

# CATALOGUE

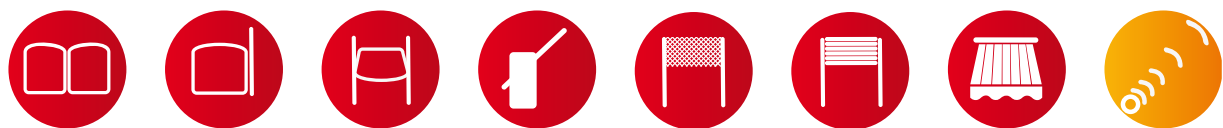
*Professional*



Made in Italy







# CATALOGUE

*Professional*

# INDEX

ABOUT US  
VISION  
Made in Italy WARRANTY

03  
05  
06



## SWING GATE AUTOMATION

Swing gate linear operator  
Swing gate with arm-driven operator  
Underground operator  
Electromechanical wheel-driven operator

07  
11  
19  
21  
23



## SLIDING GATE AUTOMATION



Rack-driven gear motor  
Chain-driven gear motor  
Racks  
Chains

25  
29  
33  
35  
36



## ROAD BARRIER

37

	<b>GARAGE DOOR AUTOMATION</b> 43	<b>ROLLING SHUTTER AUTOMATION</b> 49	<b>BLIND and AWNING AUTOMATION</b> 53	<b>CONTROL BOARDS</b> 59
	Sectional garage door opener 45			Swing gate control boards 61
	Counterweighted garage door opener 47			Sliding gate control boards 63
				Rolling shutter control boards 65
				<b>ACCESSORIES</b> 65
				<b>RADIO SYSTEMS</b> 67
				Radio receivers 69
				Aerials 69
				Radio transmitters 70
				
				<b>SAFETY SYSTEMS</b> 71
				Photocells 72
				Blinkers 73
				Safety edges 74
				Electro-locks 74
				<b>CONTROL SYSTEMS</b> 75
				Keypads 75
				Keyswitches 76
				Loop detectors 76

# About us



1976

1988  
New PIOBESI d'Alba  
headquarter

1989  
Birth of **ASTER**  
swing gate operator

1990  
Birth of **MOVER**  
sliding gate  
operator

1995  
Birth of **LEADER**  
swing gate operator

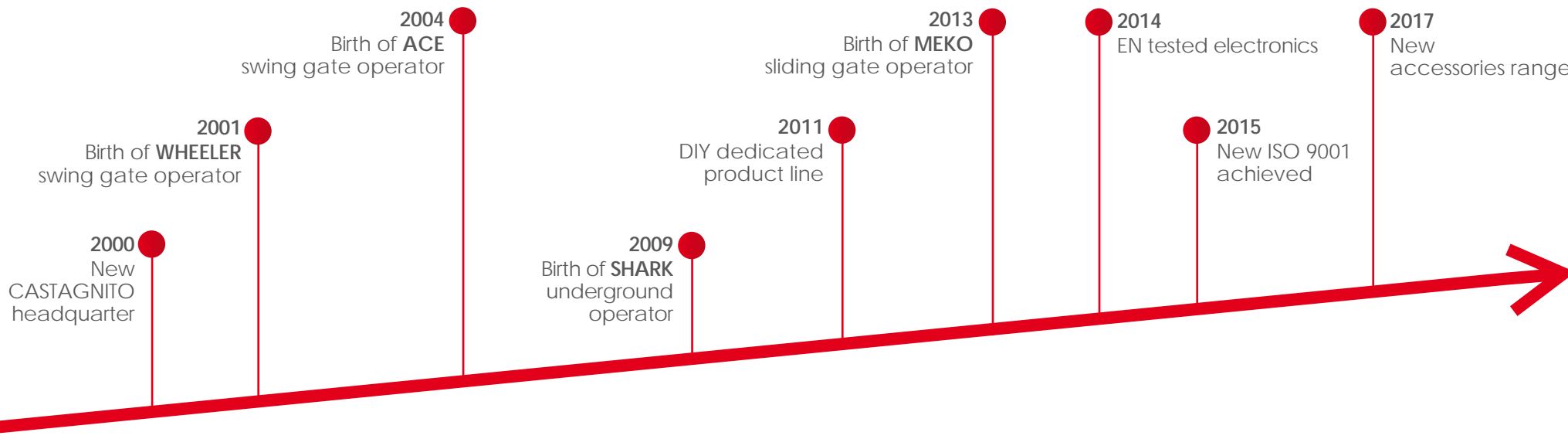
1996  
Export begins

1997  
PROTECO France:  
the first subsidiary

1998  
First PROTECO  
control board: Q32

1999  
Birth of  
**ADVANTAGE**  
swing gate  
operator





It has been more than 40 years that **PROTECO** is developing and manufacturing gate automation operators.

The initial domestic production has increasingly evolved into a relevant industrial reality by hanging on to certain principles: premium raw materials, strict control of the production phases and customer orientation. These three elements have set in time our strengths.

**PROTECO** is offering a complete range of automations for residential use, designed to meet all the needs of installers as well as end-users.

**PROTECO** is nowadays distributed in over 60 countries worldwide becoming a symbol of the **Made in Italy** product, reliable, durable and competitive.



# VISION

Proteco's value proposition will always be "**Made in Italy**".

Faithfulness to the Italian know-how will relentlessly lead our way.

Our products must provide the installer that "**total confidence**" which he can easily hand over to the end-user. We are going to hold tight our strengths and stand behind the technological race without losing our well-known mechanical reliability and our flexibility when it comes to meet all customers' needs.

Our salespersons will tirelessly supporting customers, our after-sales team will always secure a solution to a problem and our production team will never fail quality: this is the recipe to let our customers become the "**Made in Italy**" spokespersons around the world.



Made in Italy



## WARRANTY



years'  
warranty

PROTECO's quality management is guaranteed by the certificates obtained along the time:

- ✓ ISO9001:2008
- ✓ EMC harmonized standards: EN12445, EN12453
- ✓ CE Mark

As a result of this achievement, we feel confident in providing **3 years' warranty** all over our products







# Swing gate automation



# Swing gate

## Selection Guide



**ACE TI**  
Linear telescopic operator

ACE TI	max leaf 2,00 m	24V	→ ACE 3 24 TI	11
		115V, 230V	→ ACE 3 TI	11
	max leaf 3,00 m	24V	→ ACE 4 24 TI	11
		115V, 230V	→ ACE 4 TI	11
	max leaf 3,00 m	230V	→ ACE 4 TI REV	11



**ACE TA**  
Linear non-telescopic operator

ACE TA	max leaf 2,50 m	24V	→ ACE 4 24 TA	13
		with mechanical limit switch	→ ACE 4 24 TA FM	13
	115V, 230V	→ ACE 4 TA	13	
		with mechanical limit switch	→ ACE 4 TA FM	13



**LEADER TI**  
Electromechanical telescopic operator

LEADER TI	max leaf 2,00 m	24V	→ LEADER 3 24 TI	15
		115V, 230V	→ LEADER 3 TI	15
	max leaf 2,50 m	24V	→ LEADER 4 24 TI	15
	max leaf 2,80 m	115V, 230V	→ LEADER 4 TI	15
	max leaf 3,00 m	24V	→ LEADER 5 24 TI	15
max leaf 3,50 m	115V, 230V	→ LEADER 5 TI	15	



**LEADER TA**  
Electromechanical non-telescopic operator

LEADER TA	max leaf 2,50 m	24V	→ LEADER 4 24 TA	17
		with mechanical limit switch	→ LEADER 4 24 TA FM	17
	max leaf 2,80 m	115V, 230V	→ LEADER 4 TA	17
		with mechanical limit switch	→ LEADER 4 TA FM	17



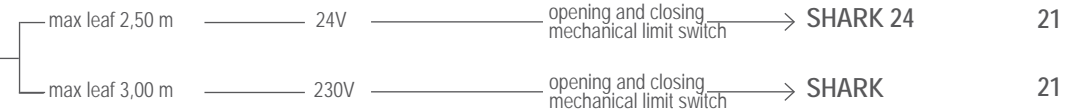
## Selection Guide



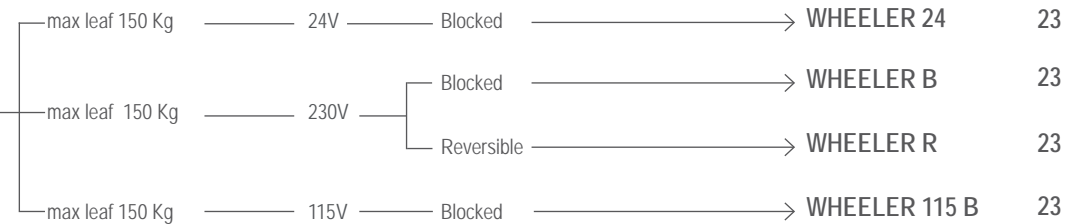
**ADVANTAGE** — max leaf 2,00 m  
Electromechanical operator  
with articulated arm



**SHARK**  
Underground gear motor



**WHEELER**  
Wheel-driven gear motor




# ACE TI

Linear telescopic operator for swing gates up to 3 m.

A very powerful and noiseless motor with a pipe fully made of aluminium and a strong gearing system made out of bronze are its main characteristics.

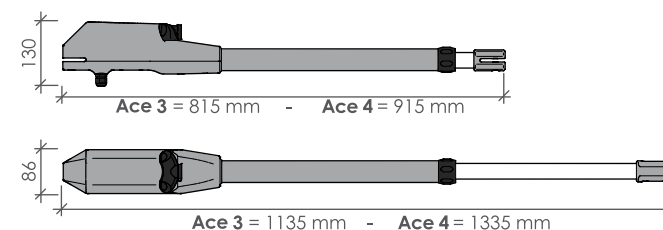
This electromechanical operator owns a key-lock release system for manual operations and it can easily fit any kind of swing gate. It can be supplied in 230V, 115V, 24V.

The 24V version is suitable for an intensive use and it can be equipped with a backup battery in case of power cut.

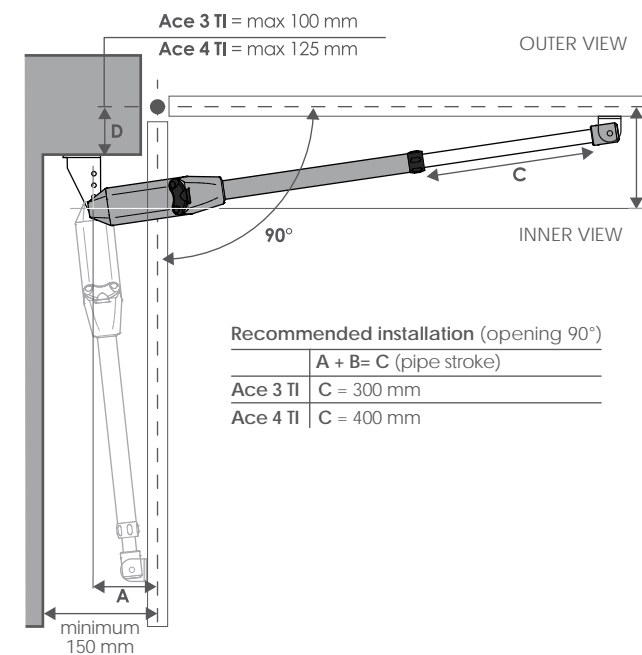
Model		Description	max leaf	max weight
Ace 3 TI	230V/115V	irreversible, leaf up to	2,0 m	350 Kg
Ace 4 TI	230V/115V	irreversible, leaf up to	3,0 m	400 Kg
Ace 4 TI REV	230V	reversible, leaf up to	3,0 m	350 Kg
Ace 3 TI 24	24V	irreversible, leaf up to	2,0 m	250 Kg
Ace 4 TI 24	24V	irreversible, leaf up to	3,0 m	300 Kg



## DIMENSIONS



## INSTALLATION OVERVIEW



## TECHNICAL FEATURES

	Ace 3	Ace 4	Ace 4 REV	Ace 3 115V	Ace 4 115V	Ace 3 24V	Ace 4 24V
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	24V dc	24V dc
Current	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A	3.1 - 3.3 A	3.1 - 3.3A	0.5 - 0.75A	0.5 - 7.5A
Motor power	300 W	300 W	250 W	300 W	300 W	50 W	50 W
Capacitor	10 µF	10 µF	8 µF	20 µF	20 µF	--	--
Thermic protection	150°C	150°C	150°C	150°C	150°C	--	--
Max thrust	3000 N	3000 N	2500 N	3000 N	3000 N	2500 N	2500 N
IP class protection	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	900 rpm	1700 rpm	1700 rpm	1600 rpm	1600 rpm
Max opening angle	120°	120°	120°	120°	120°	120°	120°
90° opening time	17"	22"	22"	15"	18"	15"	20"
Max leaf weight	350 Kg	400 Kg	350 Kg	350 Kg	400 Kg	250 Kg	300Kg
Max leaf length	2 m	3 m	3 m	2 m	3 m	2 m	3 m
Duty cycle	40%	40%	40%	40%	40%	80%	80%



# Kit ACE TI 230V



Linear telescopic operator

## Optional Accessories



Luce  
LED blinker



RF40  
Photocells



Angie  
4-ch transmitters



PANT01  
Aerial 433,92 MHz



Control board with  
433,92 MHz receiver



RS15  
Keypad



RT35 - RT36  
Keypad 12/24V



MRX01  
Extra radio channel  
aux module

## STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Control board
- 4 Keypad
- 5 CLOSING photocells
- 6 OPENING photocells
- 7 Operators
- 8 Iron posts for photocells



Made in Italy

# ACE TA


Linear non-telescopic operator for swing gates up to 2.5 m.

A very powerful and noiseless motor with a pipe fully made of aluminium and a strong gearing system made out of bronze are its main characteristics.

This electromechanical operator owns a key-lock release system for manual operations and it can easily fit any kind of swing gate. It can be supplied in 230V, 115V, 24V.

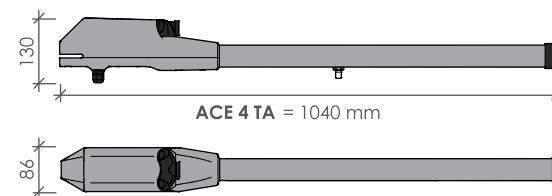
The 24V version is suitable for an intensive use and it can be equipped with a backup battery in case of power cut.

*It is also available with adjustable mechanical limit switch (FM version), which avoids the necessity to have a ground stoppers in closing position.*

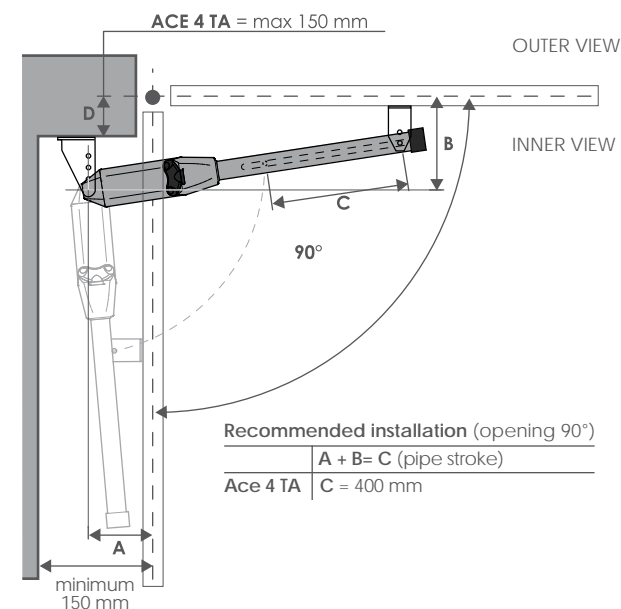
Model		Description	max leaf	max weight
Ace 4 TA	230V/115V	irreversible, leaf up to	2,5 m	350 Kg
Ace 4 TA FM	230V/115V	irreversible, leaf up to	2,5 m	350 Kg
Ace 4 TA 24	24V	irreversible, leaf up to	2,5 m	200 Kg
Ace 4 TA 24 FM	24V	irreversible, leaf up to	2,5 m	200 Kg



## DIMENSIONS



## INSTALLATION OVERVIEW



## TECHNICAL FEATURES

	Ace 4 TA	Ace 4 TA 115V	Ace 4 TA 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	3.1 - 3.3A	0.5 - 0.75A
Motor power	300 W	300 W	50 W
Capacitor	10 µF	20 µF	--
Thermic protection	150°C	150°C	--
Max thrust	3000 N	3000 N	2500 N
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Max opening angle	110°	110°	110°
90° opening time	22''	18''	20''
Max leaf weight	350 Kg	350 Kg	200 Kg
Max leaf length	2,5 m	2,5 m	2,5 m
Duty cycle	40%	40%	80%





# Kit ACE TA 230V



Linear non-telescopic operator

## Optional Accessories



**Luce**  
LED blinker



**RF40**  
Photocells



**Angie**  
4-ch transmitters



**PANT01**  
Aerial 433,92 MHz



Control board with  
433,92 MHz receiver



**RS15**  
Keyswitch



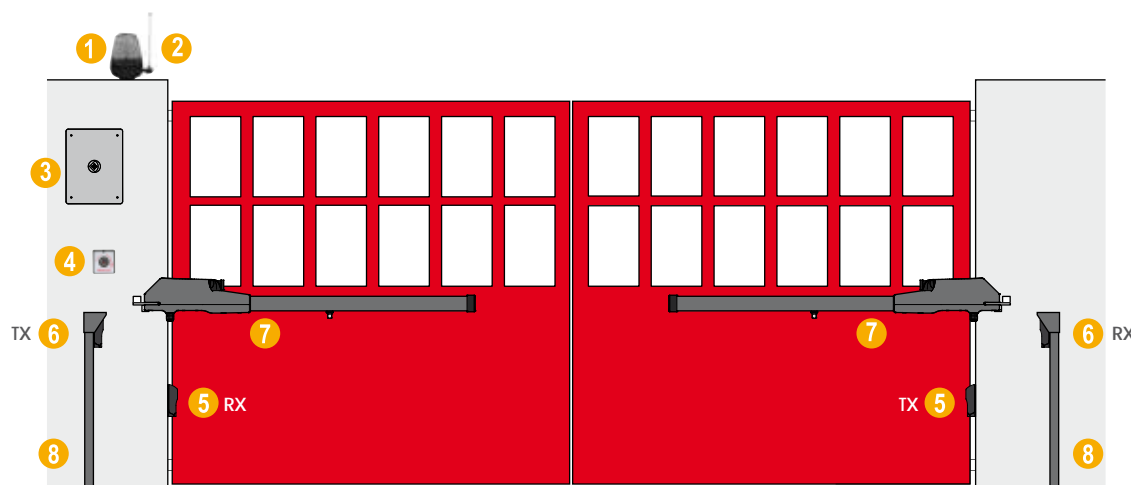
**RT35 - RT36**  
Keypad 12/24V



**MRX01**  
Extra radio channel  
aux module

### STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Control board
- 4 Keyswitch
- 5 CLOSING photocells
- 6 OPENING photocells
- 7 Operators
- 8 Iron posts for photocells



Made in Italy

# LEADER TI

Electromechanical telescopic operator for swing gates up to 3.5 m.

A reliable long-lasting motor with a pipe fully made of aluminium, a strong gearing system made out of bronze are its main characteristics.

This electromechanical operator owns a key-lock release system for manual operation and it can easily fit any kind of swing gate.

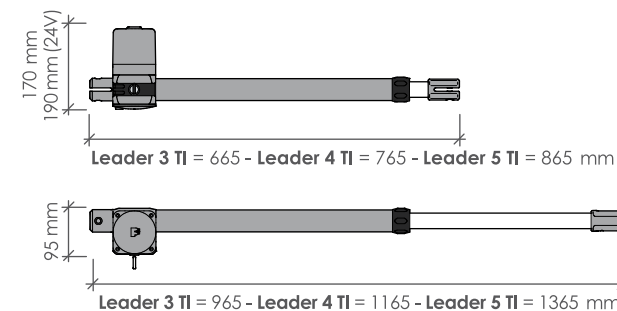
It can be supplied in 230V, 115V, 24V.

The 24V version is suitable for an intensive use and it can be equipped with a backup battery in case of power cut.

Model		Description	max leaf	max weight
LEADER 3 TI	230V-115V	irreversible, leaf up to	2,0 m	350 Kg
LEADER 4 TI	230V-115V	irreversible, leaf up to	2,8 m	350 Kg
LEADER 5 TI	230V-115V	irreversible, leaf up to	3,5 m	250 Kg
LEADER 3 TI 24	24V	irreversible, leaf up to	2,0 m	275 Kg
LEADER 4 TI 24	24V	irreversible, leaf up to	2,5 m	250 Kg
LEADER 5 TI 24	24V	irreversible, leaf up to	3,0 m	150 Kg

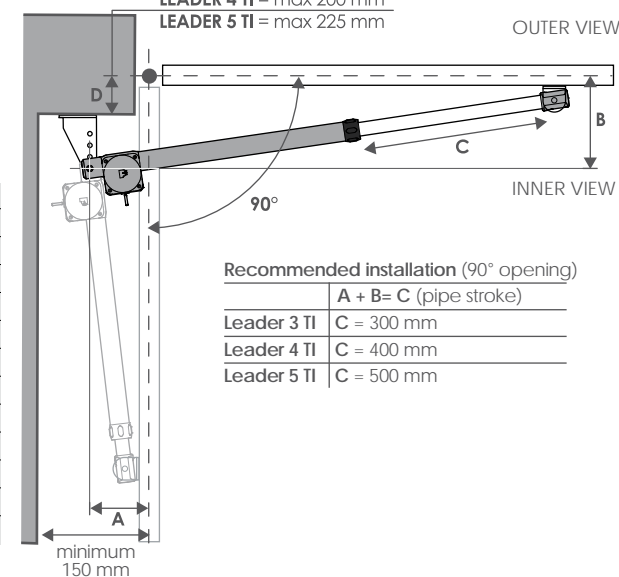


## DIMENSIONS



## INSTALLATION OVERVIEW

LEADER 3 TI = max 150 mm  
 LEADER 4 TI = max 200 mm  
 LEADER 5 TI = max 225 mm



### Recommended installation (90° opening)

	A + B = C (pipe stroke)
Leader 3 TI	C = 300 mm
Leader 4 TI	C = 400 mm
Leader 5 TI	C = 500 mm

## TECHNICAL FEATURES

	Leader 3	Leader 4	Leader 5	Leader 3 115V	Leader 4 115V	Leader 5 115V	Leader 3 24V	Leader 4 24V	Leader 5 24V
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	110V ~ 60Hz	110V ~ 60Hz	110V ~ 60Hz	24V dc	24V dc	24V dc
Current	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A	2.0 - 2.3A	2.0 - 2.3A	2.0 - 2.3A	0.5 - 0.75A	0.5 - 0.75A	0.5 - 0.75A
Motor power	280 W	280 W	280 W	300 W	300 W	300 W	50 W	50 W	50 W
Capacitor	8 µF	8 µF	8 µF	30 µF	30 µF	30 µF	--	--	--
Thermic protection	150°C	150°C	150°C	150°C	150°C	150°C	--	--	--
Max thrust	2800 N	2800 N	2800 N	3000 N	3000 N	3000 N	2500 N	2500	2500 N
IP class protection	44	44	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm	1700 rpm	1600 rpm	1600 rpm	1600 rpm
Max opening angle	110°	110°	110°	110°	110°	110°	110°	110°	110°
90° opening time	17"	22"	27"	14"	18"	22"	15"	20"	25"
Max leaf weight	350 Kg	350 Kg	250 Kg	300 Kg	250 Kg	200 Kg	275 Kg	250 Kg	150 Kg
Max leaf length	2 m	2.8 m	3.5 m	2 m	2.80 m	3.5 m	2 m	2.5 m	3 m
Duty cycle	40%	40%	40%	40%	40%	40%	80%	80%	80%



# Kit LEADER TI 230V



Electromechanical telescopic operator

## Optional Accessories



Luce  
LED blinker



RF40  
Photocells



Angie  
4-ch transmitters



PANT01  
Aerial 433,92 MHz



Control board with  
433,92 MHz receiver



RS15  
Keypad



RT35 - RT36  
Keypad 12/24V



MRX01  
Extra radio channel  
aux module

## STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Control board
- 4 Keypad
- 5 CLOSING photocells
- 6 OPENING photocells
- 7 Operators
- 8 Iron posts for photocells



Made in Italy

# LEADER TA

Electromechanical non-telescopic operator for swing gates up to 2.8 m.

A reliable long-lasting motor with a pipe fully made of aluminium, a strong gearing system made out of bronze are its main characteristics.

This electromechanical operator owns a key-lock release system for manual operations and it can easily fit any kind of swing gate. It can be supplied in 230V and 24V.

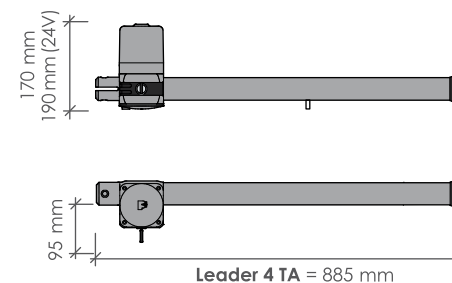
The 24V version is suitable for an intensive use and it can be equipped with a backup battery in case of power cut.

*It is also available with adjustable mechanical limit switch (FM version), which avoids the necessity to have ground stoppers.*

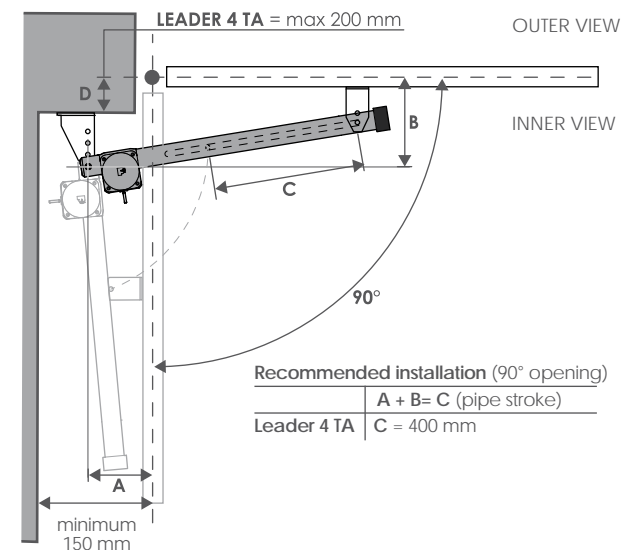


Model	Power	Description	max leaf	max weight
Leader 4 TA	230V/115V	irreversible, leaf up to	2,8 m	300 Kg
Leader 4 TA FM	230V/115V	irreversible, leaf up to	2,8 m	300 Kg
Leader 4 TA 24	24V	irreversible, leaf up to	2,5 m	200 Kg
Leader 4 TA 24 FM	24V	irreversible, leaf up to	2,5 m	200 Kg

## DIMENSIONS



## INSTALLATION OVERVIEW



## TECHNICAL FEATURES

	Leader 4 TA	Leader 4 TA 115V	Leader 4 TA 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	2.0 - 2.3A	0.5 - 0.75A
Motor power	280 W	300 W	50 W
Capacitor	8 µF	30 µF	--
Thermic protection	150°C	150°C	--
Max thrust	2800 N	3000 N	2500 N
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Max opening angle	110°	110°	110°
90° opening time	22''	18''	20''
Max leaf weight	300 Kg	200 Kg	200 Kg
Max leaf length	2.8 m	2.8 m	2.5 m
Duty cycle	40%	40%	80%



# Kit LEADER TA 230V



Electromechanical non-telescopic operator

## Optional Accessories



Luce  
LED blinker



RF40  
Photocells



Angie  
4-ch transmitters



PANT01  
Aerial 433,92 MHz



Control board with  
433,92 MHz receiver



RS15  
Keypad



RT35 - RT36  
Keypad 12/24V



MRX01  
Extra radio channel  
aux module

## STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Control board
- 4 Keypad
- 5 CLOSING photocells
- 6 OPENING photocells
- 7 Operators
- 8 Iron posts for photocells



Made in Italy

# ADVANTAGE


Electromechanical operator with articulated arm for swing gates up to 2 m.

A powerful noiseless electromechanical operator suitable for large pillars, inwards or outwards openings, wide angle openings.

It can be used anytime a traditional operator meets a limitation.

This operator owns an embedded control board and an adjustable electric limit-switch in order to safely adjust its cycles and meet most of the needs in terms of length and weights. This electromechanical operator can be supplied in 230V and 24V.

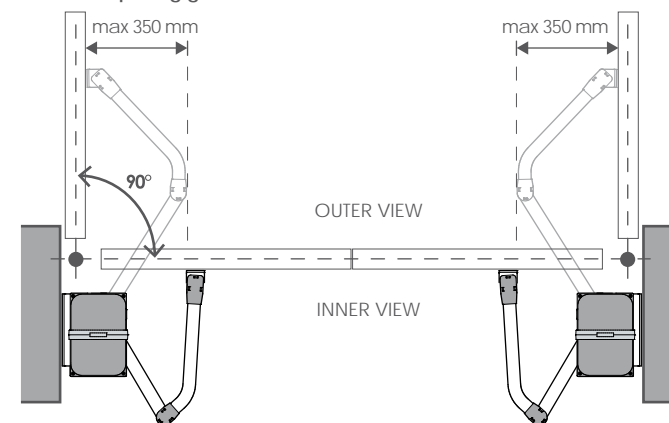
The 24V version is suitable for an intensive use and it can be equipped with a backup battery in case of power cut.

Model		Description	max leaf	max weight
Advantage	230V/115V	irreversible, leaf up to	2,0 m	250 Kg
Advantage Q80A	230V/115V	irreversible, leaf up to	2,0 m	250 Kg
Advantage 24	24V	irreversible, leaf up to	2,0 m	200 Kg

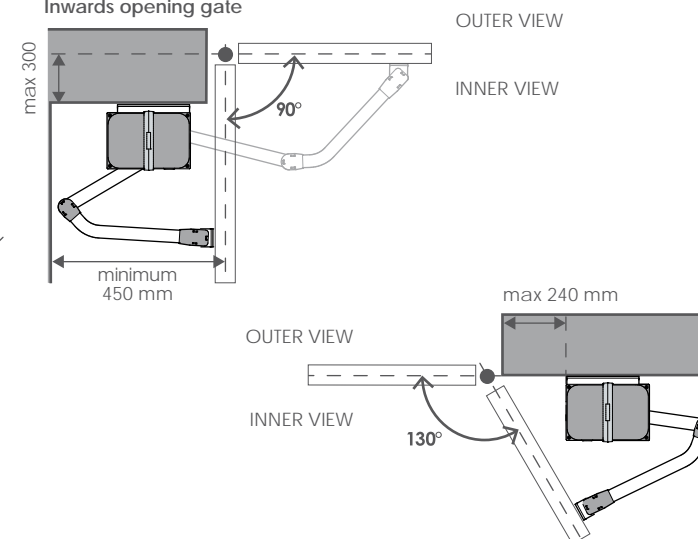


## INSTALLATION OVERVIEW

### Outwards opening gate



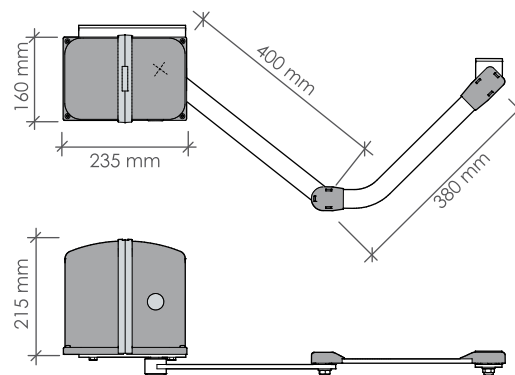
### Inwards opening gate



## TECHNICAL FEATURES

	Advantage	Advantage 115V	Advantage 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	2.0 - 2.3A	0.5 - 0.75A
Motor power	300 W	300 W	50 W
Capacitor	10 µF	30 µF	--
Thermic protection	150°C	150°C	--
Max thrust	280 Nm	280 Nm	200 Nm
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Max opening angle	130°	130°	130°
90° opening time	18"	14"	14"
Max leaf maximum weight	250 Kg	250 Kg	200 Kg
Max leaf maximum length	2 m	2 m	2 m
Duty cycle	40%	40%	80%

## DIMENSIONS





# Kit ADVANTAGE 230V



Gear motors with control board,  
433,92 MHz radio receiver



**Luce**  
LED blinker



**RF40**  
Photocells



**Angie**  
4-ch transmitters



**PANT01**  
Aerial 433,92 MHz



**RS15**  
Keyswitch



**RT35 - RT36**  
Keypad 12/24V



**MRX01**  
Extra radio channel  
aux module

## Optional Accessories

### STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Left gear motor  
with control board
- 4 Right gear motor
- 5 CLOSING photocells
- 6 OPENING photocells
- 7 Keyswitch
- 8 Iron posts for photocells



Made in Italy

# SHARK


Electromechanical underground operator for swing gates up to 3 m.

A strong gearing system made out of bronze and a noiseless powerful waterproof gear motor made fully of aluminium. This operator is the most discrete way to automate a gate. It owns built-in adjustable mechanical limit switches in opening and closing position.

It allows an opening angle up to 110° (standard) or 180° (adapter needed).

It can be supplied in 230V and 24V.

The 24V version is suitable for an intensive use and it can be equipped with a backup battery in case of power cut.

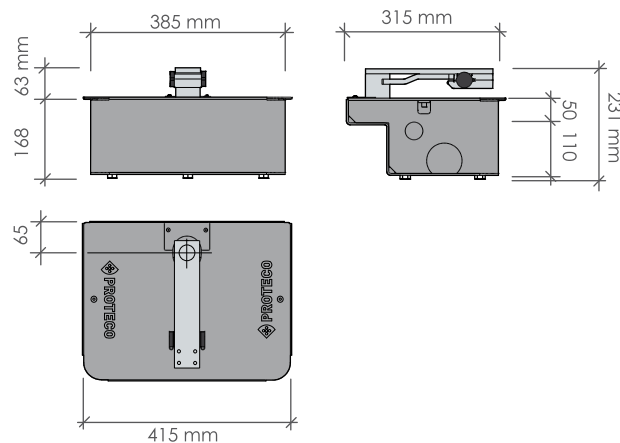
Model		Description	max leaf	max weight
SHARK	230V	irreversible, leaf up to	3,0 m	350 Kg
SHARK 24	24V	irreversible, leaf up to	2,5 m	200 Kg



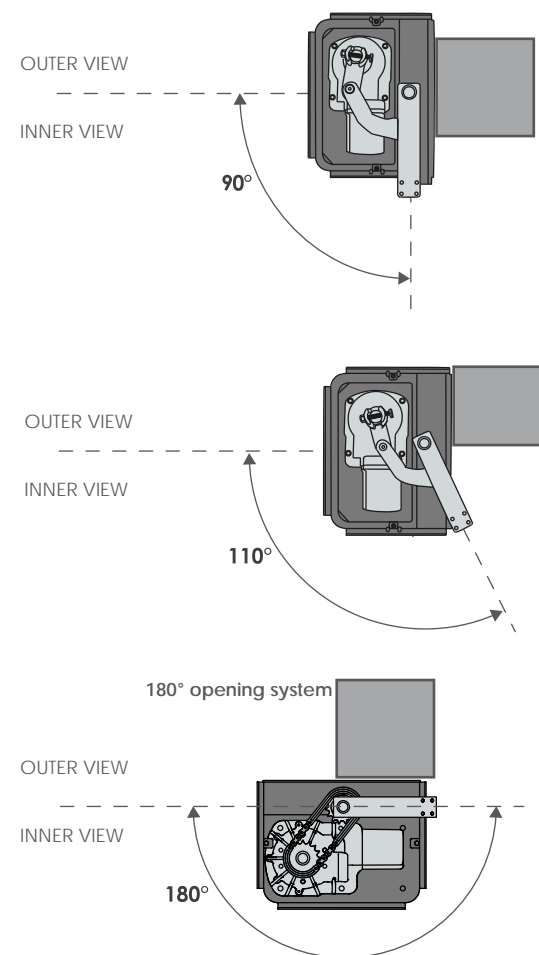
## TECHNICAL FEATURES

	Shark	Shark 24V
Power supply	230V - 50Hz	24V dc
Current	1.2 - 2A	0.5 - 0.75A
Motor power	300 W	50 W
Capacitor	10 µF	--
Thermic protection	150°C	--
Max thrust	350 Nm	230 Nm
IP protection class	66	66
Revolution speed	1400 rpm	1600 rpm
Max opening angle	110°	110°
90° angle opening time	17"	16"
Max leaf weight	350Kg	200 Kg
Max leaf length	3 m	2,5 m
Duty cycle	50%	90%

## DIMENSIONS



## INSTALLATION OVERVIEW







# Kit SHARK 230V



Underground gear motors with built-in mechanical limit switches

## Optional Accessories



A002 Foundation box  
Stainless steel



A008 180° opening system



RS15 Keypad



RT35 - RT36 Keypad 12/24V



MRX01 Extra radio channel aux module



Luce LED blinker



RF40 Photocells



Angie 4-ch transmitters

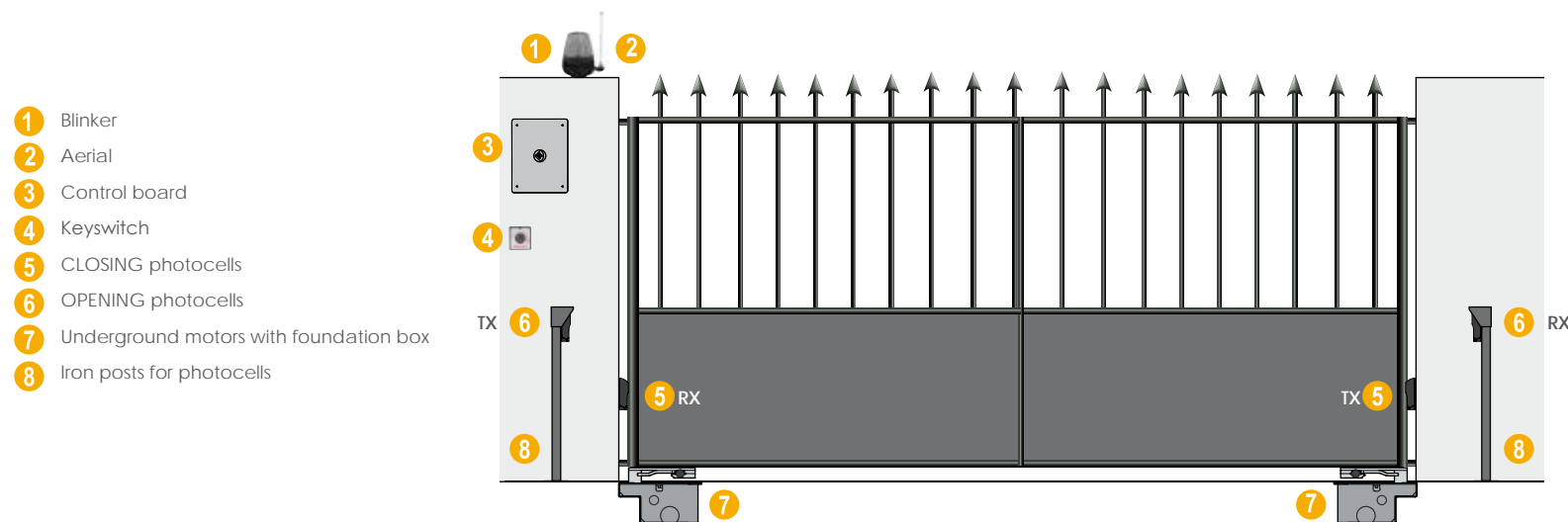


PANT01 Aerial 433,92 MHz



Control board with 433,92 MHz receiver

## STANDARD INSTALLATION



Made in Italy

# WHEELER

## Electromechanical wheel-driven operator for swing gates.


An unlimited opening angle and a peace-of-mind installation, regardless the pillar size, are its main characteristics. It can become the perfect solution for long and light gates, inwards or outwards openings or even for interior doors.

The fix bracket design allows the motor to compensate 20 cm gap caused by eventual inclination of the driveway.

It requires a good condition of the ground for the wheel to run properly.

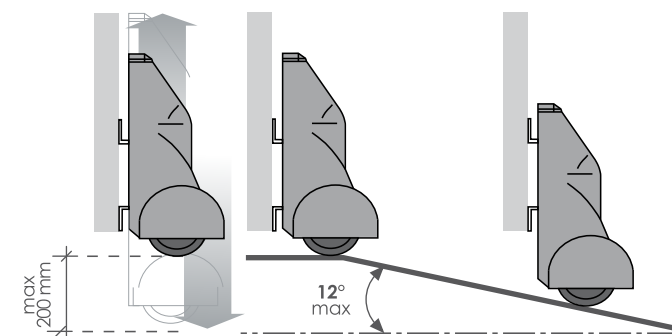
It can be supplied in 230V, 115, 24V.

The 24V version is suitable for an intensive use and it can be equipped with a backup battery in case of power cut.

Model		Description	max weight
WHEELER R	230V	reversible, leaf up to	150 Kg
WHEELER B	230V-115V	irreversible, leaf up to	150 Kg
WHEELER 24	24V	irreversible, leaf up to	150 Kg



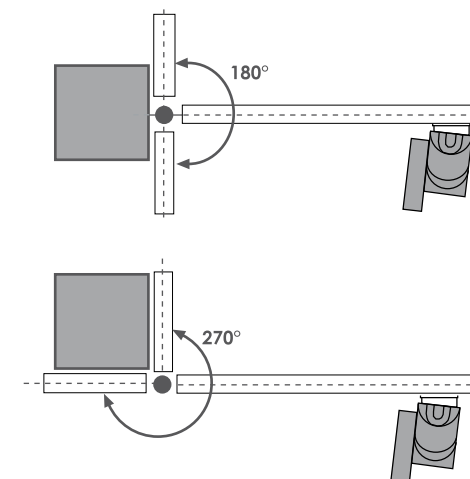
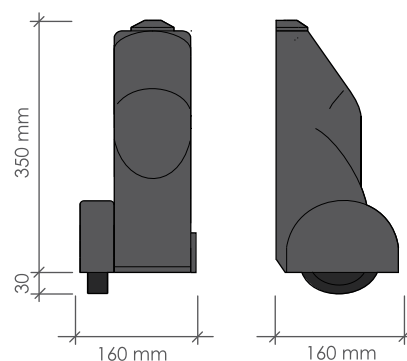
### INSTALLATION OVERVIEW



### TECHNICAL FEATURES

	Wheeler B	Wheeler R	Wheeler B 115V	Wheeler 24V
Power supply	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	1.2 - 1.7A	2.0 - 2.3A	0.5 - 0.75A
Motor power	280 W	250 W	300 W	50 W
Capacitor	8 µF	8 µF	30 µF	--
Thermic protection	150°C	150°C	150°C	--
Max thrust	11 Nm	10 Nm	11 Nm	8 Nm
IP class protection	44	44	44	44
Revolution speed	1400 rpm	900 rpm	1700 rpm	1600 rpm
Max opening angle	NO LIMIT	NO LIMIT	NO LIMIT	NO LIMIT
Opening speed	20 m/min	20 m/min	20 m/min	24 m/min
Max leaf weight	150 Kg	150 Kg	150 Kg	150 Kg
Duty cycle	30%	30%	30%	80%
Max rise/fall	200 mm	200 mm	200 mm	200 mm
Max inclination	12°	12°	12°	12°

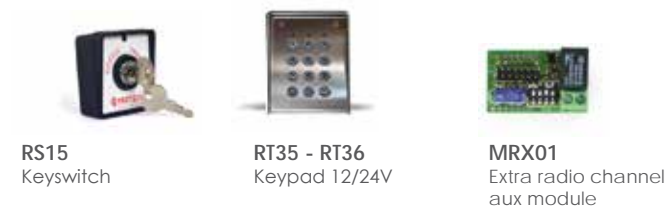
### DIMENSIONS



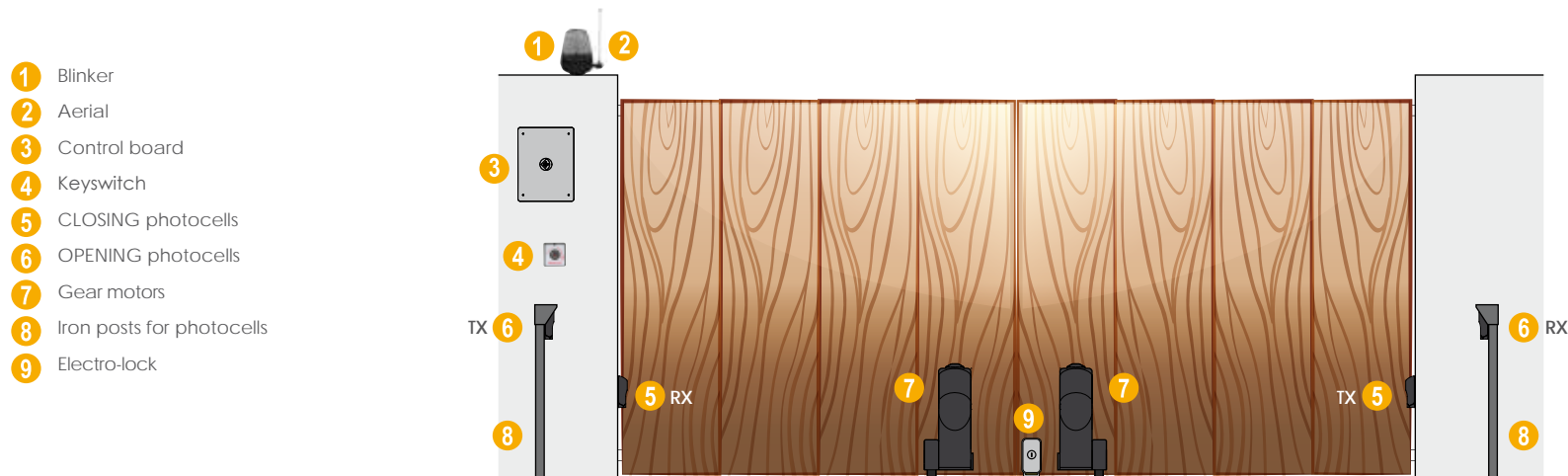


# Kit WHEELER 230V

## Optional Accessories



### STANDARD INSTALLATION



Made in Italy





# Sliding Gate Automation



# Sliding gates

## Selection Guide



**MEKO**  
Rack-driven gear motor

MEKO Rack-driven gear motor	450 Kg	24V	electro-mechanical limit switch	→	<b>MEKO 4</b>	29
	500 Kg	230V, 115V	electro-mechanical limit switch	→	<b>MEKO 5</b>	29
	800 Kg	230V, 115V	electro-mechanical limit switch	→	<b>MEKO 8</b>	29



**MOVER**  
Rack-driven gear motor

MOVER Rack-driven gear motor	500 Kg	230V, 115V	electromechanical limit switch	→	<b>MOVER 5</b>	31
			electromagnetic limit-switch	→	<b>MOVER MAG 5</b>	31
	800 Kg	230V, 115V	electromechanical limit switch	→	<b>MOVER 8</b>	31
			electromagnetic limit-switch	→	<b>MOVER MAG 8</b>	31
	1500 Kg	230V, 115V	electromechanical limit switch	→	<b>MOVER 15</b>	31
			electromagnetic limit-switch	→	<b>MOVER MAG 15</b>	31
380V		electromechanical limit switch	→	<b>MOVER 15 T</b>	31	



# Selection Guide



<b>CAT</b> Chain-driven gear motor	500 Kg	230V, 115V	→	<b>CAT 5</b>	33
	800 Kg	230V, 115V	→	<b>CAT 8</b>	33



**RACKS** 35



**CHAINS** 36

# MEKO


Electromechanical gear motor for rack-driven sliding gates up to 800 Kg.

A slim compact design, a key-lock release system, an adjustable fixing plate, a quick and noiseless performance are its main characteristics. It carries an embedded control unit with obstacle detection function and professional adjustment of all working parameters.

This rack-driven gear motor has been proven incredibly long-lasting and reliable.

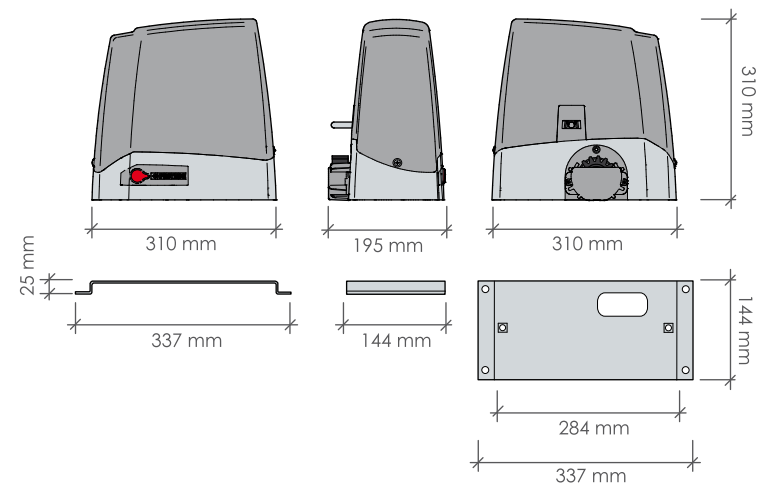
It can be supplied in 230V, 115V, 24V.

The 24V version is suitable for an intensive use and it can be equipped with an internal backup battery in case of power cut.

Model		Driving system	Limit-switch	Gate up to
MEKO 4	24V	rack	mechanical	450 Kg
MEKO 5	230V-115V	rack	mechanical	500 Kg
MEKO 8	230V-115V	rack	mechanical	800 Kg



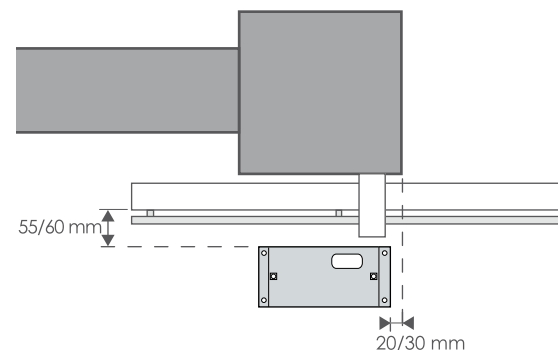
## DIMENSIONS



## TECHNICAL FEATURES

	Meko 4	Meko 5	Meko 8	Meko 5 115V	Meko 8 115V
Power supply	24V dc	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz
Current	0.7 - 10A	1.2 - 1.7A	1.2 - 2A	2.0 - 2.3A	2.8 - 3.2A
Motor power	80 W	250 W	300 W	280 W	330 W
Capacitor	--	8 µF	10 µF	30 µF	30 µF
Thermic protection	--	150°C	150°C	150°C	150°C
Max thrust	350 N	350 N	440 N	380N	460 N
IP class protection	44	44	44	44	44
Revolution speed	1600 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm
Opening speed	11 m/min	10,5 m/min	10,5 m/min	13 m/min	13 m/min
Max gate weight	450Kg	500 Kg	800 Kg	500 Kg	800 Kg
Duty cycle	80%	40%	40%	40%	40%

## INSTALLATION OVERVIEW







# Kit MEKO 230V



Rack-driven gear motor with embedded control board, 433,92 MHz radio receiver

## Optional Accessories



**B102**  
Galvanized steel rack  
M4 12x30x1000 mm



**RC 23**  
Safety edge  
2 m(L) x 60 mm(D)



**RS15**  
Keypad



**RT35 - RT36**  
Keypad 12/24V



**MRX01**  
Extra radio channel  
ux module



**Luce**  
LED blinker



**RF40**  
Photocells



**Angie**  
4-ch transmitters



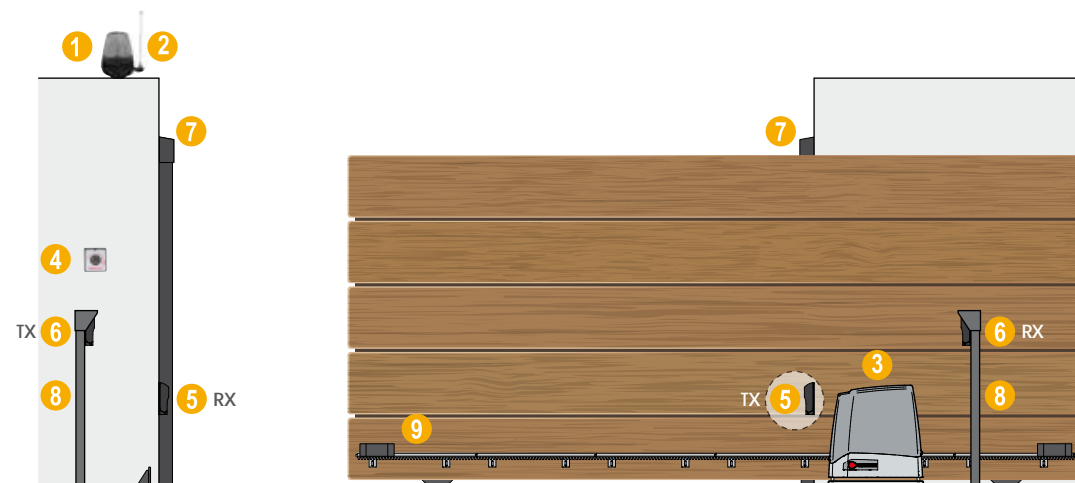
**PANT01**  
Aerial 433,92 MHz



**B117**  
Nylon coated rack - 4 m

## STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Rack-driven gear motor with control board
- 4 Keypad
- 5 CLOSING photocells
- 6 OPENING photocells
- 7 Safety edge
- 8 Iron posts for photocells
- 9 Rack



Made in Italy

# MOVER

Electromechanical gear motor for rack-driven sliding gates up to 1500 Kg.

Reduced motor dimensions, an adjustable fixing plate, a quick release system for manual operation are its main characteristics. It carries an embedded control unit with obstacle detection function and professional adjustment of all working parameters.

This rack-driven gear motor has been proven incredibly long-lasting and reliable. It can be supplied in 230V, 115V, 24V.

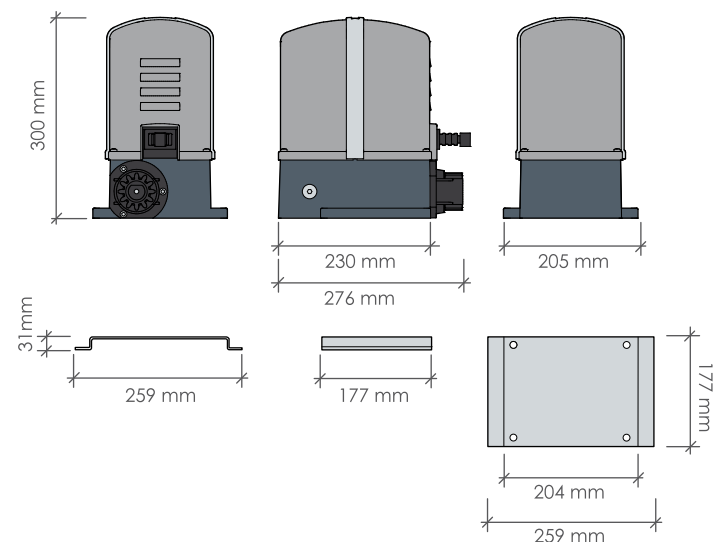
The 24V version is suitable for an intensive use and it can be equipped with an external backup battery in case of power cut.

*It is also available in the MAG version, provided with a magnetic limit switch which facilitate operations in case of dusty or snowy weather.*

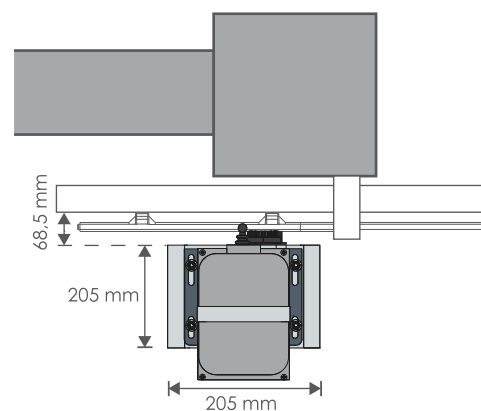
Model	Driving system	Limit-switch	Gate up to
<b>MOVER 5</b>	230V-115V rack	mechanical	500 Kg
<b>MOVER 8</b>	230V-115V rack	mechanical	800 Kg
<b>MOVER 15</b>	230V-115V rack	mechanical	1500 Kg
<b>MOVER MAG 5</b>	230V-115V rack	magnetic	500 Kg
<b>MOVER MAG 8</b>	230V-115V rack	magnetic	800 Kg
<b>MOVER MAG 15</b>	230V-115V rack	magnetic	1500 Kg
<b>MOVER 15 T</b>	380V rack	mechanical	1500 Kg



## DIMENSIONS



## INSTALLATION OVERVIEW



## TECHNICAL FEATURES

	MOVER 5	MOVER 8	MOVER 15	MOVER 5 115V	MOVER 8 115V	MOVER15 115V	MOVER15 T
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	115V ~ 60Hz	380V
Current	1.2 - 1.7A	1.2 - 2A	3A	2.0 - 2.3A	2.8 - 3.2A	6.4 - 6.6A	1.3A
Motor power	250 W	300 W	600 W	280 W	330 W	600 W	600 W
Capacitor	8 µF	10 µF	20 µF	30 µF	30 µF	60 µF	--
Thermic protection	150°C	150°C	150°C	150°C	150°C	150°C	150°C
Max thrust	350 N	440 N	550 N	380 N	460 N	600 N	600 N
IP class protection	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm	1700 rpm	1400 rpm
Opening speed	8.5 m/min	8.5 m/min	8.5 m/min	11 m/min	11 m/min	11 m/min	8.5 m/min
Max gate weight	500 Kg	800 Kg	1500 Kg	500 Kg	800 Kg	1500 Kg	1500 Kg
Duty cycle	40%	40%	40%	40%	40%	40%	40%

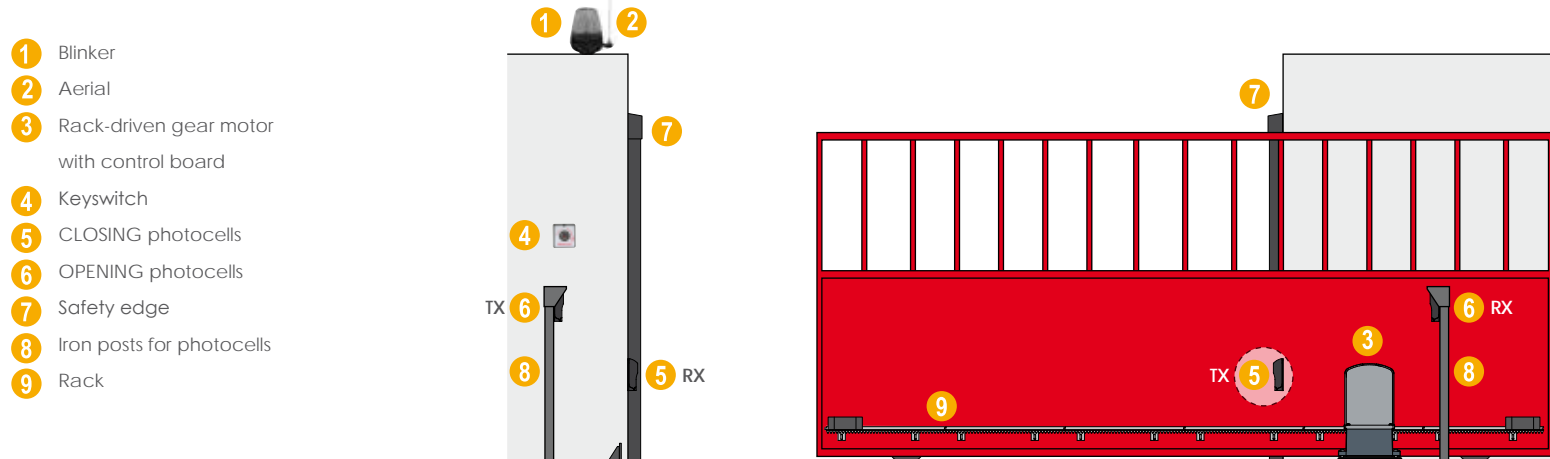


# Kit MOVER 230V

## Optional Accessories



### STANDARD INSTALLATION



Made in Italy

# CAT

Electromechanical gear motor for chain-driven sliding gates up to 800 Kg.

A good solution for all those gates whose mechanical conditions restrict the use of traditional rack-driven gear motors.


Reduced motor dimensions, an adjustable fixing plate, a quick release system for manual operation are its main characteristics.

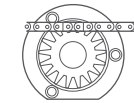
It carries an embedded control unit with obstacle detection function and professional adjustment of all working parameters.

The chain tightening system included allows a perfect installation and preserves the aesthetics of the gate.

It can be supplied in 230V, 115V, 24V.

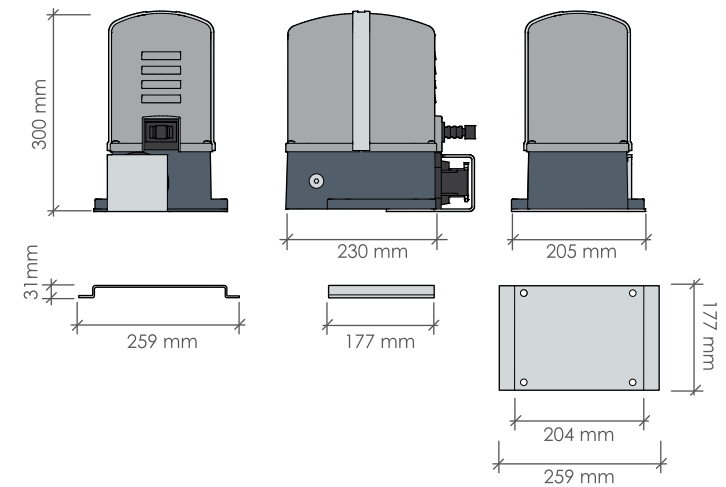
The 24V version is suitable for an intensive use and it can be equipped with an external backup battery in case of power cut.

Model		Driving system	Limit-switch	Gate up to
CAT 5	230V-115V	chain	mechanical	500 Kg
CAT 8	230V-115V	chain	mechanical	800 Kg



Pinion Z18 3/8 "

## DIMENSIONS



## TECHNICAL FEATURES

	CAT 5	CAT 8	CAT 5 115V	CAT 8 115V
Power supply	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz
Current	1.2 - 1.7A	1.2 - 2A	2.0 - 2.3A	2.8 - 3.2A
Motor power	250 W	300 W	280 W	330 W
Capacitor	8 µF	10 µF	30 µF	30 µF
Thermic protection	150°C	150°C	150°C	150°C
Max thrust	350 N	440 N	380 N	460 N
IP class protection	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	1700 rpm	1700 rpm
Opening speed	8.5 m/min	8.5 m/min	10 m/min	10 m/min
Max gate weight	500 Kg	800 Kg	500 Kg	800 Kg
Duty cycle	40%	40%	40%	40%



# Kit CAT 230V

Chain-driven gear motor with embedded control board, 433,92 MHz radio receiver



## Optional Accessories



RC 23  
Safety edge  
2 m(L) x 60 mm(D)



MRX01  
Extra radio channel  
aux module



RT35 - RT36  
Keypad 12/24V



RS15  
Keypad



C102  
5 meters chain 3/8 "



PANT01  
Aerial 433,92 MHz



Angie  
4-ch transmitters



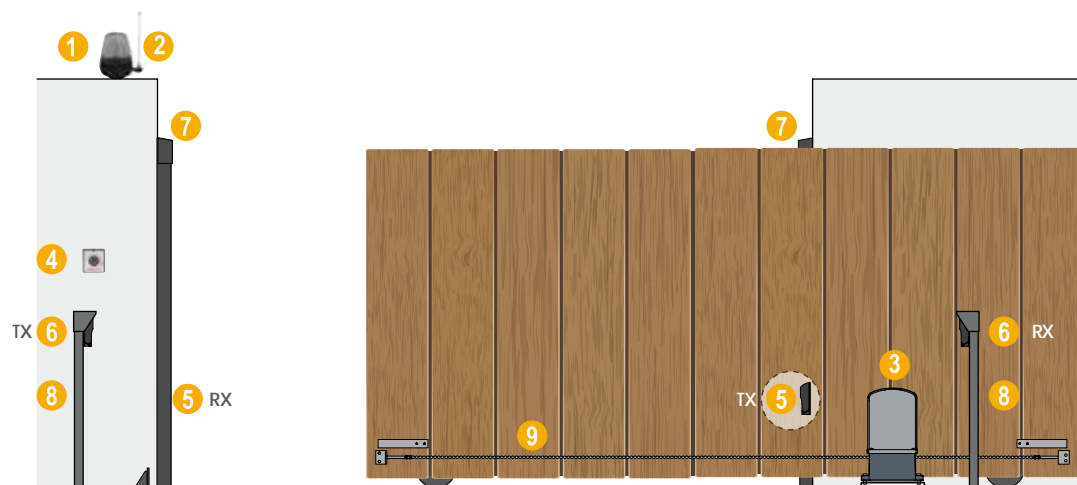
RF40  
Photocells



Luce  
LED blinker

## STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Chain-driven gear motor with control board
- 4 Keypad
- 5 CLOSING photocells
- 6 OPENING photocells
- 7 Safety edge
- 8 Iron posts for photocells
- 9 Chain



Made in Italy



## Racks

B102



---

B102 Galvanised toothed rack - 12x30mm - M4 - 1x1m bars

---

B114



---

B114 Nylon coated rack - inner metal core - 20x26mm - M4 - 1x1m bars

---

B117



---

B117 Nylon coated rack - inner metal core - 0x26mm - M4 - 2x0,5 m bars

---



## Chain

C102



---

C102 3/8 inches chain for CAT - min 5m and multiples

---







# Road barriers

## Selection Guide



PARK PLUS	— Boom length up to 3 m —————>	PARK PLUS 3	39
	— Boom length up to 4 m —————>	PARK PLUS 4	39
	— Boom length up to 6 m —————>	PARK PLUS 6	39



BARRY	— Boom length from 3,6 to 6m — 24V ———>	BARRY DC	41
	— Boom length from 3,6 to 6m — 230V ———>	BARRY	41


# PARK Plus

Road barrier for residential and multi-users driveways up to 6 m.

A full-galvanised aluminium body, an easy emergency release handle with safety micro-switch, and an adjustable balancing spring system are its main characteristics.

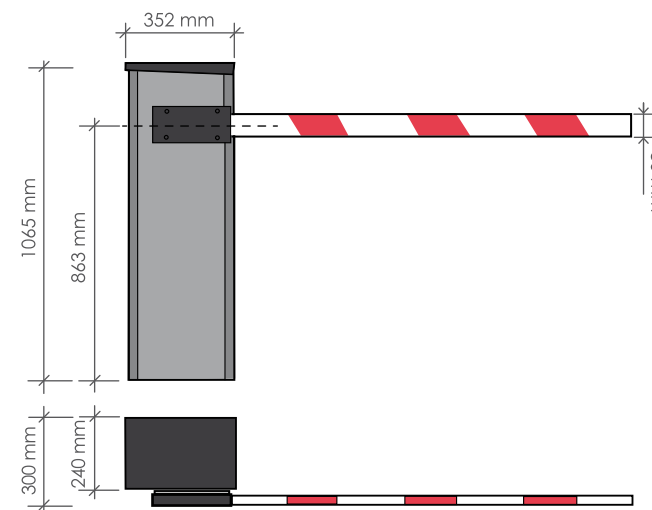
This road barrier is a one-version suitable for both right and left-handed openings, obstacle detection function and built-in radio receiver makes it suitable for residential and intensive use.

*The booms are available in squared or rounded aluminium shape from 3 m to 6 m.*

Model		Opening time	Opening
PARK Plus 3	230V	3.5"	3.0 m
PARK Plus 4	230V	8"	4.0 m
PARK Plus 6	230V	10"	6.0 m



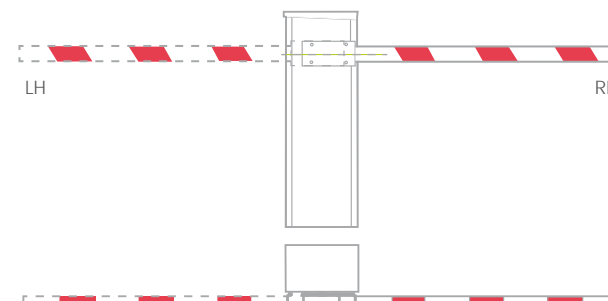
## DIMENSIONS



## TECHNICAL FEATURES

	PARK Plus 3	PARK Plus 4	PARK Plus 6
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz
Current	1.5A	1.2A	1.2A
Motor power	250 W	200 W	200 W
Capacitor	16 µF	10 µF	10 µF
IP protection class	44	44	44
Opening speed	3,5"	8"	10"
Boom length	3 m	4 m	6 m
Squared boom size	8x20x1,2 mm	8x20x1,2 mm	8x20x1,2 mm
Duty cycle	70%	70%	70%

## INSTALLATION OVERVIEW





## Optional Accessories



## STANDARD INSTALLATION

- 1 Blinker
- 2 Aerial
- 3 Keyswitch
- 4 Gear motor with control board and receiver
- 5 CLOSING photocells
- 6 Aluminium boom
- 7 Moving support



Made in Italy

# BARRY

Road barrier for residential and multi-access driveways up to 6.0 m.

A full aluminium body, an embedded LED blinker, adjustable mechanical and magnetic limit-switches, adjustable balancing spring system according to the length of the boom are its main characteristics.

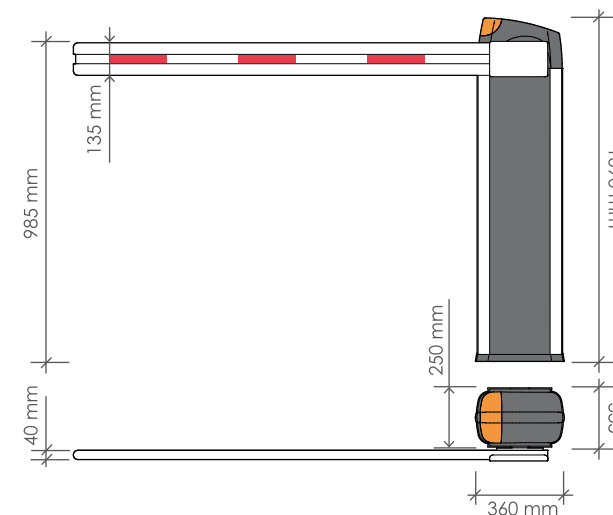
The telescopic boom is suitable for openings from 3.0 to 6.0 m. Obstacle detection function and built-in radio receiver makes it suitable for residential and intensive use.

It is available in 230V (fan-assisted motor) or 24V version (backup battery powered option).

Model		Opening time	Opening
BARRY	230V	6"	3,6 - 6 m
BARRY DC	24V	6"	3,6 - 6 m



## DIMENSIONS



## TECHNICAL FEATURES

	BARRY 230V AC	BARRY 24V DC
Power supply:	230V ~ 50Hz	230V ~ 50Hz
Motor power:	200W	160W
Absorption max.:	1,5A @230V	1,2A @230V
Revolutions:	2800 rev/min	1400 g/min
Opening time:	about 6 seconds	about 6 seconds
Automatic closing:	from 1 to 60 sec.	from 1 yo 60 seconds
Boom max. length:	6 m	6 m
Accessories:	12Vdc, 8W max.	24Vdc, 8W max.
Working temperature:	-20 +50 °C	-20 +50 °C
Radio frequency:	433,92 Mhz	433,92 Mhz

## INSTALLATION OVERVIEW

### OUTER VIEW





Road Barrier with embedded control board



Fixing tools



Fixed support

## Optional Accessories



**RG01**  
1-channel  
magnetic  
loop-detector



**RG02**  
2-channels  
magnetic  
loop-detector

## STANDARD INSTALLATION

- 1 Gear motor with control board and receiver
- 2 Blinker
- 3 Keyswitch
- 4 Aluminium boom
- 5 CLOSING photocells
- 6 Fix support







# Garage Door Automation

## Selection Guide



**LIBRA**  
Chain-driven garage door opener

Max lift 60 Kg → **LIBRA**  
Max lift 100 Kg → **LIBRA PLUS**

45

45



**SWING**  
Up-and-Over garage door opener

Max door width 8 m<sup>2</sup> → **SWING**

47


# LIBRA

Garage door opener for sectional and spring-balanced doors up to 12 m<sup>2</sup>.

A LCD display, a LED courtesy light, an automatic closing feature with encoder system, pre-assembled chain-driven rail included are its main characteristics.

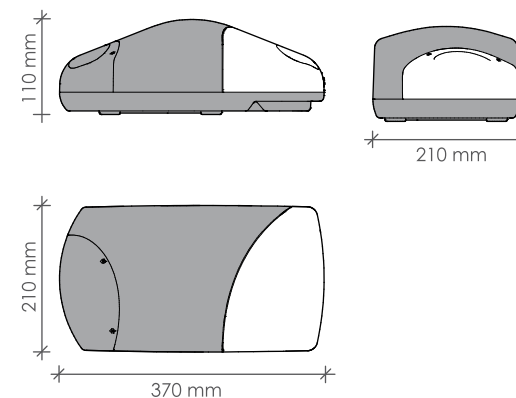
It is available in light and heavy use version, it is the right solution in case of small and medium sized doors.

It also suits to overhead balanced garage doors by using the optional adapting bracket.

Model		Force	Rail length	Max door
LIBRA	24V	700 N	3,0 m	60 Kg
LIBRA Plus	24V	1100 N	3,3 m	100 Kg



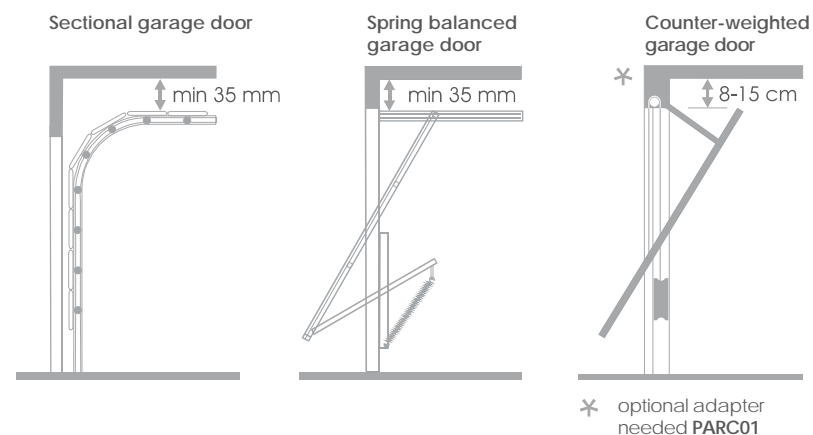
## DIMENSIONS



## TECHNICAL FEATURES

	LIBRA	LIBRA PLUS
Motor power supply	24Vdc	24Vdc
Stand-by consumption	4 W	4 W
Rated power	100 W	150 W
IP protection class	40	40
Pulling thrust	700 N	1100 N
Opening time	17"	17"
Max door size	8 m <sup>2</sup>	12 m <sup>2</sup>
Max door load	60 Kg	100 Kg
Max door height	2,4 m	2,7 m
Duty cycle	80%	80%
Rail	3 m	3,3 m

## INSTALLATION OVERVIEW







# Kit LIBRA



## Optional Accessories



### STANDARD INSTALLATION

- 1 Motor with control board and internal radio receiver
- 2 Courtesy light
- 3 Pulling bracket
- 4 Chain rail
- 5 CLOSING photocells
- 6 Keyswitch
- 7 Pulling bracket




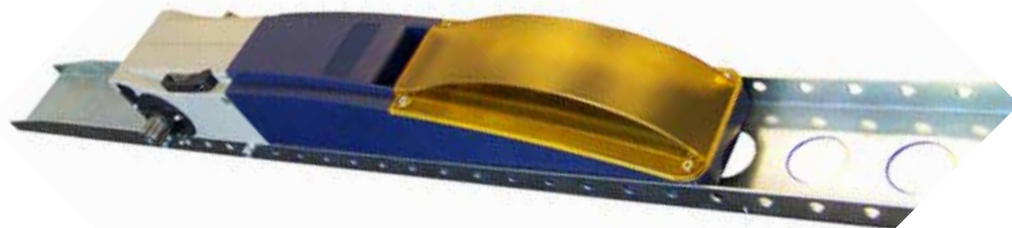
# SWING

230V electromechanical opener for counterweighted and spring-balanced overhead garage doors up to 8 m<sup>2</sup>.

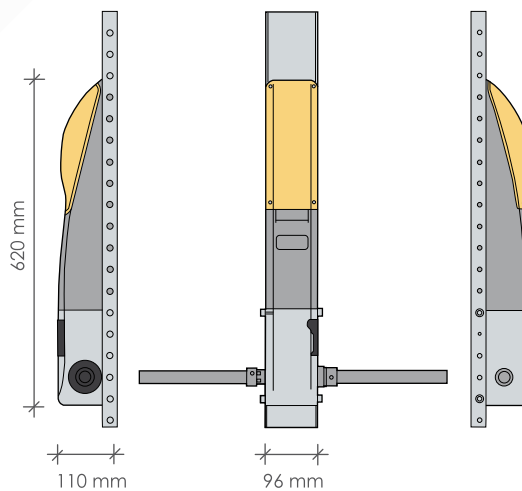
An irreversible gear motor with adjustable electromechanical limit switches, available with embedded control unit and built-in radio receiver, obstacle detection function, courtesy light and a handle for emergency manual release.

The fixing bar (1.2 m) is included.

Model		Fixing bar	Control board
SWING CN	230V	1,2 m	-
SWING	230V	1,2 m	Q80S



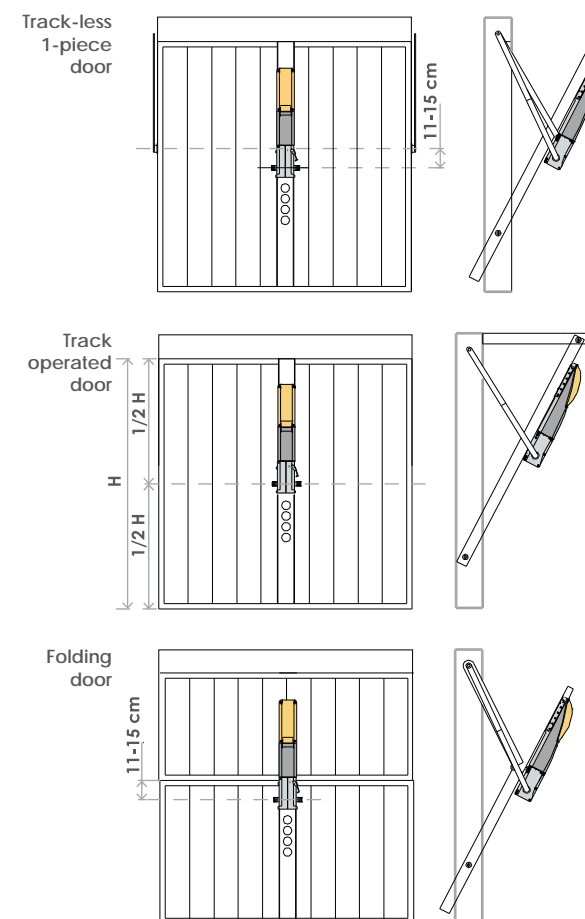
## DIMENSIONS



## TECHNICAL FEATURES

	SWING
Power supply	230V ~ 50Hz
Current	1.0A
Motor power	300 W
Capacitor	10 µF
IP protection class	54
Revolution speed	1400 rpm
Standard opening time	18"
Max door size	8 m <sup>2</sup>
Duty cycle	50%

## INSTALLATION OVERVIEW





## Optional Accessories



E 102/C  
Brackets set for CENTRAL fixing



E102/L  
Brackets set for SIDE fixing



Angie  
4-ch transmitters



RS15  
Keyswitch



Luce  
LED blinker



RF40  
Photocells



E101  
Emergency release kit  
for external opening



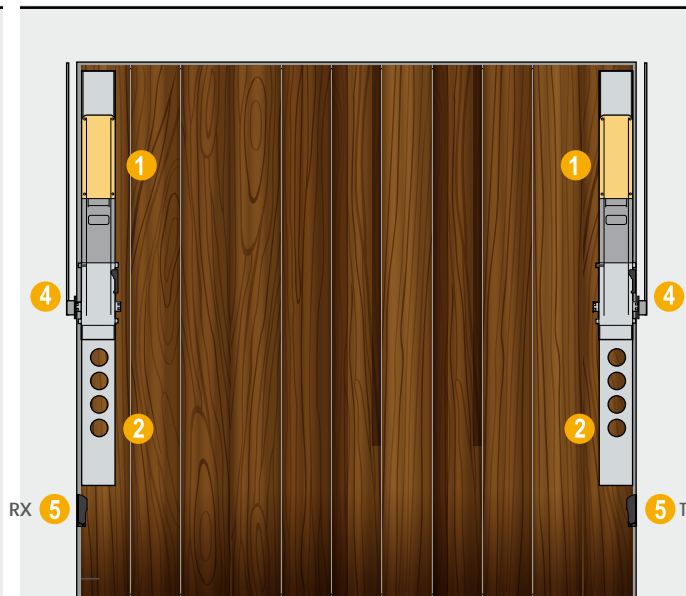
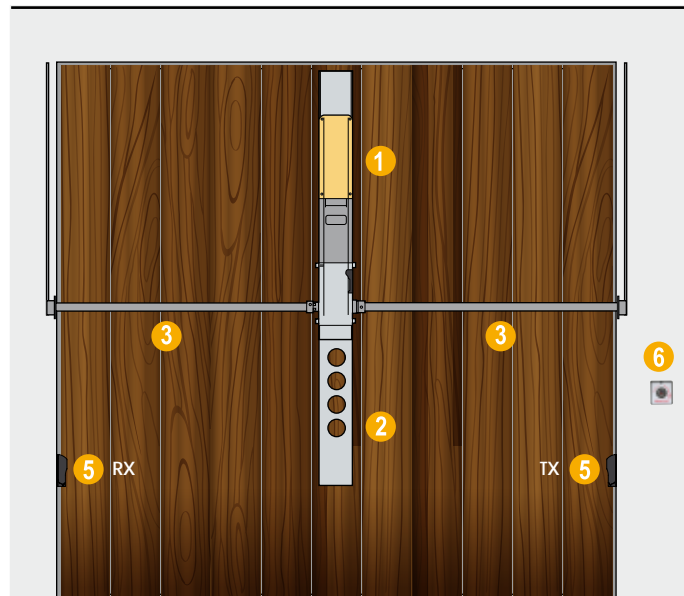
RC22  
Safety edge 25 mm  
(2,5 m length)

STANDARD INSTALLATION

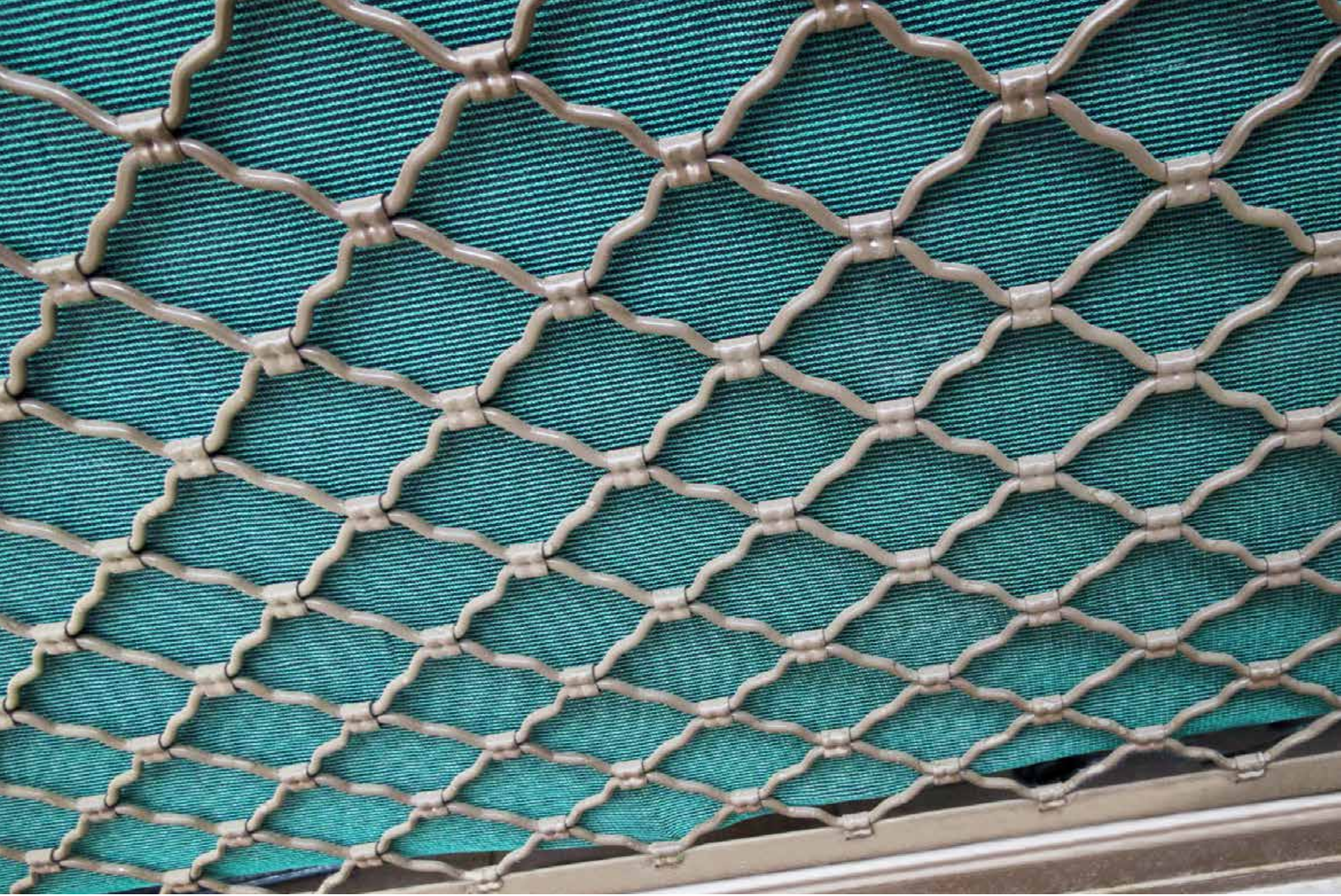
CENTRAL fixing

SIDE fixing

- 1 Motor with control board
- 2 Metal strut
- 3 Brackets set for CENTRAL fixing
- 4 Brackets set for SIDE fixing
- 5 CLOSING photocells
- 6 Keyswitch



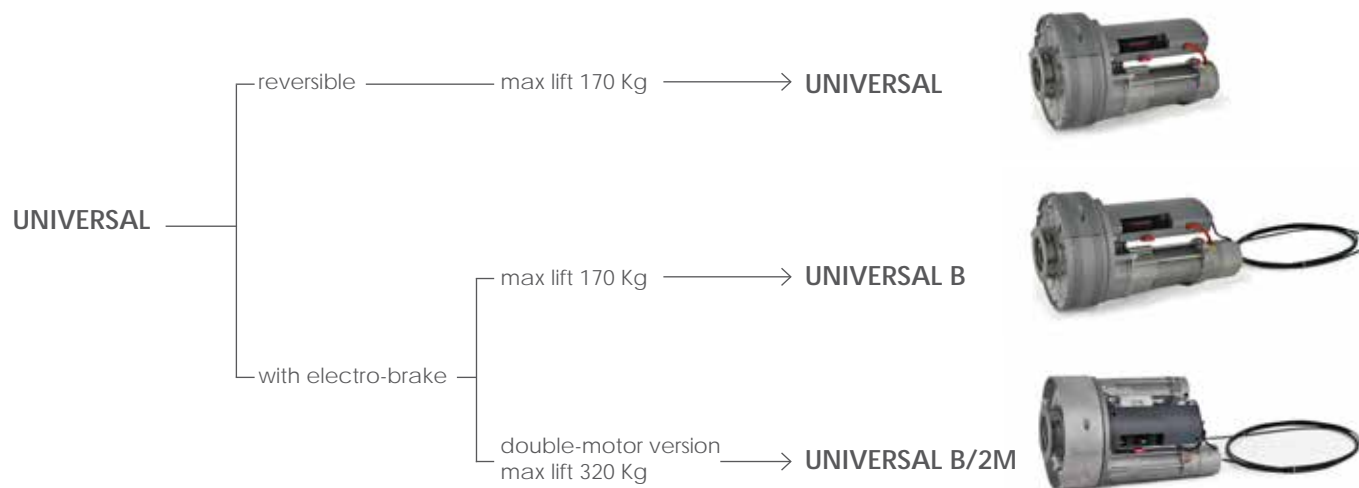
Made in Italy





# Rolling Shutter Automation

## Selection Guide



# UNIVERSAL

## Rolling shutter automation for industrial and residential use.

This 230V motor is available in a double motor with electro-brake, single motor with electro-brake or simply reversible without brake. Where needed the release system is included. The built-in limit switches easily allow setting the closing and opening positions.

This item is a positive solution to automate new and old shutters, the double motor version suits for large size shutters (up to 320 Kg).

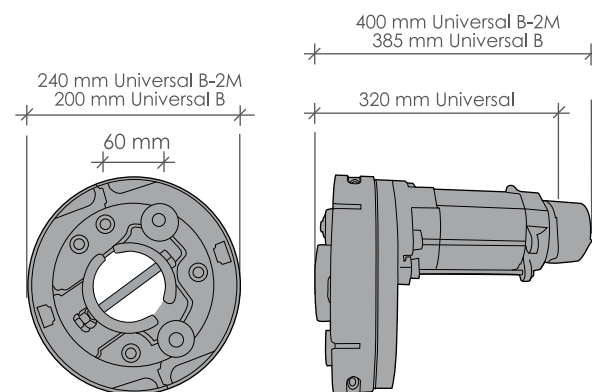
Model	Power	Version	Ø Shaft	Ø Springs-pulley	Max. load
<b>UNIVERSAL</b>	230V	Reversible	60-48 mm	200-220 mm	170 Kg
<b>UNIVERSAL B</b>	230V	Irreversible, with electro-brake	60-48 mm	200-220 mm	170 Kg
<b>UNIVERSAL B/2</b>	230V	Double-motor, irreversible with electro-brake	76 mm	240 mm	320 Kg



### TECHNICAL FEATURES

	UNIVERSAL	UNIVERSAL B	UNIVERSAL B-2M
Power supply	230V	230V	230V
Current	2.8A	2.8A	5.6A
Motor power	600 W	600 W	1200 W
Thrust	175 Nm	175 Nm	350 Nm
Pulley speed	10 rpm	10 rpm	8 rpm
Max load	170 Kg	170 Kg	320 Kg
Max stroke	6 m	6 m	6 m
Drive-shaft diameter	60/48 mm	60/48 mm	76 mm
Spring-holder pulley	200/220 mm	200/220 mm	240 mm
Duty cycle	30%	30%	30%

### DIMENSIONS





## Optional Accessories



**RT23**  
Safe box with push-button  
and release lever



**Luce**  
LED blinker



**Angie**  
4-ch transmitters



**RS16**  
Two-micro  
keyswitch



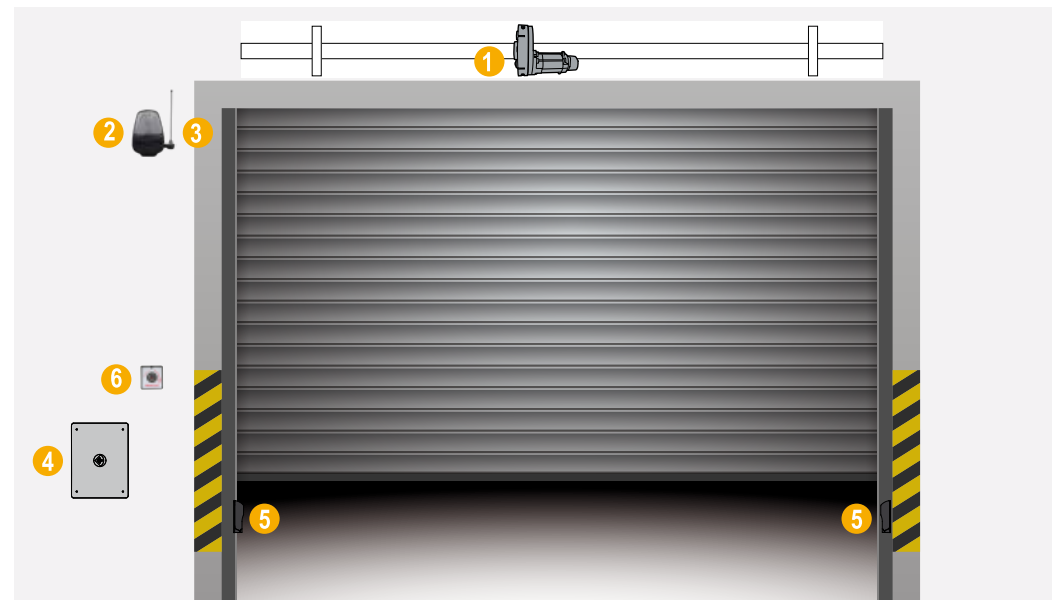
**RF40**  
Photocells



**Q45**  
Control board 230V  
for rolling shutter

### STANDARD INSTALLATION

- 1 Gear motor
- 2 Blinker
- 3 Aerial
- 4 Control board
- 5 CLOSING photocells
- 6 Keyswitch



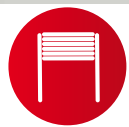
Made in Italy







Awnings



Blinds





# Awnings

## Selection Guide



Ø70 mm tubular motor  
Intersect the value of the extension with  
the number of arms of the awning.

		Arms N°		
		2	4	6
Arms extension (m)	4	PTP45 50 PTP45 50M		
	2,5	PTP45 30	PTP45 50 PTP45 50M	
	1,5		PTP45 50 PTP45 50M	



# Selection Guide

Surface calculation: **HEIGHT x WIDTH = m<sup>2</sup>**  
select the model according to the table below

Material	MAX m <sup>2</sup>	MAX m <sup>2</sup>							
		2,5	3,5	4	5,25	7	8	9,5	15
PVC and light aluminium 6 Kg/m <sup>2</sup>		PTP45 20			PTP45 30		PTP45 50		
Extruded aluminium and steel 9,5 Kg/m <sup>2</sup>		PTP45 20	PTP45 30		PTP45 50			N.A.	
Wood and armored steel 12,5 Kg/m <sup>2</sup>		PTP45 20	PTP45 30		PTP45 50		N.A.		



Model	Nm	Current	rpm	Max lifting (Kg) tube Ø 60 mm
PTP45 20	20	0.8 A	16	32 Kg
PTP45 30	30	1.1 A	16	52 Kg
PTP45 50	50	1.2 A	13	90 Kg

# PTP45

Tubular motor Ø 45 mm for roller blinds and awnings.

230V motor with electro-brake, powerful and noiseless  
Mechanical limit-switches with progressive adjustment of opening and closing positions

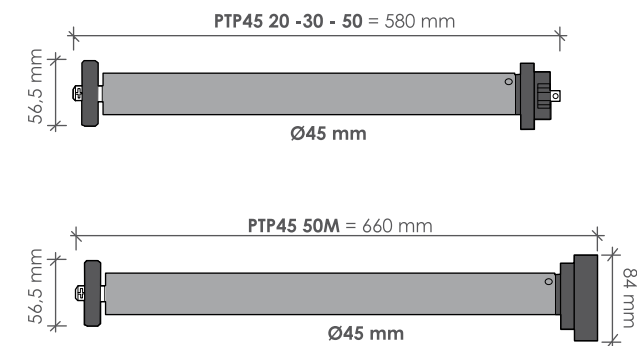
Quick and easy installing on new and existing blinds and awnings.

Motor bracket and Ø 60 mm octagonal shaft adapter included.  
Version with manual override system also available (M models).

Model	Version	Ø	Torque
PTP45 20	230V Irreversible with electro-brake	45 mm	20 N
PTP45 30	230V Irreversible with electro-brake	45 mm	30 N
PTP45 50	230V Irreversible with electro-brake	45 mm	50 N
PTP45 50M	230V Irreversible with manual override system	45 mm	50 N

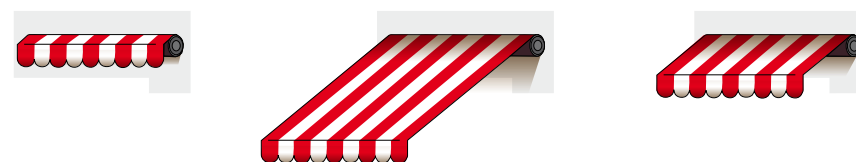


## DIMENSIONS



## INSTALLATION OVERVIEW

### AWNING TYPE



### INTERIOR BLIND TYPE



## TECHNICAL FEATURES

	PTP45 20	PTP45 30	PTP45 50	PTP45 50M
Power supply	230V	230V	230V	230V
Thrust	20 Nm	30 Nm	50 Nm	50 Nm
Current	0.80A	1.10A	1.20A	1.20A
Motor power	170 W	240 W	270 W	270 W
Motor speed	16 rpm	16 rpm	12 rpm	12 rpm
Weight	2.6 Kg	2.7 Kg	2.8 Kg	3.8 Kg
Limit revs	30	30	30	30



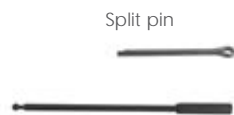
# PTP45 20 30 50 PTP45 50M



Tubular motor



Tubular motor



Limit stop adjusting key

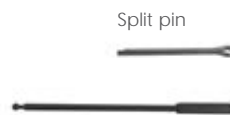
Split pin



Motor bracket support



60 mm octagonal tube adapter



Limit stop adjusting key

Split pin



60 mm octagonal tube adapter



Motor bracket support



Tool for emergency release (170 mm)



Adapter for emergency release

## Optional Accessories



### Controllers

Devices to simplify the installation and to reduce the building works



**PTPQ01W**  
Mini - control board with 433 MHz radio receiver



**PTPTX1W**  
1-channel radio transmitter



**PTPTX5W**  
5-channel radio transmitter



### Sun awning accessories

Complementary devices for awnings automation.



**PTPQ01W**  
Mini - control board with 433 MHz radio receiver

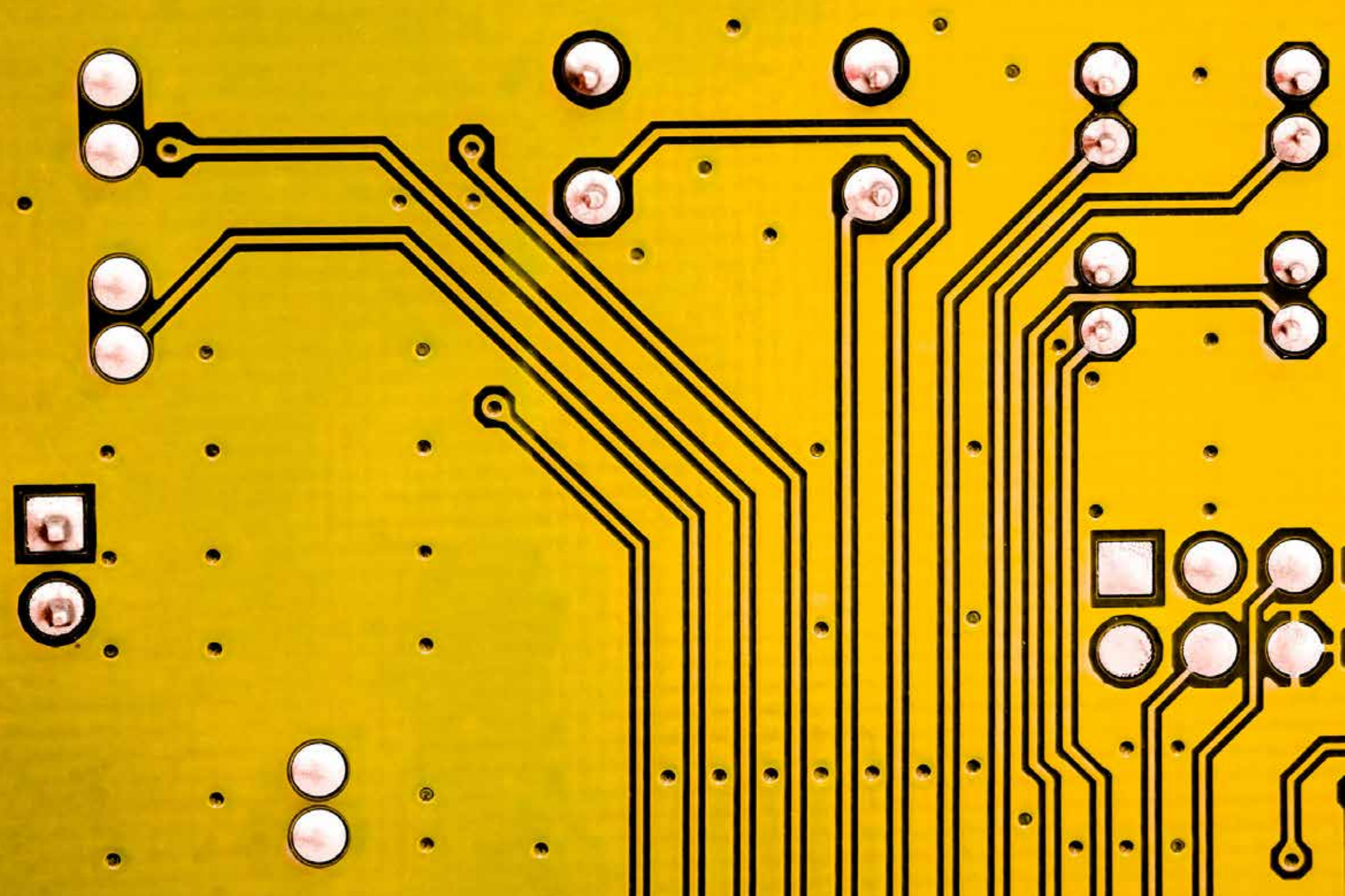


**MTPR01**  
Olive adapter Ø 70mm for sun awnings



**PTPS03W**  
Wind-sun sensor with solar panel







## Control boards

# CONTROL BOARDS

for Swing gates



230V



## Q80A

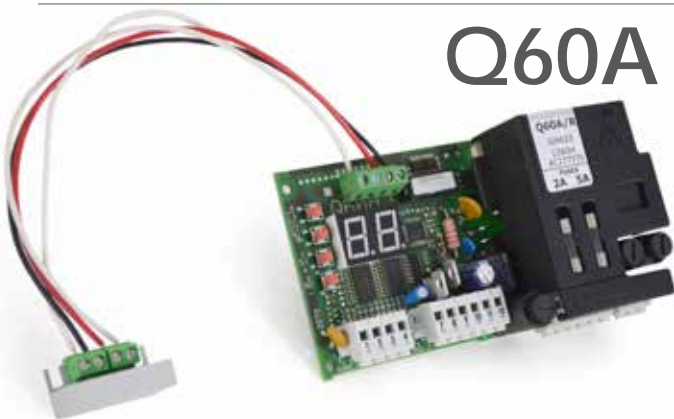
Control board for single or double swing gate - 230V

- LED display
- Adjustable obstacle detection function
- Self-learning programming
- Sequential programming
- Force adjustment (single motor)
- Deceleration time adjustment
- Working time adjustment
- Adjustable delay time
- Adjustable pedestrian opening
- Multi-users function (opening priority)
- Quick automatic closing function
- Reversing stroke for electro-lock
- Lock pulse for electro-lock
- Fault diagnosis
- Embedded 433.92 MHz radio receiver module
- Input for 8K2 or mechanical type safety edge

## Q60A

Control board for single or double swing gate - 230V

- LED display
- Sequential programming
- Force adjustment (single motor)
- Deceleration time adjustment
- Working time adjustment
- Adjustable delay time
- Adjustable pedestrian opening
- Multi-users function (opening priority)
- Reversing stroke for electro-lock
- Lock pulse- for electro-lock
- Fault diagnosis
- Optional electro-lock module
- Input for mechanical type safety edge
- Pre-wired 433.92 MHz radio receiver module
- Input for timer





24V



## Q20A

### Control board for single or double swing gate - 24V

- Programming Lcd screen integrated with fault diagnostic feature.
- 12V electric-lock plug on board, adjustable release time.
- Individual input for safety devices (photocells, mechanical and 8K2 resistive safety strips).
- Maintenance service recall, adjustable according to the cycles set.
- Installation date and cycles performed available on screen.
- Installation and maintenance direct set up from the control unit.
- Power saving mode with back up battery.
- Quick closing.
- 2nd radio channel receiver available.
- Integrated radio receiver 433,92MHz (99 users) suitable for both fixed and rolling-code Proteco's transmitters.

## PAR04



Installation box  
for Q20A, Q80A, Q60A, Q50A  
control boards

## Optional MODULES



### MRX01

Extra radio channel aux module  
for Q80A control board

- Monostable relay
- Bistable relay
- Courtesy light
- Alarm function



### MRX02

Extra radio channel aux module  
for Q20A control board

- Monostable relay
- Bistable relay
- Timer
- Courtesy light
- Alarm function



### MEL04

Electro-lock module  
(12V, 15W)  
for Q80A control module



### MEL01

Electro-lock module  
(12V, 15W)  
for Q60A control board

# CONTROL BOARDS

for Sliding gates



230V



## Q80S

Control board for sliding gate - 230V

- LED display
- Adjustable obstacle detection function
- Self-learning programming
- Sequential programming
- Force adjustment (single motor)
- Deceleration time adjustment
- Adjustable pedestrian opening
- Multi-users function (opening priority)
- Quick automatic closing function
- Fault diagnosis
- Embedded 433.92 MHz radio receiver module
- Input for 8K2 or mechanical type safety edge



## Q60S

Control board for sliding gate - 230V

- LED display
- Sequential programming
- Force adjustment (single motor)
- Deceleration time adjustment
- Pedestrian opening
- Multi-users function (opening priority)
- Fault diagnosis
- Input for mechanical type safety edge
- Pre-wired 433.92 MHz radio receiver module
- Input for timer

🔌 24V / 380V



## Q20S

### Control board for sliding gate - 24V

- Display for programming and trouble-shooting.
- Electronic adjustment of working and slowdown times.
- Dual programming modes: automatic with obstacle detection feature or sequential step-by-step.
- Quick closing.
- Pedestrian opening.
- Multi-occupation function.
- Pre-blinking.
- Second radio channel interface (available as accessory).
- Integrated radio receiver 433,92MHz (99 users) suitable for both fixed and rolling-code Proteco's transmitters.
- Individual output for MECHANICAL N.C. and RESISTIVE 8K2 safety edges.
- Operational self diagnostic.



## Q38

### Three-phase control board for sliding gate - 380V

- Sequential programming
- Multi-users function (opening priority)
- Input radio receiver module 433.92 MHz
- Input for photocells
- Additional module for blinker

## Optional MODULES



### MRX01

Extra radio channel aux module for Q80S control board

- Monostable relay
- Bistable relay
- Courtesy light
- Alarm function



### MRX02

Extra radio channel aux module for 20S control board

- Monostable relay
- Bistable relay
- Timer
- Courtesy light
- Alarm function

# CONTROL BOARDS

for Rolling shutters and blinds



⏻ 230V



## Q45

**Control board for ROLLING SHUTTERS - 230V**

- Sequential programming
- Adjustable automatic closing
- Adjustable working time
- Embedded 433,92MHz radio receiver
- Output for Blinker
- Input for photocells
- Input for mechanical type safety edge
- Input for timer

## Selection Guide



Model	Q80A	Q60A	Q20A	Q80S	Q60S	Q20S	Q38	Q45	Model
Features									Features
Power supply	230V	230V	24V dc	230V	230V	12V - 24Vdc	380V	230V	Power supply
Display	✓	✓	✓	✓	✓	✓			Display
Fault diagnosis	✓	✓	✓	✓	✓	✓			Fault diagnosis
Self-learning programming	✓		✓	✓		✓		✓	Self-learning programming
Sequential programming	✓	✓	✓	✓	✓	✓	✓		Sequential programming
Obstacle detection	✓		✓	✓		✓			Obstacle detection
Deceleration	✓	✓	✓	✓	✓	✓	✓		Deceleration
Delay time	✓	✓	✓						Delay time
Pedestrian opening	✓	✓	✓	✓	✓	✓			Pedestrian opening
Automatic closing mode	✓	✓	✓	✓	✓	✓	✓	✓	Automatic closing mode
Step-by-step mode	✓	✓	✓	✓	✓	✓	✓	✓	Step-by-step mode
Multi-users function	✓	✓	✓	✓	✓	✓	✓		Multi-users function
Quick automatic closing function	✓		✓	✓		✓			Quick automatic closing function
Pre-blinking function	✓	✓	✓	✓	✓	✓	✓		Pre-blinking function
Reversing stroke function	✓	✓	✓						Reversing stroke function
Lock-pulse function	✓	✓	✓						Lock-pulse function
Input for 8K2 safety edge	✓		✓	✓		✓			Input for 8K2 safety edge
Radio receiver 433,92 MHz	built-in	pre-wired	built-in	built-in	pre-wired	built-in		built-in	Radio receiver 433,92 MHz
Powered by solar panel or backup battery			✓			✓			Powered by solar panel or backup battery
Electro-lock input	optional module	optional module	built-in						Electro-lock input





# Accessories

<b>RADIO SYSTEMS</b>	<b>69</b>
Radio receivers	69
Aerials	69
Radio transmitters	70
<b>SAFETY SYSTEMS</b>	<b>71</b>
Photocells	72
Blinkers	73
Safety edges	74
Electro-locks	74
<b>CONTROL SYSTEMS</b>	<b>75</b>
Keypads	75
Keyswitches	76
Loop detectors	76



# Radio systems

## Aerial



### PANT01

Extension aerial 433.92MHz

- Mounting brackets
- 3.5m coaxial wire


## Radio receivers



### RX 433

Radio receiver for pillar/wall application

- Aerial 433.92 MHz
- 1 or 4-channels
- Power supply 24V ac/dc

Version		Frequency	Radio Channels	Code N°
RX 433 1	12/24V ac/dc	433.92 MHz	1	64
RX 433 4	12/24V ac/dc	433.92 MHz	4	512



# Radio transmitters



**NEW**



## Angie

### 4-channel radio transmitter

- Compatible with all Proteco's systems
- Increased radio range
- Fixed code and rolling code

Version	ANGIE	ANGIE-R
Battery	12Vcc - 23A	12Vcc - 23 A
Frequency	433.92 MHz	433.92 MHz
Radio channels	4	4
Radio code	Fixed, random generated	Rolling-code



## TX312

### 3-channel radio transmitter

- Compatible with all Proteco's systems
- Increased radio range
- Fixed code and rolling code

Version	TX312	TX312-R
Battery	12Vcc - 23 A	12Vcc - 23 A
Frequency	433.92 MHz	433.92 MHz
Radio channels	3	3
Radio code	Fixed, random generated	Rolling-code



## TX4334

### 3-keys/4-channel radio transmitter

- Compatible with all Proteco's systems
- Programming by dip-switches
- Fixed code

Version	TXA334
Battery	12Vcc - 23 A
Frequency	433.92 MHz
Radio channels	3+1
Radio code	Fixed code, programming by dip-switches



## Safety systems

# Photocells



## RF33

### Wireless infrared photocells set

- Wired receiver
- 90° adjustable wireless transmitter
- Batteries included
- Power supply 12-24V ac/dc



## RF02

### Wired infrared photocells set

- Mounting on **RF05** iron post only
- Adjustable beam direction
- Power supply 12-24V ac/dc



## RF36

### Wired infrared photocells set

- Mounting on **RF11** iron post or walls
- Power supply 12-24V ac/dc



NEW

## RF40

### Wired infrared photocells set

- Mounting on **RF12** iron post or walls
- Slimline case
- 40 m range
- UV-proof screen
- Power supply 12-24V ac/dc.



## RF05

### Iron post for RF02 photocells

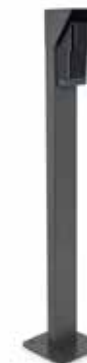
- Powder coated
- 60 cm Height



## RF11

### Iron post for RF36 photocells

- Powder coated
- 55 cm Height



NEW

## RF12

### Iron post for RF40 photocells

- Powder coated
- 55 cm Height

# Blinker

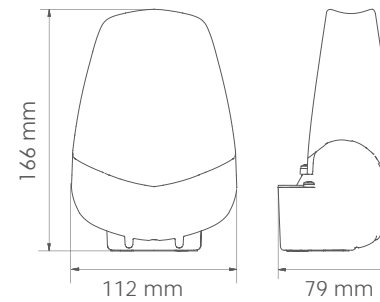


NEW

## LUCE

### LED Blinker

- Vertical and horizontal application
- Coaxial external aerial plug-in
- 1.5 W absorption
- Power supply 24V ac/dc
- Charcoal grey color or amber yellow color





## RC22



**Mechanical safety edge for garage doors and road barriers**

- Sensor and 2.5 m cable
- Aluminium support
- 25 mm rubber edge
- Length 2,5 m

## RC23



**8K2 safety edge for swing and sliding gate**

- 8K2 Ohm resistance
- 2 wires fail-safe cable
- 2 m aluminium frame
- 60 mm rubber profile



## RT16

**Electro-lock for single swing gate horizontal use - 12V**

- Left-hand or right-hand application



## RT17

**Multipurpose electric-lock 12V with floor striker**

- Vertical use
- Ground fixing plate included



# Control systems

## Keypads



**RT35**

Anti-vandalism keypad with stainless-steel case and metal keys

- 60 codes memory
- Output relays 1A and 5A
- Power supply 12-24V ac/dc



**RT36**

Polycarbonate case keypad with backlight keys

- 60 codes memory
- Output relays 1A and 5A
- Power supply 12-24V ac/dc



**RT37A**

Multifunction wireless keypad night backlight and buzzer

- Protection class IP 65
- 433 MHz radio frequency
- Lithium batteries power supply

# Keyswitches



## RS15 - RS16

### Keyswitch with 1 or 2 micros

- Suitable for wall or iron post-mounting

Version

RS15	1-micro keyswitch
RS16	2-micro keyswitch



## RS10

Iron post for RS15 / 16 keyswitches  
height 110 cm.

# LOOP DETECTORS



## RG01 - RG02

### Magnetic loop detector

- 1 or 2 channels
- Multi-level sensibility
- Max loop length adjustment: 250 m
- Power supply 12-24V ac/dc

Version

RG01	1 channel	1 steady relay + 1 impulse relay
RG02	2 channels	2 steady relay





# Terms & conditions

## 1. PREAMBLE:

1.1 The present Terms & conditions, having as subject all kind of products supplied by Proteco S.r.l., shall regulate all present and future contracts of sale between Proteco S.r.l. and the Purchaser provided that the Purchaser has its registered office outside Italy.

Any modification or deviation from the present general conditions of sale shall be made in writing.

## 2. ORDERS:

2.1 The purchase orders collected by Proteco S.r.l. or by his agents and/or commercial intermediaries become binding only at the moment when the Purchaser receives the written order confirmation of Proteco S.r.l..

2.2 The forwarding of an order by the Purchaser as well as his acceptance of an offer, however effected, shall involve his adhesion to the present General Conditions of Sale.

## 3. CONFORMITY OF THE PRODUCTS:

3.1 Proteco S.r.l. represents that the products are in compliance with E.C. Directives, Regulations and Italian technical rules applicable to the products including those regarding safety and pollution.

Proteco S.r.l. does not guarantee the compliance of the products with the laws and technical rules in force in the Purchaser's country.

3.2 Any other data or parameter indicated in Proteco's advertising, commercial documents or other Proteco's documents of sale or deducible from the samples delivered by the Proteco S.r.l. will constitute only an approximate guide and they do not represent, in any case, a parameter for an evaluation of the compliance of the products.

## 4. PRICES AND PAYMENT:

4.1 The prices are those indicated in the Proteco's price list as in force from time to time.

They are expressed in Euro and they are intended exclusive from any national and foreign taxes and duties.

Any special characteristics, options, modifications required by the Purchaser shall be charged separately and added to the price list.

4.2 Unless differently agreed payments shall be made by means of bank transfer in advance, before delivery date, into the bank account indicated by the Proteco S.r.l. or by means of an irrevocable letter of credit to be confirmed by an Italian leading bank, cashable at sight against shipping documents, according to the text and characteristics required by the Proteco S.r.l..

4.3 In case of late payment Proteco S.r.l. may, after having notified the Purchaser in writing, suspend his performance of the contract until he receives payment or adequate banking guarantees covering the whole outstanding debt.

## 5. RESERVATION OF TITLE:

5.1 The Products shall remain the property of Proteco S.r.l. until paid for in full.

## 6. DELIVERY:

6.1 Unless differently agreed the delivery of the products shall be made FCA Proteco warehouse in accordance with International Chamber of Commerce Incoterms Revision 2010 which shall be deemed incorporated by reference into these General Conditions of Sale.

6.2 In case it is agreed that the shipment (or part of it) will be effected by Proteco S.r.l., this latter shall act as agent of the Purchaser being agreed that the shipment shall be done at the whole risk and charge of the Purchaser. Partial deliveries are allowed.

6.3 The delivery date shall be indicated under the Proteco's order confirmation.

In any case, Proteco S.r.l. is entitled a period of grace of 30 working days as of the expiry of the delivery date provided for in the order confirmation.

Expired the aforesaid term of grace the Proteco S.r.l. shall pay Purchaser a lump sum of 0,2% of the price of the Products delayed for each full week of delay as compensation for the damages caused by the delay up to the maximum limit of 2% of the price of the products subject of delayed delivery.

Any further compensation for damages suffered by the Purchaser in consequence of the delayed delivery is excluded.

## 7. GUARANTEE:

7.1 Subject to conditions hereinafter set out, Proteco S.r.l. shall remedy any defect of the products resulting from faulty design, materials or workmanship.

The present undertaking is limited to those defects which appear within a period of 36 months for the mechanical components or 24 months for the electronic components from the date of production printed on each product. All the guarantees provided for hereinafter are conditional on compliance with the operating and maintenance instructions supplied by Proteco S.r.l..

The Purchaser shall notify in writing, by means of registered mail, of any defect within 10 working days from its discovery.

Lacking this the purchaser will lose its right to have the defect remedied according to this guarantee.

Upon receipt of such notice, the obligation of Proteco S.r.l. under this guarantee is limited to, at Proteco's choice, and subject to prior examination of the defective products to be sent at Purchaser's risk and expenses:

i) Replace the defective products, ii) repair them or iii) issue a statement of credit for the amount corresponding to the products found defective.

Proteco S.r.l. is not liable for defects caused by faulty assembling or maintenance of the products by the Purchaser or due to non compliance to the instructions for assembling, nor for defects caused by alterations carried out without Proteco's written consent.

The present guarantee provided hereinabove absorbs and supersedes any other legal, statutory or contractual guarantee.

The Purchaser, in particular, shall have no right to claim damages, included loss of production, loss of profit, loss of use, loss of contracts or for any consequential, economic or indirect loss whatsoever, reduction of price or resolution of the contracts.

## 8. PRODUCT LIABILITY:

8.1 If Proteco S.r.l. incurs liability towards any third parties for product's liability he will be responsible only within the limit of amount and within the terms and conditions of his Product's liability insurance coverage.

## 9. GOVERNING LAW:

9.1 All the sale contracts concluded by parties shall be governed by the present general sale conditions and, to the extent that such questions are not covered by the present terms and conditions, by United Nations Convention on Contracts for the International Sale of Goods (Vienna Convention of 1980, hereafter referred to as «CISG»), and, to the extent that such questions are not covered by CISG, by Italian law.

## 10. DISPUTES RESOLUTION:

10.1 In case the Purchaser has its registered office in the territory of the European Union for any disputes arising out of or in connection with this contract the courts of Turin in Italy shall have exclusive jurisdiction; where the Purchaser has its registered office outside the territory of the European Union any disputes arising out of or in connection with this contract shall be settled by Arbitration in conformity with the Rules of the Piedmont Arbitral Chamber (see at <http://images.pie.camcom.it/f/Varie/RU/RULES2006.pdf>) by one arbitrator designed in accordance to said rules.

The parties undertake to comply with the arbitrator's award.

# CATALOGUE





*Professional*





www.proteco.net



 Via Neive, 77 - 12050 CASTAGNITO (CN) ITALY  
 Tel. +39 0173 210111  Fax +39 0173 210199  [info@proteco.net](mailto:info@proteco.net)