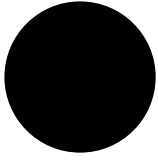
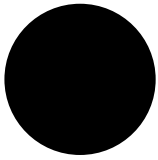


ACCESS CONTROL
AND AUTOMATION.
2018 CATALOGUE

G:B:D:
CREATIVE AUTOMATIONS





ACCESS CONTROL
AND AUTOMATION.

2





CREATIVE COMPANY

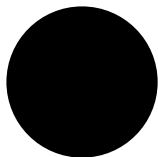
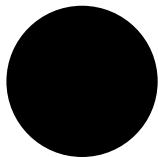
G.I.B.I.D.I. is an Italian company that produces and distributes professional automatic devices for entryways since more than 45 years. Starting from 1972, we design and produce following the concept of total quality, a choice that reflects in the high technology of our products.

GIBIDI automations are manufactured in two production plants: Poggio Rusco (MN), dedicated

to the mechanical design, assembling and final test, and Casale Litta (VA), where we design and produce all the electrical components. About 6.000 sqm dedicated to CREATIVE AUTOMATIONS.

Our products are distributed in more than 40 countries around the world by qualified partners, specialized agents and direct branches.





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.

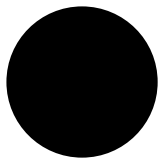
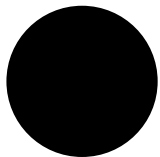
Thanks to our knowledge and technical mastery, we have been able to develop new services, as the direct and customized technical training for our partners, the warranty for 3 years on our products and a high level technical service.



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.



ACCESS CONTROL AND AUTOMATION.

6

Dear Customers, it is a truly pleasure to introduce the new catalogue where you can find the whole product range available this year. GIBIDI has invested so much to improve its quality and offered services.

Starting from 2018 there will be great changes. We hereby highlight the most relevant products and service news, including new technologies like the graphic display on the new SL544 and new services such as the warranty extension up to 3 years with a simple online registration.

With GIBIDI for a more creative world!



SL544

Page 10



PASS WITH ENCODER

Page 14 - 18



NEW FLOOR

Page 53



RUNNER

Page 82



DPT

Page 100



new.



AGO
Page 28



SERRA320
Page 32



SNAPPER
Page 40



BE24
Page 116

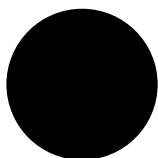


MAKO
Page 128



**3 YEARS
WARRANTY
EXTENSION**

Register your product
on the website
www.gibidi.com



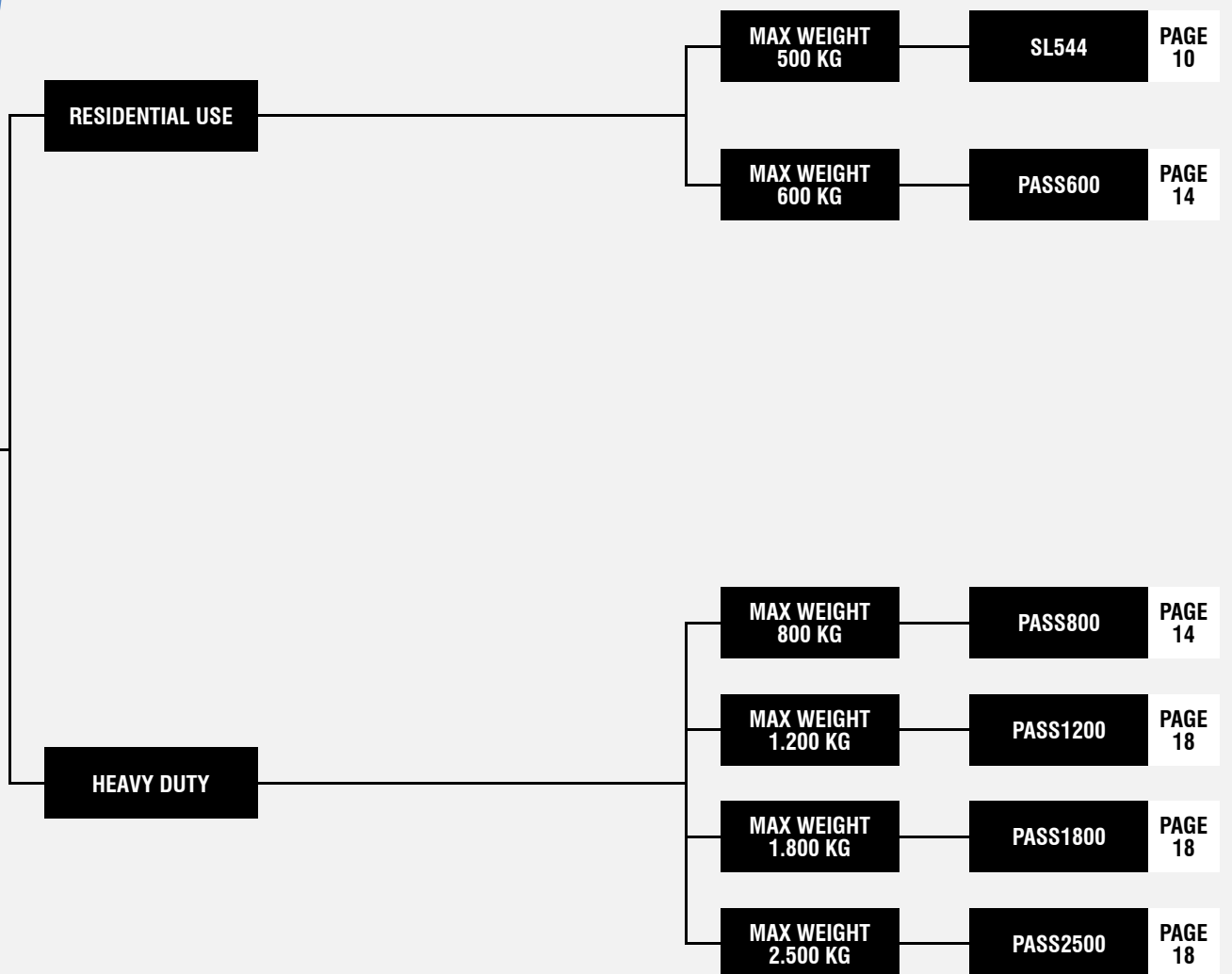
SLIDING GATES SYSTEMS.

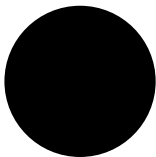
8



ELECTROMECHANICS

FOTO AUTOMATIC GATES ▶





SLIDING GATES SYSTEMS.

10

SL544

24V

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 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.

ANTI BLACK-OUT

With batteries kit (optional) installed in the motor, opening and closing even in case of black-out.

EMBEDDED
CONTROL UNIT

MANUAL
RELEASE
DEVICE

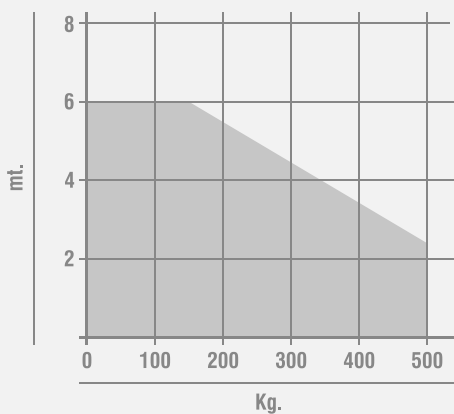
PAINTED
ALUMINIUM
STRUCTURE



TECHNICAL FEATURES

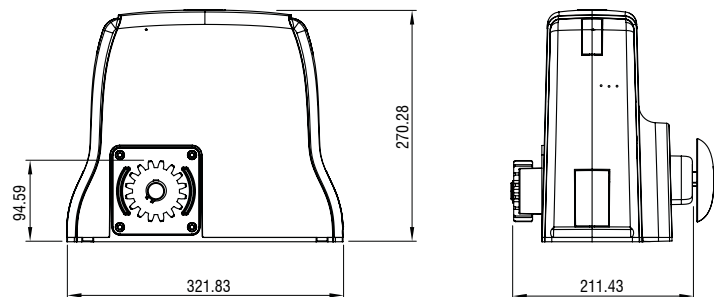
	SL544
Type of use	HEAVY DUTY
Frequency of use	90%
Motor power supply	24 Vdc
Absorbed power	100W
Protection degree	IP55
Gate speed	220 mm/s - Z=16M4
Max torque	12 Nm
Nominal torque	6 Nm
Adjustable torque	ELECTRONIC
Adjustable speed	YES
Max gate weight	500 Kg
Operating temperature	-20°C + 60°C
Max width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

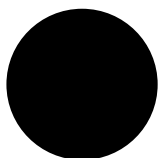
APPLICATION DIAGRAM



■ SL 544

DIMENSIONS









SLIDING GATES SYSTEMS.

12

SL544

24V

UP TO **500KG**

1	SL544	With embedded SE24* control unit, decelerations, anti-crushing	EN	 1	 30	Cod. 97504...4
		Foundation plate not included				
		Control unit technical details, see page 117				

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
No. 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

13



Cod.

KIT SL544

1 x1

2 x1

3 x1

4 x2

5 x1

6 x1

7 x1



EN

1

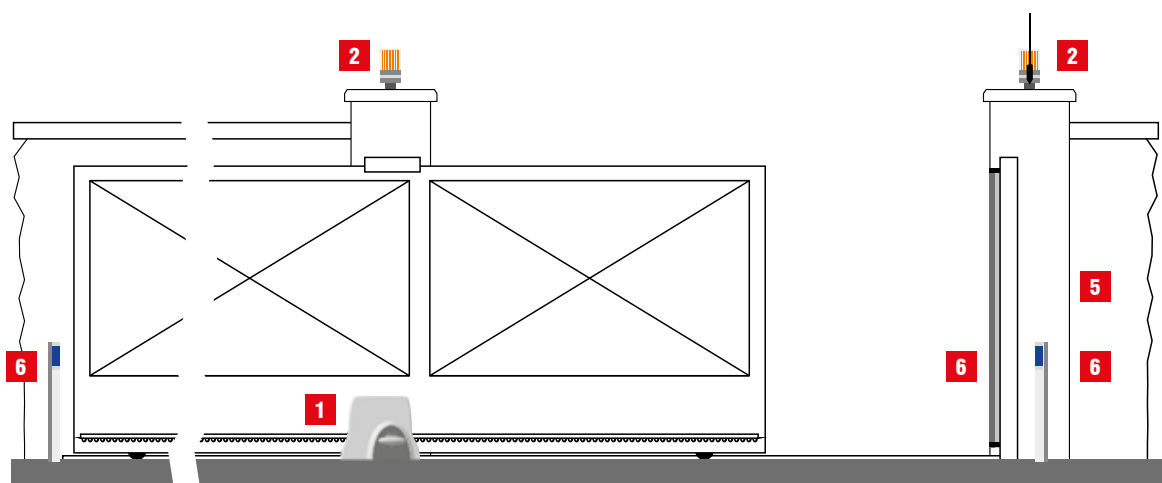
30

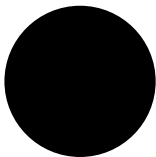
K544/BFSLT

INCLUDED IN THE KIT:

- 1** SL544
 - 2** Complete flashlight device (Page 135)
 - 3** Radio receiver board
 - 4** AU03100 / MAKO remote control - 433Mhz (Page 129)
 - 5** AU01940 / Wall mounted key selector model DCS100 (Page 139)
 - 6** AU02250 / Pair of DCF180 wall mounted photocells (Page 139)
 - 7** AJ75800 / Gate warning plate (Page 146)
- !** Foundation plate not included

INSTALLATION LAY-OUT





SLIDING GATES SYSTEMS.

14

PASS 600 - 800

230V

UP TO **800KG**

Irreversible electromechanical gearmotor in 230Vac 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

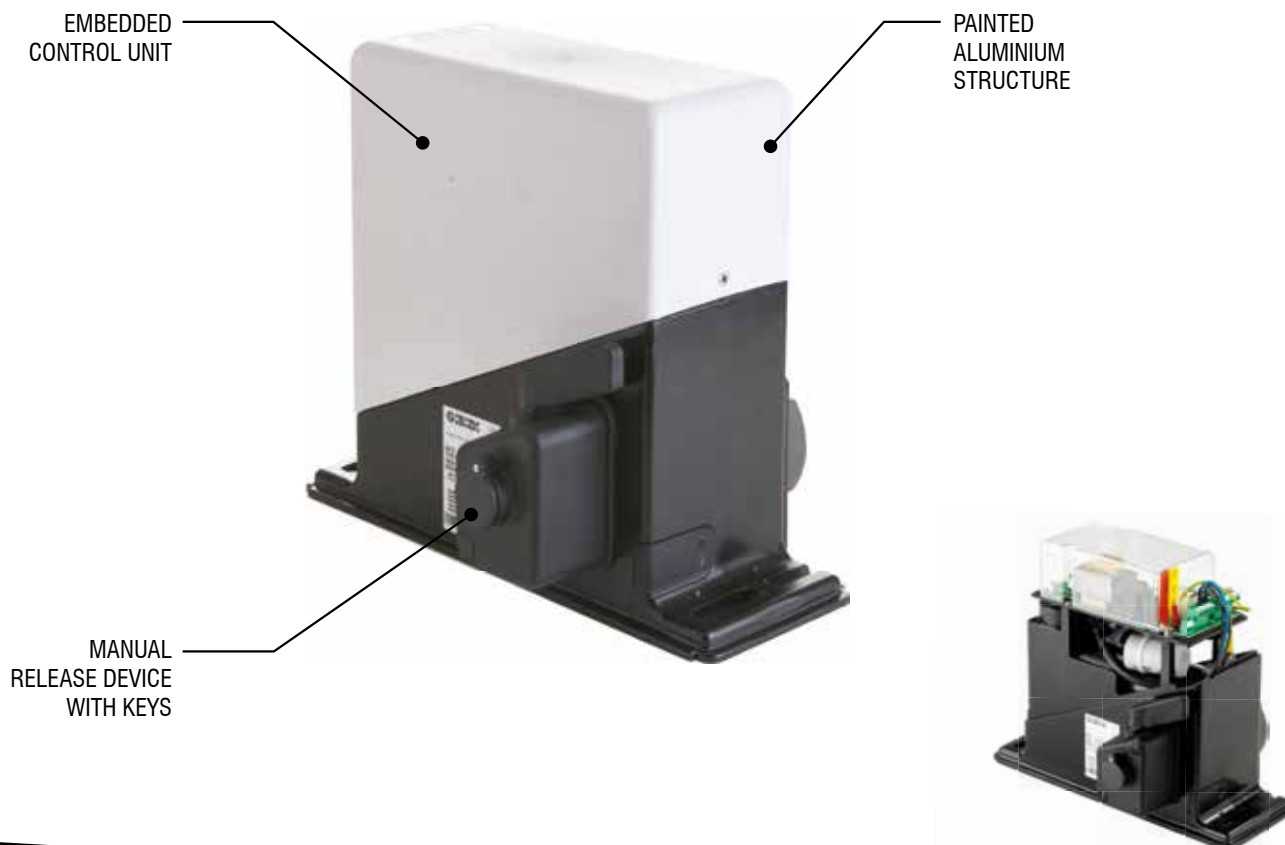
Special motors in oil bath for the best yield even in case of heavy use, versions with mechanical double-disc clutch. New irreversible and anti-sliding gears.

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

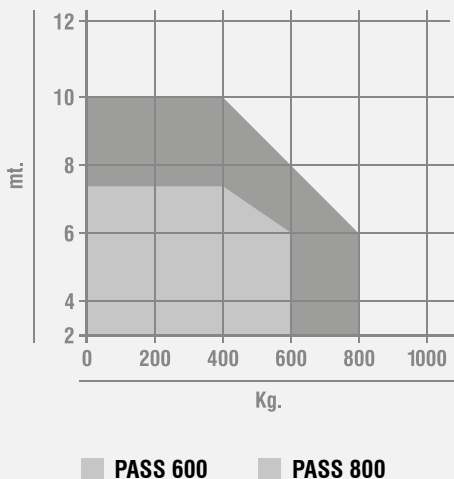
The most compact of its category, because of its direct horizontal motor, only 10 cm of thickness.



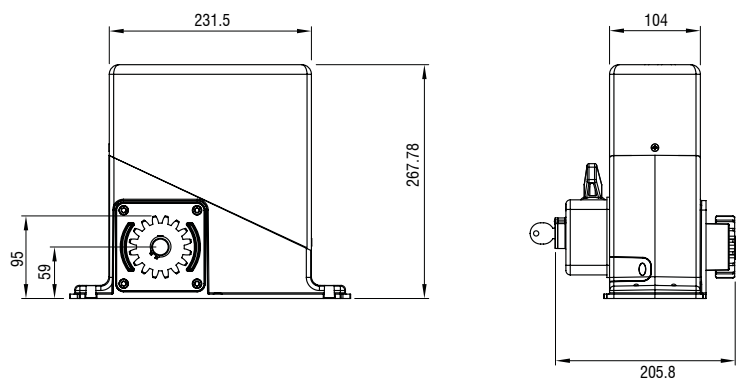
TECHNICAL FEATURES

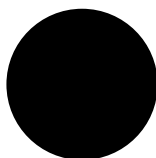
	PASS 600	PASS 800
Type of use	HEAVY DUTY/RESIDENTIAL	HEAVY DUTY
Frequency of use	60%	40%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	350W	400W
Protection degree	IP55	IP55
Gate speed	160 mm/s - Z = 16 M 4	160 mm/s - Z = 16 M 4
Max torque	20 Nm	24 Nm
Adjustable torque	ELECTRONIC	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.

16

PASS 600 - 800

230V

UP TO 800KG

					Cod.
PASS620	Without control unit, with limit switch board only		1	30	927006...9Z
1A PASS640E	With embedded SC230E* control unit, decelerations, anti-crushing	EN	1	30	927706A..9Z
PASS820	Without control unit, with limit switch board only		1	30	927008...9Z
1B PASS840E	With embedded SC230E* control unit, decelerations, anti-crushing	EN	1	30	927708A..9Z
1C PASS841E	With embedded SC230E* control unit, decelerations, anti-crushing	SF EN	1	30	927708A..9L

! Foundation plate not included

***** Control unit technical details, see page 123

SF model without mechanical clutch

ACCESSORIES



AJ92190
Foundation plate
for SL and PASS



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



A90812P
Spare limit switches
magnets for SL and PASS



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.

PASS 600 - 800

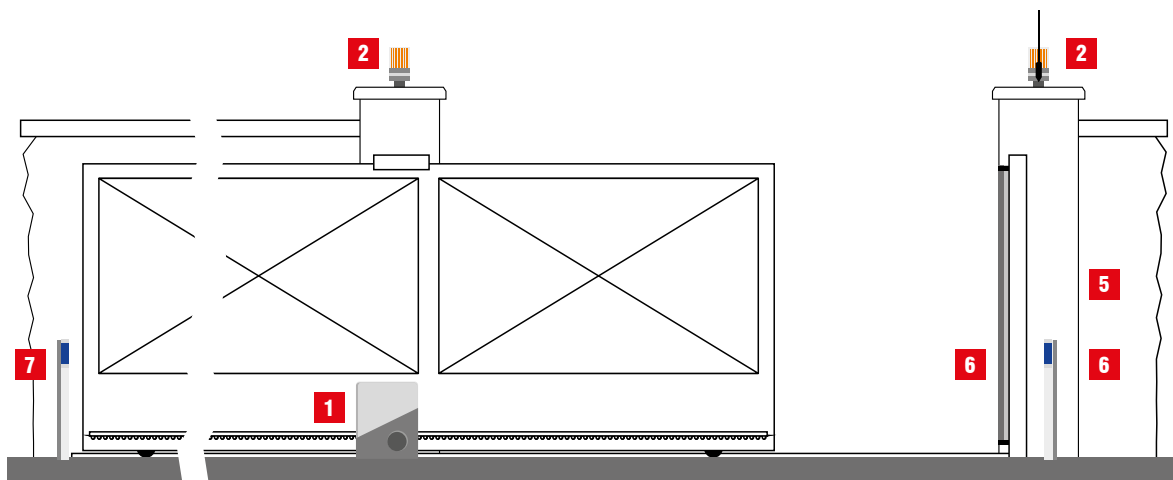
KIT

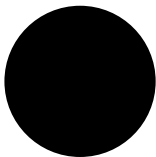
																			Cod.
KIT PASS 640E	1A x1	2 x1	3 x1	4 x2	5 x1	6 x1	7 x1			EN		1		30					K8266/BFSLT
KIT PASS 840E	1B x1	2 x1	3 x1	4 x2	5 x1	6 x1	7 x1			EN		1		30					K8256/BFSLT
KIT PASS 841E	1C x1	2 x1	3 x1	4 x2	5 x1	6 x1	7 x1		SF	EN		1		30					K8256L/BFSLT

INCLUDED IN THE KIT:

- 1A** PASS 640E
 - 1B** PASS 840E
 - 1C** PASS 841E
 - 2** Complete flashlight device (Page 135)
 - 3** Radio receiver board
 - 4** **AU03100** / MAKO remote control - 433Mhz (Page 129)
 - 5** **AU01940** / Wall mounted key selector model DCS100 (Page 139)
 - 6** **AU02250** / Pair of DCF180 wall mounted photocells (Page 139)
 - 7** **AJ75800** / Gate warning plate (Page 146)
- !** Foundation plate not included

INSTALLATION LAY-OUT





SLIDING GATES SYSTEMS.

18 **PASS 1200-1800-2500**

230-380V UP TO **2.500KG**

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

EASY TO INSTALL

Control unit in a very good position for the installer. Encoder technology for an easy self-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

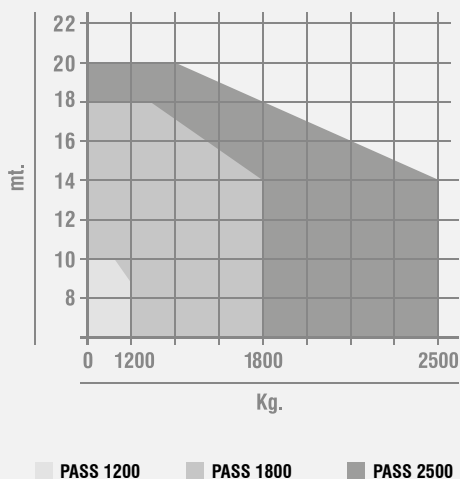
The most compact of its category, because of its direct horizontal motor, only 14 cm of thickness.



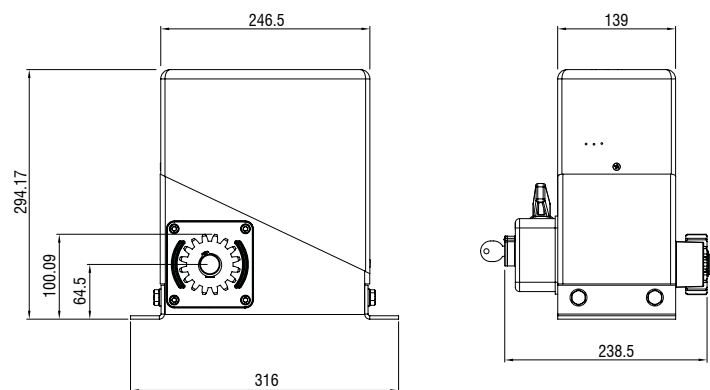
TECHNICAL FEATURES

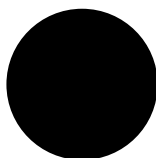
	PASS1200	PASS1800	PASS2500
Type of use	HEAVY DUTY	HEAVY DUTY	HEAVY DUTY
Frequency of use	90%	60%	70%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	380 Vac/3 phase
Absorbed power	700W	700W	750W
Protection degree	IP55	IP55	IP55
Gate speed	152 mm/s - Z = 16 M 4	152 mm/s - Z = 16 M 4	152 mm/s - Z = 16 M 4
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



DIMENSIONS





SLIDING GATES SYSTEMS.

20

PASS 1200-1800-2500

230-380V

UP TO **2.500KG**

				Cod.
PASS1220	Without control unit, with limit switch board only	1	36	939012...9
PASS1240E	With embedded SC230E* control unit, decelerations, anti-crushing EN	1	36	939712A..9
PASS1221	Without control unit, with limit switch board only SF	1	36	9390129...L
PASS1241E	With embedded SC230E* control unit, decelerations, anti-crushing SF EN	1	36	939712A..9L
PASS1820	Without control unit, with limit switch board only	1	36	939018...9
PASS1840E	With embedded SC230E* control unit, decelerations, anti-crushing EN	1	36	939718A..9
PASS1821	Without control unit, with limit switch board only SF	1	36	939018..9L
PASS1841E	With embedded SC230E* control unit, decelerations, anti-crushing SF EN	1	36	939718A..9L
PASS2500	30Vac/3-phases , without control unit, with limit switch board only	1	36	939025

! Foundation plate not included

***** Control unit technical details, see page 123

SF Model without mechanical clutch

ACCESSORIES



AJ92190
Foundation plate
for SL and PASS



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



A90812P
Spare limit switches
magnets for SL and PASS



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



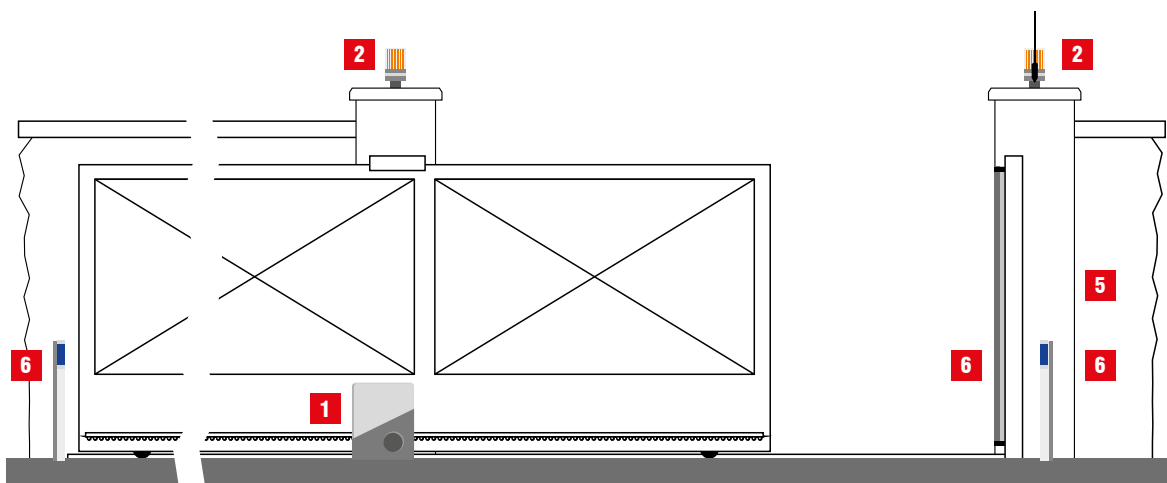
AJ00470
Wider pinion
Z=16 M4

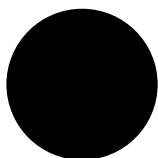


AJ91112/3
4 mt of C40 steel gear rack module 4 (30x12)
with 12 spacers. For gates over 600 kg.

INSTALLATION LAY-OUT

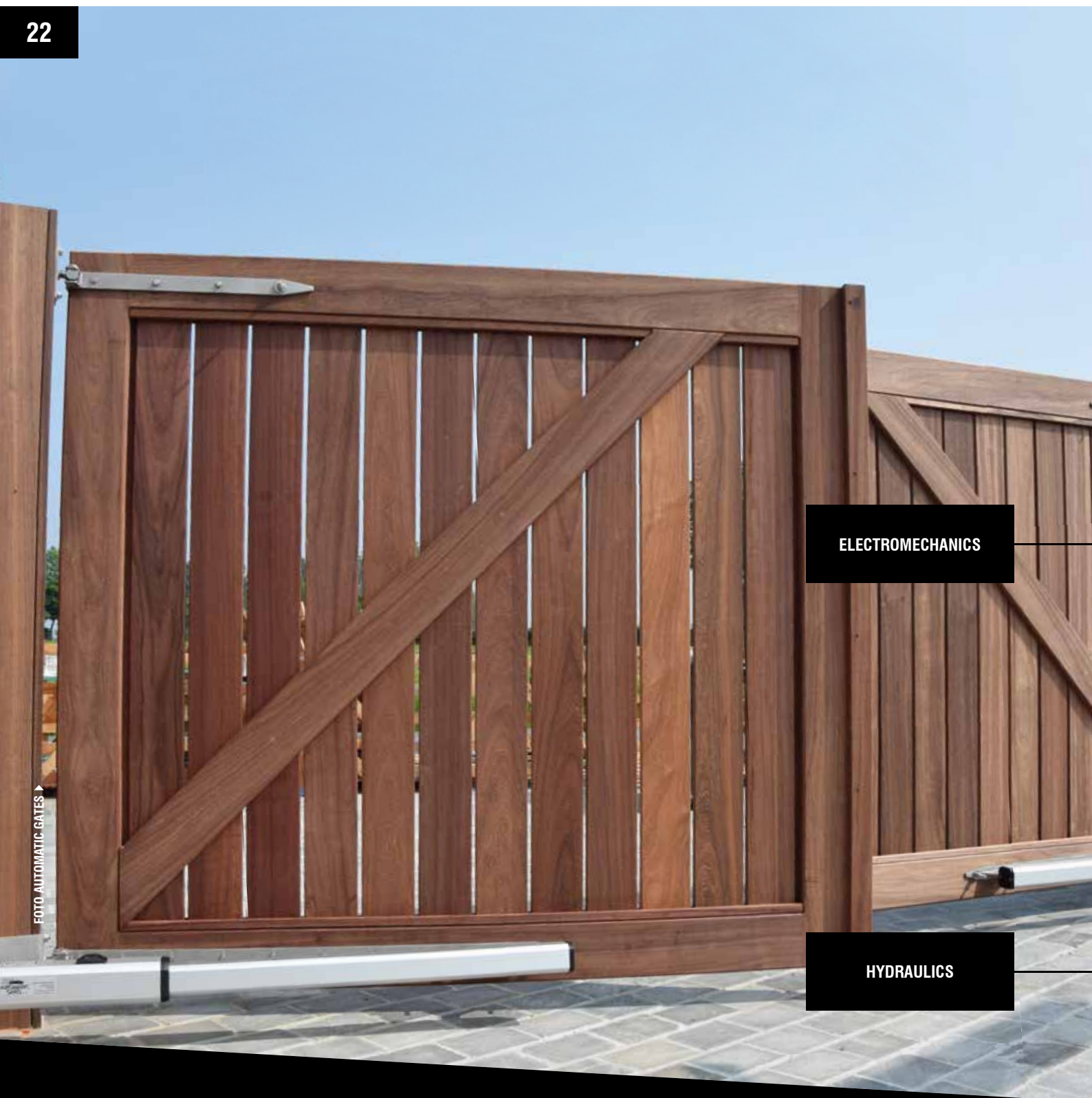
- 1** Gearmotor
- 2** 70710 / Complete flashlight device (Page 135)
- 3** AU02910 / 2 channels Radio receiver board (Page 129)
- 4** AU03100 / MAKO remote control - 433Mhz (Page 129)
- 5** AU01940 / Wall mounted key selector model DCS100 (Page 139)
- 6** AU02250 / Pair of DCF180 wall mounted photocells (Page 139)
- 7** AJ91112/3 / Gear rack





SWING GATE SYSTEMS.

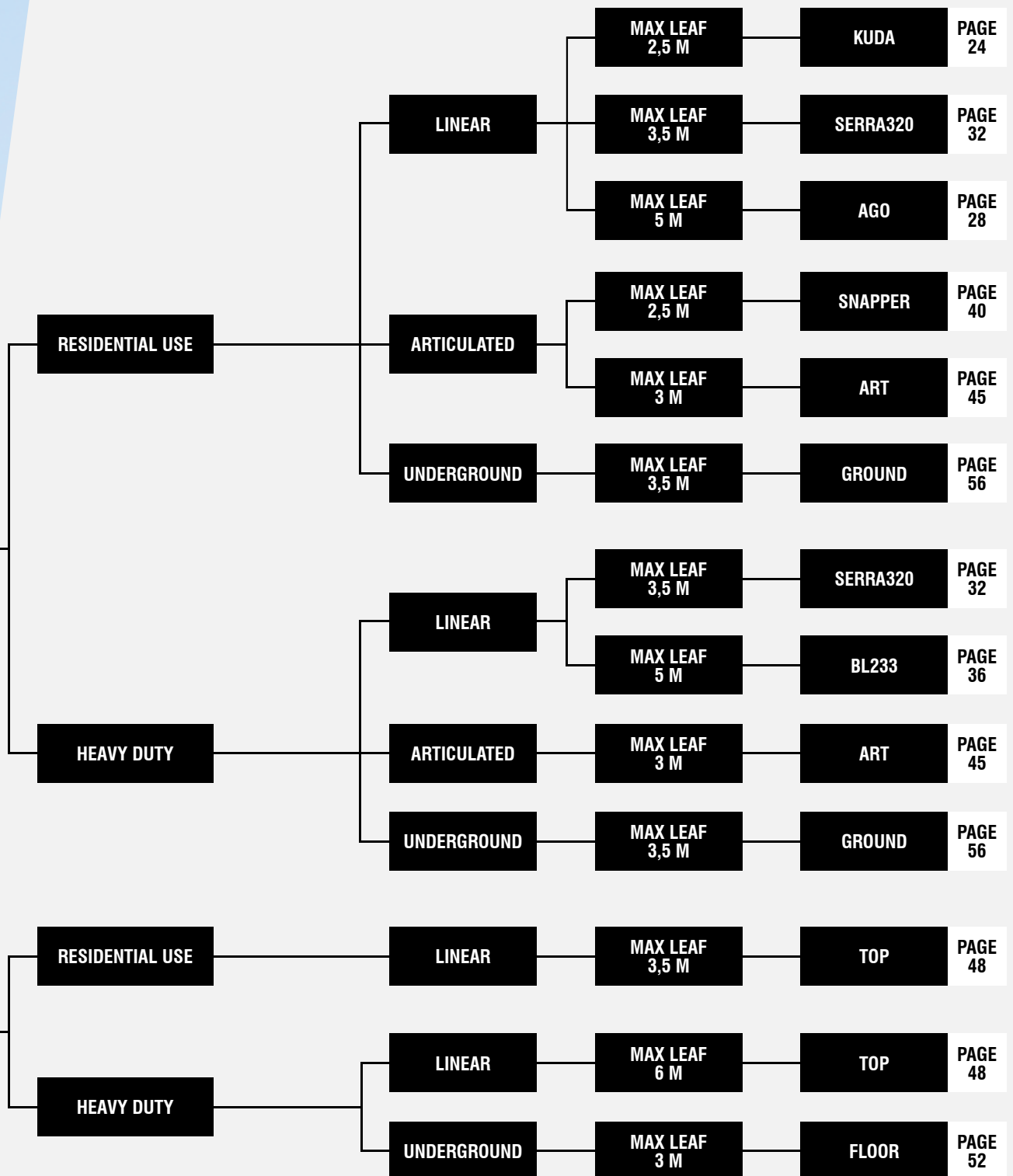
22

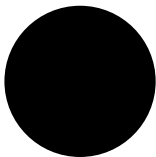


ELECTROMECHANICS

HYDRAULICS

FOTO AUTOMATIC GATES ▶





SWING GATE SYSTEMS.

24

KUDA

24V

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 to manage a high and adjustable speed of movement.

TECHNOLOGICAL AND SAFE

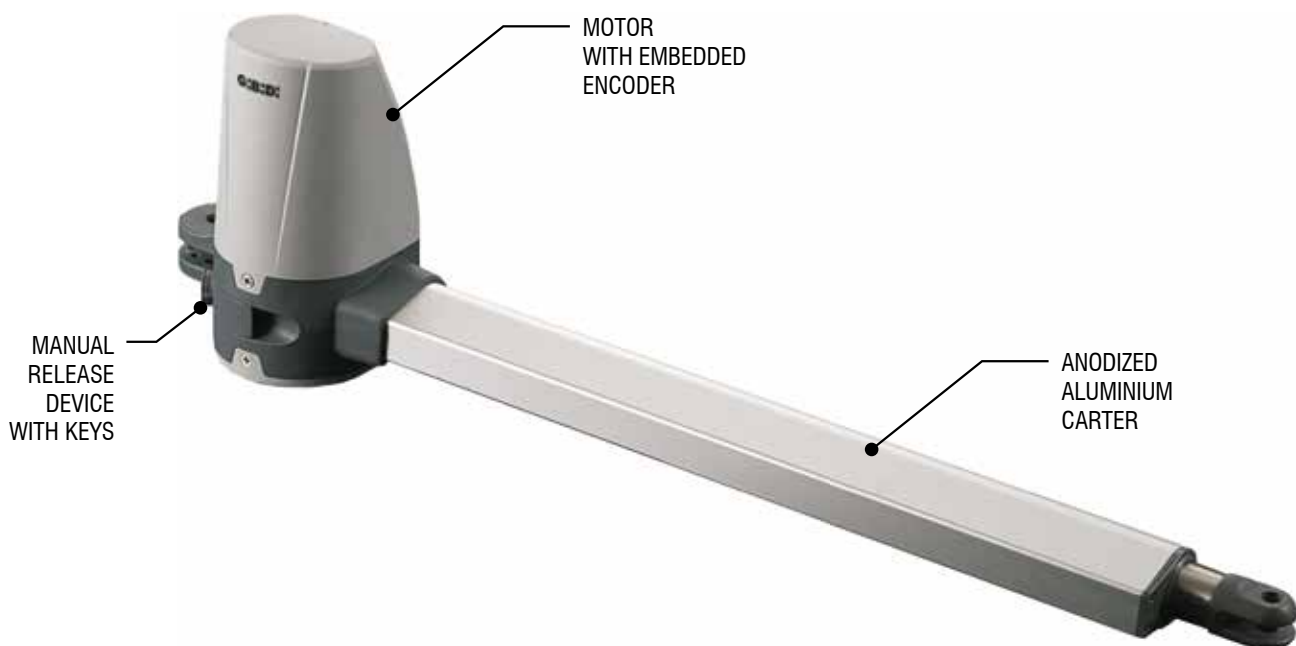
Built-in cutting edge encoder technology. Thanks to the GIBIDI control unit provided with all the inputs for safety devices, included the encoder sensor for the adjustment of the integrated anti-crushing sensitivity it is possible to meet the highest safety level, as provided in EN 12453 standards.

DESIGN

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

ANTI BLACK-OUT

By the practical optional battery kit, it can grant gate operation even in case of black-out.



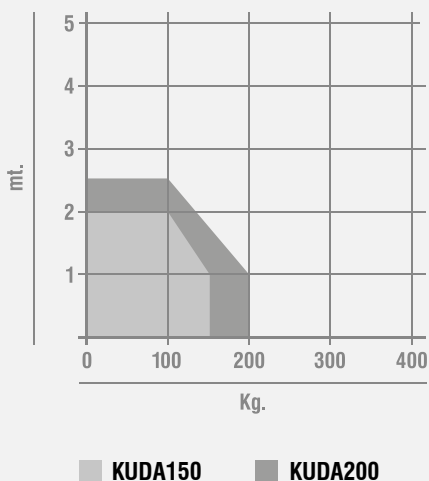
TECHNICAL FEATURES

	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

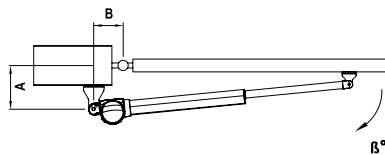
* In case of blind leaf or wind presence or leaf over 2.5m, the use of the electric lock is highly suggested

** by the use of the BE24 control board

APPLICATION DIAGRAM

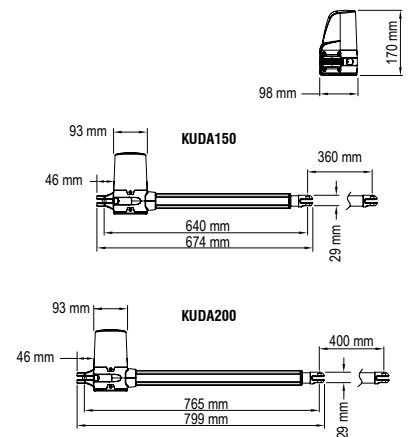


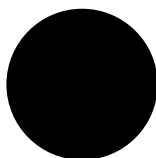
INSTALLATION MEASURES



	B	A	B
KUDA150	90°	180	180
KUDA150	110°	160	160
KUDA200	90°	200	200
KUDA200	110°	190	190

DIMENSIONS





SWING GATE SYSTEMS.

26

KUDA

24V

						Cod.
1A	KUDA150SX	KUDA 150 - left hand operator	EN	1	28	15000/SX
1A	KUDA150DX	KUDA 150 - right hand operator	EN	1	28	15000/DX
1B	KUDA200SX	KUDA 200 - left hand operator	EN	1	20	22000/SX
1B	KUDA200DX	KUDA 200 - right hand operator	EN	1	20	22000/DX

ACCESSORIES



AJ01483
Battery back kit
for BE24 board



AJ00642
24V electric-lock
(see pag. 146 for the
counter plate model)

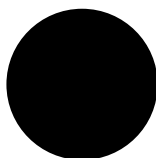


P9AH06010
Spare keys for
KUDA release device

CONTROL UNITS



For 1 or 2 motors
AS05870 (BE24)
See page 116



SWING GATE SYSTEMS.

28

AGO

230-24V

Electromechanical operator in 230Vac and 24Vdc 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

24Vdc 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.

ANTI BLACK-OUT

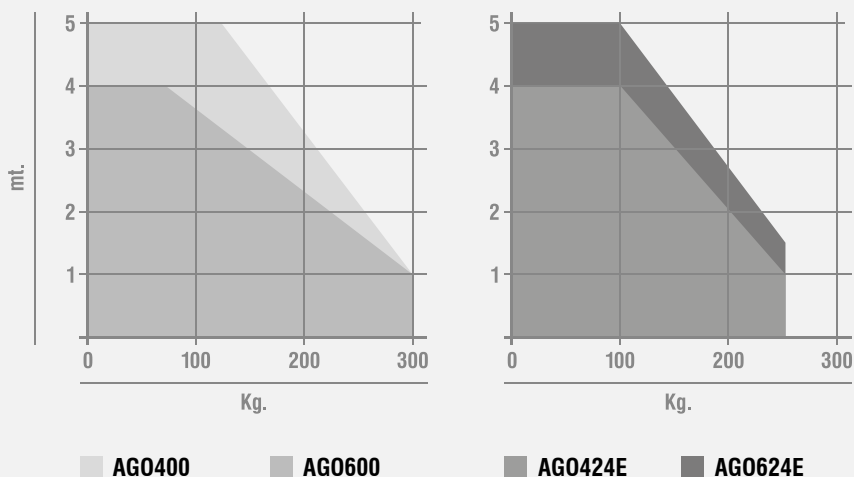
By the practical optional battery kit, it can grant gate operation even in case of black-out.



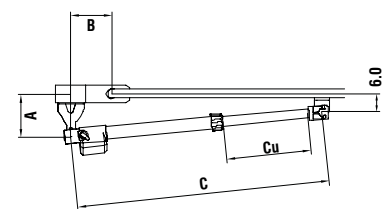
TECHNICAL FEATURES

	AGO400	AGO600	AGO424E	AGO624E
Type of use	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL	RESIDENTIAL
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	4 m	5 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

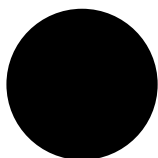
APPLICATION DIAGRAM



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



SWING GATE SYSTEMS.

30

AGO

230-24V

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

ACCESSORIES



AJ01483
Battery back kit
for BE24 board



AJ00642
24V electric-lock
(see page 146 for the
counter plate model)

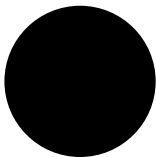
CONTROL UNITS



For 1 or 2 motors
AS05950 (F4 PLUS)
See page 110



For 1 or 2 motors
AS05870 (BE24)
See page 116



SWING GATE SYSTEMS.

32

SERRA320

24V

Electromechanical operator in 24Vdc 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 to manage 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.

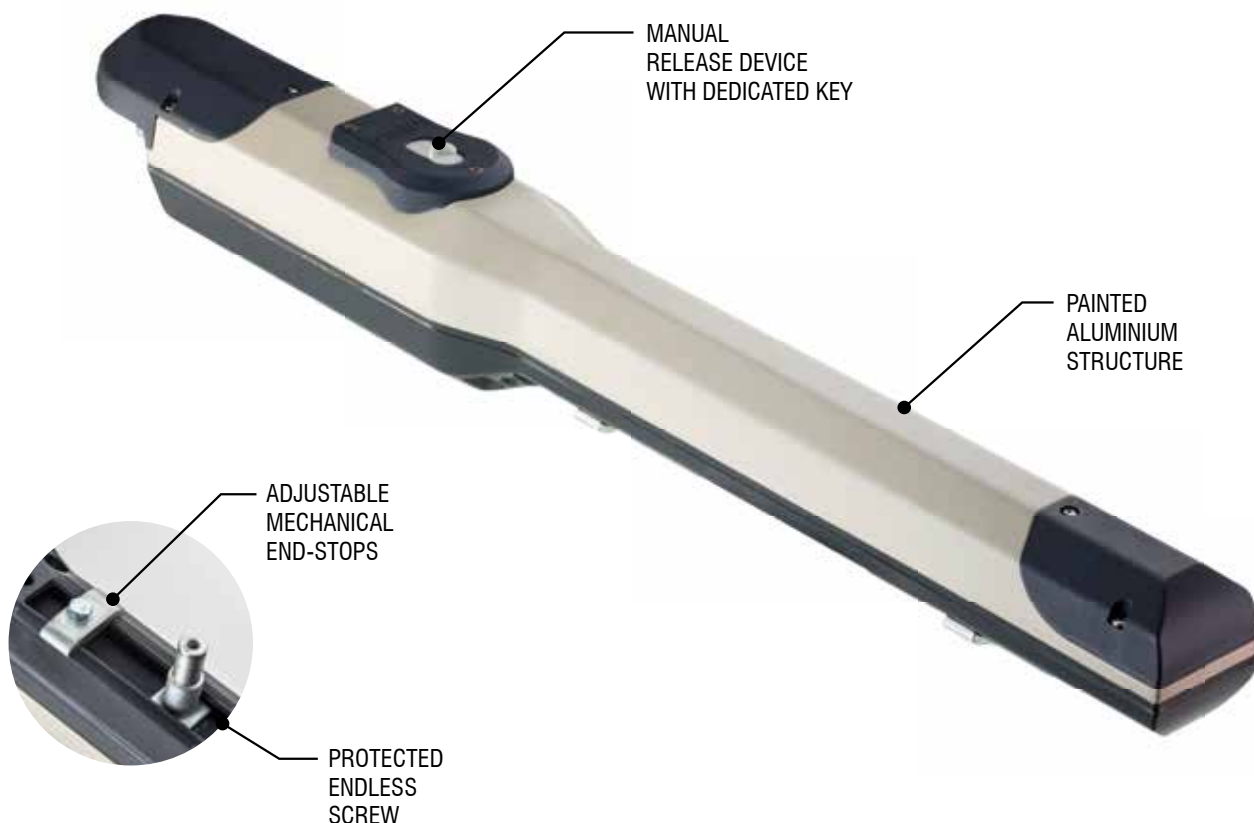
GIBIDI control units with the function of anti-crushing sensitivity adjustment integrated allow to reach the highest level of safety, as established by EN 12453 standard.

DESIGN

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

ANTI BLACK-OUT

By the practical optional battery kit, it can grant gate operation even in case of black-out.



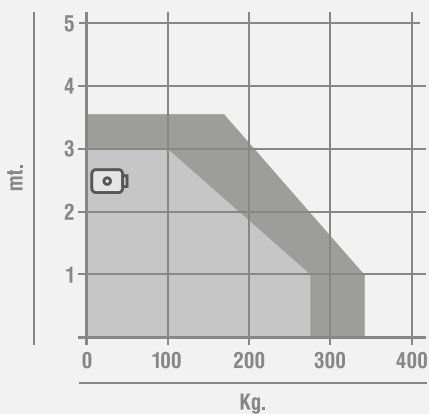
TECHNICAL FEATURES

	SERRA320
Type of use	INTENSIVE
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 2.5m, the use of the electric lock is highly suggested

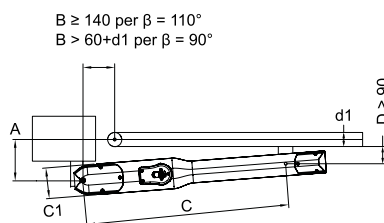
** by the use of the BE24 control board

APPLICATION DIAGRAM



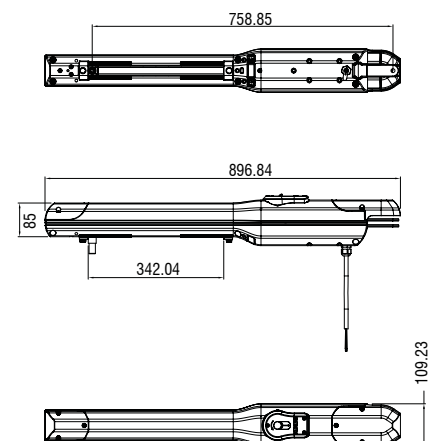
■ Suggested application ■ Max application
 ☐ Electric-lock

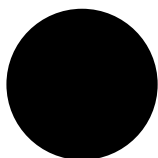
INSTALLATION MEASURES



	β	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.

34

SERRA320

24V

1 SERRA320 With embedded encoder

EN



1



50

Cod.

15840

ACCESSORIES



AJ00511
Metal counter plate
for standard brackets



AJ01570
set of adjustable
brackets for weldless
applications



AJ01483
Battery back kit
for BE24 board



For 1 or 2 motors
AS05870 (BE24)
See page 116



AJ00642
24V electric-lock
(see pag. 146 for the
counter plate model)

SERRA320

KIT

35



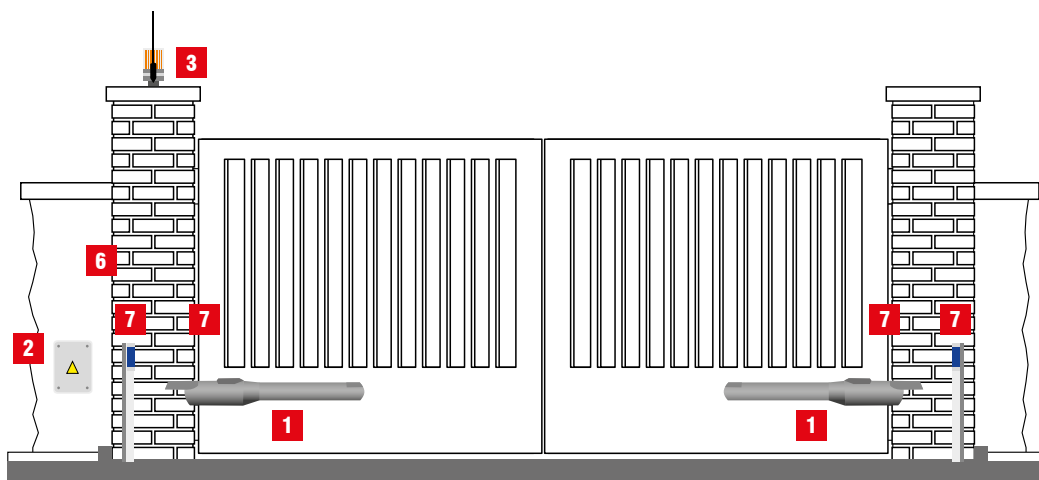
Cod.

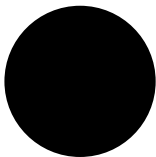
KIT SERRA320 **1** x2 **2** x1 **3** x1 **4** x1 **5** x2 **6** x1 **7** x1 **8** x1 **EN** 1 15 K320/BFSLT

INCLUDED IN THE KIT:

- 1** SERRA320
- 2** For 1 or 2 motors **AS05870** (BE24). See page 116
- 3** Complete flashlight device (Page 135)
- 4** Embedded radio receiver board
- 5** **AU03100** / MAKO remote control - 433Mhz (Page 129)
- 6** **AU01940** / Wall mounted key selector model DCS100 (Page 139)
- 7** **AU02250** / Pair of DCF180 wall mounted photocells (Page 139)
- 8** **AJ75800** / Gate warning plate (Page 146)

INSTALLATION LAY-OUT





SWING GATE SYSTEMS.

36

BL233

230V

Electromechanical operator in 230 Vac with limit switches, for swinging gates of medium and big size and weight, for heavy use.

EASY TO INSTALL

Motor and limit switches already cabled, reinforced fixing brackets included.

SILENT AND FAST

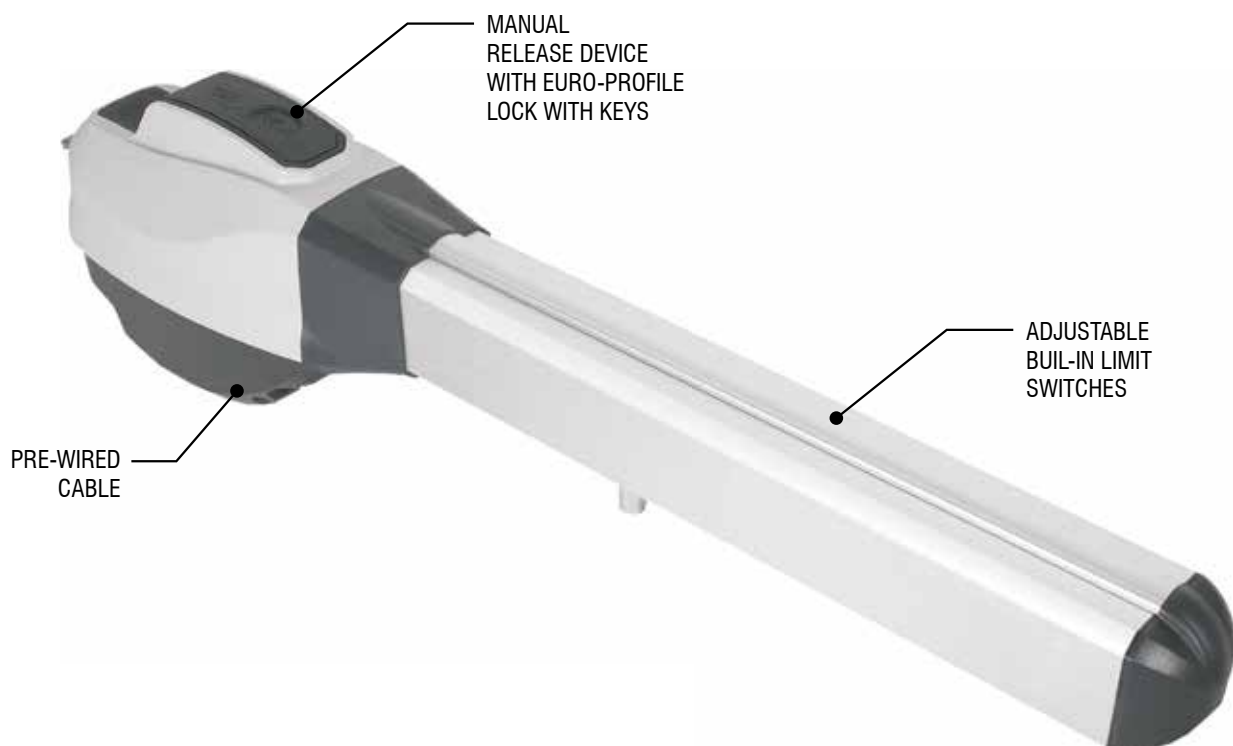
Made with gears in steel and bronze-aluminium, tension rods in stainless steel and motor with special winding for more silence and heavy use.

TECHNOLOGICAL AND SAFE

The special winding of the stator allows to obtain a heavy service as any other product in 230Vac in the market. It is provided with an unlocking device with personalized key with European profile to manually open in case of black-out.

QUALITY AND RELIABILITY

A choice of materials without compromises. Body in die-cast aluminium at high density, 4 reinforced tension rods in stainless steel, gears in steel and bronze-aluminium, safety mechanical stops built-in. Powerful, silent and ready to work for many years.



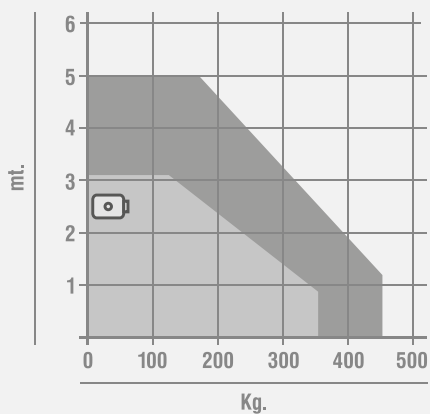
TECHNICAL FEATURES

	BL233
Type of use	INTENSIVE
Frequency of use	40%
Motor power supply	230 Vac - 50/60 Hz
Absorbed power	200W
Protection degree	IP53
Rod speed	16 mm/s
Max rod stroke	500 mm
Max thrust force	3000 N
Adjustable force	ELECTRONIC
Adjustable speed	SI **
Max leaf width	5 m *
Operating temperature	-20°C + 60°C
Encoder/Limit switch	LIMIT SWITCHES O/C
Type of lubrication	GREASE GBD WH-01
Weight of the unit	11,3 Kg

* in case of blind leaf or wind presence or leaf over 2.5m, the use of the electric lock is highly suggested

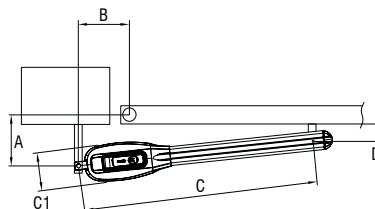
** by the use of the BA230 control board

APPLICATION DIAGRAM



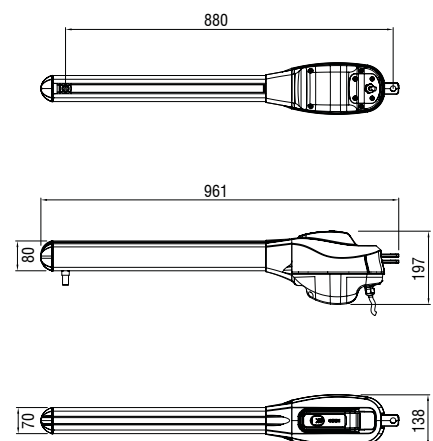
■ Suggested application ■ Max application
 ☐ Electric-lock

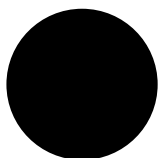
INSTALLATION MEASURES



	B	A	B	C	D	C1
BL233	90°	220	200	860	150	139x197
BL233	90°	240	240	872	150	139x197
BL233	110°	180	200	870	120	139x197

DIMENSIONS





SWING GATE SYSTEMS.

38

BL233

230V



1



12

Cod.

13300

1 BL233

Embedded open and close limit switches

ACCESSORIES



AJ00511
Metal counter plate
for standard brackets



AJ00632
12V electric-lock
(see pag. 146 for the
counter plate model)

CONTROL UNITS



For 1 motor
AS05060 (BA100)
See page 112



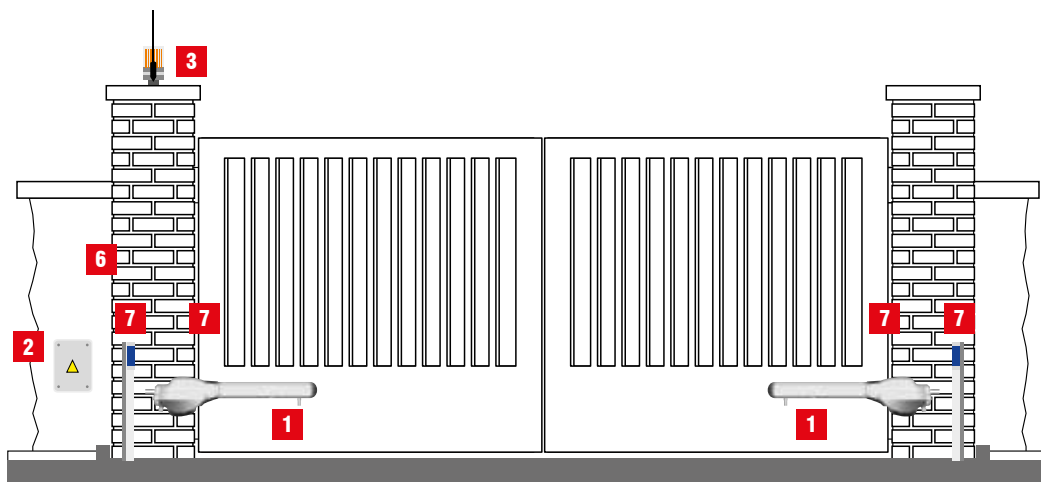
For 1 or 2 motors
AS05581 (BA230)
See page 111

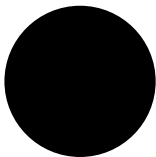


For 1 or 2 motors
AS05950 (F4 PLUS)
See page 110

INSTALLATION LAY-OUT

- | | |
|--|--|
| 1 BL233 | 4 radio receiver board |
| 2A AS05060 / BA100 control unit (Page 112) | 5 AU03100 / MAKO remote control - 433Mhz (Page 129) |
| 2B AS05950 / F4 PLUS control unit (Page 110) | 6 AU01940 / Wall mounted key selector model DCS100 (Page 139) |
| 2C AS05581 / BA230 control unit (Page 111) | 7 AU02250 / Pair of DCF180 wall mounted photocells (Page 139) |
| 3 70710 Complete flashlight device (Page 135) | 8 AJ75800 / Gate warning plate (Page 146) |





SWING GATE SYSTEMS.

40

SNAPPER

24V

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 to manage a high and adjustable speed of movement.

TECHNOLOGICAL AND SAFE

Built-in cutting edge 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.

ANTI BLACK-OUT

By the practical optional battery kit, it can grant gate operation even in case of black-out.



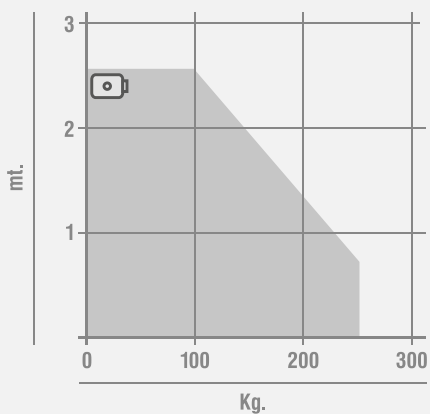
TECHNICAL FEATURES

	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 2.5m, the use of the electric lock is highly suggested

** by the use of the BE24 control board

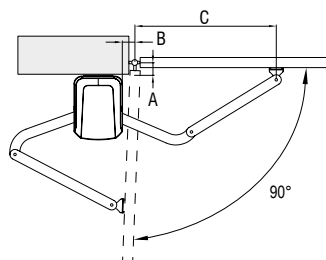
APPLICATION DIAGRAM



Electric-lock

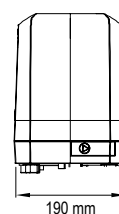
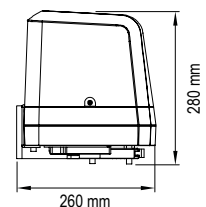
Suggested application

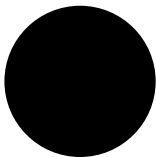
INSTALLATION MEASURES



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

DIMENSIONS





SWING GATE SYSTEMS.

42

SNAPPER

230V

				Cod.
1A	SNAPPER-1 With embedded BE24* control unit	1	40	SNAPPER-1
1B	SNAPPER-0 Operator only	1	40	SNAPPER-0

! Articulated arm not included

* With embedded radio receiver board

ACCESSORIES



AJ30910
Articulated arm
380 x 430 mm



AJ00642
24V electric-lock
(see pag. 146 for the
counter plate model)



AJ01600
Battery back kit
for SNAPPER

CONTROL UNITS



For 1 or 2 motors
AS05870 (BE24)
See page 116



AJ01590
Spare keys
for SNAPPER



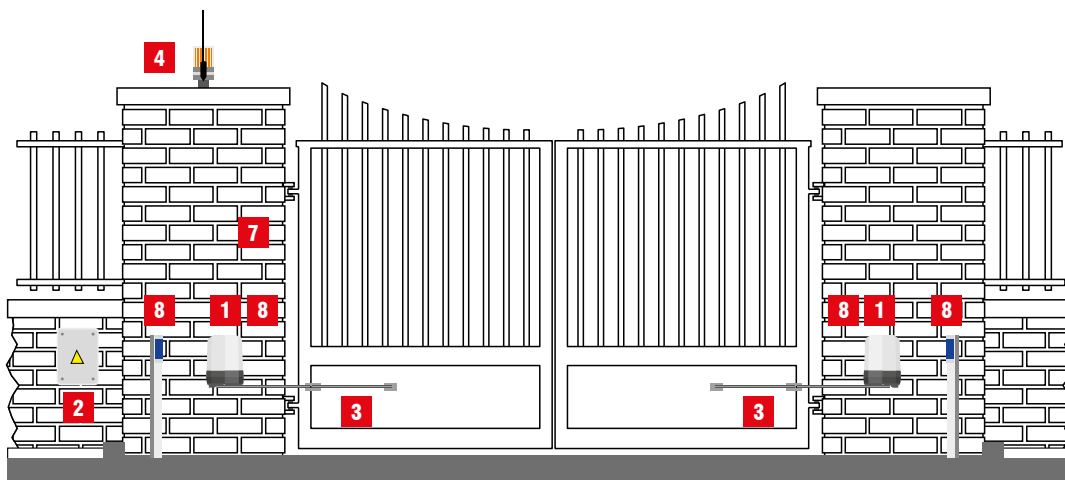
Cod.

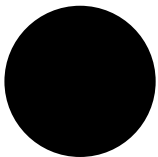
KIT SNAPPER	1A x1	1B x1	2 x1	3 x2	4 x1	5 x1	6 x2	7 x1	8 x1	9 x1		1	24	K454/BFSLT
-------------	--------------	--------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	-------------	--	---	----	------------

INCLUDED IN THE KIT:

- 1A** SNAPPER-1
- 1B** SNAPPER-0
- 2** For 1 or 2 motors **AS05870** (BE24). See page 116
- 3** **AJ30910** / Articulated arms
- 4** Complete flashlight device (Page 135)
- 5** Embedded radio receiver board
- 6** **AU03100** / MAKO remote control - 433Mhz (Page 129)
- 7** **AU01940** / Wall mounted key selector model DCS100 (Page 139)
- 8** **AU02250** / Pair of DCF180 wall mounted photocells (Page 139)
- 9** **AJ75800** / Gate warning plate (Page 146)

INSTALLATION LAY-OUT





SWING GATE SYSTEMS.

44

ART

230-24V

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 is completely built in steel and bronze-aluminium, is robust and reliable over time. You can use the special wall selector with remote motor unlocking device.

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

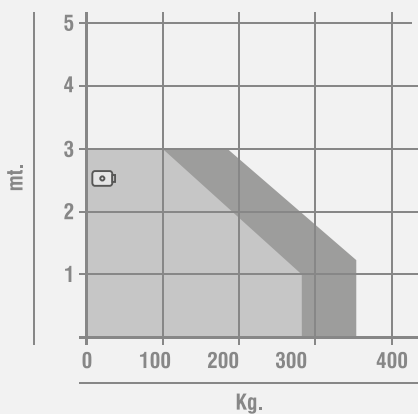
TECHNICAL FEATURES

	ART5000	ART5024
Type of use	RESIDENTIAL	INTENSIVE
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 force	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 2.5m, the use of the electric lock is highly suggested

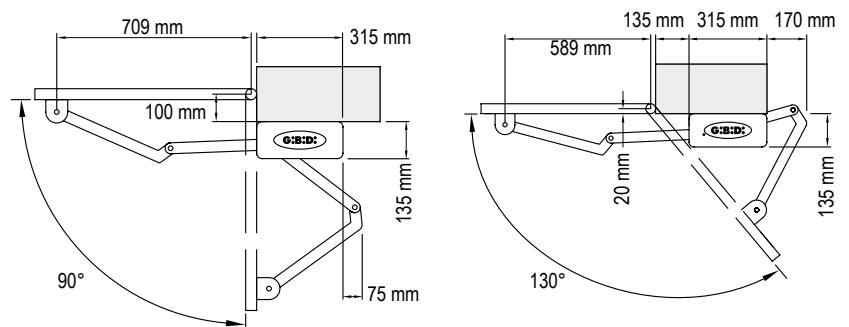
** by the use of the BA230 for ART5000 and BA24 for ART5024 control board

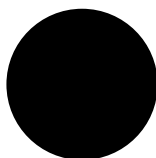
APPLICATION DIAGRAM



■ Suggested application ■ Max application
 □ Electric-lock

INSTALLATION MEASURES AND DIMENSIONS





SWING GATE SYSTEMS.

46

ART

230-24V

					Cod.
1A	ART5000	With open and close limit switches	1	30	30510
1B	ART5024	With open and close limit switches	1	30	30524

EN

! Articulated arm not included

ACCESSORIES

CONTROL UNITS



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)



For ART5000
AS05950 (F4 PLUS)
See page 110



For ART5000
AS05581 (BA230)
See page 111



AJ01482
Battery back kit for BA24 control board



AJ00632
12V electric-lock
(see pag. 146 for the counter plate model)



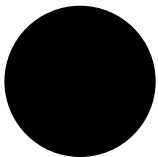
AJ00642
24V electric-lock
(see pag. 146 for the counter plate model)



For ART5000
AS05060 (BA100)
See page 112



For ART5024
AS05591 (BA24)
See page 113



SWING GATE SYSTEMS.

48

TOP

230V

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-charged and adjusted in our factory, ready to be used, no blow-down valve or oil to level. Fixing brackets included.

SILENT AND FAST

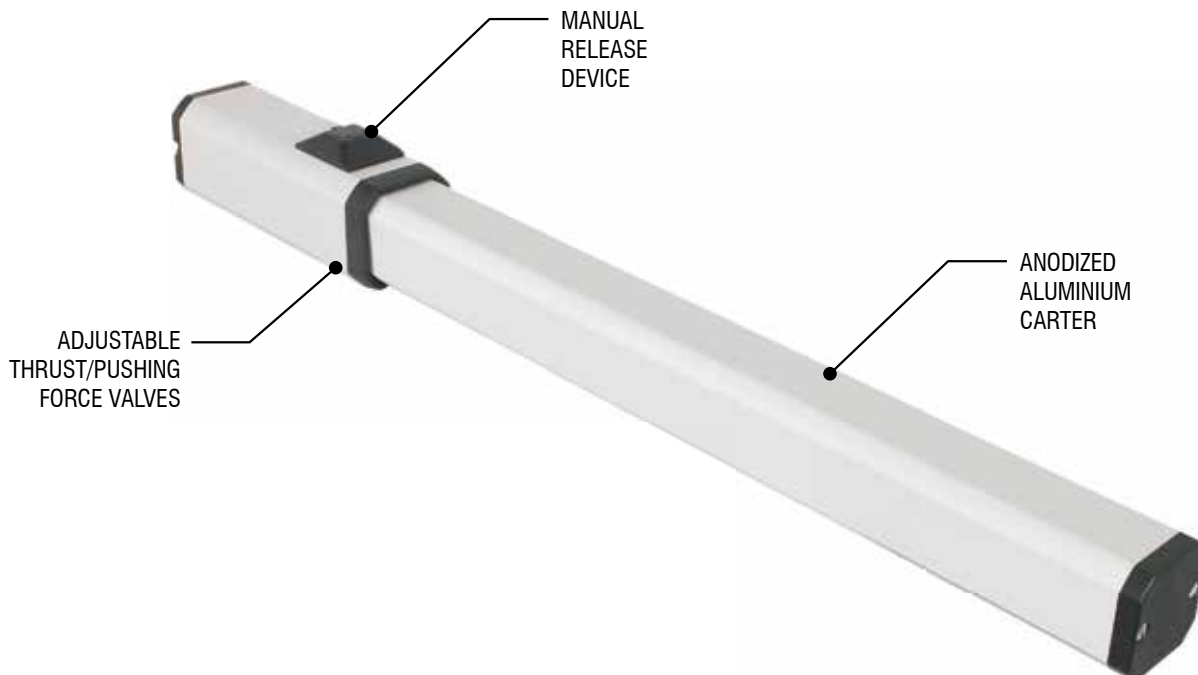
Extremely silent. Available also with fast hydraulic pump, for whom wants to extremely reduce opening and closing times.

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.



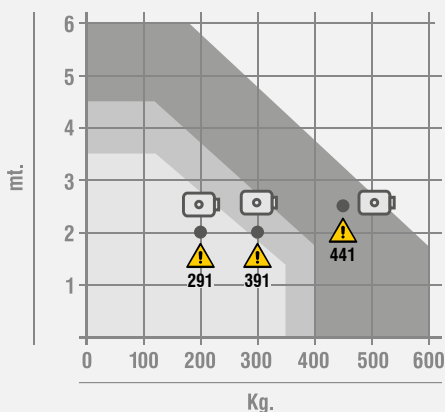
TECHNICAL FEATURES

	TOP291	TOP391	TOP441	TOP291/S	TOP391/S	TOP441/S
Type of use	RESIDENTIAL	INTENSIVE	INTENSIVE	RESIDENTIAL	INTENSIVE	INTENSIVE
Frequency of use	30%	50%	50%	30%	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 2.5m, the use of the electric lock is highly suggested

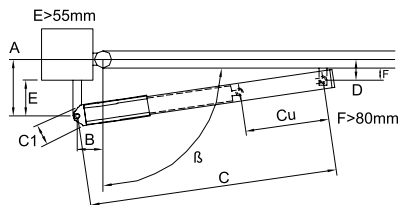
** by the use of the BA230 control board

APPLICATION DIAGRAM



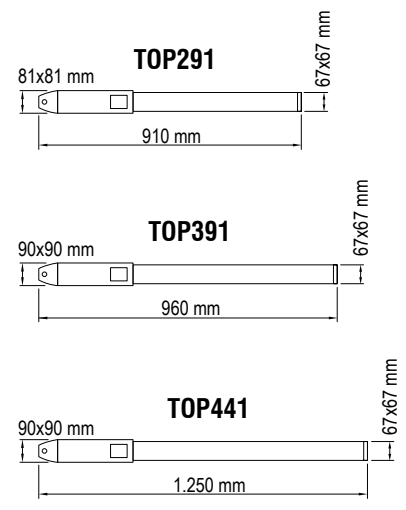
TOP291
 TOP391
 TOP441
 Electric-lock
 = BAC Limit

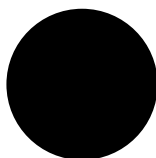
INSTALLATION MEASURES



	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





SWING GATE SYSTEMS.

50

TOP

230V

				Cod.	
1	TOP291	BAC, leaf up to 2,0 m	1	32	29200
	TOP291	SLAC*, leaf up to 3,5 m	1	32	29201
	TOP291	SLA/BA*, leaf up to 3,5 m	1	32	29204
	TOP391	BAC, leaf up to 2,0 m	1	32	39200
	TOP391	SLAC*, leaf up to 4,5 m	1	32	39201
	TOP391	SLA/BA*, leaf up to 4,5 m	1	32	39204
	TOP441	BAC, leaf up to 2,5 m	1	32	44200
	TOP441	SLAC*, leaf up to 6,0 m	1	32	44201
	TOP441	SLA/BA*, leaf up to 6,0 m	1	32	44204
	TOP291/S	BAC, leaf up to 2,0 m - fast model	1	32	29200/S
	TOP291/S	SLAC*, leaf up to 3,5 m - fast model	1	32	29201/S
	TOP291/S	SLA/BA*, leaf up to 3,5 m - fast model	1	32	29204/S
	TOP391/S	BAC, leaf up to 2,0 m - fast model	1	32	39200/S
	TOP391/S	SLAC*, leaf up to 4,5 m - fast model	1	32	39201/S
	TOP391/S	SLA/BA*, leaf up to 4,5 m - fast model	1	32	39204/S
	TOP441/S	BAC, leaf up to 2,5 m - fast model	1	32	44200/S
	TOP441/S	SLAC*, leaf up to 6,0 m - fast model	1	32	44201/S
	TOP441/S	SLA/BA*, leaf up to 6,0 m - 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



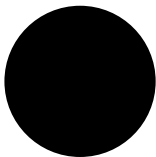
AJ00520
Metal counter plate
for front bracket
of TOP291-391-441



AJ00632
12V electric-lock
(see pag. 146 for the
counter plate model)



Suggested control units:
AS05950 (F4 PLUS)
AS05581 (BA 230)
AS05060 (BA 100)
See pages 110-111-112



SWING GATE SYSTEMS.

52

FLOOR

230-24V

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

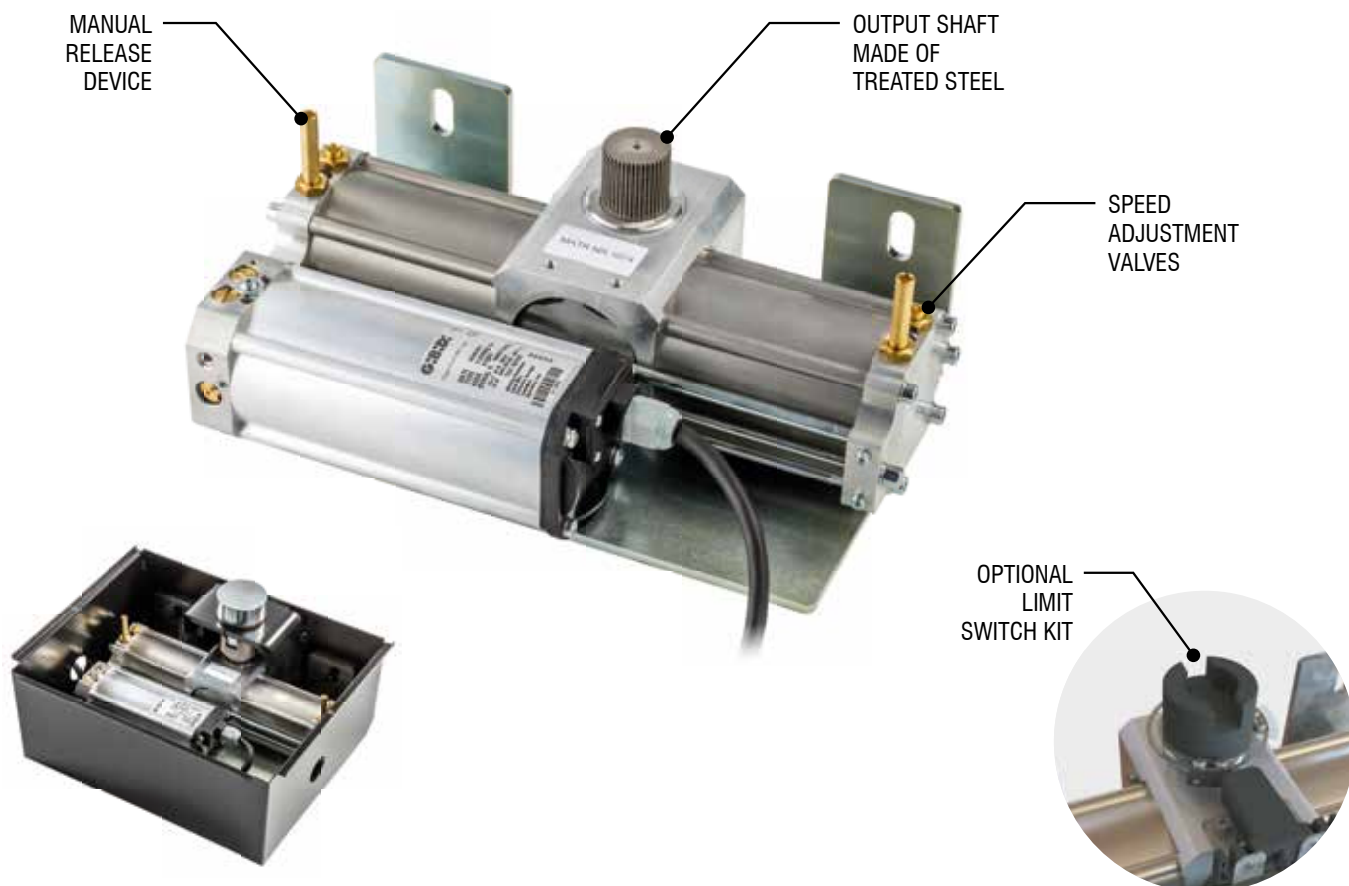
Only 12 s to open the gate! Extremely silent, because of the materials chosen and tidy finishing of the gears. In 24Vdc version it is possible to adjust the opening speed.

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. The unlocking key is with European profile.

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.

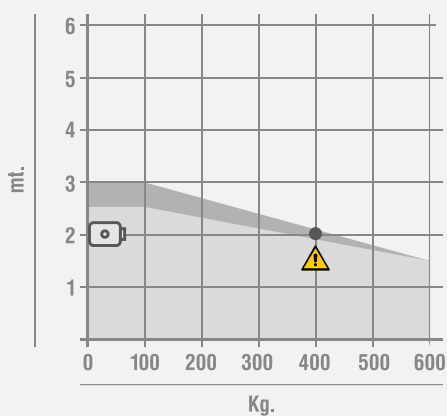


TECHNICAL FEATURES

	FLOOR 230V 150°	FLOOR 230V 180°	FLOOR 24V 150°	FLOOR 24V 180°
Type of use	INTENSIVE	INTENSIVE	INTENSIVE	INTENSIVE
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

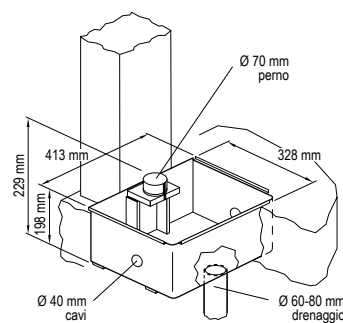
* in case of blind leaf or wind presence or leaf over 2 m, the use of the electric lock is highly suggested

APPLICATION DIAGRAM

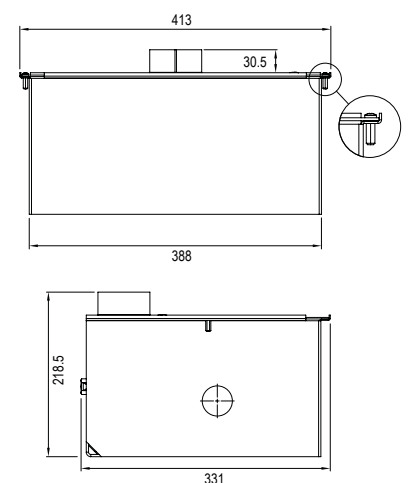


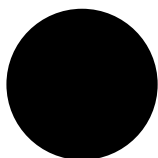
FLOOR 850-854
 FLOOR 880-884
 Electric-lock
 ! = BAC Limit

INSTALLATION MEASURES



DIMENSIONS





SWING GATE SYSTEMS.

54

FLOOR

230-24V

					Cod.
1A	FLOOR 850	230Vac* - max opening 150°	1	30	81500
1B	FLOOR 854	24Vdc* - max opening 150°	1	30	81524
1C	FLOOR 880	230Vac* - max opening 180°	1	30	81800
1D	FLOOR 884	24Vdc* - max opening 180°	1	30	81824

* Irreversible or reversible selection is embedded

ACCESSORIES



AJ49000
Complete self-supporting and painted foundation box with lid



A90916P
optional AISI304 stainless steel lid



AJ01400
optional limit switch kit



For FLOOR850-880
AS05950 (F4 PLUS)
See page 110



For FLOOR850-880
AS05581 (BA230)
See page 111



AJ01410
adapter to use limit switches kit AJ01400 with F4PLUS and BA100 boards



AJ01482
Battery back kit for BA24 control board



AJ00632
12V electric-lock (see pag. 146 for the counter plate model)



AJ00642
24V electric-lock (see pag. 146 for the counter plate model)



For FLOOR850-880
AS05060 (BA100)
See page 112



For FLOOR854-884
AS05591 (BA24)
See page 113

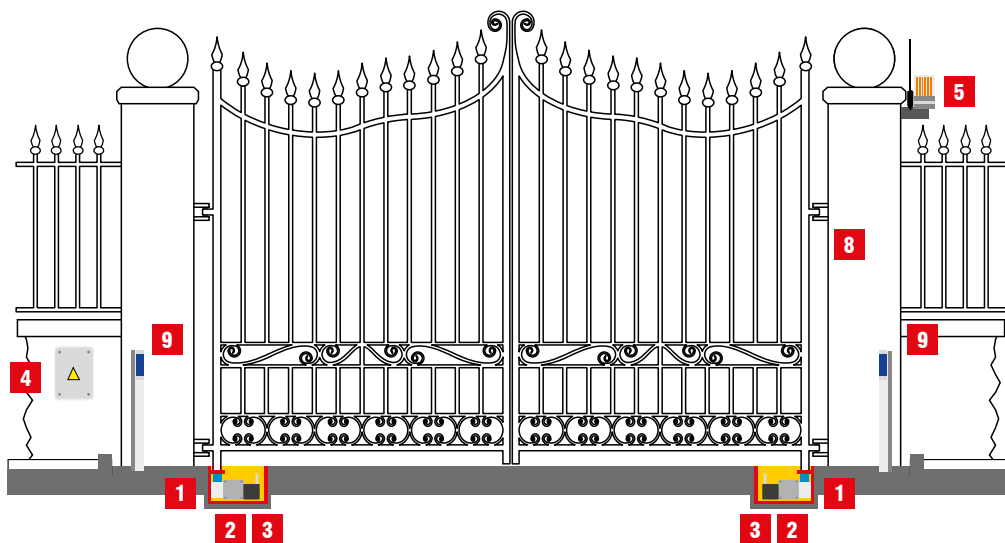
											Cod.											
KIT FLOOR850	1A	x2	2	x2	4A	x1	5	x1	6	x1	7	x2	8	x1	9	x1	10	x1		K870/BFSLT		
KIT FLOOR854	1B	x2	2	x2	3	x2	4B	x1	5	x1	6	x1	7	x2	8	x1	9	x1	10	x1		K875/BFSLT
KIT FLOOR880	1C	x2	2	x2	4A	x1	5	x1	6	x1	7	x2	8	x1	9	x1	10	x1		K880/BFSLT		
KIT FLOOR884	1D	x2	2	x2	3	x2	4B	x1	5	x1	6	x1	7	x2	8	x1	9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

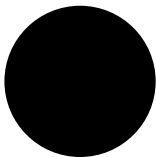
! The kit is supplied in multiple packages

INCLUDED IN THE KIT:

- | | |
|---|--|
| 1 FLOOR 850 - 854 - 880 - 884 | 6 Radio receiver board |
| 2 AJ49000 / Self-supporting painted foundation box | 7 AU03100 / MAKO remote control - 433Mhz (Page 129) |
| 3 AJ01400 / Limit switches kit | 8 AU01940 / Wall mounted key selector model DCS100 (Page 139) |
| 4A AS05950 (FLOOR 850-880) F4 PLUS control unit (Page 110) | 9 AU02250 / Pair of DCF180 wall mounted photocells (Page 139) |
| 4B AS05591 (FLOOR 854-884) BA24 control unit (Page 113) | 10 AJ75800 / Gate warning plate (Page 146) |
| 5 Complete flashlight device (Page 135) | |

INSTALLATION LAY-OUT





SWING GATE SYSTEMS.

56

GROUND

230-24V

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

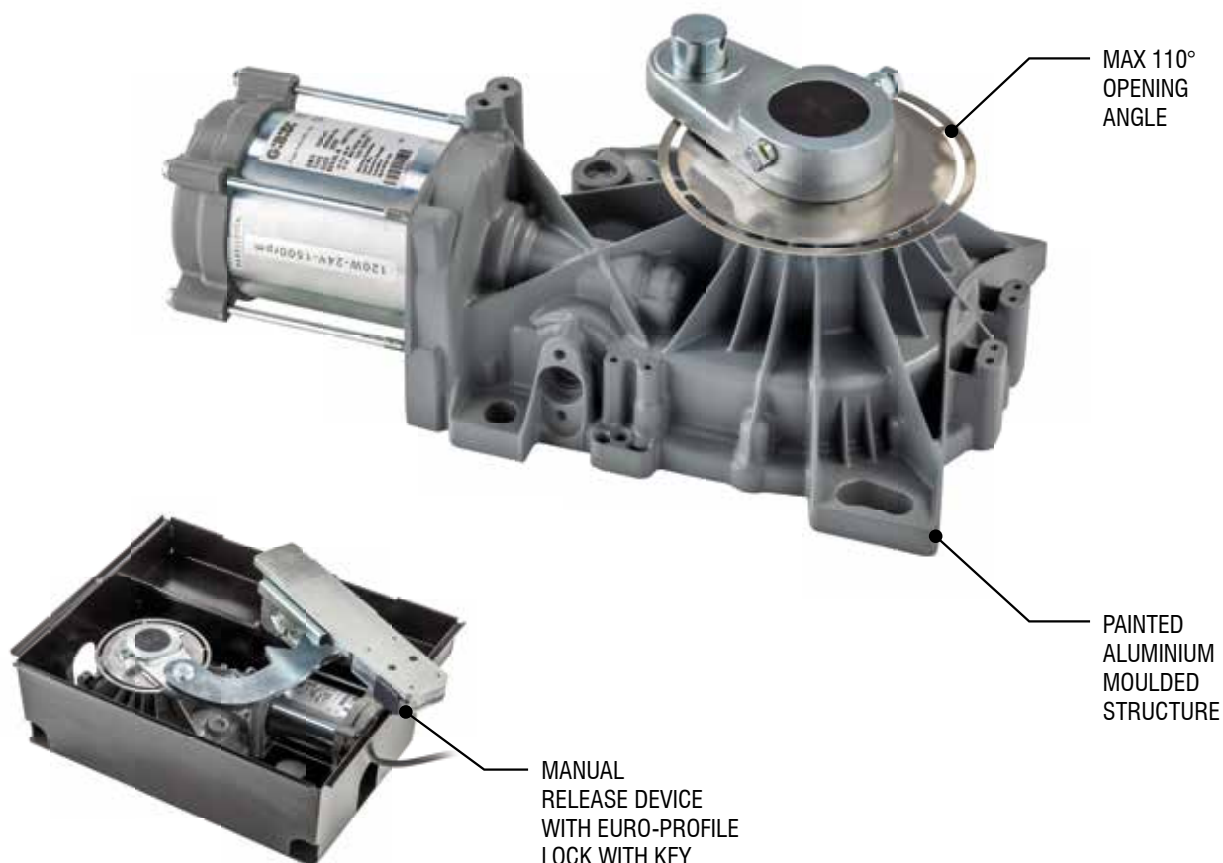
Only 12 s to open the gate! Extremely silent, because of the materials chosen and tidy finishing of the gears. In 24Vdc version it is possible to adjust the opening speed.

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.



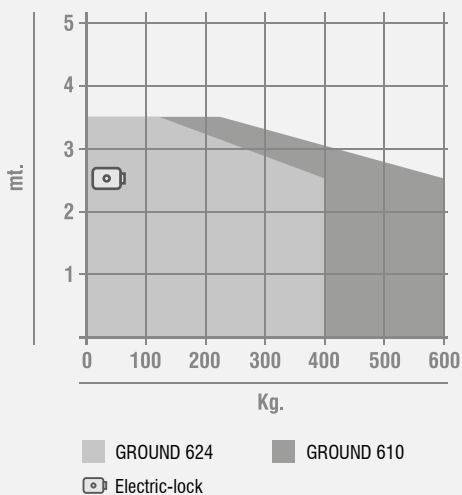
TECHNICAL FEATURES

	GROUND610	GROUND624
Type of use	RESIDENTIAL	INTENSIVE
Frequency of use	30%	INTENSIVE
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	OPTIONAL LIMIT SWITCHES	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

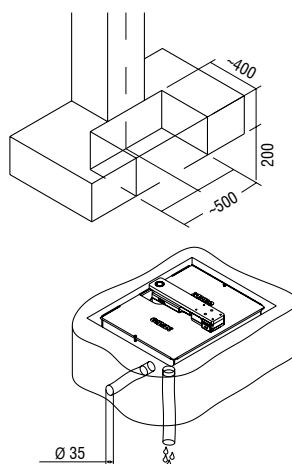
* in case of blind leaf or wind presence or leaf over 2 m, the use of the electric lock is highly suggested

** control units: BA230 for GROUND610, BA24 for GROUND624

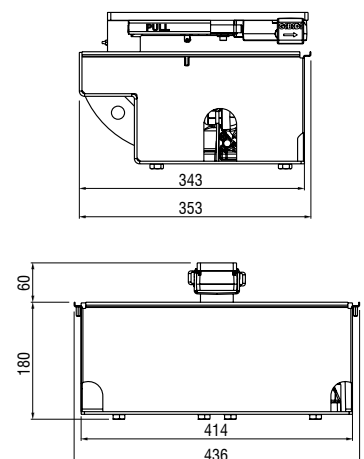
APPLICATION DIAGRAM

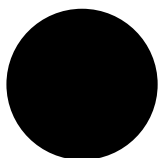


INSTALLATION MEASURES



DIMENSIONS





SWING GATE SYSTEMS.

58

GROUND

230-24V

					Cod.
1A	GROUND 610	230Vac* - without limit switches	1	24	20030
1B	GROUND 624	24Vdc* - with limit switches	1	24	20034

EN

ACCESSORIES



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



AJ00940
Optional limit switch kit



AJ01482
Battery back kit for BA24 control board



AJ00632
12V electric-lock (see pag. 146 for the counter plate model)



AJ00642
24V electric-lock (see pag. 146 for the counter plate model)

CONTROL UNITS



For GROUND610
AS05950 (F4 PLUS)
See page 110



For GROUND610
AS05581 (BA230)
See page 111



For GROUND610
AS05060 (BA100)
See page 112



For GROUND624
AS05591 (BA24)
See page 113

Cod.

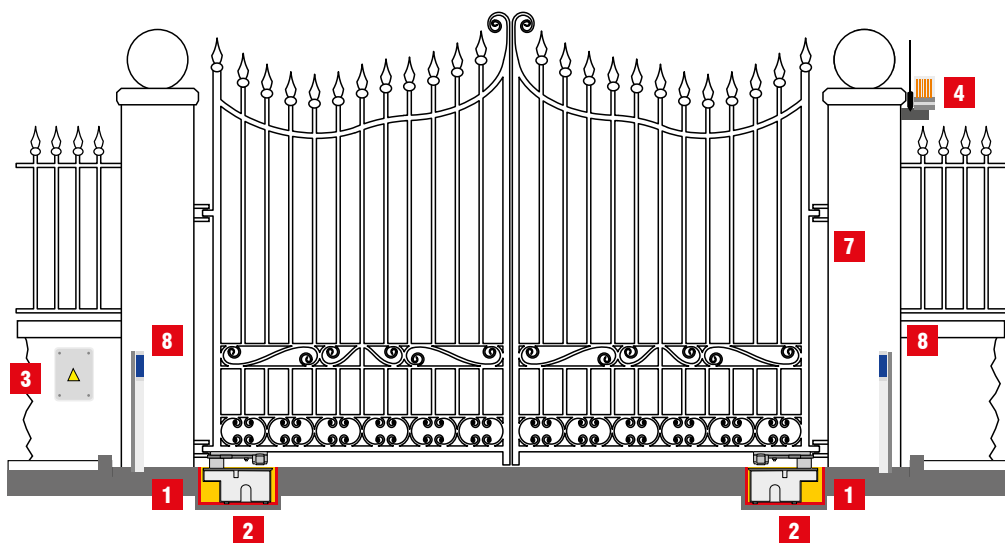
KIT GROUND610	1A	x2	2	x2	3A	x1	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		K608/BFSLT	
KIT GROUND624	1B	x2	2	x2	3B	x1	4	x1	5	x1	6	x2	7	x1	8	x1	9	x1		EN	K625/BFSLT

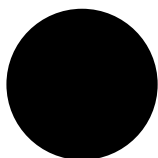
! The kit is supplied in multiple packages

INCLUDED IN THE KIT:

- 1A** GROUND 610
- 1B** GROUND 624
- 2** AJ49300 / Self-supporting painted foundation box
- 3A** AS05950 (For GROUND 610) F4 PLUS control unit (Page 110)
- 3B** AS05591 (For GROUND 624) BA24 control unit (Page 113)
- 4** Complete flashlight device (Page 135)
- 5** Radio receiver board
- 6** AU03100 / MAKO remote control - 433Mhz (Page 129)
- 7** AU01940 / Wall mounted key selector model DCS100 (Page 139)
- 8** AU02250 / pair of DCF180 wall mounted photocells (Page 139)
- 9** AJ75800 / Gate warning plate (Page 146)

INSTALLATION LAY-OUT





GARAGE DOOR SYSTEMS.



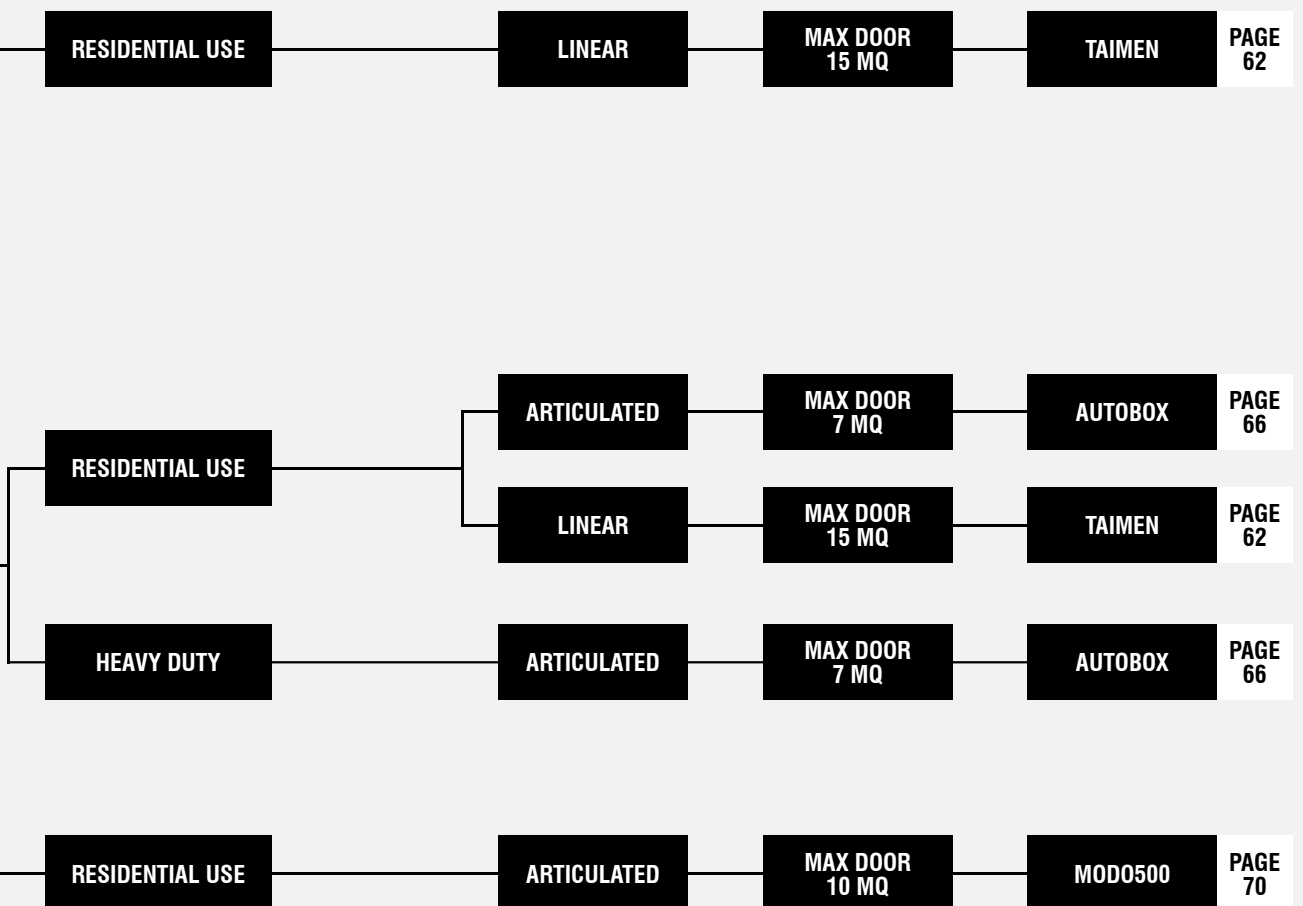
SECTIONAL DOORS

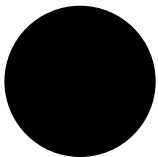
ELECTROMECHANICS

ELECTROMECHANICS

OVERHEAD DOORS

HYDRAULICS





GARAGE DOOR SYSTEMS.

62

TAIMEN

24V

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

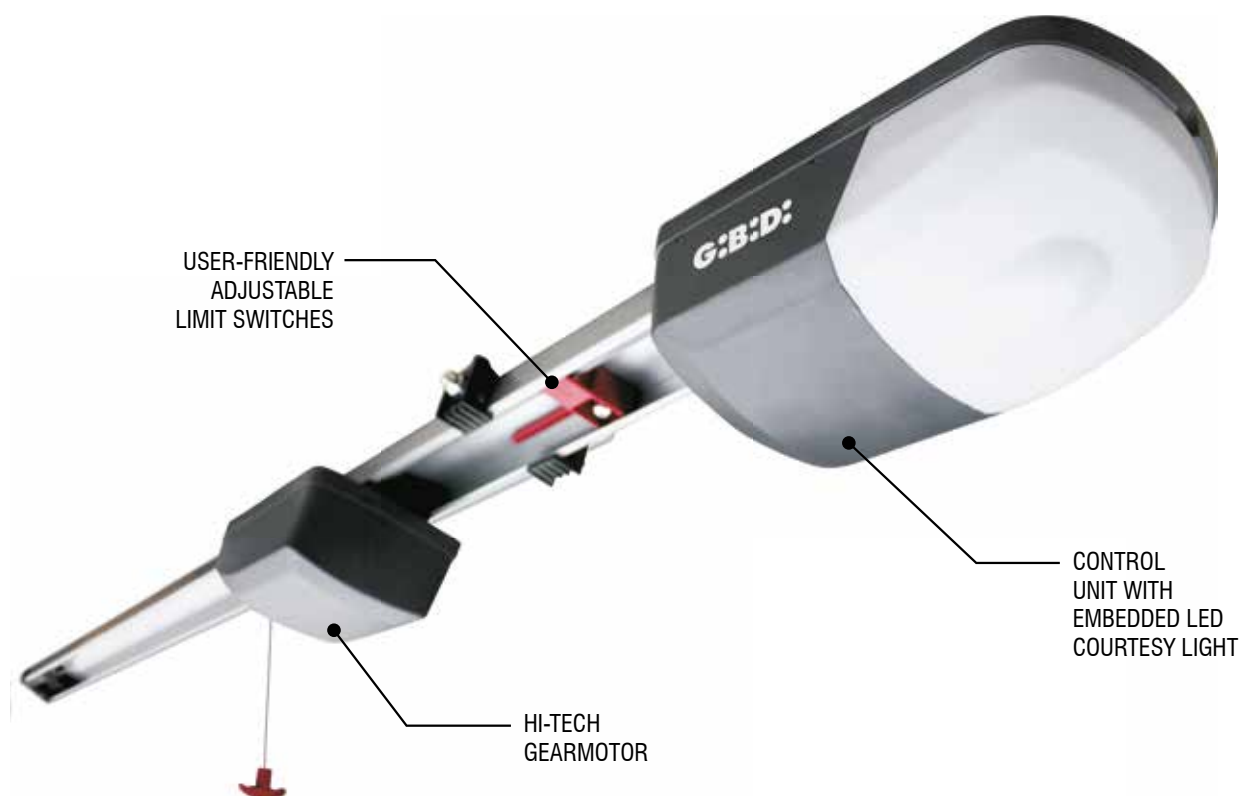
Really silent thanks to the translating motor and the use of high quality materials.

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

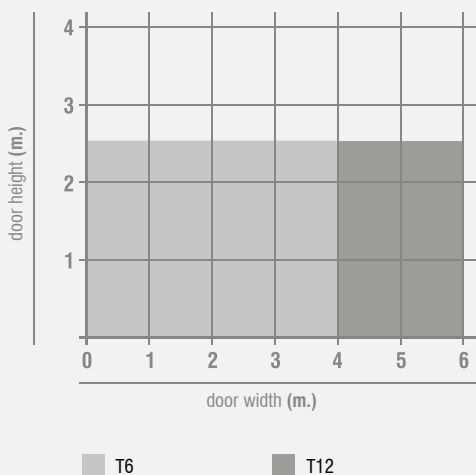
TAIMEN can be provided with the optional battery kit for the emergency opening in case of black-out. Brackets and screws completely painted to keep unchanged the aesthetics of the system for a long time.



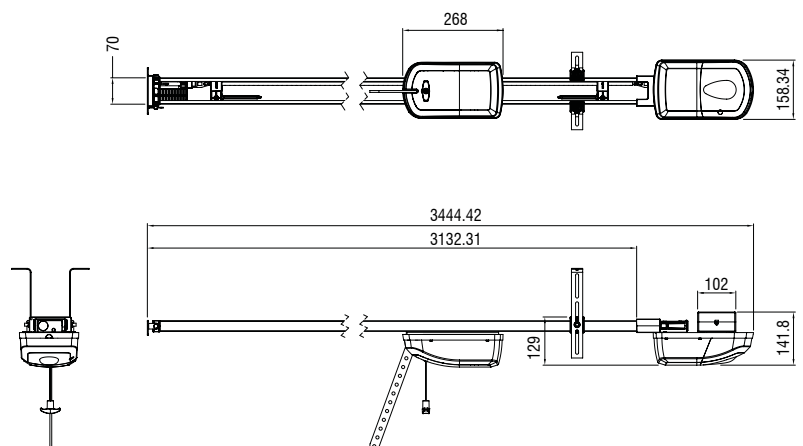
TECHNICAL FEATURES

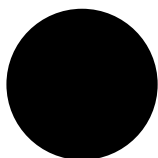
	TAIMEN T6	TAIMEN T12
Type of use	RESIDENTIAL	RESIDENTIAL
Frequency of use	30%	30%
Motor power supply	24 Vdc	24 Vdc
Absorbed power	80W	140W
Protection degree	IP20	IP20
Max torque	600 N	1200 N
Adjustable thrust	ELECTRONIC	ELECTRONIC
Adjustable speed	YES	YES
Max door surface	10 sm	15 sm
Max door height	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 125mm/sec	Adjustable max 125mm/sec
Soft start/stop	YES	YES

APPLICATION DIAGRAM



DIMENSIONS





GARAGE DOOR SYSTEMS.

64

TAIMEN

24V

				Cod.
TAIMEN T6	The kit includes: N° 1 T6 electromechanical drive unit with embedded control unit* and radio receiver, 1 rolling code remote control and fastenings. Arm for counterweight door (AJ00303) not included	1	30	K026/B1
TAIMEN T12	The kit includes: N° 1 T12 electromechanical drive unit with embedded control unit* and radio receiver, 1 rolling code remote control and fastenings. Arm for counterweight door (AJ00303) not included	1	30	K036/B1

* Control unit technical details, see page 124

ACCESSORIES



AJ01450
1 m extension rails for TAIMEN



AJ00303
Adapter arm for overheads with counterweights doors



AJ01455
additional rail support brackets



AJ01460
external release device (door mounting)



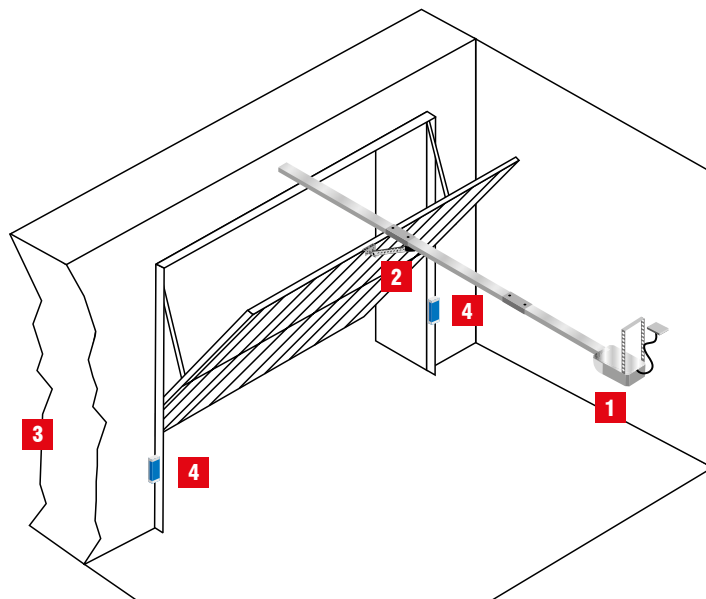
AJ01470
6 m extension cable with rail joint

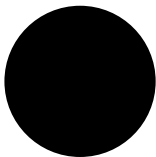


AJ01510
Battery back-up kit for TAIMEN

INSTALLATION LAY-OUT

- 1** TAIMEN
- 2** AJ00303 / Counterweight doors arm
- 3** AU01940 / Wall mounted key selector model DCS100 (Page 139)
- 4** AU02250 / Pair of DCF180 wall mounted photocells (Page 139)
- 5** AU03100 / MAKO remote control - 433Mhz (Page 129)





GARAGE DOOR SYSTEMS.

66

AUTOBOX

230-24V

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

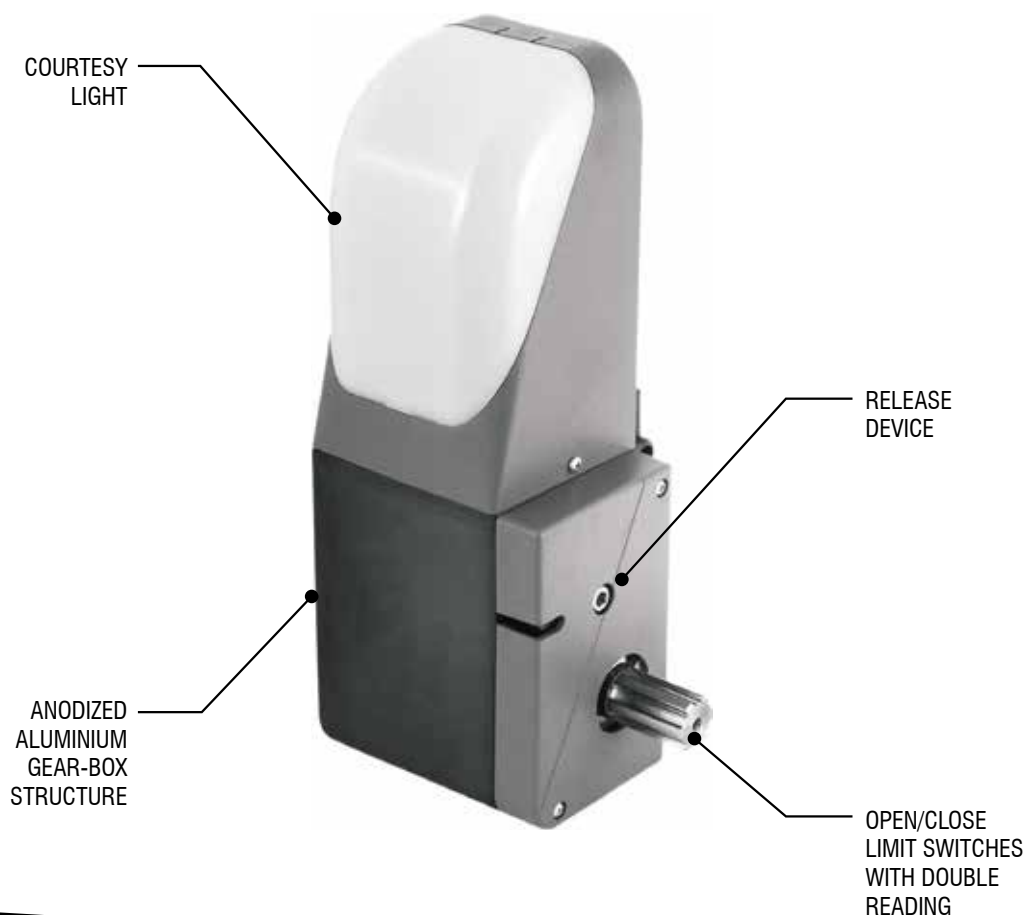
AUTOBOX is built with gears completely in treated steel and bronze-aluminium, assembled and tested in all its functions. In 24Vdc version, speed is adjustable with soft stop function.

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.

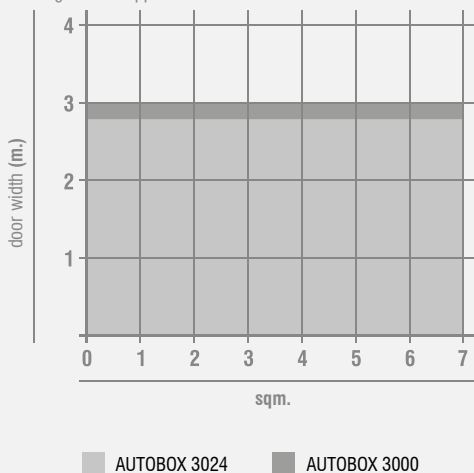


TECHNICAL FEATURES

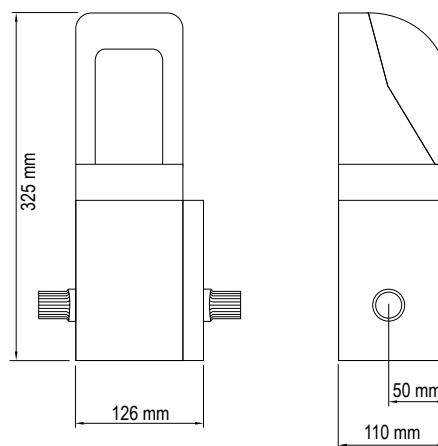
	AUTOBOX 3000	AUTOBOX 3024
Type of use	RESIDENTIAL	INTENSIVE
Frequency of use	30%	40%
Motor power supply	230 Vac - 50/60 Hz	24 Vdc
Absorbed power	200W	100W
Protection degree	IP40	IP40
Shaft rotation speed	7,8°/s	5,6°/s
Max torque	250 Nm	250 Nm
Nominal torque	200 Nm	200 Nm
Adjustable thrust	ELECTRONIC	ELECTRONIC
Max door surface	7 sm	7 sm
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

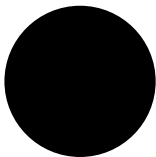
APPLICATION DIAGRAM

Single motor application



DIMENSIONS





GARAGE DOOR SYSTEMS.

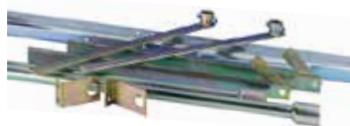
68

AUTOBOX

230-24V

				Cod.
AUTOBOX 3000	230Vac - with open and close limit switches	1	30	50300
AUTOBOX 3024	24vdc - with open and close limit switches	1	30	50300...4

ACCESSORIES



AJ00370
Kit for the installation of 1 motor with straight arms. 2 m longitudinal member



AJ00380
Kit for the installation of 2 motors with straight arms. 2 m longitudinal member

AJ00391
Kit for the installation of 1 motor with curved arms. 2 m longitudinal member

AJ00401
Kit for the installation of 1 motor with curved arms. 2 m longitudinal member

CONTROL UNITS



For AUTOBOX 3000
AS05060 (BA 100)
See page 112



For AUTOBOX 3024
AS05030 (BSC24)
See page 114



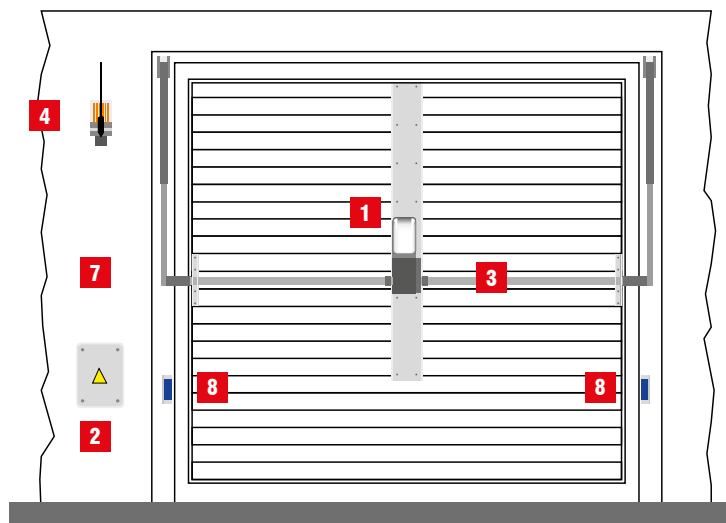
AJ00861
external release device (door mounting)

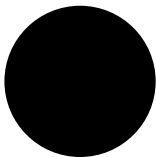


AJ01482
Battery back kit for BSC24 board

INSTALLATION LAY-OUT

- | | |
|---|--|
| 1 AUTOBOX | 5 AU02910 / Receiver board (Page 129) |
| 2A AS05060 (for AUTOBOX 3000) BA 100 control unit (Page 112) | 6 AU03100 / MAKO remote control - 433Mhz (Page 129) |
| 2B AS05030 (for AUTOBOX 3024) BSC 24 control unit (Page 114) | 7 AU01940 / Wall mounted key selector model DCS100 (Page 139) |
| 3 Installation kit (Page 68) | 8 AU02250 / Pair of DCF180 wall mounted photocells (Page 139) |
| 4 70710 / 70724 / complete flashligh device (Page 135) | |





GARAGE DOOR SYSTEMS.

70

MOD0500

230V

Hydraulic operator in 230Vac for counterweight overhead doors of little and medium size, for intensive use.

EASY INSTALLATION

Thanks to the assembling kit on the door, complete with all the accessories.

SILENT AND FAST

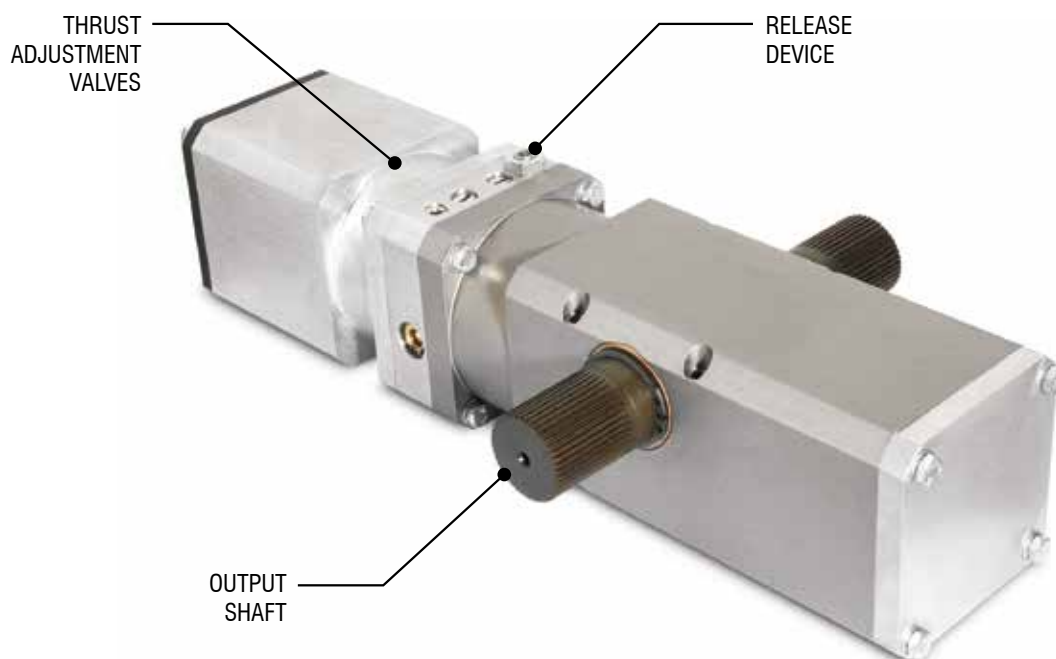
MOD0500 is provided with a special GIBIDI closed-circuit hydraulic technology, is silent and reliable.

TECHNOLOGICAL AND SAFE

Only high quality materials, special treatments of the gears and motor tested to last for a long time. Available with reversible or irreversible system and emergency unlocking device integrated.

A COMPLETE AND RELIABLE RANGE

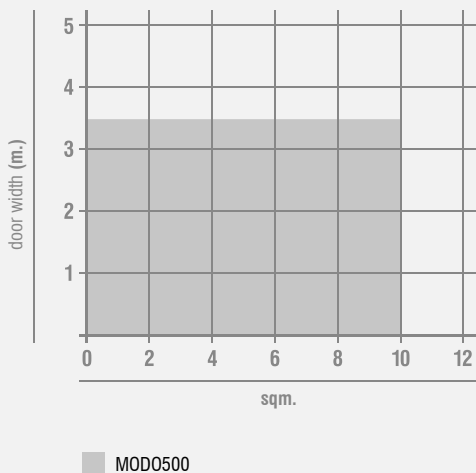
The different typologies of installation kit allow finding a solution for every kind of door.



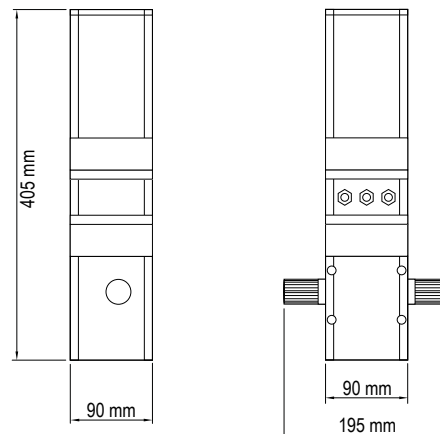
TECHNICAL FEATURES

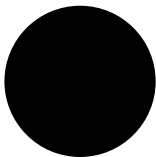
	MODO 500
Type of use	INTENSIVE
Frequency of use	40%
Motor power supply	230 Vac - 50/60 Hz
Absorbed power	200W
Protection degree	IP55
Shaft rotation speed	9°/S
Max torque	320 Nm
Nominal torque	220 Nm
Adjustable thrust	HYDRAULIC
Max door surface	10 sm
Operating temperature	-20°C + 60°C
On board courtesy light	NO
Encoder/Limit switch	NO
Weight of the unit	12 Kg

APPLICATION DIAGRAM



DIMENSIONS





GARAGE DOOR SYSTEMS.

72

MOD0500

230V

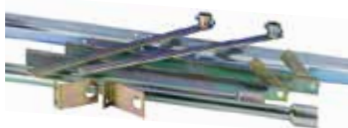
				Cod.
MOD0 500	BAC, max door surface 10 sqm	1	24	50001
MOD0 500	SLAC*, max door surface 10 sqm	1	24	50002

* SLAC version require an electric-lock

BAC: Irreversible • **SLAC:** Reversible

ACCESSORIES

CONTROL UNITS



AJ0001
Kit for the installation of 1 motor with straight arms. 2,5 m longitudinal member



AJ0002
Kit for the installation of 2 motors with straight arms. 2,5 m longitudinal member

AJ00031
Kit for the installation of 1 motor with curved arms. 2,5 m longitudinal member

AJ00041
Kit for the installation of 1 motor with curved arms. 2,5 m longitudinal member



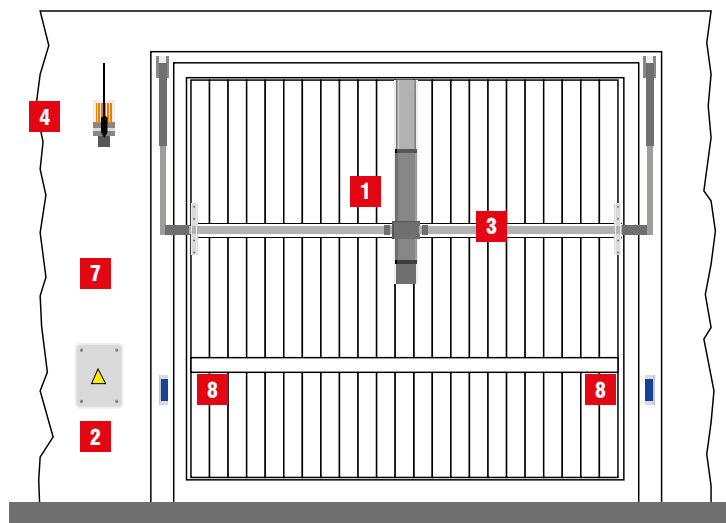
AS05060 (BA100)
See page 112

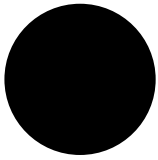


AJ00632
12V electric-lock (see pag. 146 for the counter plate model)

INSTALLATION LAY-OUT

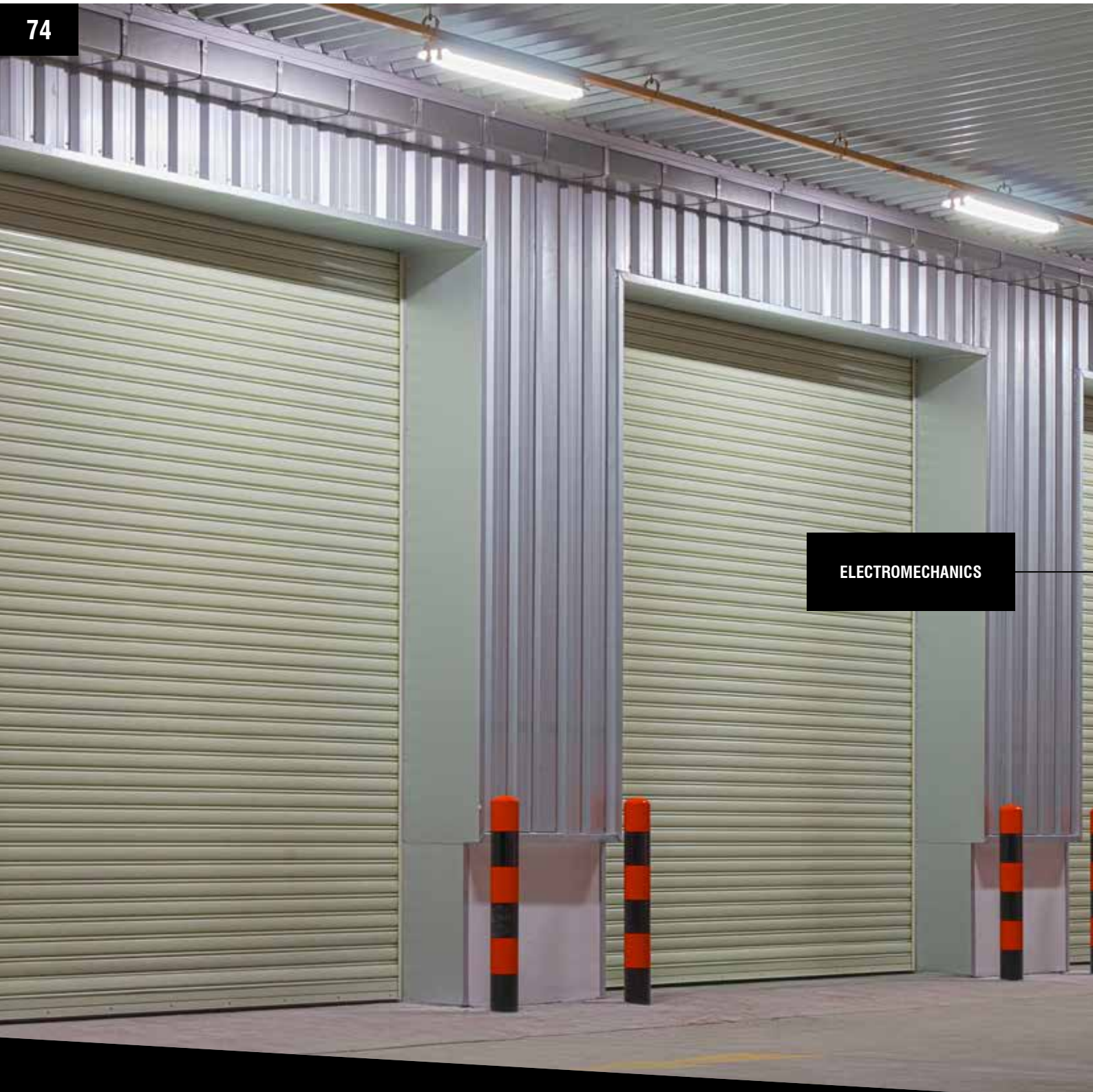
- 1** MOD0500
- 2** AS05060 / BA100 control unit (Page 112)
- 3** Installation kit (Page 72)
- 4** 70710 / Complete flashligh device (Page 135)
- 5** AU02910 / Receiver board (Page 129)
- 6** AU03100 / MAKO remote control - 433Mhz (Page 129)
- 7** AU01940 / Wall mounted key selector model DCS100 (Page 139)
- 8** AU02250 / Pair of DCF180 wall mounted photocells (Page 139)



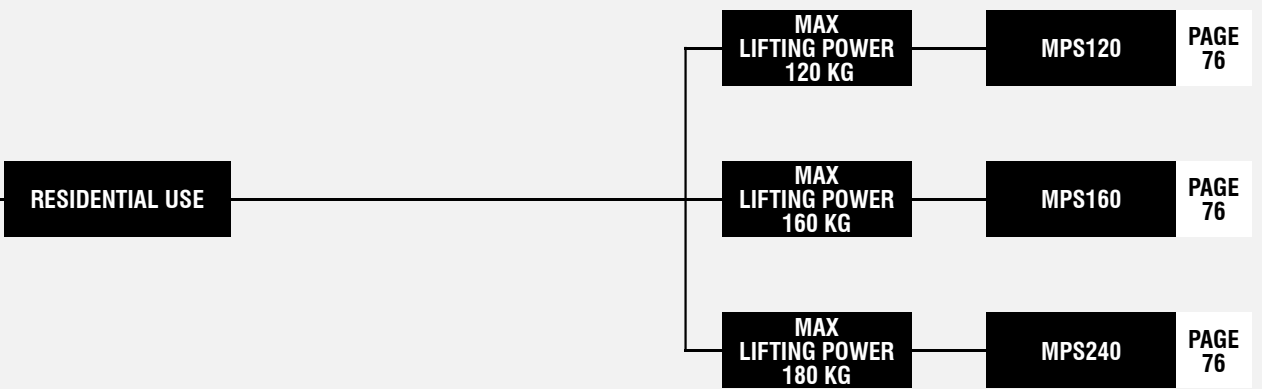


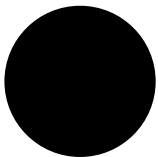
ROLLING SHUTTER SYSTEMS.

74



ELECTROMECHANICS





ROLLING SHUTTER SYSTEMS.

76

MPS

230V

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.

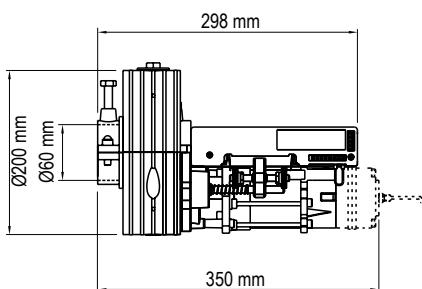


TECHNICAL FEATURES

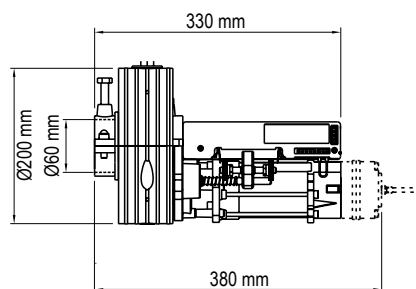
	MPS 120	MPS 120E	MPS 160	MPS 160E	MPS 240	MPS 240E
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	460 W	460 W	630 W	630 W	630 W	630 W
Absorbed current	2,2 A	2,2 A	2,7 A	2,7 A	2,7 A	2,7 A
Max torque	120 Nm	110 Nm	155 Nm	145 Nm	210 Nm	200 Nm
RPM	10	10	10	10	8	8
Limit switch range	5/6	5/6	5/6	5/6	5/6	5/6
Electro-brake	NO	YES	NO	YES	NO	YES
Pole diameter	200/220 mm	200/220 mm	200/220 mm	200/220 mm	240 mm	240 mm
Crown	60 mm	60 mm	60 mm	60 mm	76 mm	76 mm
Lifting power	120 Kg	120 Kg	160 Kg	160 Kg	180 Kg	180 Kg
Thermal cut out	4 min	4 min	4 min	4 min	4 min	4 min
Operator weight	7 Kg	8 Kg	8 Kg	9 Kg	9 Kg	10 Kg

DIMENSIONS

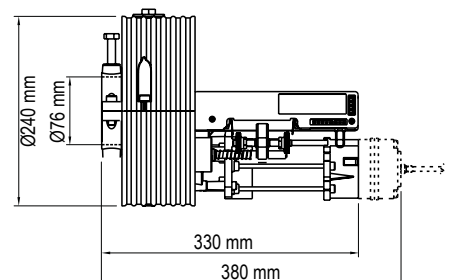
MPS 120

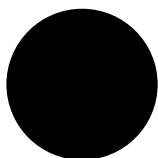


MPS 160



MPS 240





ROLLING SHUTTER SYSTEMS.

78

MPS

230V

				Cod.
MPS 120	*230 Vac central gearmotor for rolling shutters of max 120 Kg, with limit switches, ø 200/220 mm crown and ø 60 mm	1	40	MPS120/2013
MPS 120E	*230 Vac central gearmotor for rolling shutters of max 120 Kg, with limit switches and electro-brake, ø 200/220 mm crown and ø 60 mm	1	40	MPS120E/2013
MPS 160	*230 Vac central gearmotor for rolling shutters of max 160 Kg, with limit switches, ø 200/220 mm crown and ø 60 mm	1	40	MPS160/2013
1 MPS 160E	*230 Vac central gearmotor for rolling shutters of max 160 Kg, with limit switches and electro-brake, ø 200/220 mm crown and ø 60 mm	1	40	MPS160E/2013
MPS 240	230 Vac central gearmotor for rolling shutters of max 180 Kg, with limit switches, ø 240 mm crown and ø 76 mm	1	22	MPS240/2013
MPS 240E	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	MPS240E/2013

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

ACCESSORIES

CONTROL UNITS



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 119



AS07000 (SR 2)
Control unit with embedded radio receiver. See page 120



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.

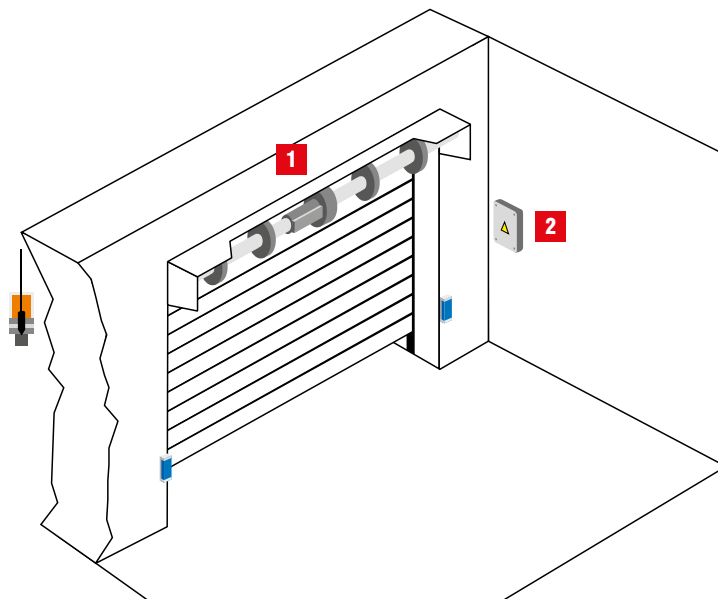
KIT MPS 160E **1** x1 **2** x1 **3** x1

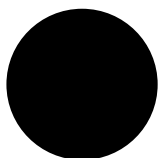
Cod.
KMPS160E

INCLUDED IN THE KIT:

- 1** MPS 160E
- 2** AS07000 (SR 2) Control unit with embedded radio receiver (Page 120)
- 3** AU03100 / MAKO remote control - 433Mhz (Page 129)

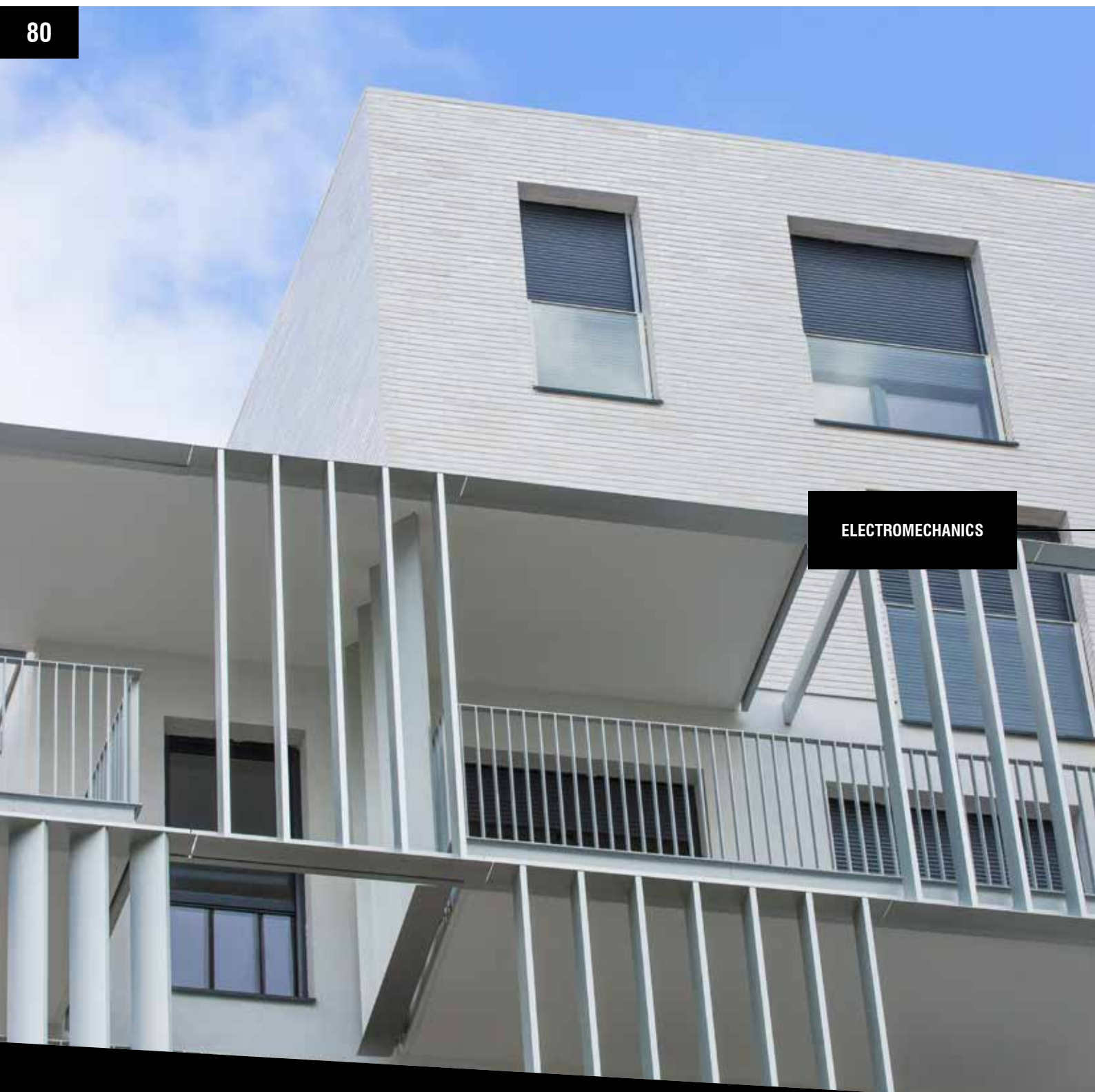
INSTALLATION LAY-OUT





SYSTEMS FOR SUN
AWNINGS AND SHUTTERS.

80



ELECTROMECHANICS

RESIDENTIAL USE

20 KG

WS3510

PAGE
82

40 KG

WS4520

PAGE
82

70 KG

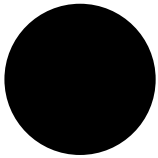
WS4530

PAGE
82

90 KG

WS4550-59100

PAGE
82



SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

82

RUNNER

230V

Tubular reduction gears for rolling shutters and sunshades, for residential and commercial use.

EASY TO INSTALL

Thanks to the assembling kit and adaptors provided.

SILENT AND FAST

Exclusively made with high quality materials.

TECHNOLOGICAL AND SAFE

Limit switch regulation system constrained to the reduction gear for an accurate and lasting adjustment. Options with emergency unlocking manoeuvre.

A COMPLETE AND RELIABLE RANGE

Control and command accessories complete a range suitable for every kind of needs.



TECHNICAL FEATURES

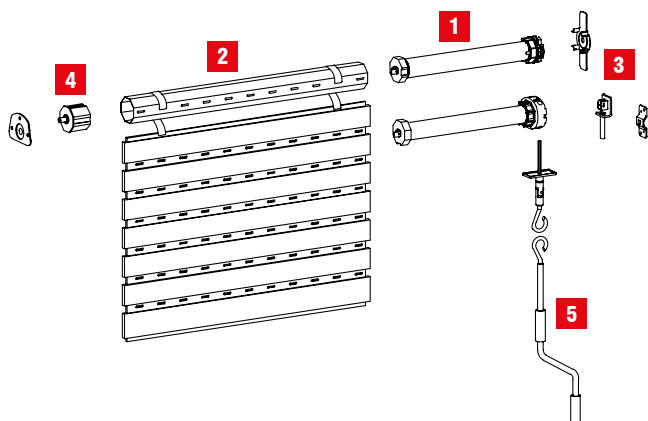
	WS 3510	WS 4520	WS 4530	WS 4550	WS 59100
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	150 W	170 W	240 W	270 W	430 W
Absorbed current	0,65 A	0,80 A	1,10 A	1,20 A	2 A
Diameter	35 mm	45 mm	45 mm	45 mm	59 mm
Max torque	10 Nm	20 Nm	30 Nm	50 Nm	100 Nm
RPM	16	16	16	12	12
Limit switch range	40	30	30	30	23
Manual override	NO	NO	Only on model "M"	Only on model "M"	Only on model "M"
Operator lenght	520 mm	550 mm	590 mm (650 mm)*	590 mm (650 mm)*	580 mm (680 mm)*
Lifting power	20 Kg	40 Kg	70 Kg	90 Kg	90 Kg
Thermal cut out	4 min	4 min	4 min	4 min	4 min
Operator weight	1,5 Kg	2,6 Kg	2,7 Kg (3,7 Kg)*	2,8 Kg (3,8 Kg)*	6,2 Kg (7,7 Kg)*

* Model "M"

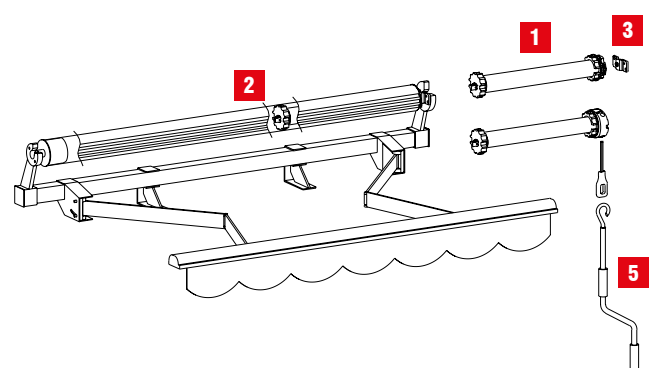
INSTALLATION LAY-OUT

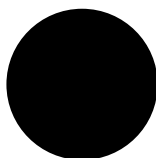
- 1** Motor
- 2** Pole / Ogive
- 3** Brackets
- 4** Adapters
- 5** Crank rod

PRACTICAL SHUTTERS LAY-OUT



PRACTICAL SUN AWNINGS LAY-OUT








SYSTEMS FOR SUN AWNINGS AND SHUTTERS.

84

RUNNER**230V**

				Cod.
1	WS3510 Tubular gearmotor Ø 35 - Nm 10	1	150	WS3510
	WS4520 Tubular gearmotor Ø 45 - Nm 20	1	150	WS4520
	WS4530 Tubular gearmotor Ø 45 - Nm 30	1	150	WS4530
	WS4550 Tubular gearmotor Ø 45 - Nm 50	1	150	WS4550
	WS59100 Tubular gearmotor Ø 59 - Nm 100	1	80	WS59100
	WS45M30 Tubular gearmotor Ø 45 - Nm 30 - with manual override	1	72	WS45M30
	WS45M50 Tubular gearmotor Ø 45 - Nm 50 - with manual override	1	72	WS45M50
	WS59M100 Tubular gearmotor Ø 59 - Nm 100 - with manual override	1	72	WS59M100

 Adapters and brackets included

COMMON ACCESSORIES

	Cod.
Shutter box bracket (for gearmotors Ø 35 and 45)	AJ01447
Wall stand bracket (for gearmotors Ø 45)	AJ01440
Stand with vertical adjustment (for gearmotors Ø 45)	AJ01430
Stand with horizontal adjustment (for gearmotors Ø 45)	AJ01431
Shutter box bracket (for gearmotors Ø 45)	AJ01449
60 mm octagonal pole adapter - BONFANTI (for gearmotors Ø 45)	AJ01433
70 mm octagonal pole adapter - IMBAC (for gearmotors Ø 45)	AJ01434
70 mm sun awnings ogive adapter - IMBAC (for gearmotors Ø 45)	AJ01435
78 mm sun awnings ogive adapter - IMBAC (for gearmotors Ø 45)	AJ01436
Round pole adapter 101,6x4 (for gearmotors Ø 45 and 59)	AJ01438
1.500 mm straight crank rod	AJ01441
1.600 mm articulated crank rod	AJ01442
MINI control unit with embedded radio receiver with push button for shutters	WSC100
Control unit with embedded radio receiver with push button for sun awnings and shutters	WSC200
Control unit sun + wind	WSC300
Control unit sun + wind + rain	WSC400
Anemometer	WSAN
3 channels remote control for WSC400	WSTX03
10 channels remote control	WSTX10

RUNNER CHOICE PLAN FOR SUN AWNINGS

OGIVE TUBE OF 70 MM

nr of awnings arms	Protrusion of the arms with respect to the tube					
	1,5 m	2 m	2,5 m	3 m	3,5 m	4 m
6	-	WS4550 WS45M50	WS4550 WS45M50	-	-	-
4	-	WS4550 WS45M50	WS4550 WS45M50	WS4550 WS45M50	WS4550 WS45M50	WS4550 WS45M50
2	WS4530 WS45M30	WS4530 WS45M30	WS4530 WS45M30	WS4550 WS45M50	WS4550 WS45M50	WS4550 WS45M50

OGIVE TUBE OF 78 MM

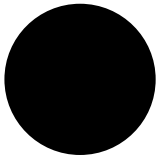
nr of awnings arms	Protrusion of the arms with respect to the tube					
	2 m	2,5 m	3 m	3,5 m	4 m	4,5 m
8	WS10059 WS100M59	WS10059 WS100M59	-	-	-	-
6	WS10059 WS100M59	WS10059 WS100M59	WS10059 WS100M59	WS10059 WS100M59	-	-
4	WS10059 WS100M59	WS10059 WS100M59	WS10059 WS100M59	WS10059 WS100M59	WS10059 WS100M59	-

SELECTION CHART FOR THE RUNNER SHUTTER OPERATORS

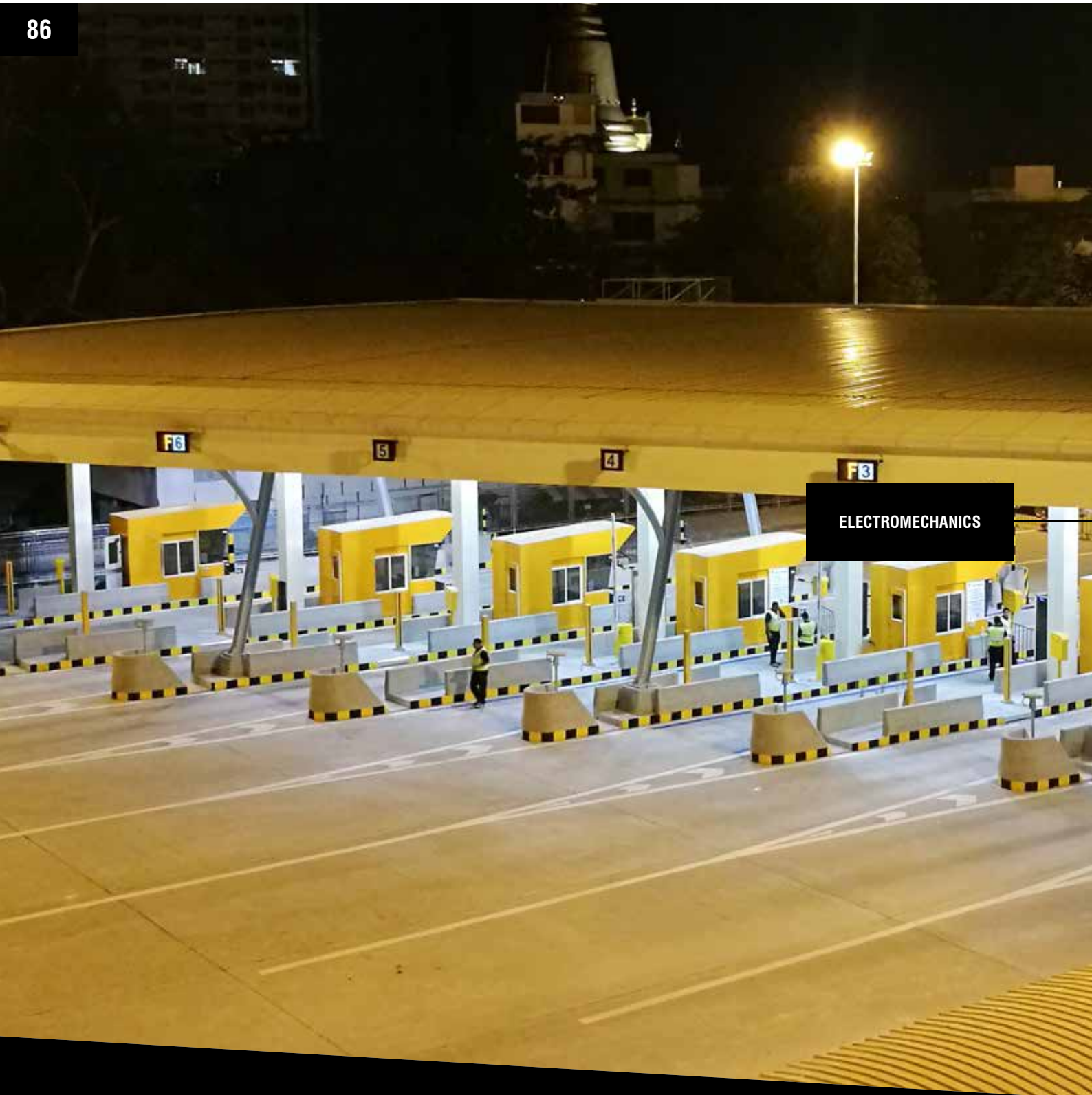
Model	Shutters						
	Ø 40	Ø 45	Ø 60	Ø 70	Ø 80	Ø 90	Ø 100
WS1035	19	15	-	-	-	-	-
WS4520 - WS45M20	-	42	36	-	-	-	-
WS4530 - WS45M30	-	-	52	44	39	35	-
WS4550 - WS45M50	-	-	90	78	69	55	-
WS59100 - WS59M100	-	-	-	146	130	118	106

Shutter weight calculation according to construction material	
Material	Weight per sqm
PVC	5 kg
Wood	10 kg
Insulated aluminium	4 kg
Insulated steel	10 kg
Armored steel	16 kg

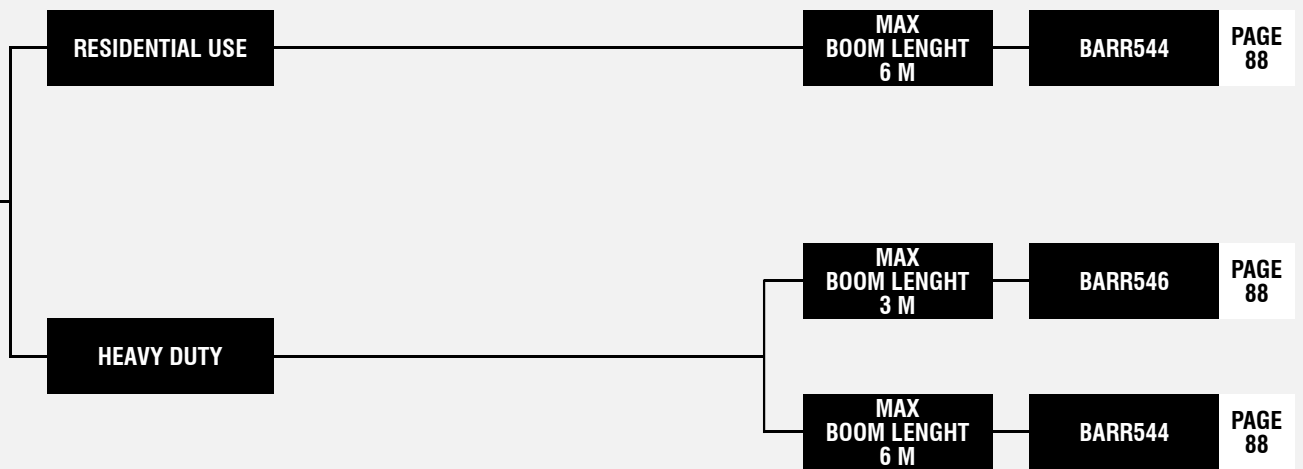
! Datas on the chart are calculated with a 50% tolerance (friction and diameter increase or winding)

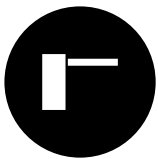
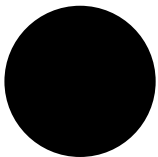


ARM BARRIERS SYSTEMS.



ELECTROMECHANICS





ARM BARRIERS SYSTEMS.

88

BARR500

24V

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

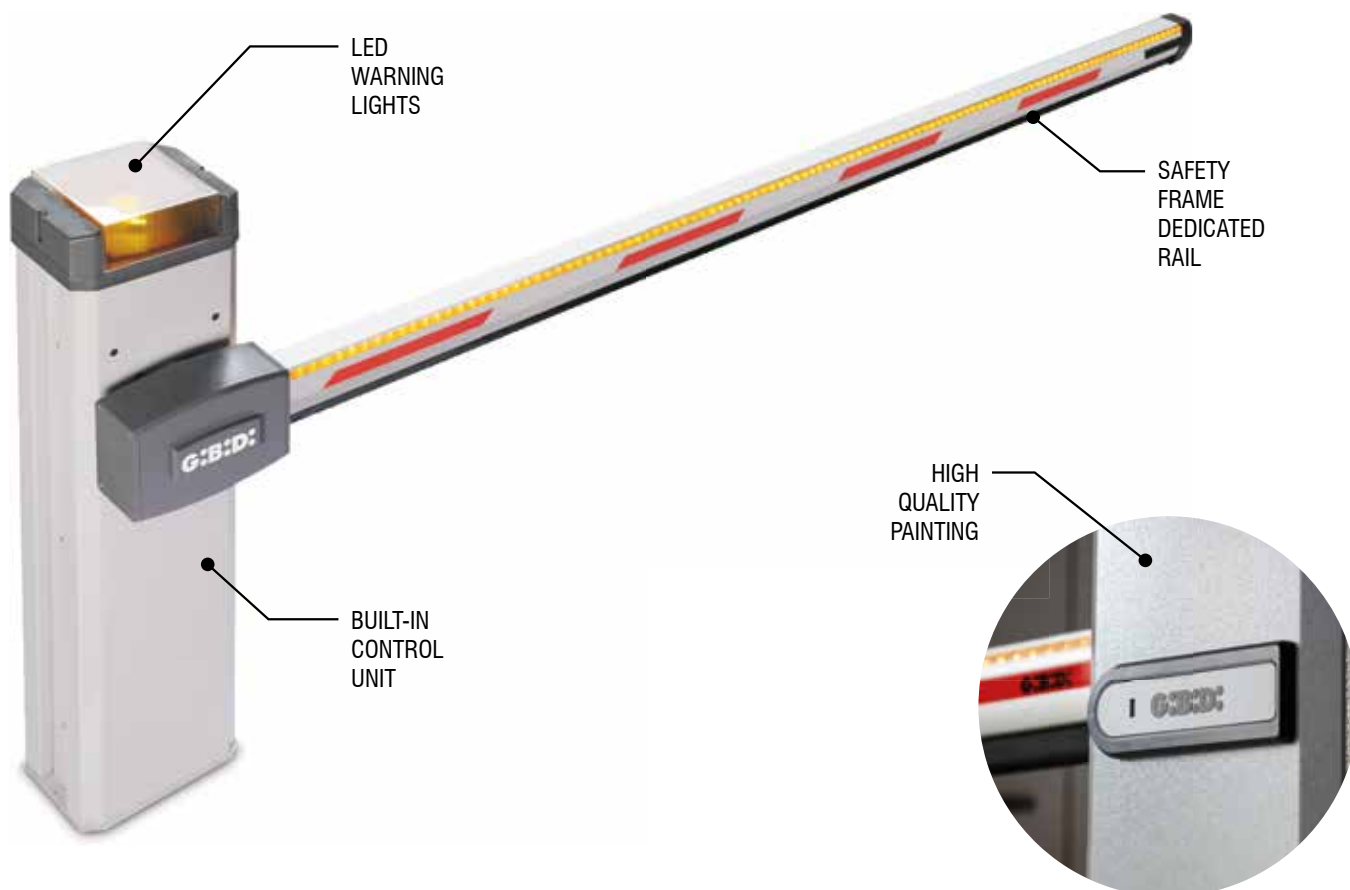
Fast reduction gear for opening in 1,8 sec. and up to 5 sec. Exclusively made with high quality materials.

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.

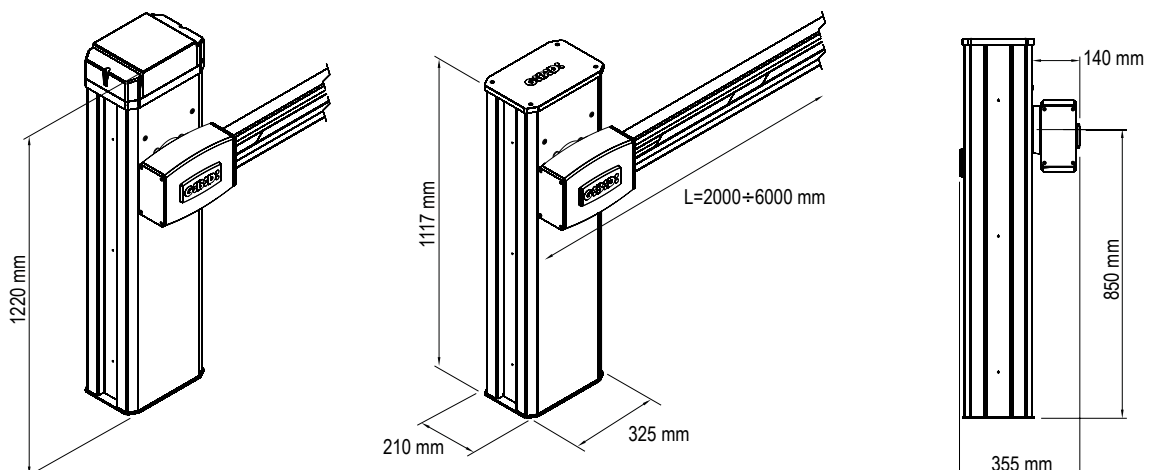


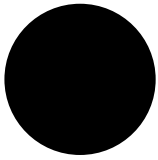
TECHNICAL FEATURES

	BARR 544	BARR 546
Type of use	INTENSIVE	INTENSIVE
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 arm balancing

DIMENSIONS







ARM BARRIERS SYSTEMS.

90

BARR500

24V

					Cod.
BARR 544	24 Vdc with embedded BR24 control unit	EN	1	8	11524D-S.2C
BARR 546	24 Vdc with embedded BR24 control unit, fast version	EN	1	8	11524VD-S.2C

- ! Boom inlet not included
- ! Balancing spring not included (See page 92)
- * Control unit technical details, see page 115

COMMON ACCESSORIES



AJ01060
LED upper
flashligh system



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,
modules of 2m.
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

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



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

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



8K2 safety edge.
To be used with AJ01140

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

ACCESSORIES FOR THE BOOM 80X40



Aluminium booms.
Red reflective stickers and end caps are included

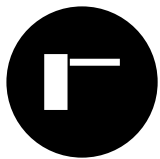
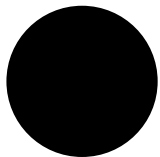
Boom L= 2 m	AB13040
Boom L= 3 m	AB13050
Boom L= 4 m	AB13060
Boom L= 6 m	AB13070



AJ01010
Boom inlet for booms 80x40



AJ01260
80x40 boom end support, movable version



ARM BARRIERS SYSTEMS.

92

BARR500

24V



Balancing spring choice

	1400N	3100N	4300N	5700N	7400N	8500N
Spring type	A	B	C	D	E	F
Code	AJ01340	AJ01350	AJ01360	AJ01370	AJ01380	AJ01390

100x66 mm profile accessories

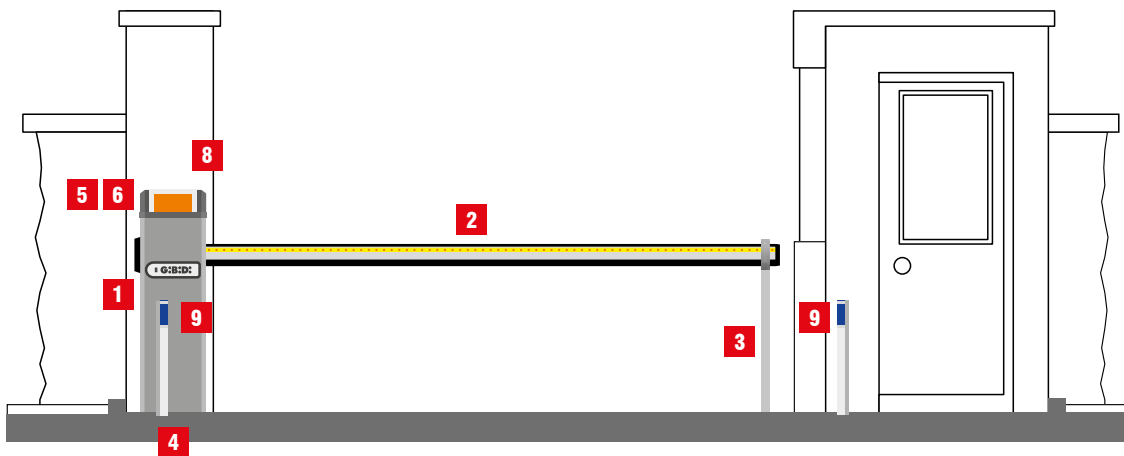
	Boom length (m)									
	2	2,5	3	3,5	4	4,5	5	5,5	6	
Boom	A	A	A	B	B	C	D	D	E	
Boom + Light	A	A	A	B	C	C	D	E	E	
Boom + Edge	A	A	B	B	C	D	E	E	F	
Boom + Edge + Light	A	A	B	B	C	D	E	F	F	
Boom + Endfoot support	A	A	B	B	C	D	E			
Boom + Endfoot support + Light	A	A	B	B	C	D	E			
Boom + Endfoot support + Edge	A	A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

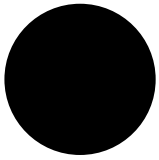
80x40 mm profile accessories

	Boom length (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 support	A	A	A	B	B	B	C	C	D	
Boom + Edge + Endfoot support	A	A	B	B	B	C	D	D	E	
Boom + Rack	A	A	A	B	B	C	D	D	E	
Boom + Rack + Endfoot support	A	A	B	B	B	C	D	D	E	

INSTALLATION LAY-OUT

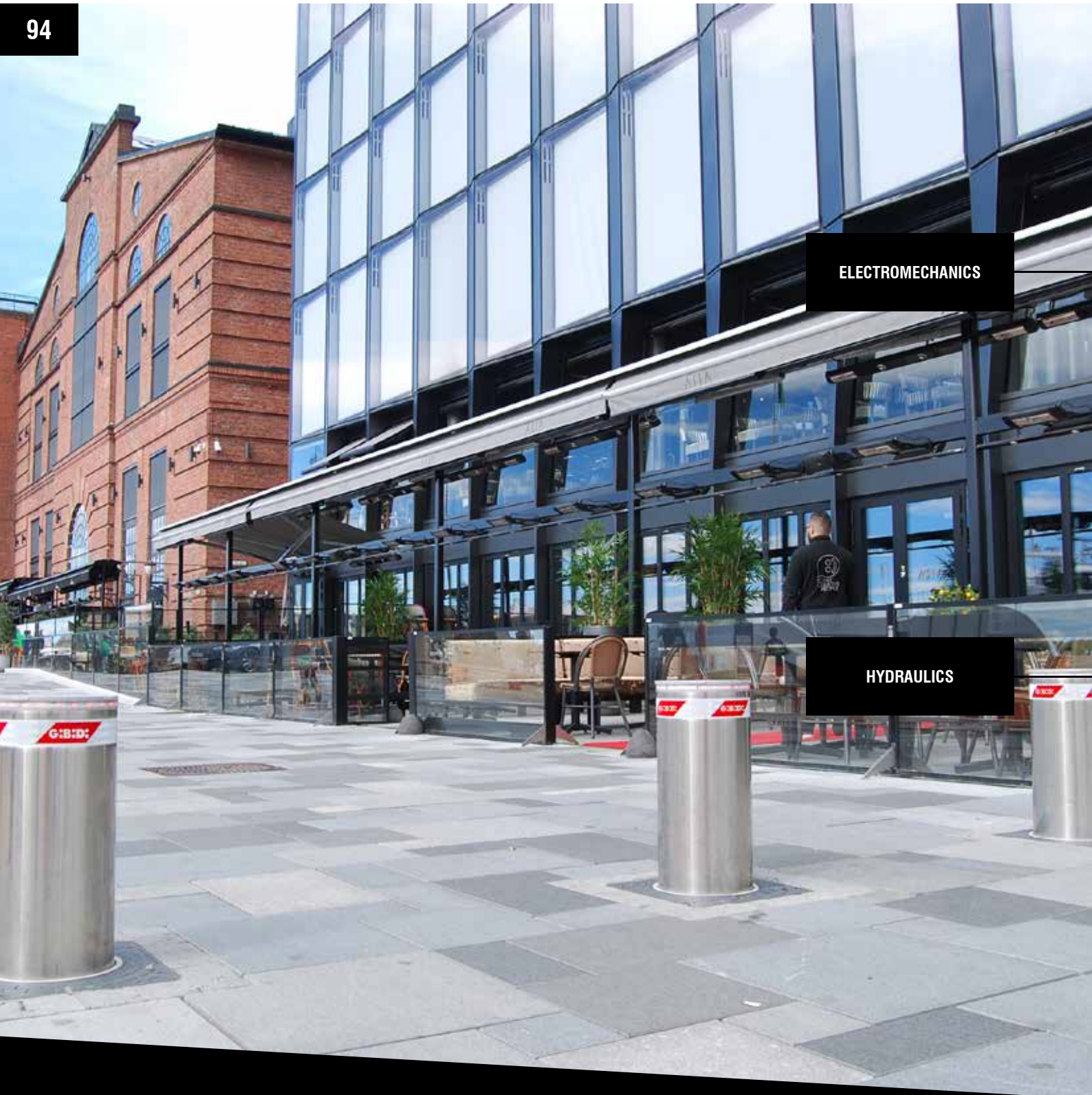
- | | |
|--|--|
| 1 BARR500 | 4 AJ01040 / Foundation plate |
| 1 Balancing spring for boom | 5 AJ01060 / Upper LED flashlight system |
| 2 100x66 boom (Page 91) | 6 AU02910 / Receiver board (Page 129) |
| 2 AJ01310 / Boom inlet 100x66 (Page 91) | 7 AU03100 / MAKO remote control - 433Mhz (Page 129) |
| 2 AJ01140 / Kit of plastic covers (boom inlet, end cap) (Page 91) | 8 AU01940 / Wall mounted key selector model DCS100 (Page 139) |
| 2 Boom lights (Page 91) | 9 AU02250 / Pair of DCF180 wall mounted photocells (Page 139) |
| 3 Boom supports (Page 91) | |





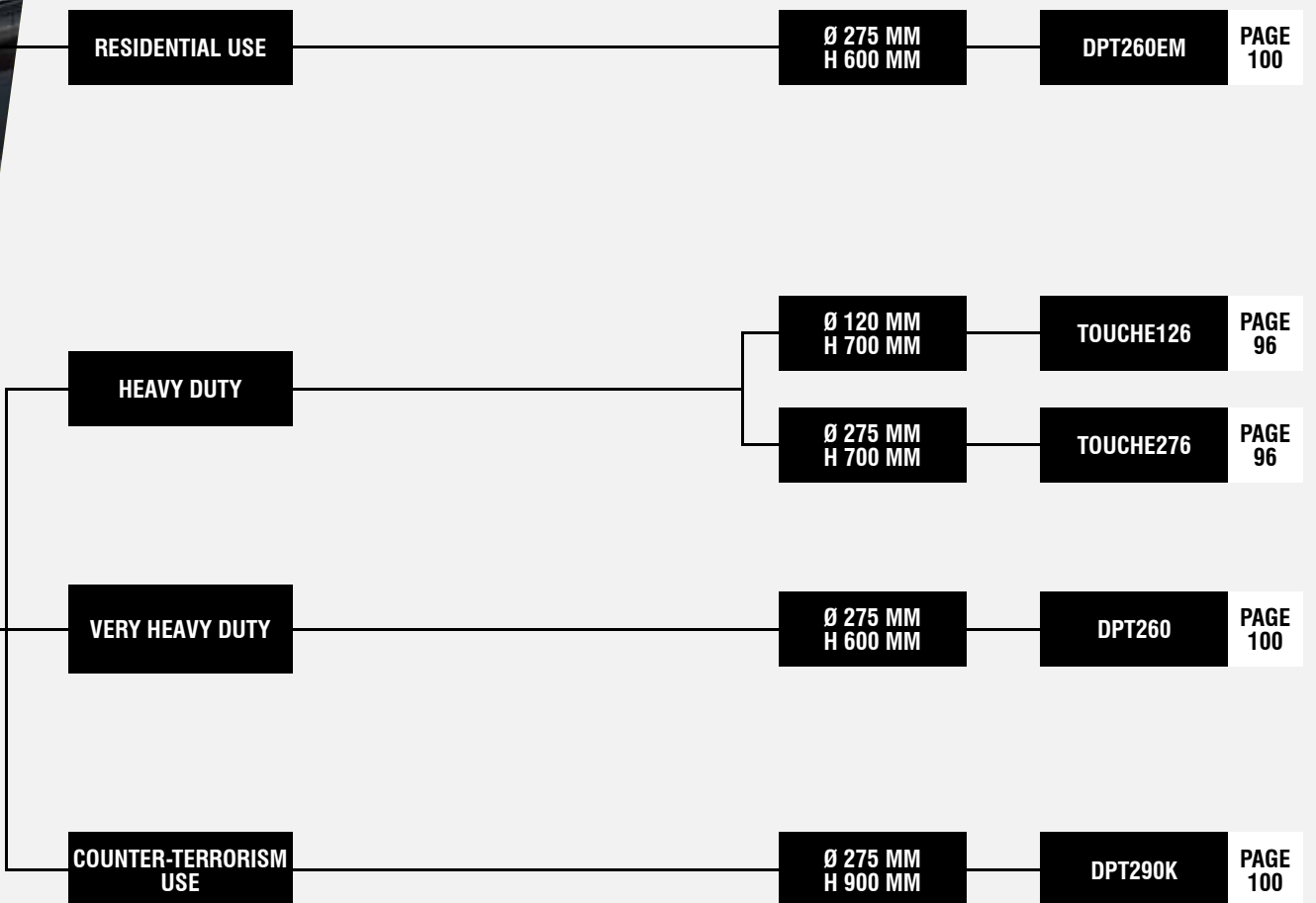
BOLLARDS.

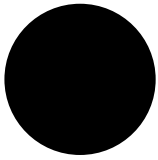
94



ELECTROMECHANICS

HYDRAULICS





BOLLARDS.

96

TOUCHE

230V

Automatic rising bollards in 230Vac with hydraulic 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 of 10 mm and diameters from 123 to 275 mm. One of the strongest of its range.

PERFORMING

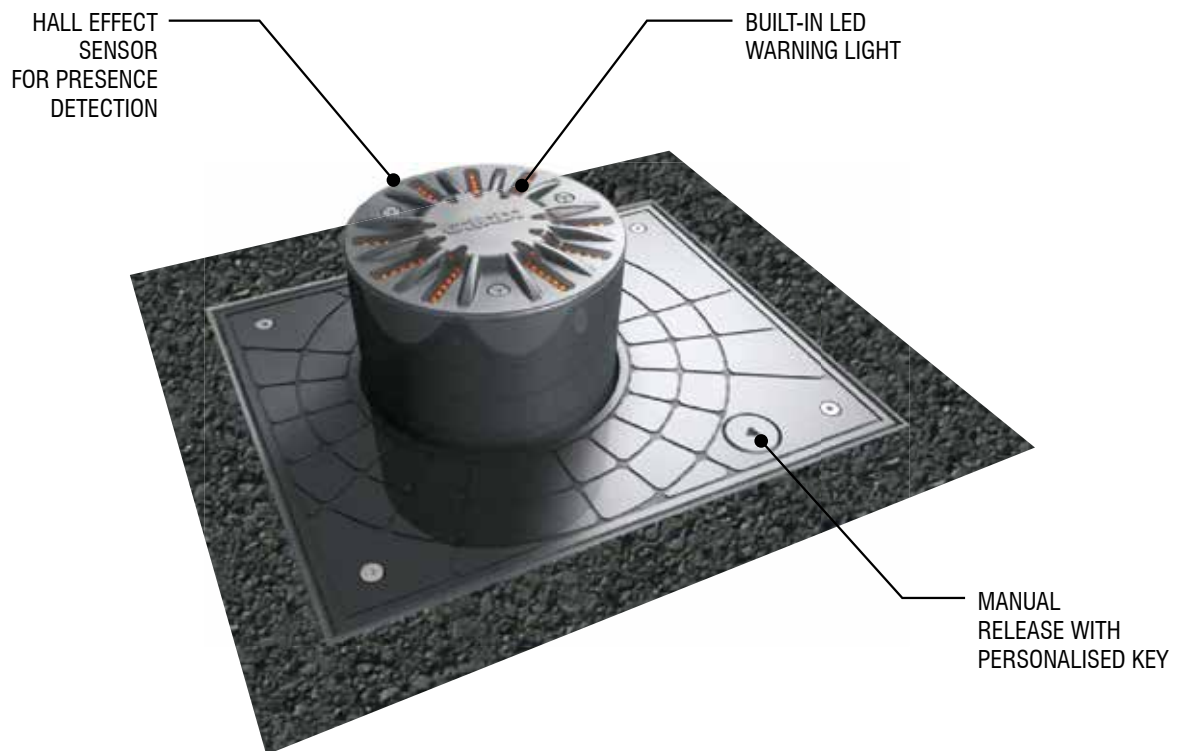
Available with double motor (T126 and T276) to be faster and more durable in the lifetime.

TECHNOLOGICAL AND SAFE

High performance version with double motor and double hydraulic pump, with LED light integrated or special functions for high security, TOUCHE offers all the solutions.

DESIGN

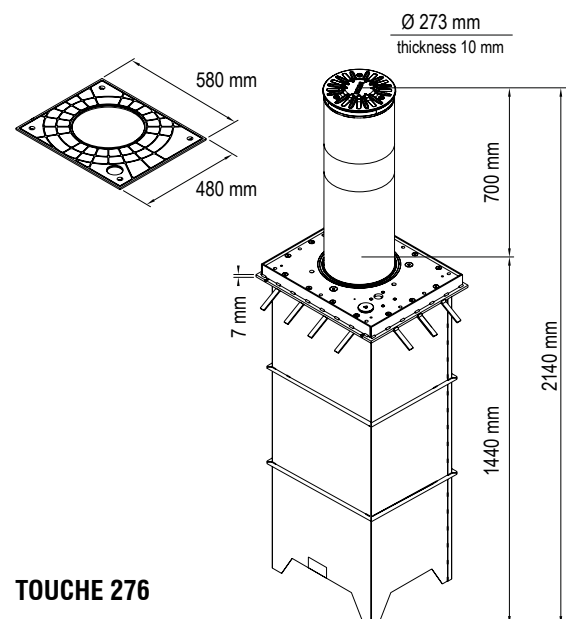
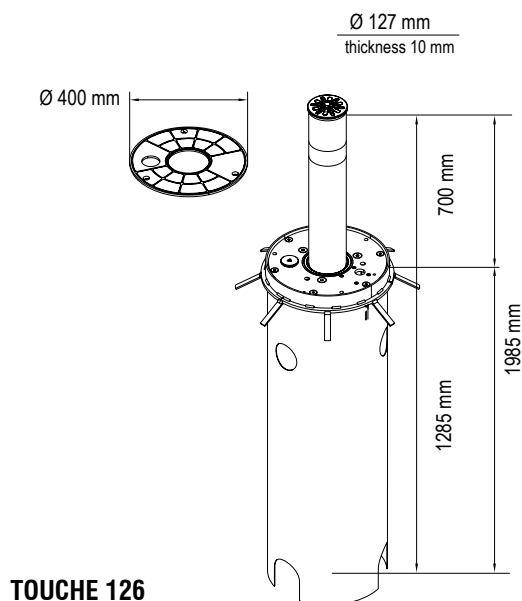
Smart, with led crown integrated, power painted and customizable on demand with every colour.

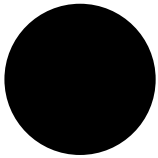


TECHNICAL FEATURES

	TOUCHE 126	TOUCHE 276
Type of use	INTENSIVE	INTENSIVE
Frequency of use	40%	40%
Motor power supply	230 Vac - 50/60 Hz	230 Vac - 50/60 Hz
Absorbed power	600 W	600 W
Protection degree	IP67	IP67
Resistance to impact without deformation	2.000 J	15.000 J
Anti-breakthrough resistance	25.000 J	350.000 J
Opening time	7 s	7 s
Closing time	10 s	10 s
Cylinder diameter	127 mm	273 mm
Cylinder stroke	700 mm	700 mm
Thickness of the cylinder	10 mm	10 mm
Operating temperature	-20°C +60°C	-20°C +60°C
Type	HYDRAULIC	HYDRAULIC

DIMENSIONS





BOLLARDS.

98

TOUCHE

230V

				Cod.
1A	TOUCHE 126 Hydraulic bollard with double engine - 230Vac - Ø 120mm - H. 700 mm	1	1	85002
1B	TOUCHE 276 Hydraulic bollard with double engine - 230Vac - Ø 275mm - H. 700 mm	1	1	85201

ACCESSORIES

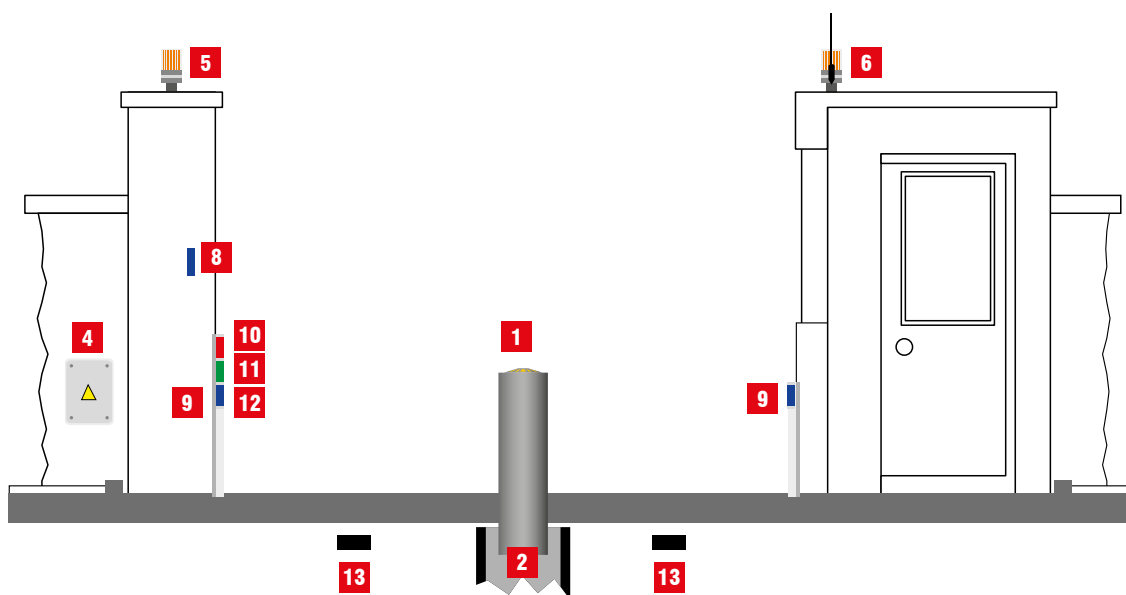
	Cod.
Foundation box for TOUCHE 126	AJ85300
Foundation box for TOUCHE 276	AJ85400
Plastic case for electronic cards	AU02600
LED lights and anti-lifting control card for TOUCHE*	AS05530
Personalised RAL colour for bollard, on demand**	86000
SC380 / Control unit for 1 bollard. See page 118	AS05800
BX-6M / Expander to control up to 3 bollards TOUCHE 126/276 (SC380 is necessary)	AS07010

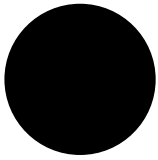
* Not necessary with BX-6M

** Please verify with sales department first

INSTALLATION LAY-OUT

- | | |
|---|--|
| 1A TOUCHE 126 | 7 AU03100 / MAKO remote control - 433Mhz (Page 129) |
| 1B TOUCHE 276 | 8 AU01940 / Wall mounted key selector model DCS100 (Page 139) |
| 2A Foundation box for TOUCHE 126 | 9 AU02250 / Pair of DCF180 wall mounted photocells (Page 139) |
| 2B Foundation box for TOUCHE 276 | 10 AU02160 / RED LED light (Page 141) |
| 3 AS05530 / LED lights and anti-lifting control card | 11 AU02170 / GREEN LED light (Page 141) |
| 4 AS05800 / SC380 control unit (Page 118) | 12 AU01970 / Plastic spacer cap (Page 141) |
| 5 70710 / Complete 230Vac flashlight system (Page 135) | 13 AS05900 / 24 Vdc Metallic mass detector (Page146) |
| 6 AU02910 / Receiver board (Page 129) | 13 AS05910 / 230 Vac Metallic mass detector (Page 146) |





BOLLARDS.

100

DPT260

24-230V

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

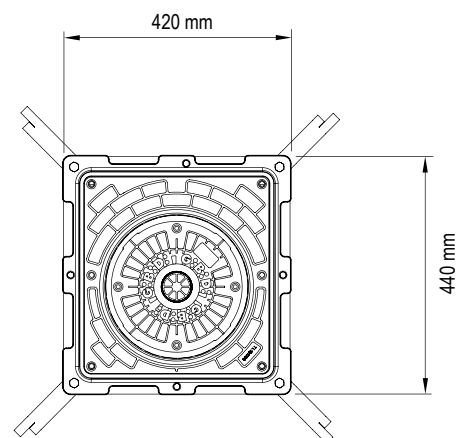
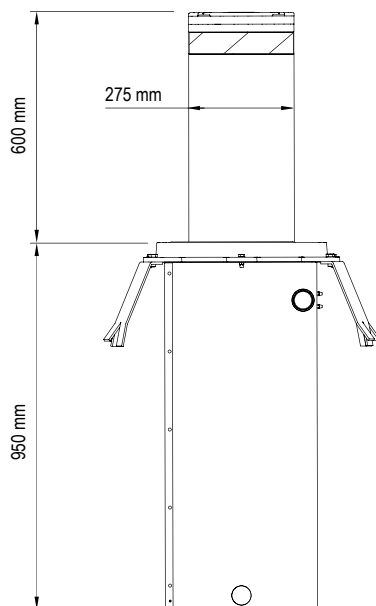
CYLINDER
THICKNESS
4-6 MM

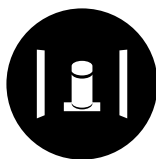
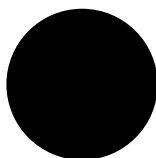


TECHNICAL FEATURES

	DPT260 EM	DPT260
Type of use	RESIDENTIAL	INTENSIVE
Frequency of use	30%	40%
Motor power supply	24 Vdc	230 Vac - 50/60 Hz
Absorbed power	250W	2,2 - 3,4 A
Protection degree	IP67	IP67
Resistance to impact without deformation	30.000 J	40.000 J
Anti-breakthrough resistance	150.000 J	250.000 J
Opening time	5 s	2,4 s
Closing time	5 s	4 s
Cylinder diameter	273 mm	273 mm
Cylinder stroke	600 mm	600 mm
Thickness of the cylinder	4 mm	6 mm
Operating temperature	-20°C +60°C	-40°C +70°C
Type	ELECTROMECHANIC	HYDRAULIC

DIMENSIONS







BOLLARDS.

102

DPT260 EM

24V

				Cod.
DPT260/EM	Electromechanic bollard H600 - Painted steel	1	4	DPT260/EM
DPT260/EM/LED	Electromechanic bollard H600 with LED - Painted steel	1	4	DPT260/EM/LED
DPT260/EM/X	Electromechanic bollard H600 - stainless steel	1	4	DPT260/EM/X
DPT260/EM/X/LED	Electromechanic bollard H600 with LED - stainless steel	1	4	DPT260/EM/X/LED

ACCESSORIES

Foundation box for DPT/EM

AJDPT/EM foundation box lid

Buzzer

Personalised RAL colour on demand*

Heating element + thermostat + transformer

Magnetic contact for traffic light

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

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

* Please verify with sales department first

Cod.

AJDPT/EM

AJDPT/EM/CH

AJDPT/BZ

86000

AJDPT/HR

AJDPT/TLC

AJDPT/EM/AC

ASDPT/EM-003

DPT260

230V

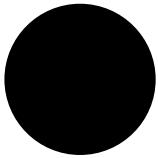
103

				Cod.
DPT260	Hydraulic bollard H600 - Painted steel	1	4	DPT260
DPT260/LED	Hydraulic bollard H600 with LED - Painted steel	1	4	DPT260/LED
DPT260/AL	Hydraulic bollard H600 - Auto lowering - Painted steel	1	4	DPT260/AL
DPT260/LED/AL	Hydraulic bollard H600 with LED - Auto lowering - Painted steel	1	4	DPT260/LED/AL
DPT260/X	Hydraulic bollard H600 - Stainless steel	1	4	DPT260/X
DPT260/X/LED	Hydraulic bollard H600 with LED - Stainless steel	1	4	DPT260/X/LED
DPT260/X/AL	Hydraulic bollard H600 - Auto lowering - Stainless steel	1	4	DPT260/X/AL
DPT260/X/LED/AL	Hydraulic bollard H600 with LED - Auto lowering - Stainless steel	1	4	DPT260/X/LED/AL
DPT260PL	Fixed bollard with basement H600 - Painted steel (with LED as optional)	1	4	DPT260PL
DPT260PL/X	Fixed bollard with basement H600 - Stainless steel (with LED as optional)	1	4	DPT260PL/X
DPT260PF	Fixed bollard with removable option H600 - Painted steel (with LED as optional)	1	4	DPT260PF
DPT260PF/X	Fixed bollard with removable option H600 - Stainless steel (with LED as optional)	1	4	DPT260PF/X

ACCESSORIES

	Cod.
Foundation box for DPT	AJDPT260
Buzzer	AJDPT/BZ
AJDPT260 foundation box lid	AJDPT/CH
Additional connection line for DPT260 (multiple of 5 m - max 80 m)	AJDPT/AC
Heating element + thermostat + transformer	AJDPT/HR
E.F.O. Emergency fast operation unit (rising time 1,5 sec)	AJDPT/EFO
Personalised RAL colour on demand	86000
LED management card for DPT260PL/PF	DPT/LED
Control unit for No. 1 DPT260	ASDPT-001
Control unit for No. 2 DPT260	ASDPT-002
Control unit for No. 3 DPT260	ASDPT-003
Control unit for No. 4 DPT260	ASDPT-004
Control unit for No. 5 DPT260*	ASDPT-005

* For installations with more than 5 bollards, please contact the sales department



BOLLARDS.

104

DPT290K

230V

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. Certified (K4 – PA68:2013 e IWA 14-1:2013).

PERFORMING

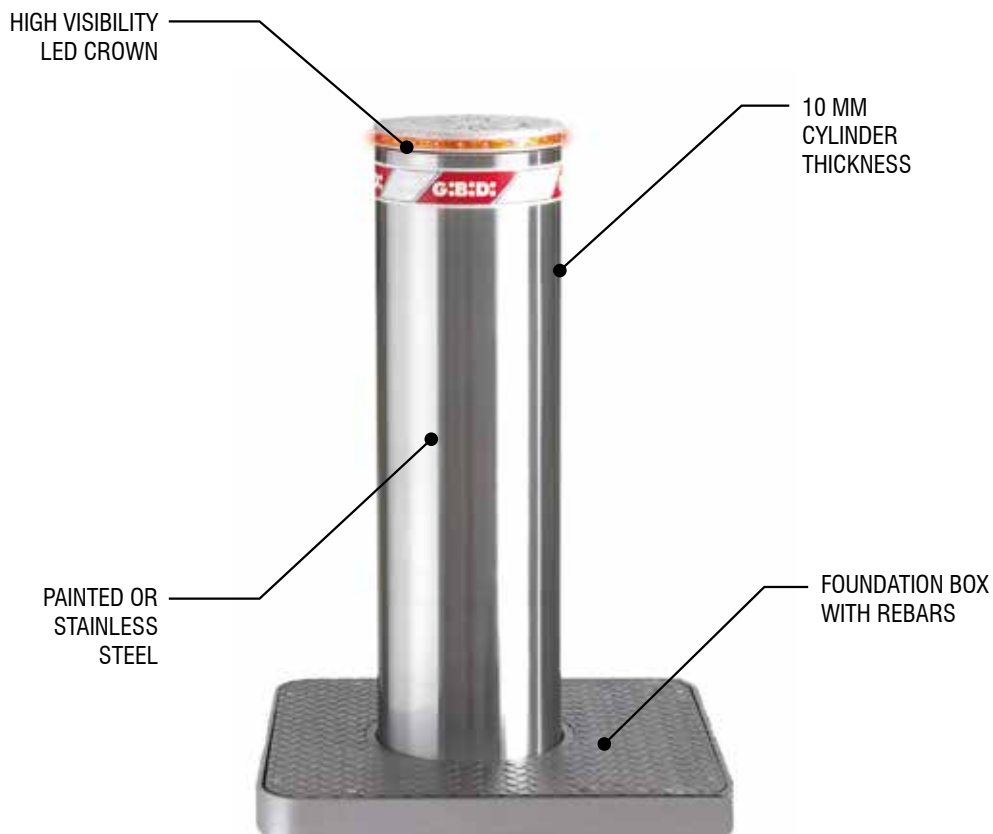
For heavy use of 2000 movements and average lifetime (MCBF) of 3.000.000 movements.

TECHNOLOGICAL AND SAFE

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

DESIGN

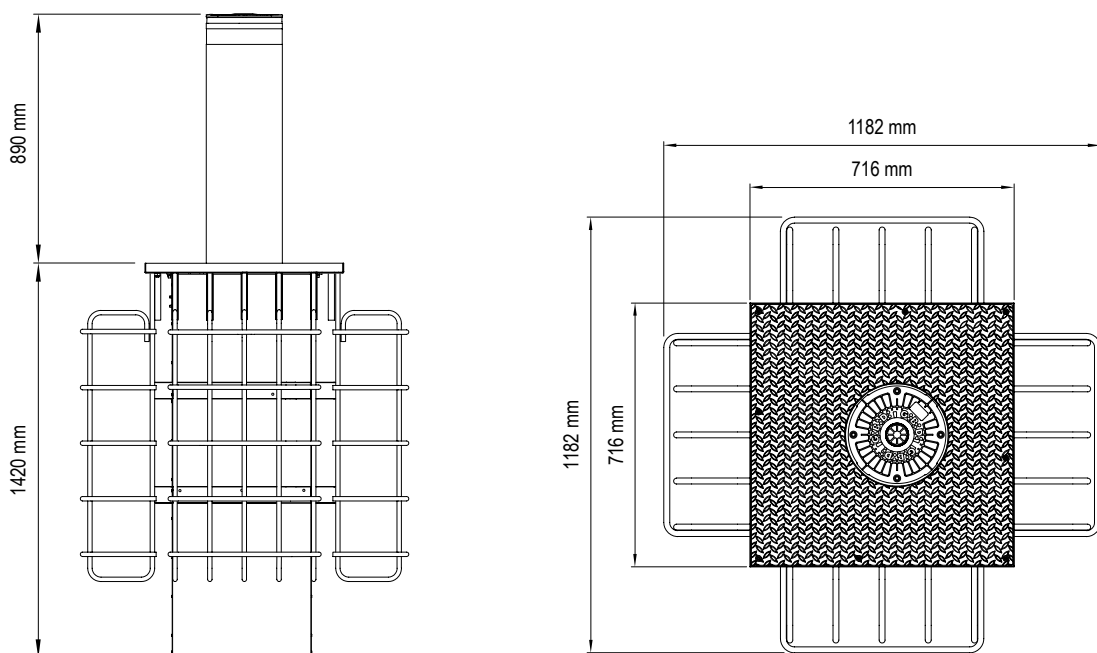
Smart, with led crown integrated, power painted and customizable on demand with every colour, or made in brushed stainless steel.

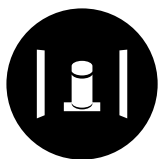
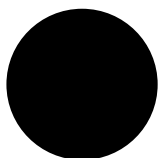


TECHNICAL FEATURES

	DPT290K
Type of use	INTENSIVE
Frequency of use	40%
Motor power supply	230 Vac - 50/60 Hz
Absorbed power	2,2 - 3,4 A
Protection degree	IP67
Resistance to impact without deformation	250.000 J
Anti-breakthrough resistance	750.000 J
Opening time	3,6 s
Closing time	6 s
Cylinder diameter	273 mm
Cylinder stroke	900 mm
Thickness of the cylinder	10 mm
Operating temperature	-40°C +70°C
Type	HYDRAULIC

DIMENSIONS





BOLLARDS.

106

DPT290K

230V

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

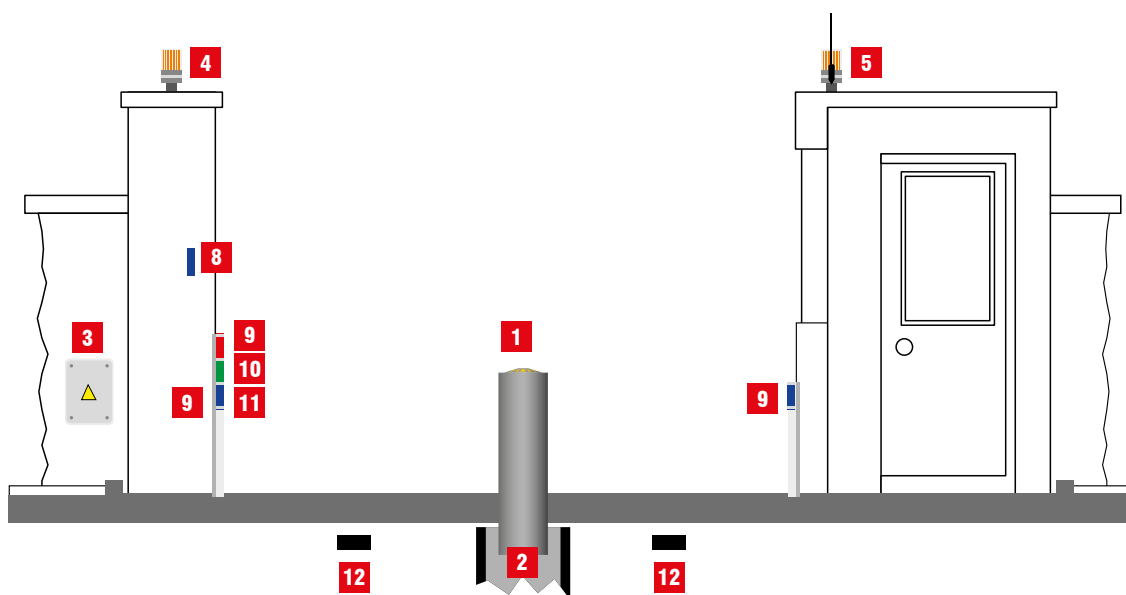
ACCESSORIES

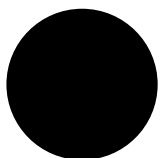
	Cod.
Foundation box for DPT290K with rebars	AJDPT290K-R
Buzzer	AJDPT/BZ
Heating element + thermostat + transformer	AJDPT/HR
N.O. valve for auto-lowering	AJDPTK/NO
Additional connection line for DPT260 (multiple of 5 m - max 80 m)	AJDPT/AC
Painted basement plate for DPT290FB	AJDPT290/FB/BASE
Basement crown for AJDPT290/FB/BASE	AJDPT290/RM/CROWN
Control unit for No. 1 DPTK	ASDPTK-001
Control unit for No. 2 DPTK	ASDPTK-002
Control unit for No. 3 DPTK	ASDPTK-003
Control unit for No. 4 DPTK	ASDPTK-004
Control unit for No. 5 DPTK*	ASDPTK-005
Control unit for No. 1 DPTK with E.F.O	ASDPTK-EFO-001
Control unit for No. 2 DPTK with E.F.O.	ASDPTK-EFO-002
Control unit for No. 3 DPTK with E.F.O.	ASDPTK-EFO-003
Control unit for No. 4 DPTK with E.F.O.	ASDPTK-EFO-004
Control unit for No. 5 DPTK with E.F.O.*	ASDPTK-EFO-005

* For installations with more than 5 bollards, please contact the sales department

INSTALLATION LAY-OUT

- | | |
|--|--|
| 1 T290K | 8 AU02250 / Pair of DCF180 wall mounted photocells (Page 139) |
| 2 Foundation box | 9 AU02160 / RED LED light (Page 141) |
| 3 ASDPTK-001 / Control unit | 10 AU02170 / GREEN LED light (Page 141) |
| 4 70710 / Complete 230Vac flashlight system (Page 135) | 11 AU01970 / Plastic spacer cap (Page 141) |
| 5 Receiver board (Page 129) | 12 AS05900 / 24 Vdc Metallic mass detector (Page 146) |
| 6 AU03100 / MAKO remote control - 433Mhz (Page 129) | 12 AS05910 / 230 Vac Metallic mass detector (Page 146) |
| 7 AU01940 / Wall mounted key selector model DCS100 (Page 139) | |





CONTROL UNITS.

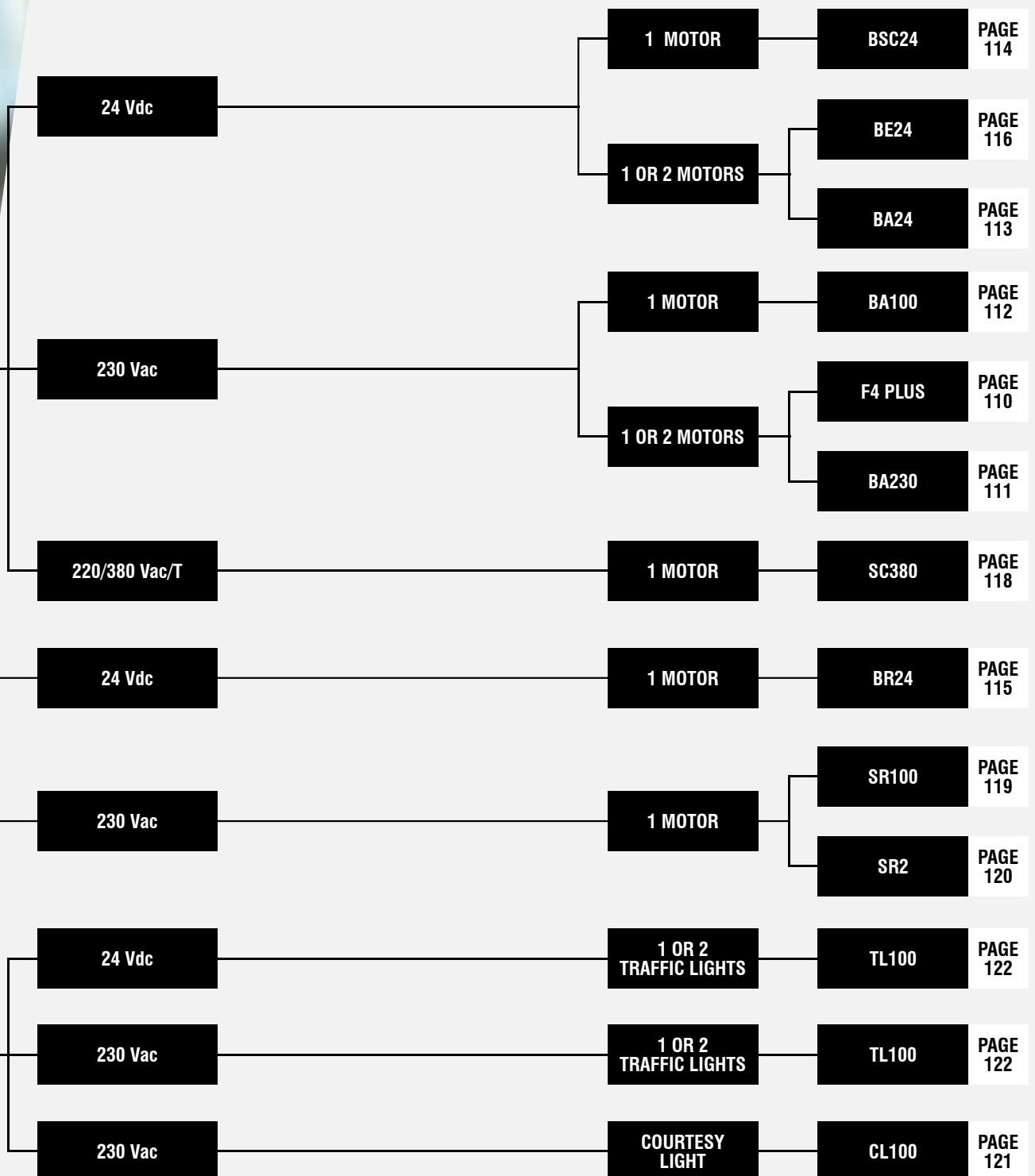


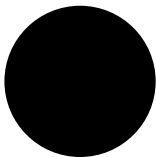
GATES

BARRIERS

ROLLING SHUTTERS

CONTROL





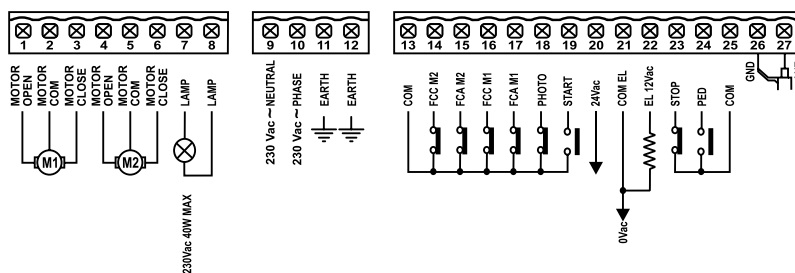
CONTROL UNITS.

110

F4 PLUS

230V

Motors	1 or 2 at 230 Vac (max. 700W)
Power supply	220-230 Vac
Swing gates	TOP291 - TOP391 - TOP441 - FLOOR850 - FLOOR880 - BL233 - ART5000
Sliding gates	PASS600 - PASS800 - PASS1200 - PASS1800 (also double sliding gate)
Overhead doors	MOD0500 - AUTOBOX3000
Barriers	-
Rising bollards	-
Rolling shutters	MPS 120 - MPS 120E - MPS 160 - MPS 160E - MPS 240 - MPS 240E
Pedestrian	YES
Force regulation	YES
Deceleration functions	-
Anti-crushing safety device	-
Safety device input	YES
Photocell input	1
Limit switch	4 inputs
Programming	Trimmers and DIP-Switches
Electric lock	YES



F4 PLUS

Control unit

Cod.

AS05950

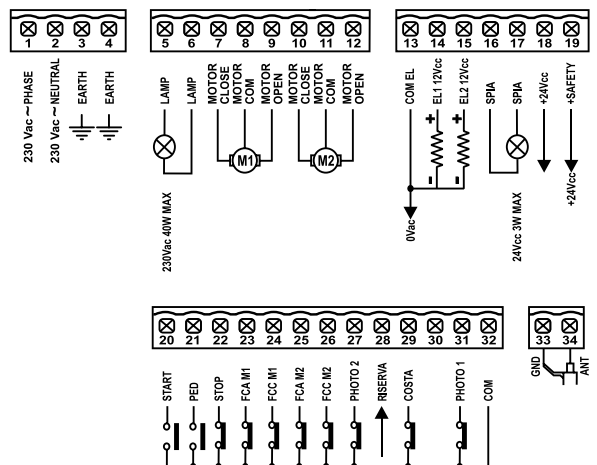
BA230

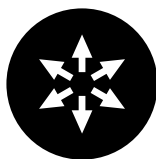
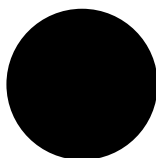
230V

Motors	1 or 2 at 230 Vac (max. 700W)
Power supply	220-230 Vac
Swing gates	TOP291 - TOP391 - TOP441 - FLOOR850 - FLOOR880 - BL233 - ART5000
Sliding gates	PASS600 - PASS800 - PASS1200 - PASS1800 (also double sliding gate)
Overhead doors	MOD0500 - AUTOBOX3000
Barriers	-
Rising bollards	TOUCHE126 - TOUCHE276
Rolling shutters	MPS 120 - MPS 120E - MPS 160 - MPS 160E - MPS 240 - MPS 240E
Pedestrian	YES
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	-
Safety device input	YES
Photocell input	2
Limit switch	4 inputs
Programming	Digital
Electric lock	YES - also 2 separate ones



EN 12453 FRIENDLY





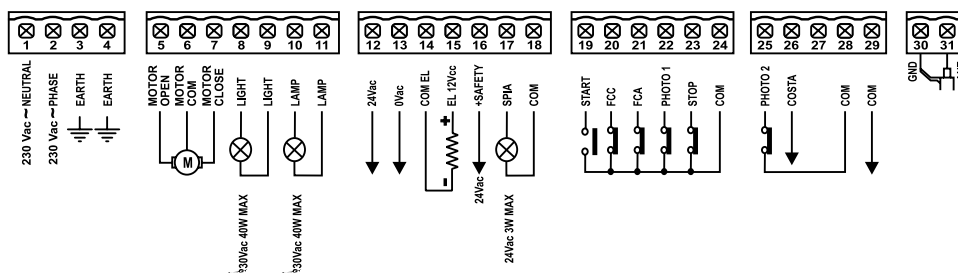
CONTROL UNITS.

112

BA100

230V

Motors	1 at 230 Vac (2 in parallel only - max. 700W)
Power supply	220-230 Vac
Swing gates	TOP291 - TOP391 - TOP441 - FLOOR850 - FLOOR880 - GROUND610 - BL233 - ART5000
Sliding gates	-
Overhead doors	MOD0500 - AUTOBOX3000
Barriers	-
Rising bollards	-
Rolling shutters	MPS 120 - MPS 120E - MPS 160 - MPS 160E - MPS 240 - MPS 240E
Pedestrian	NO
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	-
Safety device input	YES
Photocell input	2
Limit switch	2 inputs
Programming	Trimmers and DIP-Switches
Electric lock	YES



BA 100

Control unit

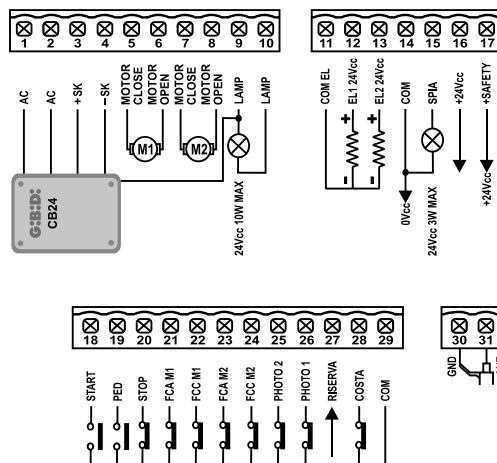
Cod.

AS05060

BA24

24V

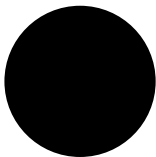
Motors	1 or 2 at 24 Vdc, with limit switch (max. 150W)
Power supply	220-230 Vac
Swing gates	GROUND624 - ART5024 - FLOOR854 - FLOOR884
Sliding gates	-
Overhead doors	AUTOBOX3024
Barriers	-
Rising bollards	-
Rolling shutters	-
Pedestrian	YES
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	YES
Safety device input	YES
Photocell input	2
Limit switch	4 inputs
Programming	Digital
Electric lock	YES - also 2 separate ones



ACCESSORIES



AJ01482
Battery back-up kit
for BA24 control unit.
Batteries are included



CONTROL UNITS.

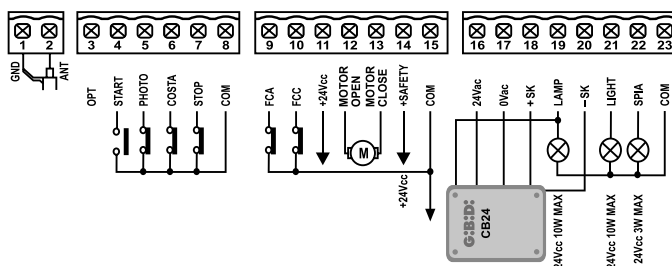
114

BSC24

24V

Motors	1 at 24 Vdc, with limit switch (2 in parallel only - max. 100W)
Power supply	220-230 Vac
Swing gates	-
Sliding gates	-
Overhead doors	AUTOBOX3024
Barriers	-
Rising bollards	-
Rolling shutters	-
Pedestrian	-
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	YES
Safety device input	YES
Photocell input	1
Limit switch	2 inputs
Programming	Trimmers and DIP-Switches
Electric lock	-

EN 12453 FRIENDLY



ACCESSORIES



AJ01482
Battery back-up kit
for BSC24 control unit.
Batteries are included

BSC 24

Control unit

Cod.

AS05030

BR24

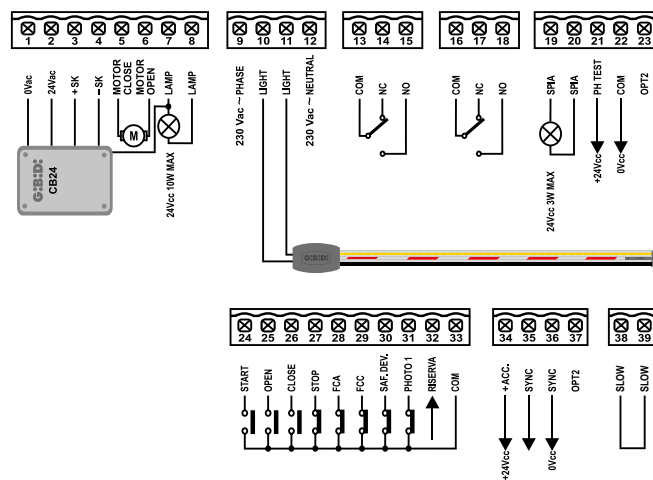
24V

115

Motors	1 at 24 Vdc, with limit switch (max. 150W)
Power supply	220-230 Vac
Swing gates	-
Sliding gates	-
Overhead doors	-
Barriers	BARR500
Rising bollards	-
Rolling shutters	-
Pedestrian	-
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	YES
Safety device input	YES
Photocell input	1
Limit switch	2 inputs
Programming	Digital
Electric lock	-



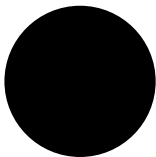
EN 12453 FRIENDLY



ACCESSORIES



AJ01482
Battery back-up kit
for BR24 control unit.
Batteries are included



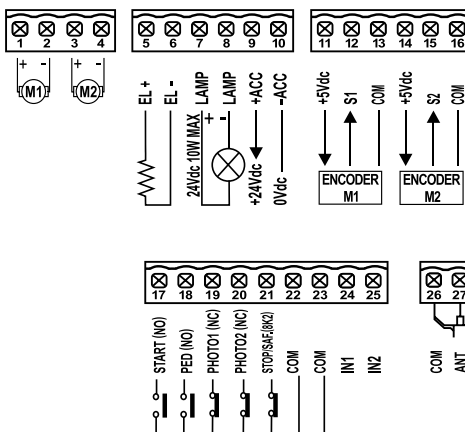
CONTROL UNITS.

116

BE24

24V

Motors	1 or 2 at 24 Vdc
Power supply	220-230 Vac
Swing gates	KUDA - AGO424E - AGO624E - SNAPPER - SERRA320
Sliding gates	-
Overhead doors	-
Barriers	-
Rising bollards	-
Rolling shutters	-
Pedestrian	YES
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	YES
Safety device input	YES
Photocell input	YES
Encoder	YES (also by time logic only)
Programming	Self-learning
Electric lock	YES
Embedded radio receiver	YES



ACCESSORIES



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

BE 24

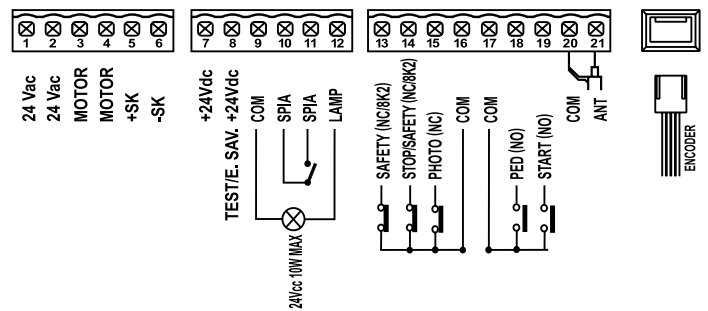
Control unit with embedded radio receiver

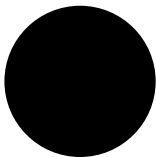
Cod.
AS05870

SE24

24V

Motors	1 at 24 Vdc
Power supply	220-230 Vac
Swing gates	-
Sliding gates	SL544
Overhead doors	-
Barriers	-
Rising bollards	-
Rolling shutters	-
Pedestrian	YES
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	YES
Safety device input	YES
Photocell input	YES
Encoder	YES
Programming	Self-learning
Embedded radio receiver	YES





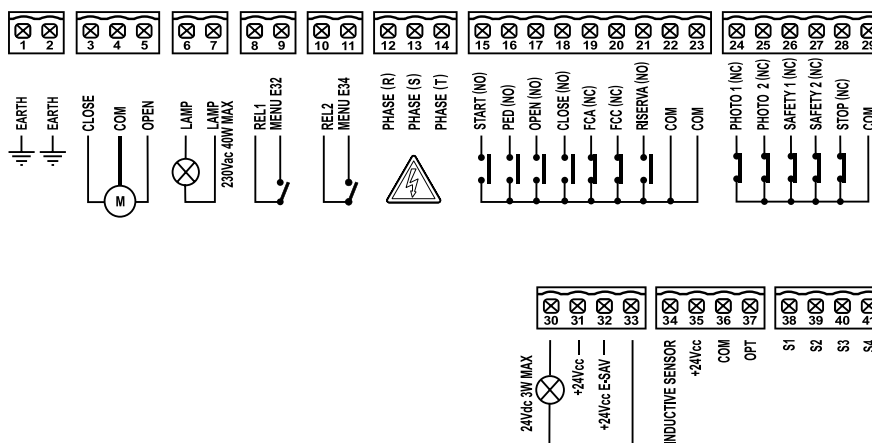
CONTROL UNITS.

118

SC380

230-380V

Motors	1 at 230 Vac - 50/60 Hz / 230/380 Vac - 3/phase 50/60 Hz
Power supply	230 Vac - 50/60 Hz / 230/380 Vac - 3/phase 50/60 Hz
Swing gates	TOP - BL233 - ART - GROUND - FLOOR
Sliding gates	SL800 - PASS600 - PASS800 - PASS1200 - PASS1800 - PASS2500
Overhead doors	-
Barriers	-
Rising bollards	TOUCHE100 - TOUCHE200
Rolling shutters	-
Pedestrian	YES
Force regulation	-
Deceleration functions	-
Anti-crushing safety device	-
Safety device input	YES
Photocell input	YES
Limit switch	YES
Programming	Digital
Electric lock	-



SC 380

Control unit with door-lock safety

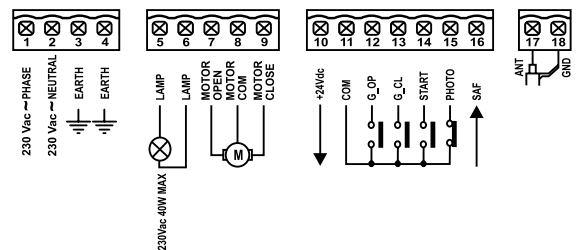
Cod.

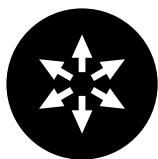
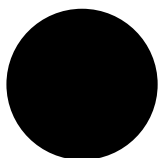
AS05800

SR100

230V

Motors	1 at 230 Vac (max. 700W)
Power supply	220-230 Vac
Swing gates	-
Sliding gates	-
Overhead doors	-
Barriers	-
Rising bollards	-
Rolling shutters	MPS 120 - MPS 120E - MPS 160 - MPS 160E - MPS 240 - MPS 240E
Force regulation	-
Deceleration functions	-
Anti-crushing safety device	YES, with edge
Safety device input	YES
Photocell input	1
Limit switch	Selectable on the edge
Programming	Trimmers and DIP-switches
Built-in radio	YES





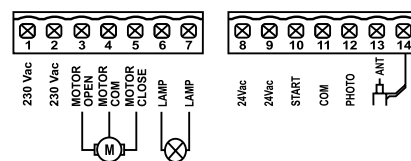
CONTROL UNITS.

120

SR2

230V

Motors	1 at 230 Vac
Power supply	220-230 Vac
Swing gates	-
Sliding gates	-
Overhead doors	-
Barriers	-
Rising bollards	-
Rolling shutters	MPS
Force regulation	-
Deceleration functions	-
Anti-crushing safety device	-
Safety device input	-
Photocell input	YES
Limit switch	YES
Programming	Self-learning
Embedded radio receiver	YES



SR 2

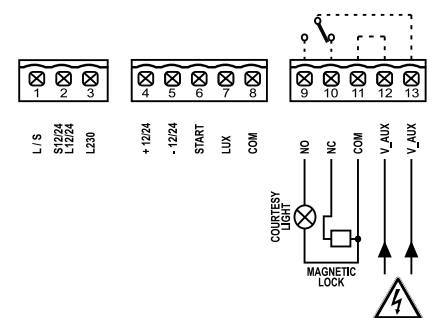
Control unit for central motor shutters with embedded radio receiver

Cod.

AS07000

CL100

Control	Courtesy light or electromagnet
Power supply	12/24 V ac/dc
Swing gates	YES
Sliding gates	YES
Overhead doors	YES
Barriers	YES
Rising bollards	YES
Rolling shutters	YES
Force regulation	-
Deceleration functions	-
Anti-crushing safety device	-
Safety device input	-
Photocell input	-
Limit switch	-
Programming	Trimmers and DIP-switches

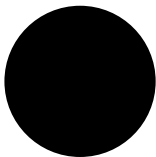


CL 100

Courtesy light card (plastic case not included)

Cod.

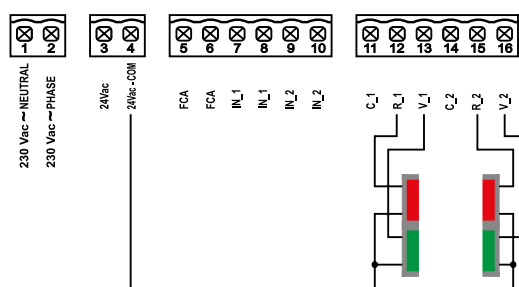
AS05200



CONTROL UNITS.

122 TL100

Control	Traffic lights
Power supply	220-230 Vac
Swing gates	YES
Sliding gates	YES
Overhead doors	YES
Barriers	YES
Rising bollards	YES
Rolling shutters	YES
Force regulation	-
Deceleration functions	-
Anti-crushing safety device	-
Safety device input	-
Photocell input	YES (command)
Limit switch	YES
Programming	Trimmers and DIP-switches
Built-in radio	-



Example of wiring connection with DCL series LED's lights, see page. 141

TL 100

Traffic light control unit

Cod.

AS05180

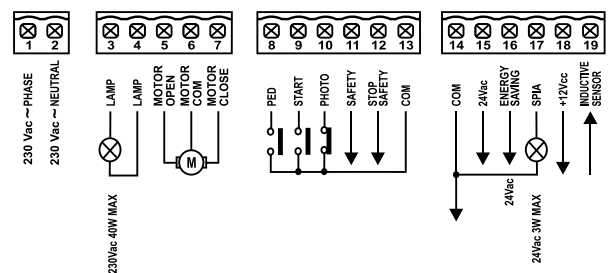
SC230E

230V

Motors	1 at 230 Vac
Power supply	220-230 Vac
Swing gates	-
Sliding gates	SL and PASS at 230 Vac
Overhead doors	-
Barriers	-
Rising bollards	-
Rolling shutters	-
Pedestrian	YES
Force regulation	YES
Deceleration functions	YES (by Encoder or by timer)
Anti-crushing safety device	YES (by Encoder)
Safety device input	YES
Photocell input	YES
Limit switch	YES
Programming	Self-learning
Built-in radio	-



FOR 230 VAC SL AND PASS ONLY



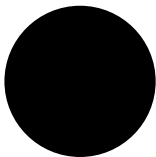
Cod.

SC 230E Spare control unit for SL400 - SL800 - PASS600 - PASS800

A90982P

SC 230E Spare control unit for PASS1200 - PASS1800

A90983P



CONTROL UNITS.

124

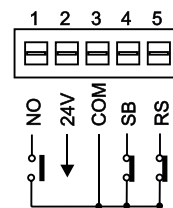
TAIMEN

24V

Motors	1 at 24 Vdc
Power supply	220-230 Vac
Swing gates	-
Sliding gates	-
Overhead doors	TAIMEN T6 - TAIMEN T12
Barriers	-
Rising bollards	-
Rolling shutters	-
Pedestrian	-
Force regulation	YES
Deceleration functions	YES
Anti-crushing safety device	YES
Safety device input	YES
Photocell input	YES
Lampeggiante	YES
Programming	Digital
Electric lock	-



FOR TAIMEN ONLY



T6 - T12

Spare control unit for TAIMEN - Digital version



1

Cod.

AS06070

	CB24	CB25
Control	Battery charger at 24 Vdc	Battery charger at 24 Vdc
Power supply	24 Vac	24 Vac
Swing gates	-	YES
Sliding gates	SL at 24 Vdc	YES
Overhead doors	-	YES
Barriers	-	YES
Rising bollards	-	-
Rolling shutters	-	-
Batteries	24 Vdc max 6,5 Ah	24 Vdc max 6,5 Ah
Force regulation	-	-
Deceleration functions	-	-
Anti-crushing safety device	-	-
Safety device input	-	-
Photocell input	-	-
Limit switch	-	-
Programming	-	-
Built-in radio	-	-

ACCESSORIES



AJ00605
battery back-up
case only,
for SL series



AJ00900
1,9Ah (12V) battery.
With 24V system
2 pcs are necessary



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

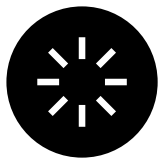
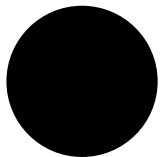


AJ01482
Battery back-up kit
for BA24, BR24 and
BSC24. CB25 and
batteries are included



Cod.

CB24	Battery charger card for AJ00605	1	AJ00606
CB25	Battery charger card for other containers	1	AJ00608

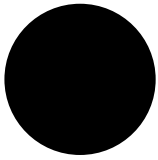


ACCESSORIES.

126



REMOTE CONTROLS	MAKO	PAGE 128
REMOTE CONTROLS	DTS - DRS	PAGE 130
MANAGER REMOTE CONTROLS	DTC - DRC	PAGE 132
FLASHLIGHT SYSTEM	DSL	PAGE 134
CONTAINERS	DRR	PAGE 136
PHOTOCELLS - KEY SELECTORS - POSTS	DC	PAGE 138
Ø 60 PHOTOCELLS - Ø 60 KEY SELECTORS - POSTS	DG	PAGE 142
SAFETY DEVICES	DS	PAGE 144



ACCESSORIES.

128

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
Size 42x48x25H mm

Pack of 1 pc.
Code **AU02540**

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**



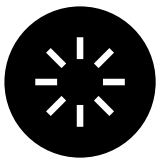
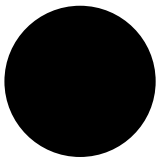
DRC 4334
4 channels stand alone
receiver for containers
model DRR1000, DRR2000
and DSL2000

Pack of 1 pc.
Code **AU02820**



DRC 4332
2 channels plug-in
receiver board
for control units

Pack of 1 pc.
Code **AU02930**



ACCESSORIES.

130

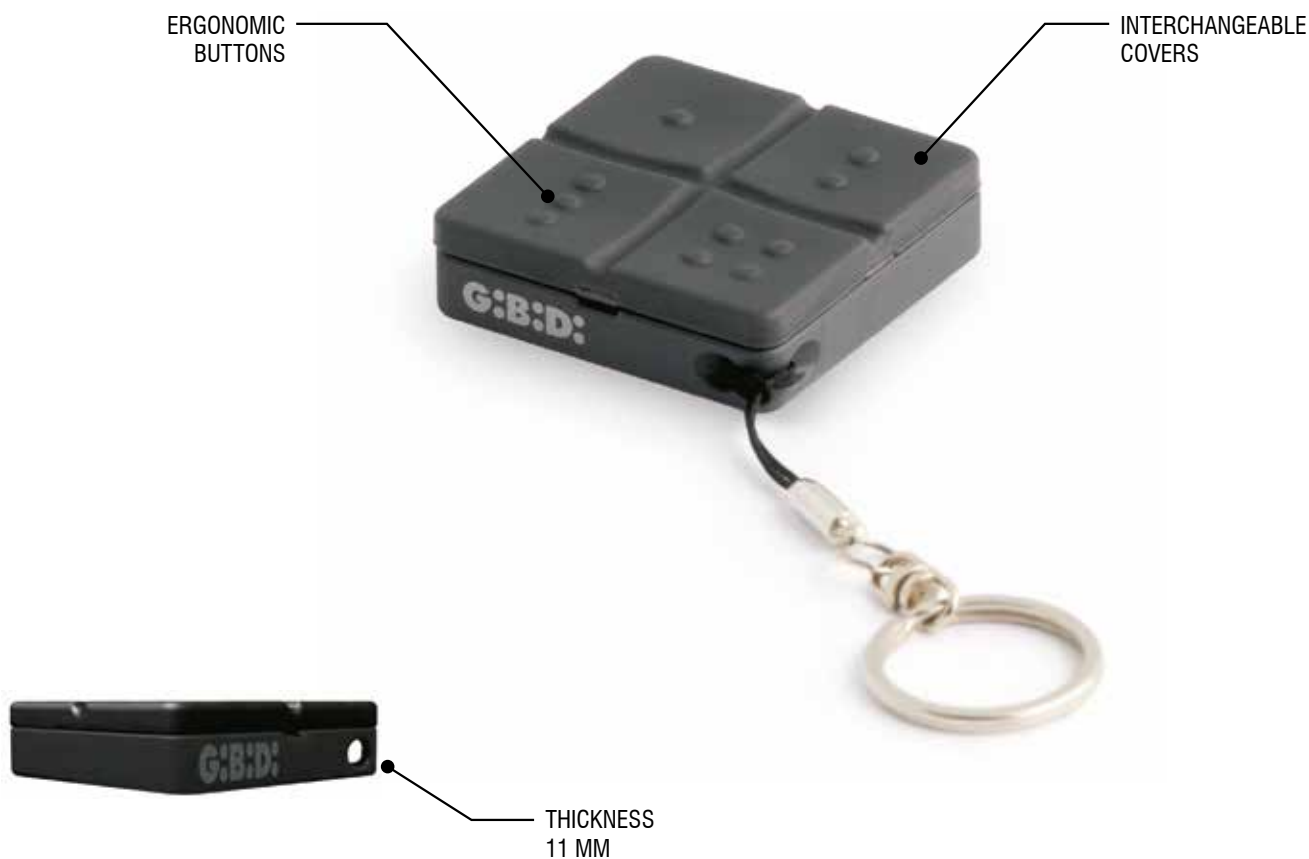
DOMINO

Dominates any type of system with the ease of a simple gesture that touches an object of high design.

DOMINO is reliable and user-friendly with its ergonomic small (but not too small) buttons. You can attach it to your key ring or secure it in your car using the fastening system included in the blister pack.

With the nifty accessories you can personalise your remote control in your favourite colour, in fact, the covers are easily interchangeable in just a few seconds.

DOMINO: the modern way of using the most advanced safety devices.



DTS - DRS

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**



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**



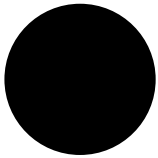
DRS 4332
2 channels plug-in receiver board for control units

Pack of 1 pc.
Code **AU02910**



DRS 4331
stand alone universal coding
1 channel radio receiver
Size 42x48x25H mm

Pack of 1 pc.
Code **AU02540**



ACCESSORIES.

132

MANAGER

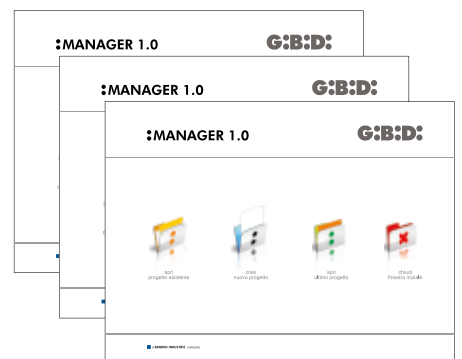
The programmer easy to use that allows the complete management of all the installations made with MANAGER series devices.

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

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

Pack of 40 pcs.
Code **AU0410**



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**

PROGRAMMER



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**



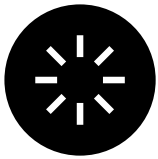
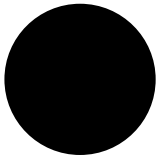
DCX 100
TRANSPONDER
receiver for
DCT100-200-300-400

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.

134

DSL

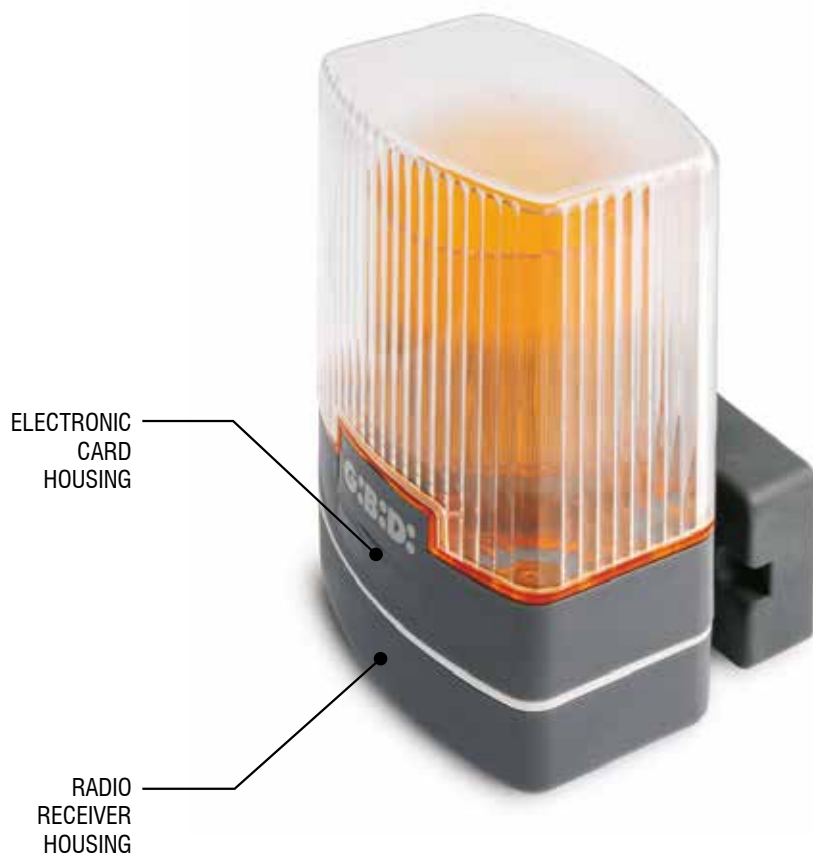
Yet another joy of modern technology and intelligent design applied to a flashlight.

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 flashlight unit
Code **70710**



DSL70724
24 Vdc complete flashlight unit
Code **70724**



DSL230L
230 Vac LED spare flashlight card
Code **AU02610**



DSL024L
24 Vdc LED spare flashlight card
Code **AU02624**

ACCESSORIES



AU02810
433 MHz stand-alone
4 channels radio receiver



AU02820
433 MHz stand-alone
4 channels radio receiver,
MANAGER SYSTEM



70187
433 MHz antenna
with 4 m cable

INSTALLATION LAY-OUT



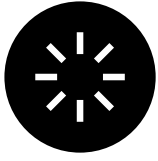
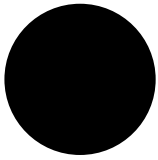
WALL-MOUNTED



ROTATING BASE



PILLAR-MOUNTED



ACCESSORIES.

136

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
433 MHz stand-alone
4 channels radio receiver



AU02820
433 MHz stand-alone
4 channels radio receiver,
MANAGER SYSTEM



70187
433 MHz antenna
with 4 m cable

INSTALLATION LAY-OUT



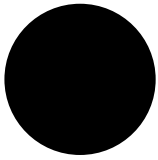
WALL-MOUNTED



ROTATING BASE



PILLAR-MOUNTED



ACCESSORIES.

138

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.

SPACER CAPS
FOR MODULARITY

FASTENING
RAILS



MODULARITY





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**



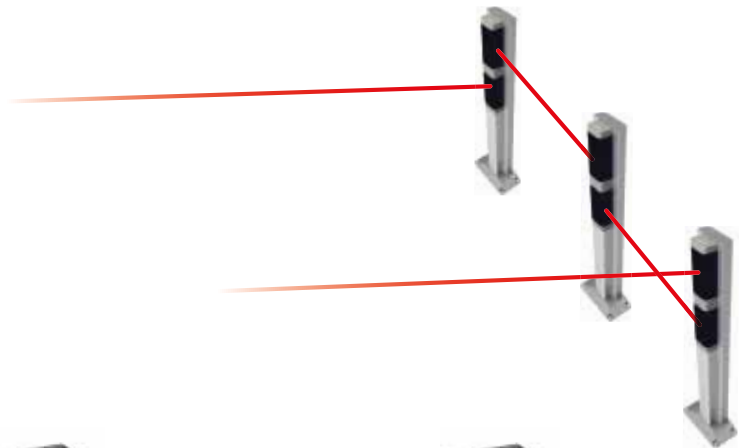
DCF180DB
Pair of synchronized digital photocells
with battery powered transmitter (batteries included),
180° rotation (12/24Vdc-ac) max range 20 m - IP54

Pack of 1 pc.
Code **AU02020**



DCB100
Spare battery kit
for DCF180DB 3V - 1100mA/h

Pack of 1 pc.
Code **AU01990**



DCS100
Wall-mounted key selector
with 3 keys - IP54

Pack of 1 pc.
Code **AU01940**



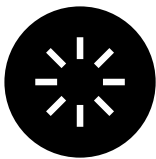
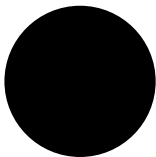
DCS200
Wall-mounted key selector
with Led light point with 3 keys - IP54

Pack of 1 pc.
Code **AU01950**



DCS300
Wall-mounted wireless key selector
with 3 keys - IP54

Pack of 1 pc.
Code **AU01960**



ACCESSORIES.

140

DC



DCX100
TRANSPONDER receiver for DCT 100, DCT 200, DCT 300 e DCT 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 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**



DCB200
Battery kit for DCD100. 7,2 V - 1100 mA/h

Pack of 1 pc.
Code **AU01995**



DCT 100
TRANSPONDER (rolling code) transmission device. Enabling frequency 125 KHz. Packets of 20 pcs. 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. Packets of 20 pcs. 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. Packets of 20 pcs. 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. Packets of 20 pcs. It can be customized with the MANAGER technology

Pack of 20 pcs.
Code **AU03070**



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 post H = 110 cm
for a single DCF, DCS
or DCL device

Pack of 2 pcs.
Code **70400**



DCA110-2
Aluminium post H = 110 cm
for a double DCF, DCS
or DCL device

Pack of 2 pcs.
Code **70410**



DCA055-1
Aluminium post H = 55 cm
for a single DCF or DCL device

Pack of 2 pcs.
Code **70420**



DCA200
Foundation plate
for DCA and DGA posts

Pack of 2 pcs.
Code **AU01980**



DCA100
Plastic lid to join
2 DCA devices

Pack of 4 pcs.
Code **AU01970**

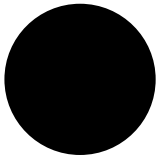


TLED
Ø 124 mm LED traffic light

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



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



ACCESSORIES.

142 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 Ø 60 built-in photocells
(12/24 Vdc-ac).
Maximum range 30 m - IP54

Pack of 1 pc.
Code **AU02260**



DGF200
Pair of Ø 60 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 post H110 cm
for a single DGF or DGS device

Pack of 2 pcs.
Code **70300**



DGA110-2
Aluminium post H110 cm
for a double DGF or DGS device

Pack of 2 pcs.
Code **70310**



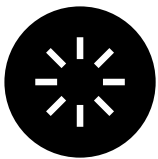
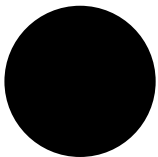
DGA055-1
Aluminium post H55 cm
for a single DGF device

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.

144

DS

8K2 SAFETY EDGES



DSG40
Conductive safety edge
H = 40 in rolls of 12 m

Pack of 1 pc.
Code **70600**



DSA200
Aluminium rail for
conductive edge L = 2 m

Pack of 6 pcs.
Code **70620**



DSK40
Kit to make up 6 frames H = 40.
Composed by 6 connectors with 8K2 resistor,
6 connector with 3 m cable, 12 end caps,
1 bottle of glue and 1 bottle of primer

Pack of 1 pc.
Code **70660**



DSF150
Pre-assembled H = 40
8K2 safety edge L = 1,5m

Pack of 1 pc.
Code **70630**



DSF180
Pre-assembled H = 40
8K2 safety edge L = 1,8 m

Pack of 1 pc.
Code **70640**



DSF200
Pre-assembled H = 40
8K2 safety edge L = 2 m

Pack of 1 pc.
Code **70650**



DSC90
Control unit for 8K2 safety edges
IP55

Pack of 1 pc.
Code **AS05090**



DSC80
EN 12978 certified 8K2
safety edges control unit - IP55

Pack of 1 pc.
Code **AS05080**

MECHANICAL RUBBER SAFETY EDGES



DSM150
Mechanical rubber safety edge
L = 1,5 m

Pack of 1 pc.
Code **70212**



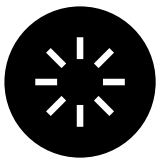
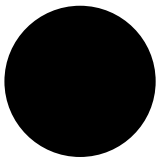
DSM170
Mechanical rubber safety edge
L = 1,7 m

Pack of 1 pc.
Code **70192**



DSM200
Mechanical rubber safety edge
L = 2 m

Pack of 1 pc.
Code **70193**



ACCESSORIES.

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

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

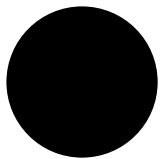
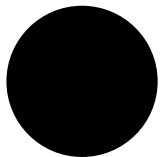
Warnings

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.

The data and the images provided in this publication are merely indicative, and can be changed at any moment.



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FOLLOW US ON



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CREATIVE AUTOMATIONS

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