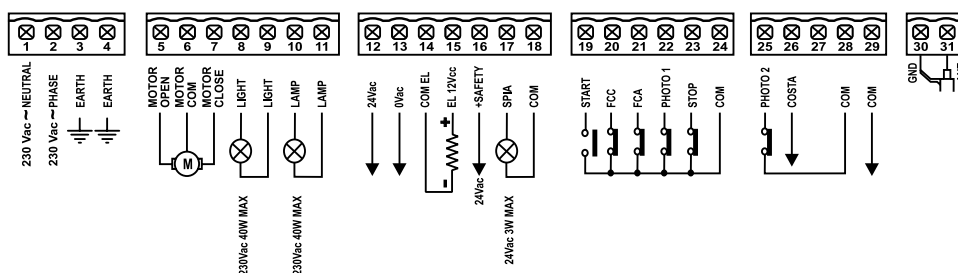
126

BA100

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Engines	1 on 230 Vac (max. 700W) 2 engines in parallel only
Power supply	220-230 VAC
Swing gates	TOP - FLOOR - ART - GROUND
Sliding gates	MINNOW - PASS
Overhead or sectional doors	AUTOBOX
Barriers	YES
Bollards	YES
Rolling shutters	MPS
Curtains and shutters	RUNNER
Pedestrian	NO
Force adjustment	YES
Slowdown	YES
Anti-crushing	NO
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Limit switches (2)
Type of programming	Analog
Electric-lock	YES
Embedded radio receiver	NO
Protection degree	IP 55



BA 100

Control unit with enclosure

Code

AS05060

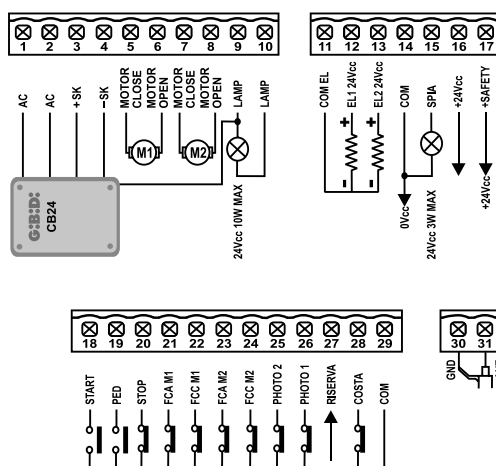
**BA24**

**24V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**127**

Engines	1 or 2 on 24 Vdc (max. 150W)
Power supply	220-230 Vac
Swing gates	FLOOR - GROUND
Sliding gates	YES
Overhead or sectional doors	AUTOBOX
Barriers	YES
Bollards	YES
Rolling shutters	NO
Curtains and shutters	NO
Pedestrian	YES
Force adjustment	YES
Slowdown	YES
Anti-crushing	NO
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Limit switches (4)
Type of programming	Digital
Electric-lock	YES
Embedded radio receiver	NO
Protection degree	IP 55



#### ACCESSORIES



**AJ01482**  
Battery kit for BA24

**BA 24**

Control unit with enclosure

Code  
**AS06300**



## CONTROL UNITS.

128

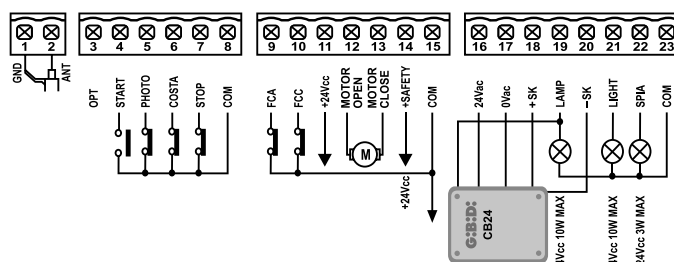
**BSC24**

**24V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Engines	1 on 24 Vdc (max. 100W) 2 engines in parallel only
Power supply	220-230 VAC
Swing gates	NO
Sliding gates	NO
Overhead or sectional doors	AUTOBOX
Barriers	NO
Bollards	NO
Rolling shutters	NO
Curtains and shutters	NO
Pedestrian	NO
Force adjustment	YES
Slowdown	YES
Anti-crushing	YES
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Limit switches (2)
Type of programming	Analog
Electric-lock	NO
Embedded radio receiver	NO
Protection degree	IP 55

### EN 12453 FRIENDLY



### ACCESSORIES



**AJ01482**  
Battery kit for BSC24

**BSC 24**

Control unit with enclosure

Code  
**AS05030**

**BR24**

**24V**

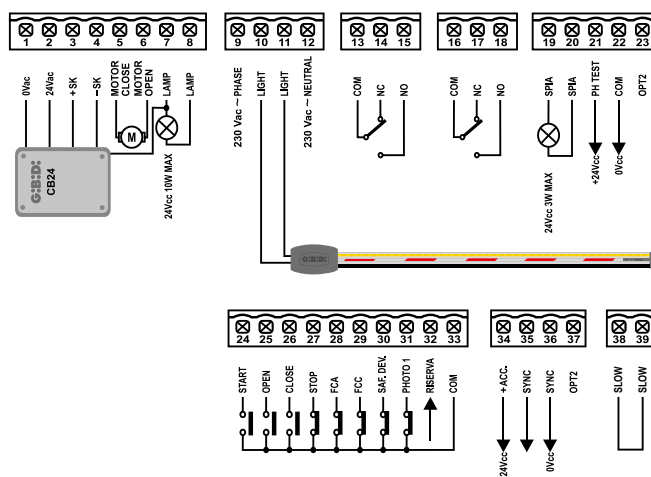
\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**129**

Engines	1 on 24 Vdc (max. 150W)
Power supply	220-230 Vac
Swing gates	NO
Sliding gates	NO
Overhead or sectional doors	NO
Barriers	BARR500
Bollards	NO
Rolling shutters	NO
Curtains and shutters	NO
Pedestrian	NO
Force adjustment	YES
Slowdown	YES
Anti-crushing	YES
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Limit switches (2)
Type of programming	Digital
Electric-lock	NO
Embedded radio receiver	NO
Protection degree	IP 55



#### EN 12453 FRIENDLY



#### ACCESSORIES

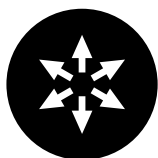


**AJ01482**  
Battery kit for BR 24

**BR 24**

Control unit with enclosure

Code  
**AS06200**



## CONTROL UNITS.

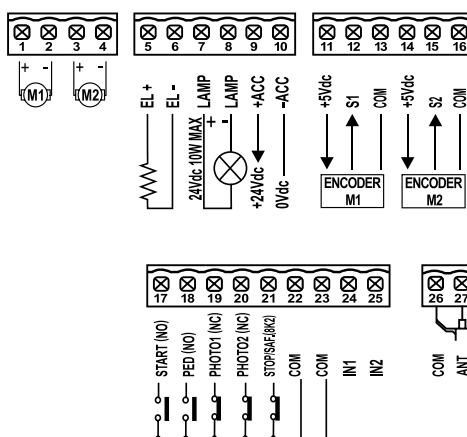
130

BE24

24V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Engines	1 or 2 on 24 Vdc
Power supply	220-230 Vac
Swing gates	KUDA - AGO - SERRA - SNAPPER
Sliding gates	NO
Overhead or sectional doors	NO
Barriers	NO
Bollards	NO
Rolling shutters	NO
Curtains and shutters	NO
Pedestrian	YES
Force adjustment	YES
Slowdown	YES
Anti-crushing	NO
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Encoder or time logic
Type of programming	Analog with lesf-learning
Electric-lock	YES
Embedded radio receiver	YES
Protection degree	IP 55



### ACCESSORIES



**AJ01483**  
Battery kit for BE24

BE 24

Control unit with enclosure

Code  
AS06250

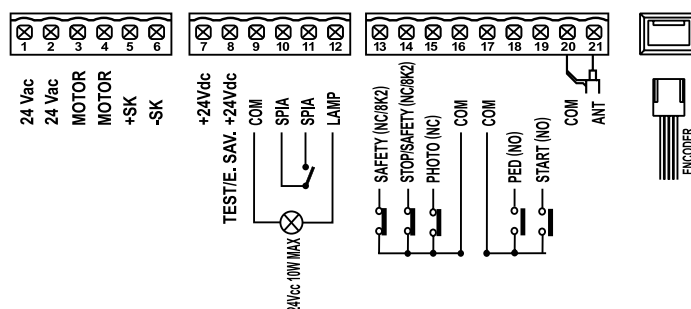
**SE24**

**24V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**131**

Engines	1 on 24 Vdc
Power supply	220-230 VAC
Swing gates	NO
Sliding gates	SL544
Overhead or sectional doors	NO
Barriers	NO
Bollards	NO
Rolling shutters	NO
Curtains and shutters	NO
Pedestrian	YES
Force adjustment	YES
Slowdown	YES
Anti-crushing	YES
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Encoder
Type of programming	self-learning with graphical display
Electric-lock	NO
Embedded radio receiver	YES
Protection degree	-



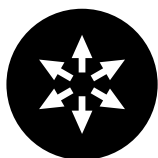
**SE 24**

Control unit with enclosure

Code

**AS05860**





## CONTROL UNITS.

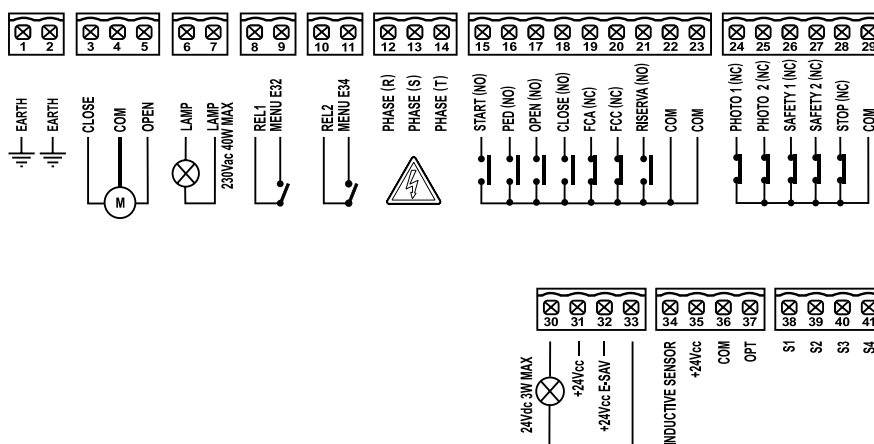
132

SC380

230-380V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Engines	1 a 230 Vac or 230/380 Vac 3 phases
Power supply	220-230 VAC
Swing gates	TOP-ART-FLOOR-GROUND
Sliding gates	PASS
Overhead or sectional doors	YES
Barriers	NO
Bollards	NO
Rolling shutters	NO
Curtains and shutters	NO
Pedestrian	YES
Force adjustment	NO
Slowdown	NO
Anti-crushing	YES
Safety device input	YES
Photocell input	YES
Limit switches-encoder	YES
Type of programming	Digital
Electric-lock	YES
Embedded radio receiver	NO
Protection degree	IP 55



SC 380

Control unit with enclosure

Code

AS05800

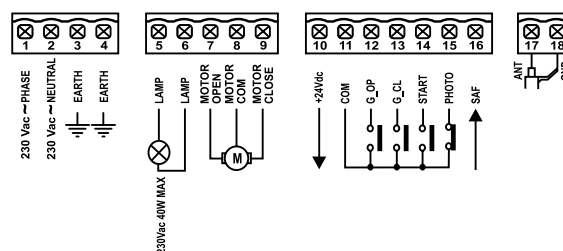
## SR100

**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**133**

Engines	1 on 230 Vac (max. 700W)
Power supply	220-230 VAC
Swing gates	NO
Sliding gates	NO
Overhead or sectional doors	NO
Barriers	NO
Bollards	NO
Rolling shutters	MPS
Curtains and shutters	NO
Pedestrian	NO
Force adjustment	NO
Slowdown	NO
Anti-crushing	NO
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Available on EDGE input
Type of programming	Analog
Electric-lock	NO
Embedded radio receiver	YES
Protection degree	IP 55



**SR 100**

Control unit with enclosure

Code

**AS05730**



## CONTROL UNITS.

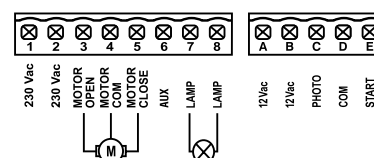
134

SR2

230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Engines	1 on 230 Vac (max. 700W)
Power supply	220-230 VAC
Swing gates	NO
Sliding gates	NO
Overhead or sectional doors	NO
Barriers	NO
Bollards	NO
Rolling shutters	MPS
Curtains and shutters	NO
Pedestrian	NO
Force adjustment	NO
Slowdown	NO
Anti-crushing	NO
Safety device input	NO
Photocell input	YES
Limit switches-encoder	YES
Type of programming	Analog with lea-f-learning
Electric-lock	NO
Embedded radio receiver	YES
Protection degree	IP 55



SR 2

Control unit with enclosure

Code

AS07000

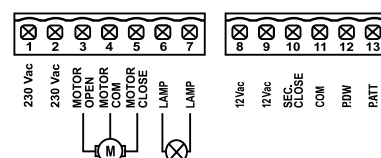
**SR300**

**230V**

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

**135**

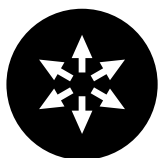
Engines	1 on 230 Vac (max. 700W)
Power supply	220-230 VAC
Swing gates	NO
Sliding gates	NO
Overhead or sectional doors	NO
Barriers	NO
Bollards	NO
Rolling shutters	MPS
Curtains and shutters	RUNNER
Pedestrian	NO
Force adjustment	NO
Slowdown	NO
Anti-crushing	NO
Safety device input	NO
Photocell input	YES
Limit switches-encoder	NO
Type of programming	Analog with self-learning
Electric-lock	NO
Embedded radio receiver	YES
Protection degree	IP 55



**SR300**

Control unit with enclosure

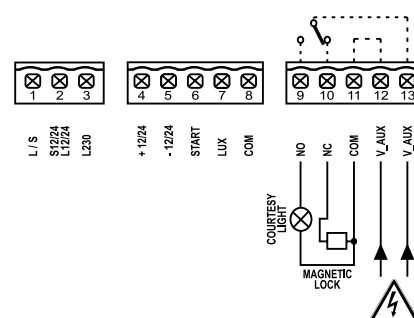
Code  
**EWSCE230**



## CONTROL UNITS.

### 136 CL100

Engines	Courtesy light or mag-lock
Power supply	12/24 V AC/DC
Swing gates	YES
Sliding gates	YES
Overhead or sectional doors	NO
Barriers	YES
Bollards	YES
Rolling shutters	YES
Curtains and shutters	YES
Pedestrian	NO
Force adjustment	NO
Slowdown	NO
Anti-crushing	NO
Safety device input	NO
Photocell input	NO
Limit switches-encoder	NO
Type of programming	Analog
Electric-lock	NO
Embedded radio receiver	NO
Protection degree	-



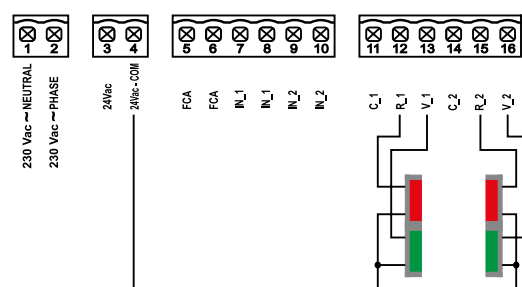
**CL 100**

Courtesy light card (enclosure not included)

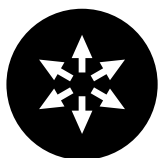
Code

**AS05200**

Engines	Traffic light
Power supply	220-230 VAC
Swing gates	YES
Sliding gates	YES
Overhead or sectional doors	NO
Barriers	YES
Bollards	YES
Rolling shutters	YES
Curtains and shutters	YES
Pedestrian	NO
Force adjustment	NO
Slowdown	NO
Anti-crushing	NO
Safety device input	NO
Photocell input	YES (to trigger a command)
Limit switches-encoder	NO
Type of programming	Analog
Electric-lock	NO
Embedded radio receiver	NO
Protection degree	IP 55



Example of wiring connection with DCL series LED's lights, see page. 157



## CONTROL UNITS.

138

SC230E

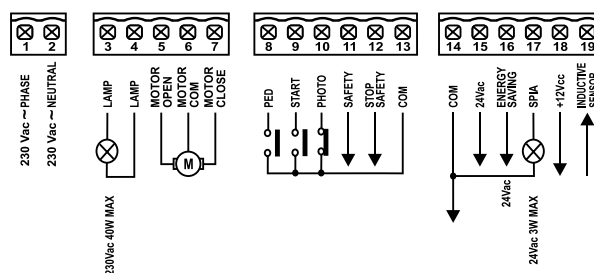
230V

\*PRODUCT ALSO AVAILABLE  
AT 115 VAC

Engines	1 on 230 Vac
Power supply	220-230 VAC
Swing gates	NO
Sliding gates	PASS
Overhead or sectional doors	NO
Barriers	NO
Bollards	NO
Rolling shutters	NO
Curtains and shutters	NO
Pedestrian	YES
Force adjustment	YES
Slowdown	YES
Anti-crushing	YES
Safety device input	YES
Photocell input	YES
Limit switches-encoder	Encoder
Type of programming	Analog with lesf-learning
Electric-lock	NO
Embedded radio receiver	YES
Protection degree	-



### FOR 230 VAC SL AND PASS ONLY



Code

SC 230E Spare control unit with enclosure for SL400 - 800 and PASS600 - 800

A90982P

SC 230E Spare control unit with enclosure for PASS1200 - 1800

A90983P



	<b>CB24</b>	<b>CB25</b>
Engines	<b>24 Vdc battery charger (max 6,5 Ah)</b>	<b>24 Vdc battery charger (max 6,5 Ah)</b>
Power supply	<b>24 Vac</b>	<b>24 Vac</b>
Swing gates	<b>NO</b>	<b>YES</b>
Sliding gates	<b>SL on 24 Vdc</b>	<b>YES</b>
Overhead or sectional doors	<b>NO</b>	<b>YES</b>
Barriers	<b>YES</b>	<b>YES</b>
Bollards	<b>YES</b>	<b>YES</b>
Rolling shutters	<b>YES</b>	<b>YES</b>
Curtains and shutters	<b>YES</b>	<b>YES</b>
Pedestrian	<b>NO</b>	<b>NO</b>
Force adjustment	<b>NO</b>	<b>NO</b>
Slowdown	<b>NO</b>	<b>NO</b>
Anti-crushing	<b>NO</b>	<b>NO</b>
Safety device input	<b>NO</b>	<b>NO</b>
Photocell input	<b>NO</b>	<b>NO</b>
Limit switches-encoder	<b>NO</b>	<b>NO</b>
Type of programming	<b>-</b>	<b>-</b>
Electric-lock	<b>NO</b>	<b>NO</b>
Embedded radio receiver	<b>NO</b>	<b>NO</b>
Protection degree	<b>IP 55</b>	<b>IP 55</b>

#### ACCESSORIES



**AJ00605**  
battery back-up  
case only,  
for SL series



**AJ00900**  
1,9Ah (12V) battery.  
With 24V systems  
2 pcs are necessities




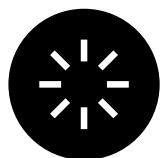
**AJ01483**  
Battery back-up kit  
for BE24 control unit.  
Batteries are included



**AJ01482**  
Battery back-up kit  
for BA24, BR24 and  
BSC24. CB25 and  
batteries are included



			Code
<b>CB24</b>	Battery charger card for AJ00605	<b>1</b>	<b>AJ00606</b>
<b>CB25</b>	Battery charger card for other enclosures	<b>1</b>	<b>AJ00608</b>



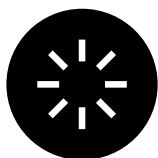
ACCESSORIES.

140





REMOTE CONTROLS	MAKO	PAGE 142
REMOTE CONTROLS	DTS - DRS	PAGE 145
MANAGER REMOTE CONTROLS	DTC - DRC	PAGE 146
REMOTE CONTROLS	GIOTTO	PAGE 148
FLASHLIGHT SYSTEM	DSL	PAGE 150
ENCLOSURES	DRR	PAGE 152
PHOTOCELLS - KEY SELECTORS - SUPPORT COLUMNS	DC	PAGE 154
Ø 60 PHOTOCELLS - Ø 60 KEY SELECTORS - SUPPORT COLUMNS	DG	PAGE 158
SAFETY DEVICES	CMK	PAGE 160



## ACCESSORIES.

### 142 MAKO

A new concept of elegance. The new GIBIDI transmitter to open the doors of your future.

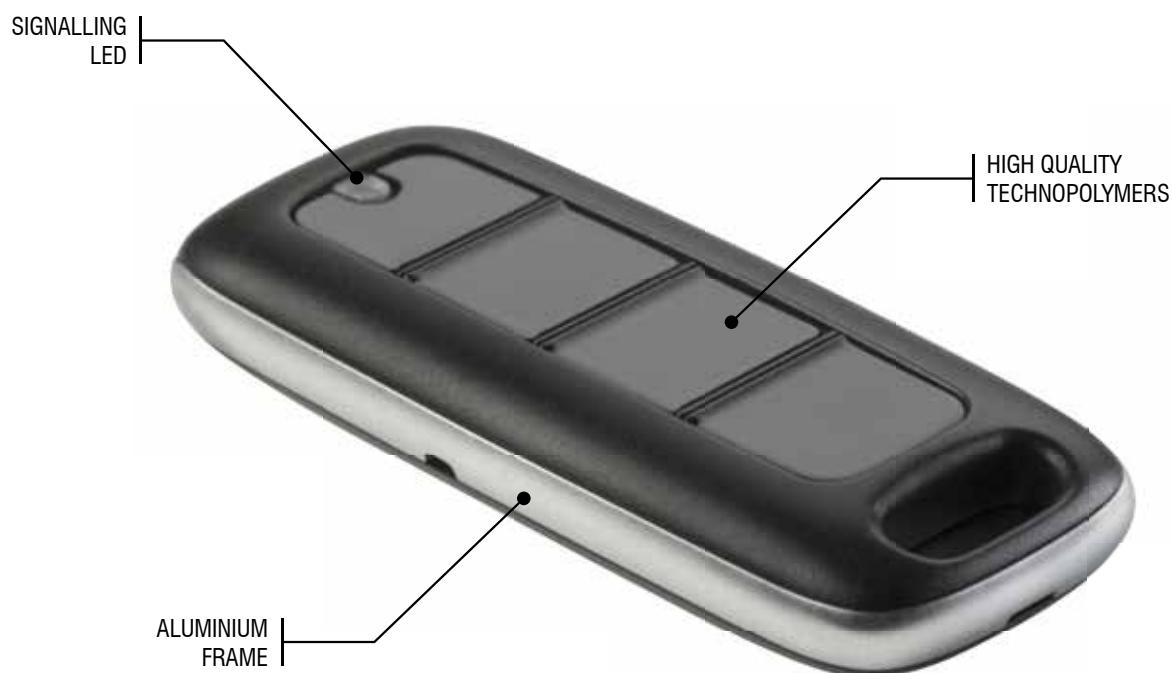
Smart lines, ergonomic buttons easy to use, signalling LED and a hooking for the key ring directly inserted in the die-cast aluminium structure. The casing is produced from the most modern techno-polymers providing protection to the GIBIDI equipment inside.

Innovative electronics made with the highest technologic standards to always grant reliability, safety and signal power,

thanks to the HPA system (High Protection Algorithm)!

Available also with MANAGER electronics for an evolved management of the access, that cannot be cloned! MAKO with MANAGER, the safety binomial.

MAKO: the new way of using the most advanced technology.



## 433 MHZ REMOTE CONTROLS AND RADIO RECEIVERS



### MAKO

4 channels rolling code remote control, with 433 MHz frequency

#### Black colour:

Pack of 1 pc  
Code **AU03100**

Pack of 40 pcs  
Code **AU04200**

#### White colour:

Pack of 1 pc  
Code **AU03150**

Pack of 40 pcs  
Code **AU04250**



### DRS 4334

4 channels stand alone receiver for containers model DRR1000, DRR2000 and DSL2000

Pack of 1 pc  
Code **AU02810**



### DRS 4332

2 channels plug-in receiver board for control units

Pack of 1 pc  
Code **AU02910**



### DRS 4331

stand alone universal coding 1 channel radio receiver 42x48xH25 mm

Pack of 1 pc  
Code **AU02540**

## 868 MHZ REMOTE CONTROLS AND RADIO RECEIVERS



### MAKO

4 channels rolling code remote control, with 868 MHz frequency

#### Black colour:

Pack of 1 pc  
Code **AU03200**

Pack of 40 pcs  
Code **AU04300**

#### White colour:

Pack of 1 pc  
Code **AU03250**

Pack of 40 pcs  
Code **AU04350**



### DRS 8684

4 channels stand alone receiver for containers model DRR1000, DRR2000 and DSL2000

Pack of 1 pc  
Code **AU02840**



### DRS 8682

2 channels plug-in receiver board for control units

Pack of 1 pc  
Code **AU02940**



### DRS 8681

stand alone universal coding 1 channel radio receiver 42x48xH25 mm

Pack of 1 pc  
Code **AU02530**

## MANAGER TECHNOLOGY - 433 MHZ REMOTE CONTROLS AND RADIO RECEIVERS



### MAKO

4 channels rolling code remote control, with 433 MHz frequency

#### Black colour:

Pack of 1 pc  
Code **AU03110**

Pack of 40 pcs  
Code **AU04210**

#### White colour:

Pack of 1 pc  
Code **AU03155**

Pack of 40 pcs  
Code **AU04255**



### DRC 4334

4 channels stand alone receiver for containers model DRR1000, DRR2000 and DSL2000

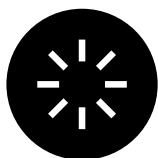
Pack of 1 pc  
Code **AU02820**



### DRC 4332

2 channels plug-in receiver board for control units

Pack of 1 pc  
Code **AU02930**



## ACCESSORIES.

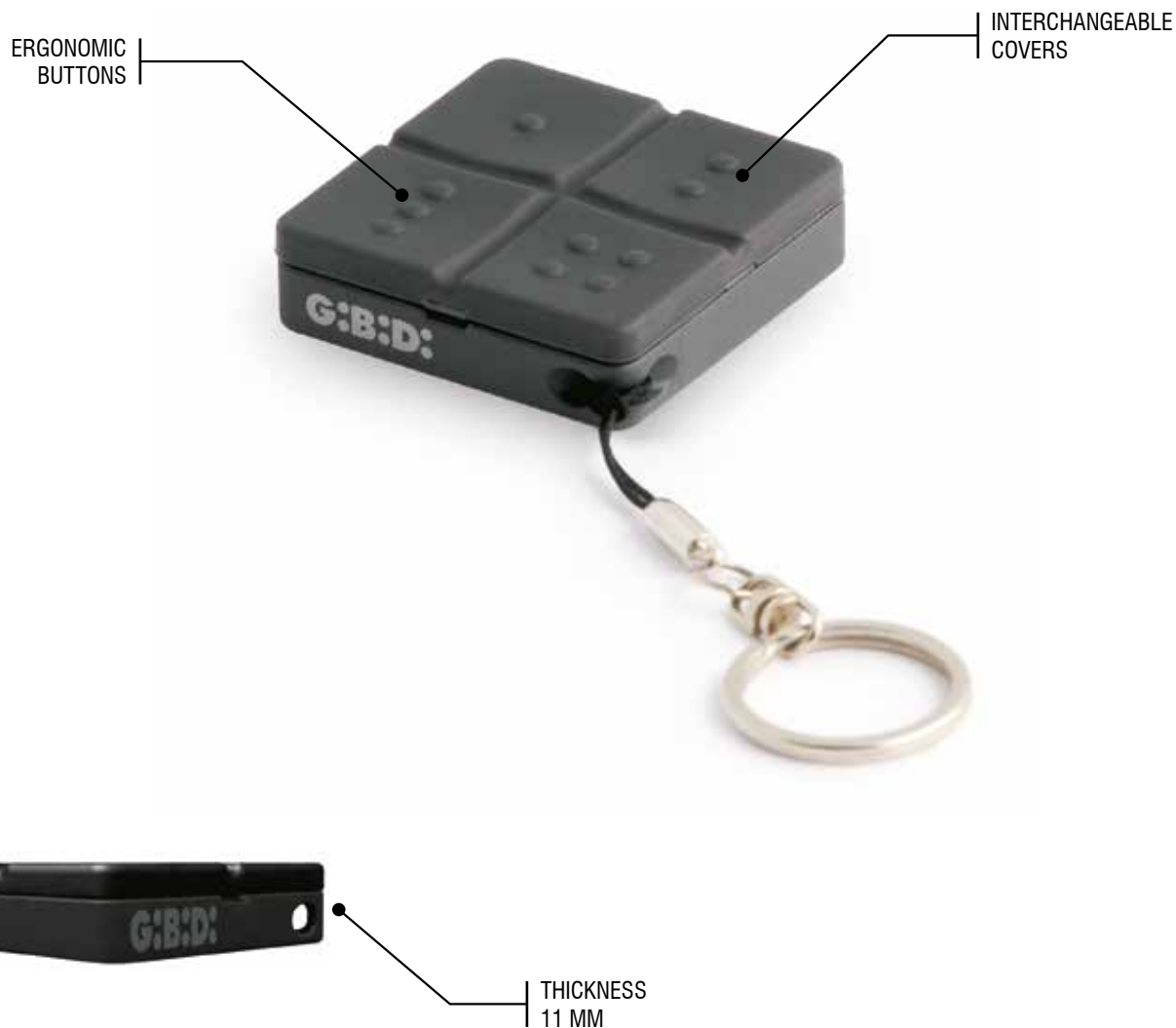
### 144 DOMINO

It dominates every type of system with the ease of a simple gesture that touches a high design object.

DOMINO is easy to use, thanks to the ergonomic buttons, small (but not too much) and reliable. You can attach it to your key ring, or fix it in the car using the included fastening system.

Thanks to the nice accessories you can customize your remote control with a color of your choice from those available. The colored covers can be changed in seconds.

DOMINO: the most modern way to use the most advanced security.





## DTS - DRS

145

### 433 MHZ REMOTE CONTROLS



#### DTS 4334

4 channels rolling code remote control, black colour, with 433 MHz frequency, with key ring and velcro fastening pad included

Pack of 1 pc  
Code **AU03000**



#### DTS 4334

4 channels rolling code remote control, black colour, with 433 MHz frequency

Pack of 40 pcs  
Code **AU0400**



#### ACCESSORY

BLISTER ACCESSORY set of 3 coloured covers + key ring and velcro fastening pad

Pack of 1 pc  
Code **AU04000**

### 433 MHZ RADIO RECEIVERS



#### DRS 4334

4 channels stand alone receiver for containers model DRR1000, DRR2000 and DSL2000

Pack of 1 pc  
Code **AU02810**



#### DRS 4332

2 channels plug-in receiver board for control units

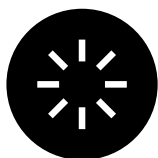
Pack of 1 pc  
Code **AU02910**



#### DRS 4331

Stand alone universal coding 1 channel radio receiver 42x48xH25 mm

Pack of 1 pc  
Code **AU02540**



## ACCESSORIES.

### 146 MANAGER

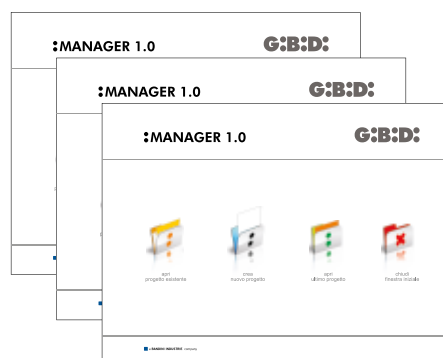
The programmer easy to use that allows the complete management of all the installations made with MANAGER series devices.

The possibility to manage the system by PC makes it easy to use and flexible.

The solution offered by GIBIDI to all customers who want to make the installation their own domain.

The system programming is done in WIRELESS technology.

MANAGER allows the user to program transmitting and receiving devices both at radio frequency and at transponder and to manage functionality, customization, authorisation, modification and also the innovatory system anti-cloning always in safety modality (ROLLING-CODE).





## DTC - DRC

147

### 433 MHZ REMOTE CONTROLS



#### DTC 4334

4 channels rolling code remote control, black-grey colour, with 433 MHz frequency, with key ring and velcro fastening pad included

Pack of 1 pc  
Code **AU03010**



#### DTC 4334

4 channels rolling code remote control, black-grey colour, with 433 MHz frequency, with key ring and velcro fastening pad included

Pack of 1 pc  
Code **AU0410**



#### ACCESSORY

BLISTER ACCESSORY set of 3 coloured covers + key ring and velcro fastening pad.

Pack of 1 pc  
Code **AU04000**

### 433 MHZ RADIO RECEIVERS



#### DRC 4334

4 channels stand alone receiver for containers model DRR1000, DRR2000 and DSL2000

Pack of 1 pc  
Code **AU02820**



#### DRC 4332

2 channels plug-in receiver board for control units

Pack of 1 pc  
Code **AU02930**



#### MANAGER

Programming handheld that allows complete management of all the installations made with the MANAGER series devices

Pack of 1 pc  
Code **AS05150**

### ACCESSORIES



#### DCT 100

TRANSPONDER (rolling code) transmission device

Pack of 20 pcs  
Code **AU03040**



#### DCT 200

TRANSPONDER (rolling code) transmission device

Pack of 20 pcs  
Code **AU03030**



#### DCT 300

TRANSPONDER (fix code) transmission device

Pack of 20 pcs  
Code **AU03035**



#### DCT 400

TRANSPONDER (fix code) card transmission device

Pack of 20 pcs  
Code **AU03070**



#### DCX 100

TRANSPONDER receiver for DCT100-200-300-400

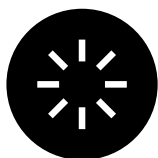
Pack of 1 pc  
Code **AU05000**



#### DCD 100

Keypad for the activation up to 9 channels and 1000 customized codes.

Pack of 1 pc  
Code **AU02100**



## ACCESSORIES.

### 148 GIOTTO

For all those who love to always carry their own remote control, here is GIOTTO! The new pocket-sized two-channel remote control without edges. Its small size with large buttons make it easy to use but discreet at the same time.

Equipped with HPA (High Protection Algorithm) technology, it can be used in total safety.

GIOTTO is also powerful and thanks to the best technologies, it is able to open and close your automatic gate even from great distances.

GIOTTO is fully compatible with the MAKO and DOMINO rolling code series.



## 433 MHZ REMOTE CONTROLS



### DTR 4335

2 channels rolling code remote control, black colour, with 433 MHz frequency, with key ring

Pack of 1 pc  
Code **AU04500**

Pack of 40 pcs  
Code **AU0450**

## 433 MHZ RADIO RECEIVERS



### DRS 4334

4 channels stand alone receiver for containers model DRR1000, DRR2000 and DSL2000

Pack of 1 pc  
Code **AU02810**



### DRS 4332

2 channels plug-in receiver board for control units

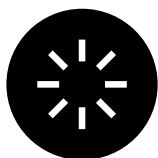
Pack of 1 pc  
Code **AU02910**



### DRS 4331

Stand alone universal coding 1 channel radio receiver 42x48xH25 mm

Pack of 1 pc  
Code **AU02540**



## ACCESSORIES.

### 150 DSL

Yet another joy of modern technology and intelligent design applied to a flashlight.

Thanks to its modularity and extremely easy installation, the radio receiver and antenna are quickly integrated into one single product.

All you have to do is choose the type of flashlight and your product is complete.

If you decide to use the built-in radio receiver, you can store the transmitters simply by using the controls on the case.

DSL: the new hallmark of your automatic gate.





**DSL70710**  
230 Vac complete flashing lamp unit  
Code **70710**



**DSL70724**  
24 Vdc complete flashing lamp unit  
Code **70724**



**DSL230L**  
230 Vac LED spare flashing lamp card  
Code **AU02610**



**DSL024L**  
24 Vdc LED spare flashing lamp card  
Code **AU02624**

## ACCESSORIES



**AU02810**  
Radio receiver 4CH 433 MHZ



**AU02820**  
Radio receiver 4CH 433 MHZ Manager



**70187**  
433 MHZ antenna with 4 m cable

## INSTALLATION LAY-OUT



WALL-MOUNTED

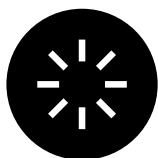


ROTATING BASE



PILLAR-MOUNTED





## ACCESSORIES.

### 152 DRR

A new case for radio receivers suitable for outdoor installation.

Thanks to the extreme modularity, it can be wall-mounted or pillar-mounted.

The kit includes an adapter to install the outdoor antenna directly on the case.

A new design for a simple and functional product.

SCREW-CAPS

RADIO  
RECEIVER  
HOUSING





**DRR1000**  
External IP55 housing for receiver boards  
Code **AU02800**



**DRR2000**  
Receiver boards housing (not IP proof)  
Code **AU02600**

## ACCESSORIES



**AU02810**  
Radio receiver 4CH 433 MHZ



**AU02820**  
Radio receiver 4CH 433 MHZ Manager



**70187**  
433 MHz antenna with 4 m cable

## INSTALLATION LAY-OUT



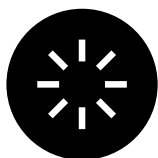
WALL-MOUNTED



ROTATING BASE



PILLAR-MOUNTED



## ACCESSORIES.

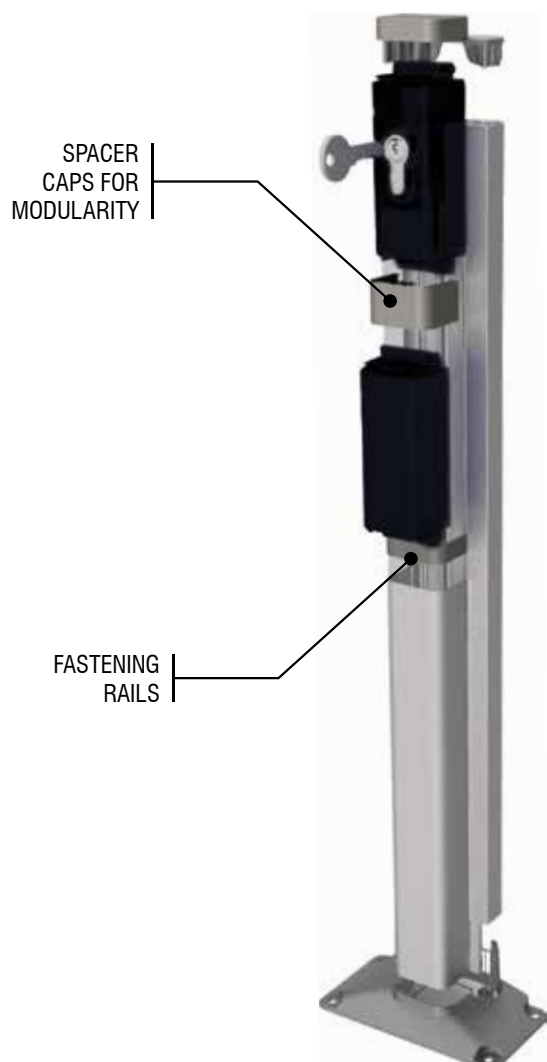
154 DC

The new range of GIBIDI accessories, posts, photocells and wall-mounted key selectors.

A range designed to be adaptable to any kind of installation or aesthetic requirement, a patented system that includes technology, design and easy installation.

A modular system that allows easy setting up and maintenance.

The perfect solution to complete your automatic entrance.







**DCF180**

Pair of synchronized photocells,  
180° rotation (12/24Vdc-ac)  
max range 30 m • IP54

Pack of 1 pc  
Code **AU02250**



**DCF180D**

Pair of synchronized digital photocells  
(max synch. 16 pairs),  
180° rotation (12/24Vdc-ac)  
max range 30 m • IP54

Pack of 1 pc  
Code **AU02010**



**DCF180DB**

Pair of synchronized digital photocells  
with battery powered transmitter  
(batteries included), 180° rotation  
(12/24Vdc-ac) max range 20 m • IP54

Pack of 1 pc  
Code **AU02020**



**DCS100**

Wall-mounted key selector  
with 3 keys • IP54

Pack of 1 pc  
Code **AU01940**



**DCS200**

Wall-mounted key selector  
with Led light point with 3 keys • IP54

Pack of 1 pc  
Code **AU01950**



**DCS300**

Wall-mounted wireless key selector  
with 3 keys • IP54

Pack of 1 pc  
Code **AU01960**



**DCD300**

Keypad with card reader, vandal-proof,  
surface-mounted, IP66, 2 relays, 999 codes  
/ keys, 12-28 Vac-dc with 2m cable

Pack of 1 pc  
Code **AU02201**



**AU03071**

User card for DCD300

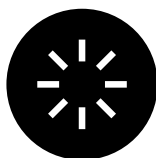
Pack of 1 pc  
Code **AU03071**



**AU03072**

User tag for DCD300

Pack of 1 pc  
Code **AU03072**



## ACCESSORIES.

156

DC



### DCX100

TRANSPONDER receiver for DCT100-200-300-400. working distance 0÷20 mm at 125 KHz. Radio transmission on 433 MHz. Power supply 12/24 Vdc-ac. It can be customized with the MANAGER technology IP54

Pack of 1 pc  
Code **AU05000**



### DCD100

Keypad for the activation up to 9 channels and 1000 customized codes. Radio transmission on 433 MHz. Power supply 12/24 Vdc-ac or 7,2 V battery. It can be customized with the MANAGER technology IP54

Pack of 1 pc  
Code **AU02100**



### DCT 100

TRANSPONDER (rolling code) transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pcs  
Code **AU03040**



### DCT 200

TRANSPONDER (rolling code) transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pcs  
Code **AU03030**



### DCT 300

TRANSPONDER (fix code) transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pcs  
Code **AU03035**



### DCT 400

TRANSPONDER (fix code) card transmission device. Enabling frequency 125 KHz. It can be customized with the MANAGER technology

Pack of 20 pcs  
Code **AU03070**



### DTC 600

TRANSPONDER KEY RING transmission device (Fix code). Enabling frequency 125 KHz.

Pack of 1 pc  
Code **AU03074**



**DCL100**  
YELLOW LED light 24 Vdc-ac.  
IP54 (can be used as flashlight  
system)

Pack of 1 pc  
Code **AU02050**



**DCL200**  
RED LED light 24 Vdc-ac.  
IP54

Pack of 1 pc  
Code **AU02060**



**DCL300**  
GREEN LED light 24 Vdc-ac.  
IP54

Pack of 1 pc  
Code **AU02070**



**DCL400**  
WHITE courtesy LED light  
24 Vdc-ac. • IP54

Pack of 1 pc  
Code **AU02090**



**DCA110-1**  
Aluminium column H110 cm  
for a single DCF,DCS  
or DCL device

Pack of 2 pcs  
Code **70400**



**DCA110-2**  
Aluminium column H110 cm  
for a double DCF,DCS  
or DCL device

Pack of 2 pcs  
Code **70410**



**DCA055-1**  
Aluminium column H55 cm  
for a single DCF or DCL device

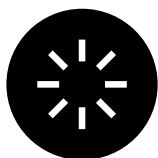
Pack of 2 pcs  
Code **70420**



**TLED**  
TLED Ø124 mm traffic light

Pack of 1 pc  
Code **AU02096**  
24 V traffic light

Pack of 1 pc  
Code **AU02097**  
230 V traffic light



## ACCESSORIES.

158 DG

The range of GIBIDI accessories, posts, photocells and built-in or wall-mounted selectors.

A range that can be adapted to any kind of installation requirement, that includes technology and ease of installation.

A modular system that allows easy setting up and maintenance. Another solution to complete your automatic entrance.





**DGF100**

Pair of Ø60 built-in photocells  
(12/24 Vdc-ac). Maximum range  
30 m • IP54

Pack of 1 pc  
Code **AU02260**



**DGF200**

Pair of Ø60 wall-mounted photocells  
(12/24 Vdc-ac). Maximum range  
30 m • IP54

Pack of 1 pc  
Code **AU02270**



**DGS100**

Ø 60 built-in key selector  
with european profile lock  
+ 3 keys • IP54

Pack of 1 pc  
Code **AU01920**



**DGS200**

Ø 60 wall-mounted key selector  
with european profile lock  
+ 3 keys • IP54

Pack of 1 pc  
Code **AU01930**



**DGA110-1**

Aluminium column H110 cm  
for a single DGF or DGS device

Pack of 2 pcs  
Code **70300**



**DGA110-2**

Aluminium column H110 cm  
for a double DGF or DGS device

Pack of 2 pcs  
Code **70310**



**DGA055-1**

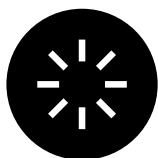
Aluminium column H55 cm  
for a single DGF device

Pack of 2 pcs  
Code **70320**



Galvanised case to be built-in or welded  
for DGS or DGF devices

Pack of 1 pc  
Code **70176**



## ACCESSORIES.

### 160 CMK

#### 8K2 CERTIFIED EN 12978 ASSEMBLED SAFETY EDGES



<b>CM100K8</b>	8K2 safety edge 1,0 m
<b>CM150K8</b>	8K2 safety edge 1,5 m
<b>CM170K8</b>	8K2 safety edge 1,7 m
<b>CM200K8</b>	8K2 safety edge 2 m
<b>CM250K8</b>	8K2 safety edge 2,5 m

#### TO BE ASSEMBLED EDGES

##### **S-CMK**

Rubber and aluminium edge profile  
(price per m.)

##### **S-CMK200**

Set for CMK terminal end-caps max 2 m

##### **S-CMK400**

Set for CMK terminal end-caps max 4 m

#### CONTROL CARDS



##### **SAFE 2**

Control card for edges 2 ch



##### **SAFE 4**

Control card for edges 4 ch

## 8K2 NO TOUCH CAP ACTIVE SAFETY EDGES



### 8K2 SAFETY EDGES

With 868 MHz frequency transmitter

- CM100K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L = 1,0 m
- CM150K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L = 1,5 m
- CM170K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L = 1,7 m
- CM200K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L = 2 m
- CM250K8-NT** Safety edge with NO TOUCH transmitter 868 MHz L = 2,5 m



### CAP-T868

CAPTIVE transmitter for external use  
868MHz frequency

### CAP-R868

CAPTIVE receiver for external use  
868MHz frequency

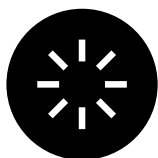
### AW11290

NO TOUCH inhibition  
magnet KIT

## MECHANICAL RUBBER SAFETY EDGES



- CM100M** Mechanical rubber safety edge of 1 m
- CM150M** Mechanical rubber safety edge of 1,5 m
- CM170M** Mechanical rubber safety edge of 1,7 m
- CM200M** Mechanical rubber safety edge of 2 m
- CM250M** Mechanical rubber safety edge of 2,5 m



## 162 ACCESSORIES

### GATE FINGER PROTECT



**KBP-05**  
Hand protection edge kit L = 5 m



**KBP-10**  
Hand protection edge kit L = 10 m

### ACCESSORIES



**AS05900**  
24 Vdc metallic  
mass detector



**AS05910**  
230 Vac metallic  
mass detector



**AJ00632**  
12 V electric lock with lock  
+ key - counter plate not included



**AJ00642**  
24 V electric lock with lock  
+key- counter plate not included



**AJ70164**  
Counterbushing  
for horizontal mounting



**AJ70163**  
Ground plate for  
vertical mounting



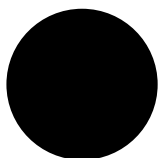
**AJ00862**  
Left/right leaf lock



**AJ75800**  
Gate warning plate







MARKETING SUPPORT.

164



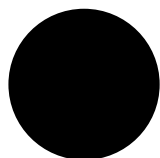
CUT-OFF PRODUCTS  
FOR THE SHOW ROOM

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PRODUCTS  
FOR THE SHOW-ROOM

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CUT-OFF PRODUCTS FOR THE SHOW ROOM



SERRA DEMO



FLOOR DEMO



PASS600 DEMO



PASS1200 DEMO



SL544 DEMO



GROUND DEMO

PRODUCTS FOR THE SHOW-ROOM



ROLL-UP



CATALOGUES



PENS



LEAFLETS



NOTE PADS



CLOTHING

### Enforcement field

These general conditions discipline all the present and future sales contracts between the parties, except possible dispensations agreed in writing in detail. Possible general conditions of the purchaser will not find enforcement to the future relationships between the parties if they are not accepted explicitly in writing. The acceptance on behalf of the purchaser of GI.BI.DI. offer or order confirmation, no matter how done, implies the enforcement of these general conditions to the sales contract.

The offers done by GI.BI.DI. agents and trade auxiliaries are not binding until they are confirmed by the same company.

### Prices and payments (Export)

It is understood that the listed prices are ex works, including packaging, except single orders for amounts less than Euro 1.600,00 will be charged of a fixed cost of Euro 80,00, debited in the invoice. GI.BI.DI. reserve the right to modify his own price list at any time giving communication to the purchaser. The prices have to be understood without VAT. GI.BI.DI. have right - starting from payment's expiry, without necessity of meeting with arrears - to the arrears interests in accordance with the interest tax imposed by E.C.B. to its main refinancing operations, increased by 8 percentage points. In case of delays in payments, GI.BI.DI. have right, besides the remedy above mentioned, to suspend the supplies in progress until outstanding payments' punctual fulfilment. The purchaser has no right to suspend payments, not even in case of objections referring to supplied products.

If the payment has to be done - completely or partially - after the delivery, products continue to belong to GI.BI.DI. until the moment of price's complete payment.

### Orders and deliveries

The orders will be accepted, by order confirmation, only if sent in writing. Delivery terms are understood indicative in favour of GI.BI.DI. and however with an adequate margin of tolerance. Any responsibility of GI.BI.DI. is excluded for consequential damages deriving from advanced or delayed delivery, total or partial.

### Guarantee

GI.BI.DI. guarantee the performances of its own manufacturing products only and exclusively with regard to uses, destinations, applications, etc. explicitly indicated. The guarantee is intended to be applied only to GI.BI.DI. components and thus not to the whole project or installation in which they are included. Any other use has to be considered improper and therefore dangerous. In the case the purchaser intends products above mentioned to sale, it will be his own burden and responsibility to let know to his buyers the indications in object.

This guarantee, in commercial relationships or in case of good's sale for professional use, is given in compliance with art. 1512 CC and is restricted to the repair or replacement of the component recognized as defective because of design, material or manufacture defect, referable to GIBIDI, within 24 months from the date of sale or installation, as long as it is duly certified from a valid fiscal document (invoice or receipt note with Transport Document), indicating the data of the products installed (code, series number, etc...). In the absence of these sales documents, GIBIDI will recognize the guarantee of 30 months starting from the production date, excluded the defects deriving from tampering. Except faults deriving from tampering or facts caused by the same purchaser as wrong installation, modifications or reparations made without GI.BI.DI. authorizations, use, maintenance or conservation not correct.

Possible reparations / substitutions do not extend guarantee's duration. You must consider excluded from guarantee the use of control board equipments and/or control and safety accessories not made by GI.BI.DI., feeding tension's irregularities, use different from what expected or any other cause that cannot be ascribed to GI.BI.DI. These faults' verification lies exclusively within the competence of GI.BI.DI. technicians. Except GI.BI.DI. malice or heavy fault, this one is not answerable for direct, indirect and/or consequential damages deriving to the purchaser from end products (as, for instance, damages for non - use of supplied goods, on behalf of the purchaser and/or the end user).

The guarantee above mentioned takes up and substitutes law guarantees for irregularities and conformities, and excludes any other possible G.I.B.I.D.I. responsibility anyway caused by supplied goods; in particular the purchaser will not be able to claim compensation for damage, price reduction or contract resolution.

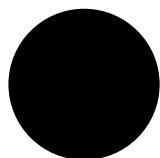
The purchaser loses guarantee right if he is in order with payments. Possible claims will have to be made in writing, at expiry penalty, within a maximum term of 8 days from products' receiving date for quality faults or not conformity that the purchaser could note as soon as he receives goods; within 8 days from the discovery of hidden faults or not conformity. When the guarantee is expired, you will be not able to put forward a claim towards G.I.B.I.D.I. Goods shall be forwarded to G.I.B.I.D.I. with transport cost charged to the purchaser and they will send back ex-works

### **Warnings**

The safety and reliability of the systems is warranted by the integral use of G.I.B.I.D.I. components and by observing good working practices and the laws in force. We therefore decline any responsibility due to a lack of respect for these conditions. G.I.B.I.D.I. is not responsible for failure to observe good working practice in the fabrication of the frames to automate and their possible alteration due to use. G.I.B.I.D.I. production must be solely destined to the use for which it was designed. Any other use is therefore considered to be improper and therefore dangerous. G.I.B.I.D.I. reserves the right to modify the technical data without prior notice depending on the product development.

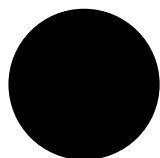
### **Applicable law - Judiciary concerned**

All contracts disciplined by the present general conditions are regulated by Italian Law. For every dispute concerning or anyway connected to the contracts to which the present general conditions are applied G.I.B.I.D.I. Judiciary is exclusively concerned; however the last one will have authority to act at the purchaser Judiciary.

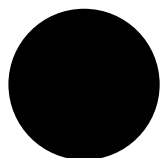














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CREATIVE AUTOMATIONS

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www.gibidi.com

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