

MADE TO *last*



CATALOGUE

Integrated systems for the automation of swing and sliding gates, garage doors, road barriers, shutters and blinds.

www.proteco.net

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The group PROTECO

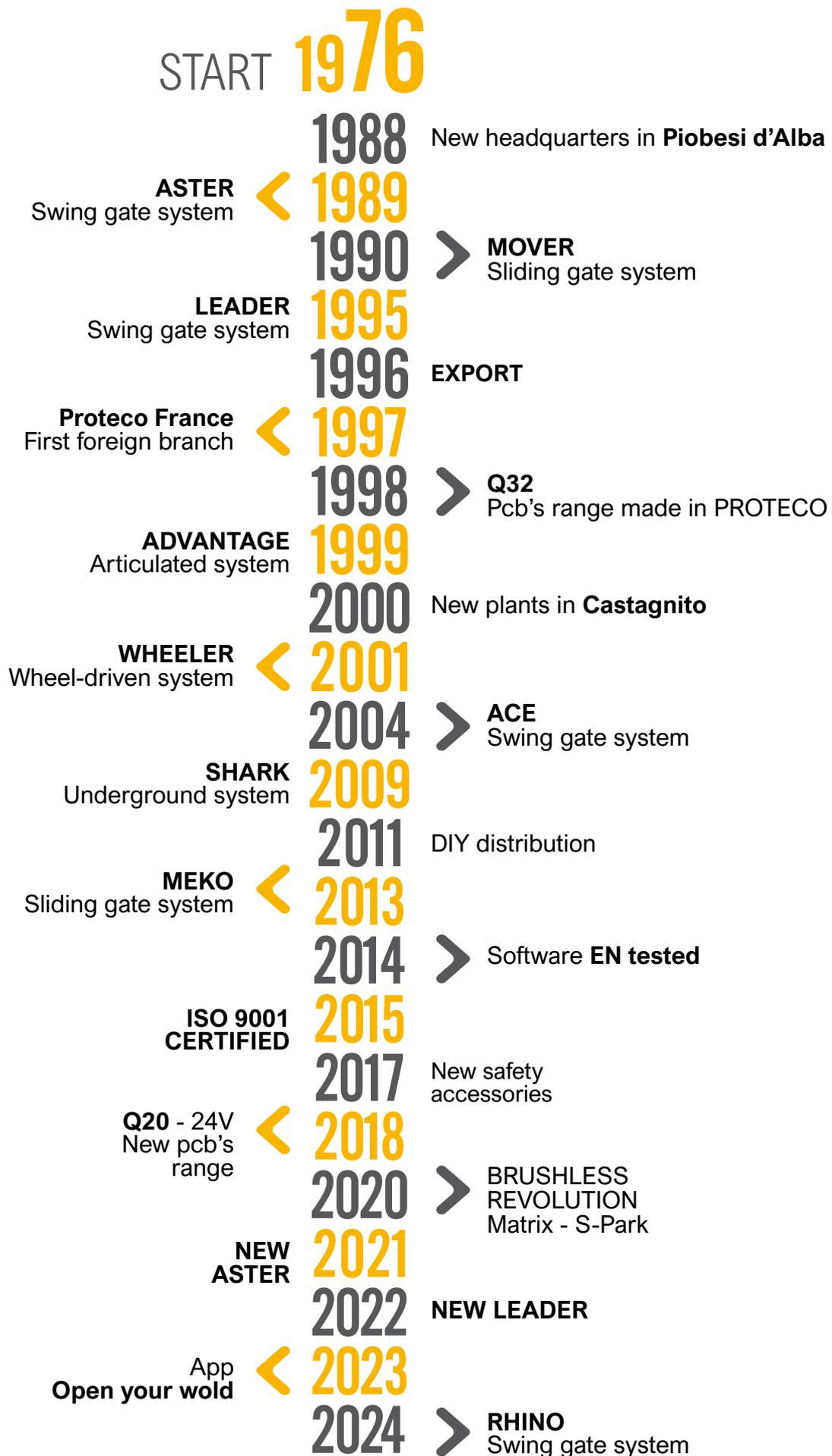
Over 40 years Proteco has been growing and developing systems for doors and gates.

We are passionate about **high quality mechanics** and believe that tailoring our choices around our customers is at the heart of our progression, today and in the future.

Proteco group comes today across **60+ countries world wide**. A guarantee for our customers and a motivation to continually seek inspiration and progress.



The beginnings: 1976 - 2023





MADE TO *last*

We love
what we do.

All Proteco automations are entirely designed, built and assembled in our facilities in Castagnito.

Right from the start our ambition to embrace premium quality components as bronze, steel, cast iron and copper has been at the core of our manufacture policy: made to perform excellent even within particularly tough conditions, simply made to last.

 3 YEAR
WARRANTY



The meaning of QUALITY

Our system solutions are shaped around the installer and the end user.

A **return average below 0,5%**, a wide selection of spares available long the next 5 years from warranty coverage period, makes a Proteco's system the right investment for the future.

Choosing Proteco you sustain nature: a long-lasting gate system helps you save your time and preserves the environment from unnecessary polluting waste.

100% *Made in Italy*



Avant-garde TECHNOLOGY

The development of new control unit generation, featuring digital diagnostic screen and based on a **single programming logic** common to all our systems, turn the installation quicker, friendly and smart.

The new born **Matrix sliding** gate range represents for Proteco the turning point in terms of innovation.

The **Brushless technology** of digital motors brings the automation to the next level: heavy duty for industrial and commercial businesses, steady permanent control on movement and compliance with anti-crushing UE directives.



Always close to **YOU**

Proteco is above
all a small, big family.

It is a matter of fact that
all of our products come
from direct experience
of our customers
and installers.

At Proteco, post-sale service, technical assistance,
co-operation and teamwork is what makes us tick.

That's why we have created a phone and Whatsapp
line dedicated to traders together with a network of
qualified skilled installers who regularly train at the
company.



Proteco Open your world

Have all your Proteco
automations at fingertips.



Download **Proteco Open your world** now



Make your automation smarter with **SMART-KEY** and **SMART-BOX** interface devices.

As administrator you can set your automation easily and securely via Bluetooth and personal PIN.



Connect your smart automation to your home or company wi-fi network to open, close and check the status of the gate whenever and wherever you are.



Allow your family members and collaborators to open the gate direct from their smartphone.

As administrator you can enable and disable other users at any time.



Set notifications and receive alert messages on your smartphone if the gate is opened according to the time scheduled, for example during the night or when you are on holiday.

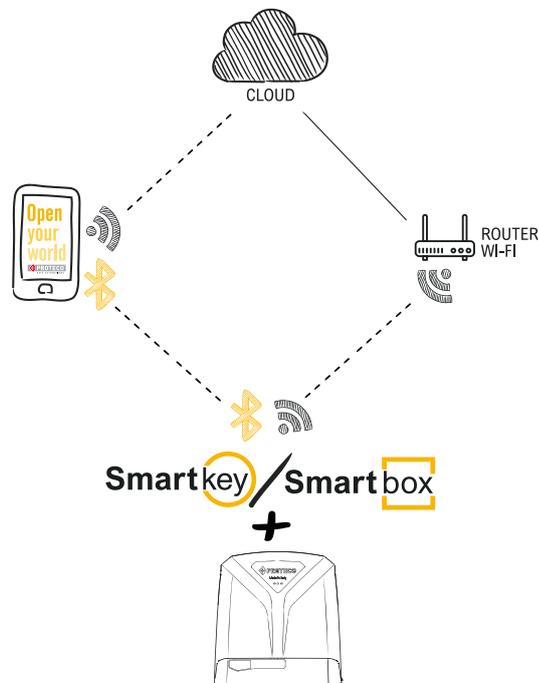


Have an all in one screen view of your Proteco automations. From the entrance gate to the garage door, from the office door to your holiday home.



Relax and take it easy: **Proteco Open YOUR WORLD** is already compatible with Alexa and Google assistant.

The simplest and most innovative end-user solution to manage gates, garage doors, shutters and road barriers in just one click from any IOS or Android mobile device.



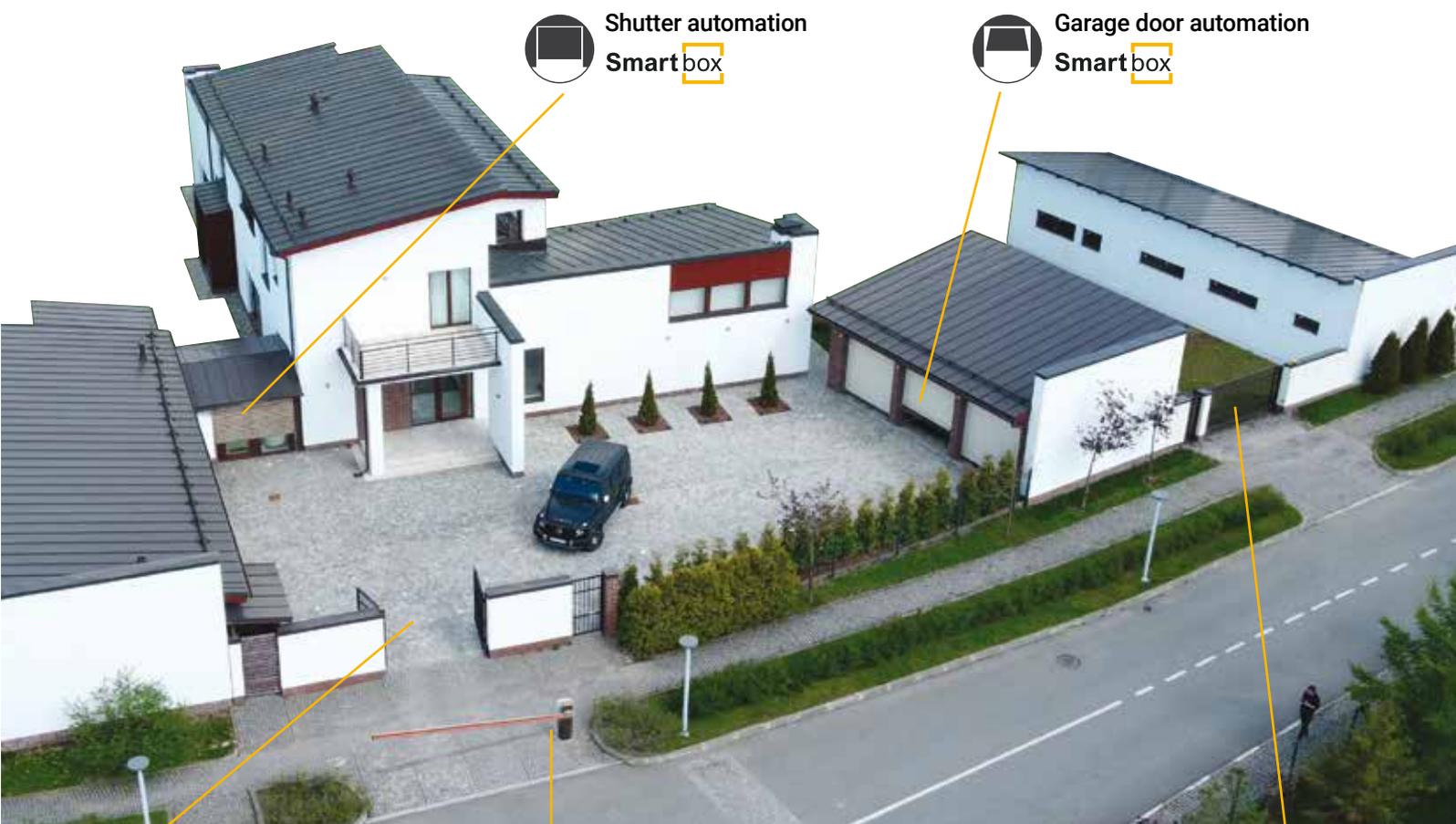
Smartkey

Universal interface plug-in card used to command MATRIX and S-PARK for the **Proteco Open YOUR WORLD** end user App.



Smartbox

Universal interface used to command all existing automations controlled by Q80, Q60, Q20 pcb's for the **Proteco Open YOUR WORLD** end user App.



Swing gate automation
Smartbox

Road barriers
Smartkey

Sliding gate automation
Smartkey
Smartbox

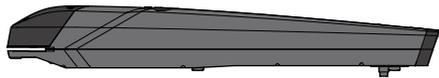
SWING gate automation





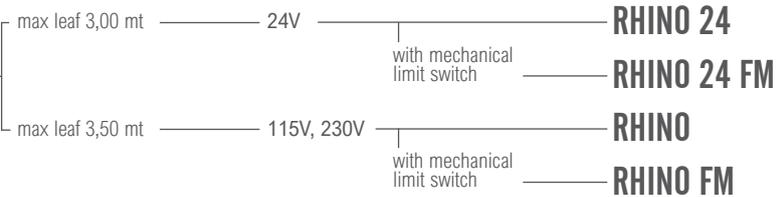
SWING gate

Selection guide



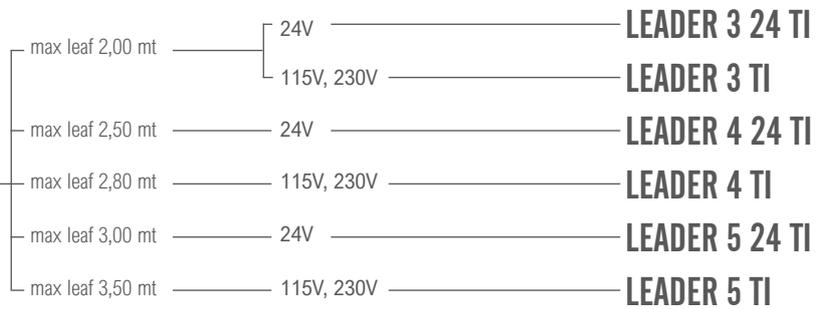
16-17

RHINO



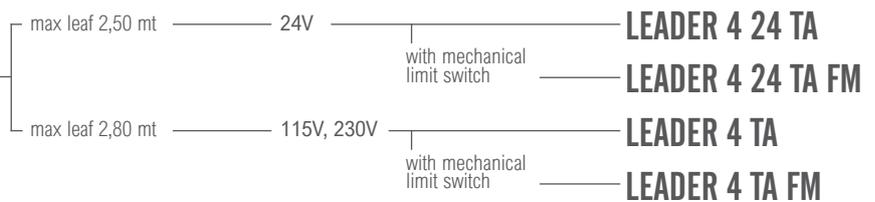
18-19

LEADER TI



20-21

LEADER TA



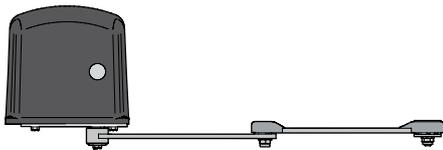
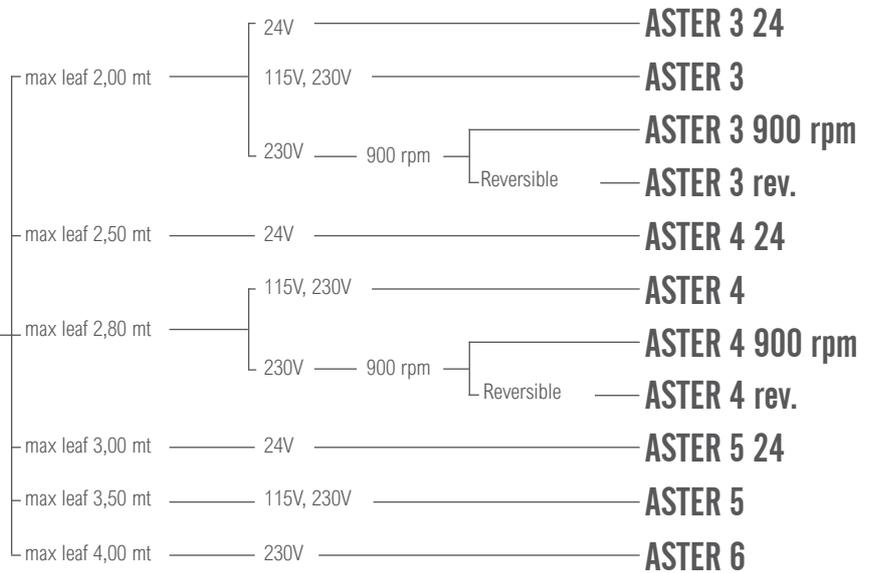
SWING gate

Selection guide



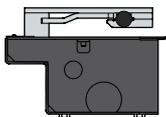
22-23

ASTER



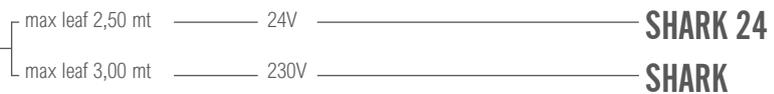
24-25

ADVANTAGE



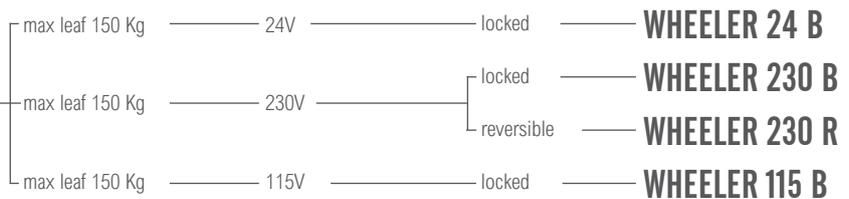
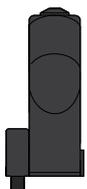
26-27

SHARK



28-29

WHEELER



RHINO



Linear swing motor for gates up to 3,5 m.

230V - 115V - 24V

Electromechanical locked swing gates system for residential and semi-intensive use settings.

Modern elegant design, one-piece die-cast aluminum body.

Extremely powerful and reliable, transmission shaft with four-start worm screw and bevel gear.

Embedded adjustable limit switches in opening and closing: it makes the installation easier and friendly and doesn't require opening stoppers on ground.

Wired capacitor on board the motor and terminal block for power cable wiring.

Upper emergency release for quick and practical manual operation.

Multi-position fixing brackets included.

The 24V range can operate in emergency mode during power outages by back-up batteries (optional).

THE RANGE

	Power supply		Leaf	
RHINO	230V-115V	locked	3,5 m	400 Kg
RHINO 24	24V	locked	3,0 m	350 Kg



KIT CONTENT

RHINO
Pair of swing motors
and fittings



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

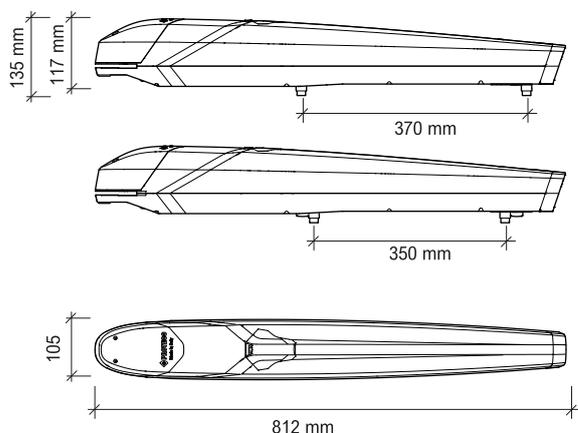


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

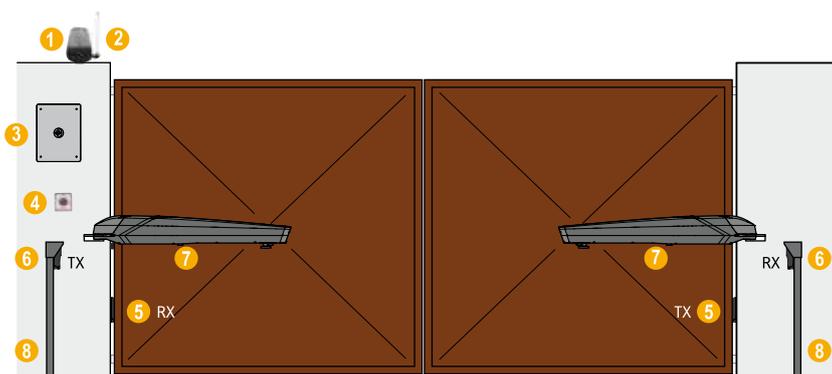
TECHNICAL FEATURES

	RHINO	RHINO 115V	RHINO 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.2 - 1.7A	3.1 - 3.3A	0.6 - 6A
Motor power	300 W	300 W	50 W
Thermic protection	150°C	150°C	--
Max thrust	3200 N	3200 N	2700 N
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Opening time with mechanical limit switch	26"	22"	24" - 28"
Opening time without mechanical limit switch	22"	18"	20" - 24"
Max leaf weight	400 Kg	400 Kg	350 Kg
Max leaf length	3,5 m	3,5 m	3 m
Duty cycle	40%	40%	80%

DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Control board 4_Key switch
5_Outer photocell 6_Inner photocell 7_Swing operators 8_Phocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism stainless steel wired keypad



RT37
Wireless keypad



RT17
Electric-lock 12V 15W, ground installation



MEL04
Optional card module interface for electric-lock



LEADER TI

Telescopic swing motor
for gates up to 3,5 m.

230V - 115V - 24V

Telescopic electromechanical system for residential, apartment block and commercial settings.

Compact slick design, suitable to any installation contest.

Full-metal drive shaft with bronze gear.

The reduced dimensions and undemanding fixing quota make the installation quick and easy.

Emergency release for manual operation protected by numbered key lock.

Multi-position fixing brackets included.

The 24V range can operate in emergency mode during power outages by back-up batteries (optional).

THE RANGE

	Power supply		Leaf	
LEADER 3 TI	230V-115V	locked	2,0 m	350 Kg
LEADER 4 TI	230V-115V	locked	2,8 m	350 Kg
LEADER 5 TI	230V-115V	locked	3,5 m	250 Kg
LEADER 3 TI 24	24V	locked	2,0 m	275 Kg
LEADER 4 TI 24	24V	locked	2,5 m	250 Kg
LEADER 5 TI 24	24V	locked	3,0 m	150 Kg



KIT CONTENT

LEADER TI
Pair of swing motors
and fittings



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

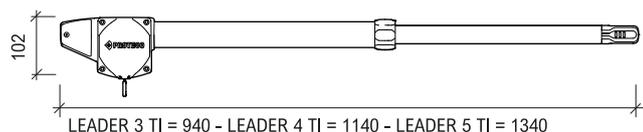
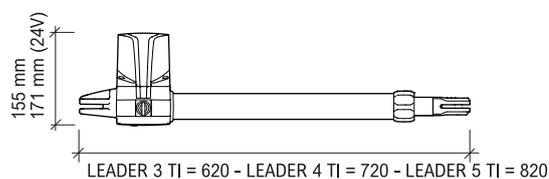


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

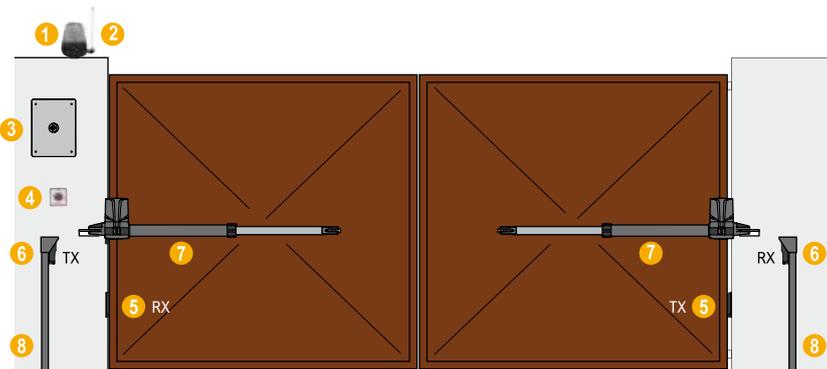
TECHNICAL FEATURES

	LEADER 3	LEADER 4	LEADER 5	LEADER 3 115	LEADER 4 115	LEADER 5 115	LEADER 3 24	LEADER 4 24	LEADER 5 24
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	115V ~ 60Hz	24V dc	24V dc	24V dc
Current	1.7A	2A	1.7A	2.3A	2.3A	2.3A	0.75A	0.75A	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 N	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	100°	110°	110°	100°	110°	110°	100°	110°	110°
90° opening time	17"	22"	27"	14"	18"	22"	13.5"	18"	22.5"
Max leaf weight	350 Kg	350 Kg	250 Kg	300 Kg	300 Kg	200 Kg	275 Kg	250 Kg	150 Kg
Max leaf length	2 m	2.8 m	3.5 m	2 m	2.8 m	3.5 m	2 m	2.5 m	3 m
Duty cycle	40%	40%	40%	40%	40%	40%	80%	80%	80%

DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Control board 4_Key switch
5_Outer photocell 6_Inner photocell 7_Swing operators 8_Phocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism stainless steel wired keypad



RT37
Wireless keypad



RT17
Electric-lock 12V 15W, ground installation



MEL04
Optional card module interface for electric-lock



LEADER TA

Electromechanical swing motor
for gates up to 2,8 m

230V - 115V - 24V

Electromechanical swing system for residential, apartment block and commercial settings.

Compact slick design, suitable to any installation contest.

Full-metal drive shaft with bronze gear.

The reduced dimensions and undemanding fixing quota make the installation quick and easy.

Available in the version with integrated adjustable closing limit switch.

Emergency release for manual operation protected by numbered key lock.

Multi-position fixing brackets included.

The 24V range can operate in emergency mode during power outages by back-up batteries (optional).

THE RANGE

	Power supply		Leaf	
Leader 4 TA	230V/115V	locked	2,8 m	350 Kg
Leader 4 TA FM	230V/115V	locked	2,8 m	350 Kg
Leader 4 TA 24	24V	locked	2,5 m	200 Kg
Leader 4 TA 24 FM	24V	locked	2,5 m	200 Kg



KIT CONTENT

LEADER TA
Pair of swing motors
and fittings



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

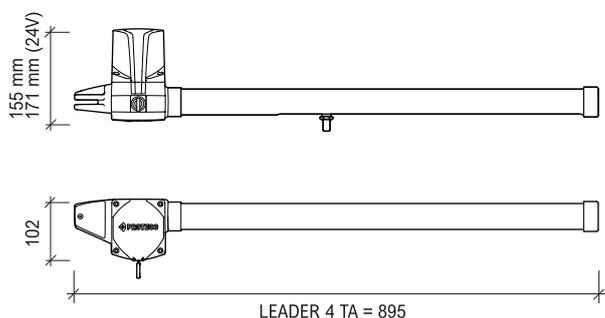


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

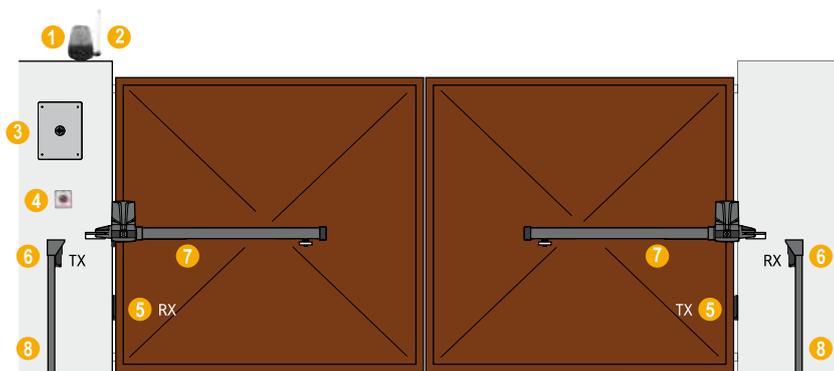
TECHNICAL FEATURES

	LEADER 4 TA	LEADER 4 TA 115V	LEADER 4 TA 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1.7A	2.3A	0.75A
Motor power	280 W	300 W	50 W
Capacitor	8 μ F	30 μ F	--
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	100°	100°	100°
90° opening time	22"	18"	18"
Max leaf weight	350 Kg	200 Kg	200 Kg
Max leaf length	2.8 m	2.8 m	2.5 m
Duty cycle	40%	40%	80%

DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Control board 4_Key switch
5_Outer photocell 6_Inner photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism stainless steel wired keypad



RT37
Wireless keypad



RT17
Electric-lock 12V 15W, ground installation



MEL04
Optional card module interface for electric-lock



ASTER

Telescopic swing motor
for gates up to 4 m.

230V - 115V - 24V

Telescopic electromechanical system for residential, apartment block and commercial settings.

Full-metal drive shaft with bronze gear.

Wide choice of models, to fit leaves particularly long.

The reduced dimensions and restrained fixing quota make the installation quick and easy.

Upper emergency release for quick and practical manual operation.

Multi-position fixing brackets included.

The 24V range can operate in emergency mode during power outages by back-up batteries (optional).

THE RANGE

	Power supply		Leaf	
ASTER 3	230V/115V	locked	2,0 m	350 Kg
ASTER 4	230V/115V	locked	2,8 m	350 Kg
ASTER 5	230V/115V	locked	3,5 m	250 Kg
ASTER 6	230V/115V	locked	4,0 m	250 Kg
ASTER 3 24	24V	locked	2,0 m	275 Kg
ASTER 4 24	24V	locked	2,5 m	250 Kg
ASTER 5 24	24V	locked	3,0 m	150 Kg
ASTER 3 900 rpm	230V	locked	2,0 m	300 Kg
ASTER 4 900 rpm	230V	locked	2,8 m	300 Kg
ASTER 3 rev	230V	reversible	2,0 m	300 Kg
ASTER 4 rev	230V	reversible	2,8 m	300 Kg



KIT CONTENT



ASTER

Pair of swing motors
and fittings



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

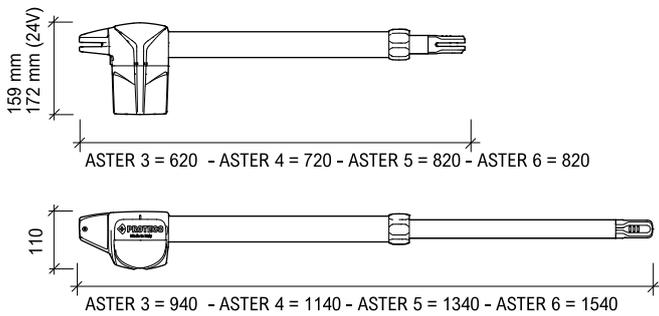


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

TECHNICAL FEATURES

	ASTER 3	ASTER 4	ASTER 5	ASTER 6	ASTER 3 115	ASTER 4 115	ASTER 5 115	ASTER 3 24	ASTER 4 24	ASTER 5 24
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	115V ~ 60Hz	24V dc	24V dc	24V dc
Current	1.7A	2A	1.7A	1.7A	2.3A	2.3A	2.3A	0.75A	0.75A	0.75A
Motor power	280 W	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	8 µF	30 µF	30 µF	30 µF	-	-	-
Thermic protection	150°C	-	-	-						
Max thrust	2800 N	2800 N	2800 N	2800 N	3000 N	3000 N	3000 N	2500 N	2500 N	2500 N
IP class protection	44	44	44	44 44	44	44	44	44	44	44
Revolution speed	1400 rpm	1400 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm	1700 rpm	1600 rpm	1600 rpm	1600 rpm
Max opening angle	100°	110°	110°	120°	100°	110°	110°	100°	110°	110°
90° opening time	17"	22"	27"	32"	14"	18"	22"	13.5"	18"	22.5"
Max leaf weight	350 Kg	350 Kg	250 Kg	250 Kg	300 Kg	300 Kg	200 Kg	275 Kg	250 Kg	150 Kg
Max leaf length	2 m	2.8 m	3.5 m	4 m	2 m	2.8 m	3.5 m	2 m	2.5 m	3 m
Duty cycle	40%	40%	40%	40%	40%	40%	40%	80%	80%	80%
Noise	LpA≤70 dB A									

DIMENSIONS



	REVERSIBLE		900 RPM	
	ASTER 3	ASTER 4	ASTER 3	ASTER 4
Power supply	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz	230V ~ 50Hz
Current	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A	1.2 - 1.7A
Motor power	250 W	250 W	250 W	250 W
Capacitor	8 µF	8 µF	8 µF	8 µF
Thermic protection	150°C	135°C	135°C	135°C
Max thrust	2500 N	2500 N	2500 N	2500 N
IP class protection	44	44	44	44
Revolution speed	900 rpm	900 rpm	900 rpm	900 rpm
Max opening angle	100°	110°	110°	110°
90° opening time	18"	24"	25"	35"
Max leaf weight	300 Kg	300 Kg	300 Kg	300 Kg
Max leaf length	2 m	2.80 m	2 m	2.80 m
Duty cycle	40%	40%	40%	40%
Noise	LpA≤70 dB A	LpA≤70 dB A	LpA≤70 dB A	LpA≤70 dB A

INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Control board 4_Key switch
5_Outer photocell 6_Inner photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism stainless steel wired keypad



RT37
Wireless keypad



RT17
Electric-lock 12V 15W, ground installation



MEL04
Optional card module interface for electric-lock



ADVANTAGE

Articulated-arm swing motor
for gates up to 2 m.

230V - 24V

Electromechanical worm gear motor for residential and apartment block settings.

Particularly suitable for over-sized pillars.

Strong anti-shear articulated arm, available in two different lengths.

Electric built-in limit switches grant smooth and silent operation, even on light-weight gates.

Front release system for manual operation.

Sturdy pillar fixing plate included.

Embedded control unit for the 230V models.

The 24V range can operate in emergency mode during power outages by back-up batteries (optional).

THE RANGE

	Power supply		Leaf	
ADVANTAGE	230V	locked	2,0 m	250 Kg
ADVANTAGE 24	24V	locked	2,0 m	200 Kg



KIT CONTENT

ADVANTAGE

Pair of swing motors, embedded control board, integrated radio receiver 433.92 MHz and fittings



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls

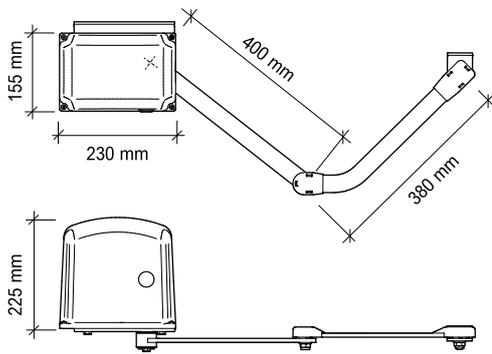


ANT02
Outstanding
antenna

TECHNICAL FEATURES

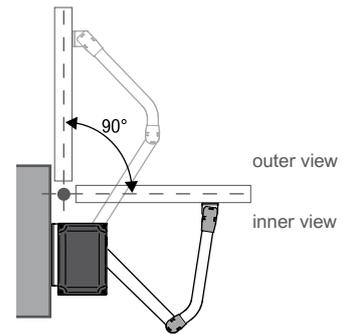
	ADVANTAGE	ADVANTAGE 24
Power supply	230V ~ 50Hz	24V dc
Current	1.2 - 1.7A	0.5 - 0.75A
Motor power	300 W	50 W
Capacitor	10 µF	--
Thermic protection	150°C	--
Max thrust	280 Nm	200 Nm
IP class protection	44	44
Revolution speed	1400 rpm	1600 rpm
Max opening angle	130°	130°
90° opening time	18"	14"
Max leaf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

DIMENSIONS

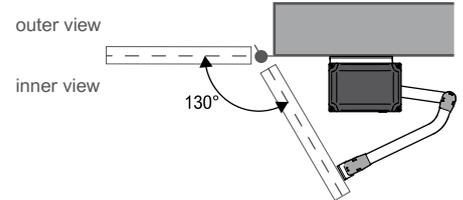
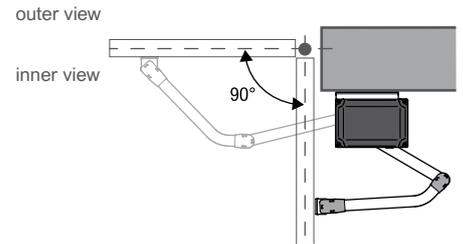


MOTOR POSITION

Outwards opening gate



Inwards opening gate



INSTALLATION MAP



1_Flashing light 2_Outstanding antenna 3_LH operator featuring control board and radio receiver
4_RH operator 5_Outer photocell 6_Inner photocell 7_Key switch 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism stainless
steel wired keypad



RT37
Wireless keypad



RT17
Electric-lock 12V 15W,
ground installation



MEL04
Optional card module
interface for electric-lock



SHARK

Underground swing motor
for gates up to 3 m.

230V - 24V

Electromechanical locked system for residential, apartment block and commercial settings.

Invisible and elegant solution, it preserves the aesthetic and design of your gate.

High degree of protection against weathering, watertight motor completely in aluminum.

Built-in adjustable opening and closing leaf stops.

Foundation box cataphoresis treated or inox.

The round sphere-transmission gate support, grants smooth cruise and preserves the automation performances over time.

Emergency release for manual operation protected by numbered key lock. Standard opening angle up to 110°, it may open further up to 180° using the optional chain adaptor.

The 24V range can operate in emergency mode during power outages by back-up batteries (optional).

THE RANGE

	Power supply		Leaf	
SHARK	230V	locked	3,0 m	350 Kg
SHARK 24	24V	locked	2,5 m	200 Kg



KIT CONTENT

SHARK

Underground motors complete
with foundation box A001
(cataphoresis treatment)



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

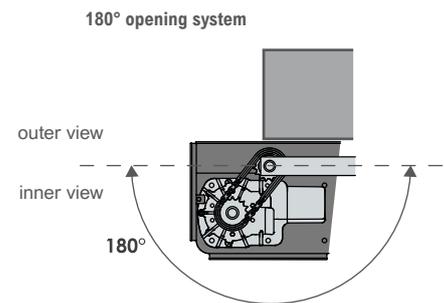
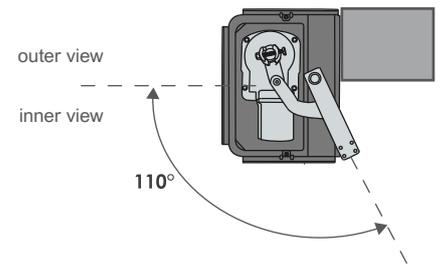
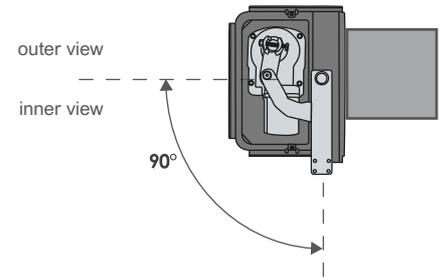


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

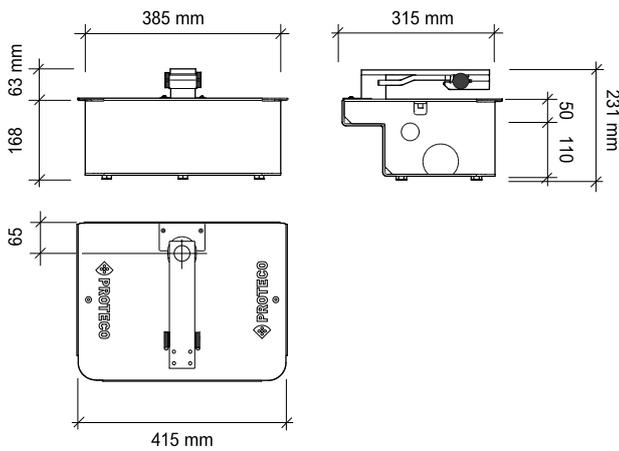
TECHNICAL FEATURES

	SHARK	SHARK 24
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%

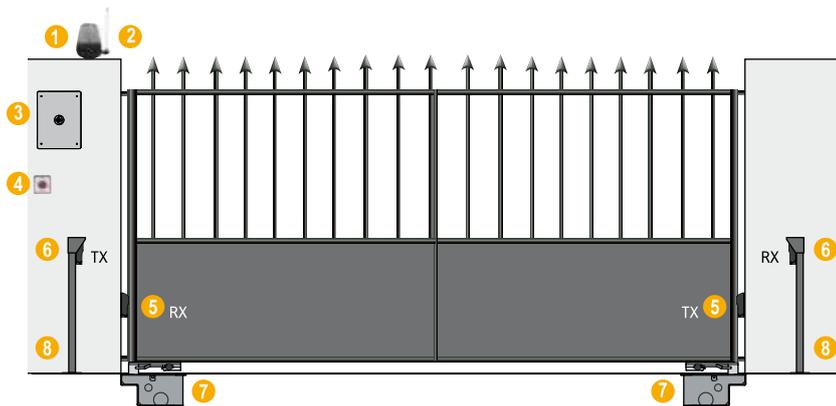
MOTOR POSITION



DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Control board 4_Key switch
5_Inner photocell 6_Inner photocell 7_Gear motors complete with foundation box 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism stainless
steel wired keypad



RT37
Wireless keypad



A002
Stainless steel underground
chamber



A008
180° opening adapter



WHEELER

Wheel-driven motor
for swing gates.

230V - 115V - 24V

Electromechanical system for residential areas.

Unlimited opening angle.

Quick and easy installation no matters what the pillar dimensions are.

Suitable for long leaf and light gates, inward or outward opening.

Suitable for compact flat surface entry ways.

Opens onto a sloping driveway up to 12° and 20cm in height difference.

On board release system for manual operation.

The 24V range can operate in emergency mode during power outages by back-up batteries (optional).



THE RANGE

	Power supply		Leaf
WHEELER R	230V	reversible	150 Kg
WHEELER B	230V-115V	locked	150 Kg
WHEELER 24	24V	locked	150 Kg

KIT CONTENT

WHEELER
Pair of wheel motors



LUCE
LED 24V
flashing light



ANT02
Outstanding
antenna



RT17
Electric-lock
12V 15W,
ground installation



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



MEL04
Optional card module
interface for electric-lock

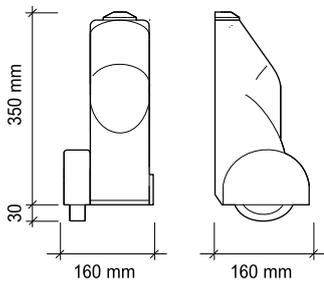


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

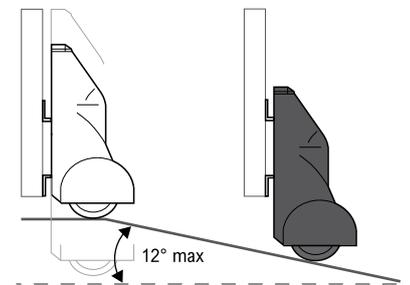
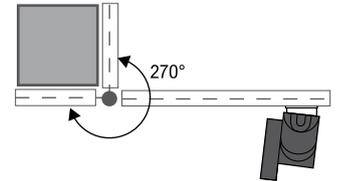
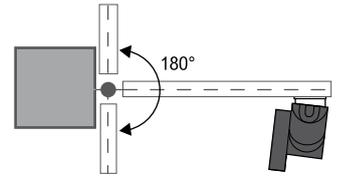
TECHNICAL FEATURES

	WHEELER B	WHEELER R	WHEELER B 115	WHEELER 24
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



MOTOR POSITION



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Control board 4_Key switch 5_Outer photocell
6_Inner photocell 7_Wheel motors 8_Photocell posts 9_Electric lock

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism stainless
steel wired keypad



RT37
Wireless keypad



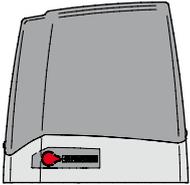
SLIDING Gate Automation





SLIDING gates

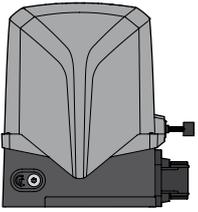
Selection guide



34-35

MEKO

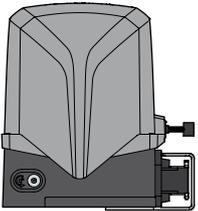
500 Kg	230V, 115V	mechanical limit switch	MEKO 5
600 Kg	24V	mechanical limit switch	MEKO 6
800 Kg	230V, 115V	mechanical limit switch	MEKO 8



36-37

MOVER

500 Kg	230V, 115V	mechanical limit switch	MOVER 5
		magnetic limit-switch	MOVER MAG 5
650 Kg	24V	mechanical limit switch	MOVER 6
800 Kg	230V, 115V	mechanical limit switch	MOVER 8
		magnetic limit-switch	MOVER MAG 8
1500 Kg	230V, 115V	mechanical limit switch	MOVER 15
		magnetic limit-switch	MOVER MAG 15



38-39

CAT

500 Kg	230V, 115V	mechanical limit switch	CAT 5
800 Kg	230V, 115V	mechanical limit switch	CAT 8

SLIDING gates

Selection guide

BRUSHLESS (R)EVOLUTION



40-41

MATRIX

2500 Kg	230V	semi-intensive		MATRIX 25
1800 Kg	230V	semi-intensive		MATRIX 18
2500 Kg	48V	intensive	Brushless	MATRIX BLDC
1800 Kg	48V	hi-speed	Brushless	MATRIX HS

RACK



B102
Galvanized metal rack
M4 12x30x1000 mm



B114
Nylon coated rack
inner metal core - M4
20X26 mm - 1x1 m bars



B120
Nylon coated rack
inner metal core - M4
20X26 mm - 2x0,5 m bars

CHAIN



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

MEKO

Rack-driven motor for sliding gates up to 800 kg.

230V - 115V - 24V

Slim elegant design, silent movement, long-lasting performance.
Die-cast aluminium base, noble metal gears, bronze transmission shaft.
Reinforced key-lock release system, protected by an encrypted key.
Adjustable ground plate (horizontally and vertically) included.

Embedded control board featuring obstacle detection and plug-in radio receiver. Safety devices self-diagnosis.
Possibility of connecting resistive safety sensitive edges (8k2Ω).

Ideal solution for residential, industrial and apartment block settings.
The 24V range can operate in emergency mode during power outages by back-up batteries.



THE RANGE

	Power supply		Limit switch	Leaf
MEKO 5	230V-115V	rack	mechanical	500 Kg
MEKO 6	24V	rack	mechanical	600 Kg
MEKO 8	230V-115V	rack	mechanical	800 Kg

KIT CONTENT

MEKO
Gear motor, embedded control board, integrated radio receiver 433.92 MHz and fittings



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

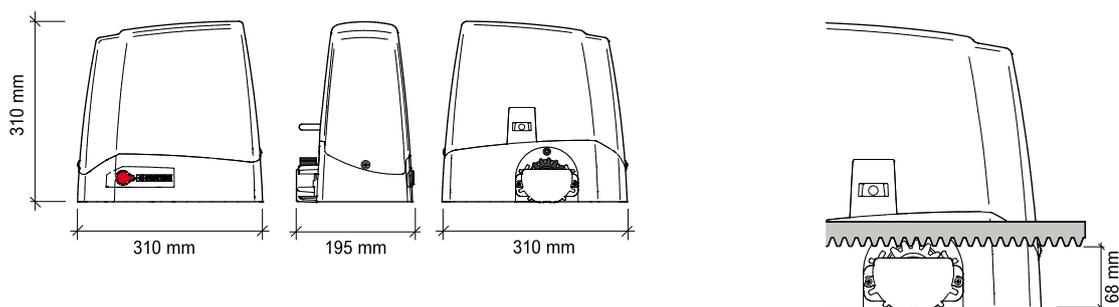


B120
4 m PVC rack

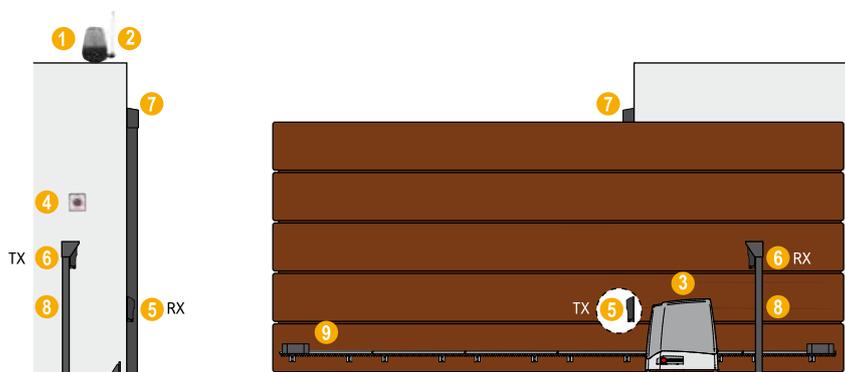
TECHNICAL FEATURES

	MEKO 5	MEKO 6	MEKO 8	MEKO 5 115	MEKO 8 115
Power supply	230V ~ 50Hz	24V dc	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz
Current	1.2 - 1.7A	0.7 - 10A	1.2 - 2A	2.0 - 2.3A	2.8 - 3.2A
Motor power	250 W	80 W	300 W	280 W	330 W
Capacitor	10 µF	-	10 µF	30 µF	30 µF
Thermic protection	150°C	-	150°C	150°C	150°C
Max thrust	350 N	400 N	440 N	380N	460 N
IP class protection	44	44	44	44	44
Revolution speed	1400 rpm	1600 rpm	1400 rpm	1700 rpm	1700 rpm
Opening speed	10,5 m/min	6 - 11 m/min	10,5 m/min	12 m/min	12 m/min
Max gate weight	500 Kg	600 Kg	800 Kg	500 Kg	800 Kg
Duty cycle	40%	80%	40%	40%	40%

DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Gear motor complete with control board and radio receiver
4_Key switch 5_Outer photocell 6_Inner photocell 7_Safety strip 8_Photocell posts 9_Rack

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism
stainless steel
wired keypad



RT37
Wireless keypad



B102
Galvanized metal rack
12x30x1000 mm



CM24 - CM25
Certified resistive
safety edge



Q BAT 1.2
Battery
12V 1.2Ah



KBT001
Battery wiring
set for 24V system



MSU14
Battery fixing plate



MOVER

Rack-driven motor for sliding gates
up to 1500 kg.

230V - 115V - 24V

Ideal solution for residential and apartment block settings.
Slick design, the position of the pinion on the short side of the gearmotor makes it particularly suitable for reduced space installations.
Sturdy aluminum base with external regulation for quick and optimal installation.

Noble metal gears, bronze transmission shaft.
User-friendly and weatherproof release system for easy manual operation.
Ground plate included.
Designed to fit both mechanical and magnetic limit switches.

Embedded control board featuring obstacle detection and plug-in radio receiver. Safety devices self-diagnosis.
Possibility of connecting resistive safety sensitive edges (8k2Ω).

Available in 24V for gates up to 650Kg for residential settings.



THE RANGE

	Power supply		Limit switch	Leaf
MOVER 5	230V-115V	rack	mechanical	500 Kg
MOVER 6	24V	rack	mechanical	650 Kg
MOVER 8	230V-115V	rack	mechanical	800 Kg
MOVER 15	230V-115V	rack	mechanical	1500 Kg
MOVER MAG 5	230V-115V	rack	magnetic	500 Kg
MOVER MAG 8	230V-115V	rack	magnetic	800 Kg
MOVER MAG 15	230V-115V	rack	magnetic	1500 Kg

KIT CONTENT

MOVER

Gear motor, embedded control board, integrated radio receiver 433.92 MHz and fittings (for 24V systems control unit comes separately)



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

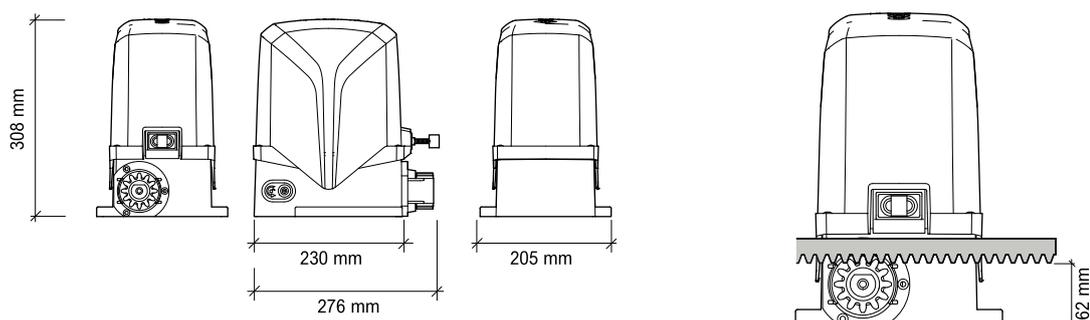


B120
4 m PVC rack

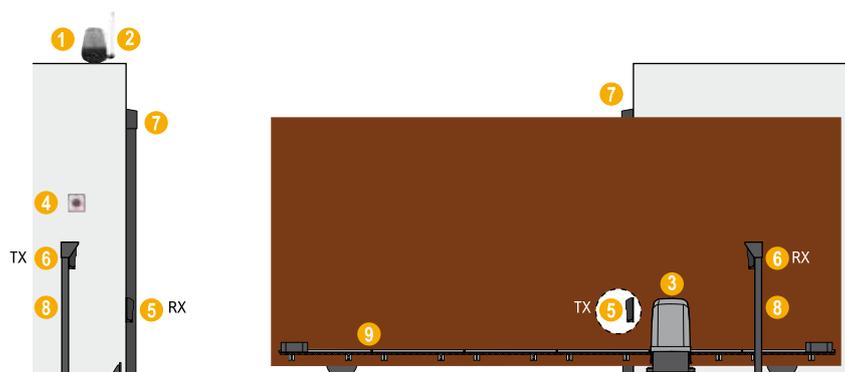
TECHNICAL FEATURES

	MOVER 5	MOVER 6	MOVER 8	MOVER 15	MOVER 5 115	MOVER 8 115	MOVER 15 115
Power supply	230V ~ 50Hz	24V dc	230V ~ 50Hz	230V ~ 50Hz	115V ~ 60Hz	115V ~ 60Hz	115V ~ 60Hz
Current	1.2 - 1.7A	0.7 - 10A	1.2 - 2A	3A	2.0 - 2.3A	2.8 - 3.2A	6.4 - 6.6A
Motor power	250 W	80 W	300 W	600 W	280 W	330 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
Max thrust	350 N	500 N	440 N	1000 N	380 N	460 N	1000 N
IP class protection	44	44	44	44	44	44	44
Revolution speed	1400 rpm	1600 rpm	1400 rpm	1400 rpm	1700 rpm	1700 rpm	1700 rpm
Opening speed	8.5 m/min	5 - 9 m/min	8.5 m/min	8.5 m/min	10 m/min	10 m/min	10 m/min
Max gate weight	500 Kg	650 Kg	800 Kg	1500 Kg	500 Kg	800 Kg	1500 Kg
Duty cycle	40%	80%	40%	40%	40%	40%	40%

DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Gear motor complete with control board and radio receiver
4_Key switch 5_Outer photocell 6_Inner photocell 7_Safety strip 8_Photocell posts 9_Rack

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism
stainless steel
wired keypad



RT37
Wireless keypad



B102
Galvanized metal rack
12x30x1000 mm



Q BAT 1.2
Battery
12V 1.2Ah



KBT001
Battery wiring
set for 24V system



MPIQ03
Fixing bracket
for batteries



CM24 - CM25
Certified resistive
safety edge



PAR04
Housing for
back-up batteries



CAT

Chain-driven motor for sliding gates
up to 800 kg.

230V - 115V

Ideal solution for residential and apartment block settings.
A good solution for existing gates where mechanical conditions restrict
the use of traditional rack-driven gear motors.
Particularly suitable for reduced space installations.
Noble metal gears, bronze transmission shaft.
User-friendly release system.
Complete with chain tightener and cogwheel protection plate.
Ground plate included.
Embedded control board with display and plug-in radio receiver.



THE RANGE

	Power supply		Limit switch	Leaf
CAT 5	230V-115V	chain	mechanical	500 Kg
CAT 8	230V-115V	chain	mechanical	800 Kg

KIT CONTENT

CAT
Gear motor, embedded
control board, integrated
radio receiver 433.92 MHz
and fittings



LUCE
LED 24V
flashing light



RF40
Photocell set



IKON
Pair of 4-ch
remote controls



ANT02
Outstanding
antenna

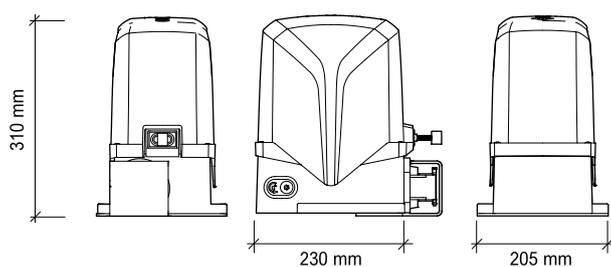


C102
3/8" chain - 5 m

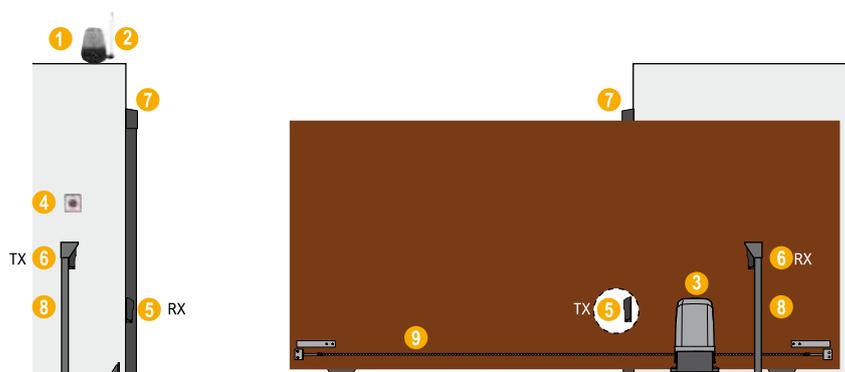
TECHNICAL FEATURES

	CAT 5	CAT 8	CAT 5 115	CAT 8 115
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%

DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Gear motor complete with control board and radio receiver
4_Key switch 5_Outer photocell 6_Inner photocell 7_Safety strip 8_Photocell posts 9_Chain

OPTIONAL ACCESSORIES



RS15
Key switch



RT35
Anti-vandalism
stainless steel
wired keypad



RT37
Wireless keypad



CM24 - CM25
Certified resistive
safety edge



MATRIX

Rack-driven motor
for heavy-duty industrial
sliding gates up to 2500 kg.

230V - 48V

Ideal solution for gates for intensive and semi-intensive use in apartment settings up to 1,800 kg and industrial gates up to 2,500 kg.
Double start capacitor for extra-power during slowdown for maximum reliability and precision in opening and closing.
Gearmotor with **brushless technology** for gates with intensive use up to 2,500Kg and high-speed version for gates up to 1,800Kg.
Smooth and precise movement in any installation context.
Designed to fit both mechanical and magnetic limit switches.
Ground plate and fixing bolts included.

Embedded control board with integrated receiver fitted on the upper side of the motor for easy programming.
Maximum safety and reliability granted by obstacle detection via encoder and memo-adaptive technology to overcome different weather conditions and friction changes.
Electronic inertia control.
Twinning function to synchronize two mirror sliding gates.



THE RANGE

	Motor	Limit switch	Use	Leaf
MATRIX 25	230V	mechanical/magnetic	semi-intensive	2500 Kg
MATRIX 18	230V	mechanical/magnetic	semi-intensive	1800 Kg
MATRIX BLDC	48V Brushless	mechanical/magnetic	intensive	2500 Kg
MATRIX HS	48V Brushless	mechanical/magnetic	hi-speed	1800 Kg

CONTENT



MATRIX
Gear motor



Screws and fittings

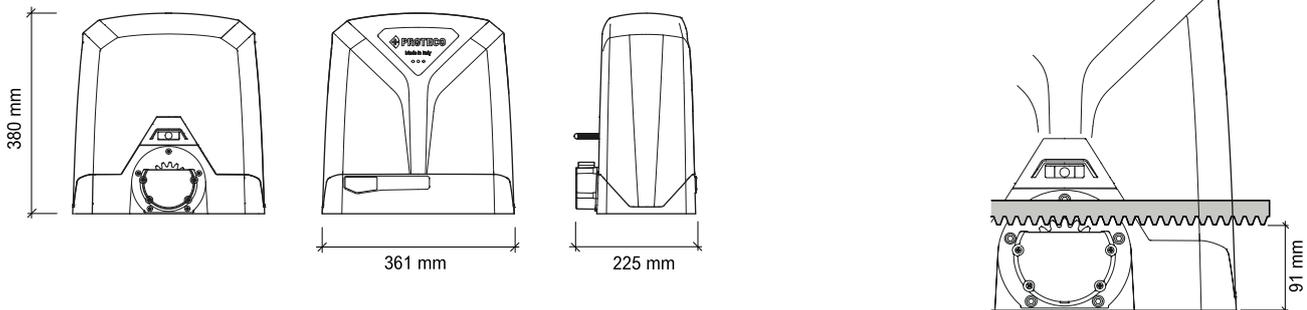


Q90SA/Q90SH
Control board integrated
with plug-in radio receiver
433.92 MHz

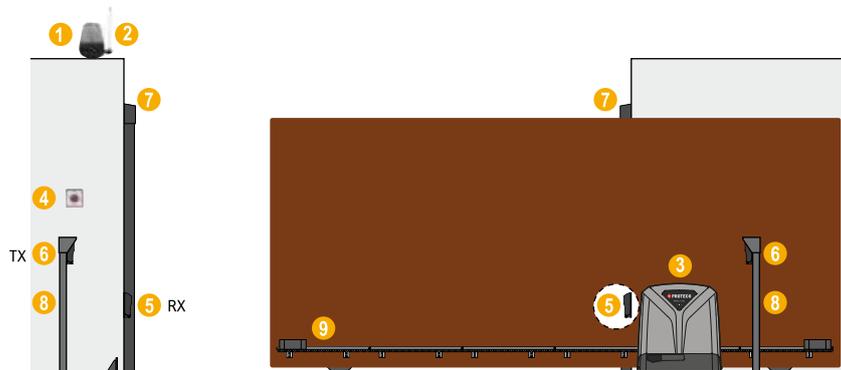
TECHNICAL FEATURES

	Matrix 25	Matrix 18	Matrix BLDC Intensive use	Matrix HS Hi-speed
Power supply	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz
Motor voltage	6 A	4,5 A	4,5 A	3 012A
Start-up current	2,5 A	2 A	1,4 A	1,3 A
Rated current	230V 50/60 Hz	230V 50/60 Hz	48V dc	48V dc
Rated power	550 W	500 W	350 W	300 W
Start-up capacitor	25 µF	30 µF	—	—
Standard capacitor	25 µF	20 µF	—	—
Start-up thrust	2000 N	1400 N	1600 N	1400 N
Rated thrust	1100 N	900 N	1000 N	700 N
Thermal cut-off	150° C	150° C	—	—
Max. opening speed	11 m/min	11 m/min	13 m/min	20 m/min
Max. leaf weight	2500 kg	1800 kg	2500 kg	1800 kg
Duty cycle	50%	50%	80%	80%
Operating temperature	-30°C ++ 55°C	-30° C ++ 55°C	-30°C ++ 55°C	-30°C ++ 55°C
IP rating	44	44	44	44

DIMENSIONS



INSTALLATION MAP



- 1_Flashing light 2_Outstanding antenna 3_Gear motor complete with control board and radio receiver
4_Key switch 5_Outer photocell 6_Inner photocell 7_Safety strip 8_Photocell posts 9_Rack

OPTIONAL ACCESSORIES



B102
Galvanized metal rack
12x30x1000 mm

M6 inox
cogwheel

LUCE
LED 24V
flashing light

RF40
Photocell set

IKON
4-ch remote
control

ANT02
Outstanding
antenna

CM24 - CM25
Certified resistive
safety edge

Q BAT 1.2
Battery 12V
1.2Ah.

KBT003
Battery charger
for Matrix brushless
systems

RS15
Key switch

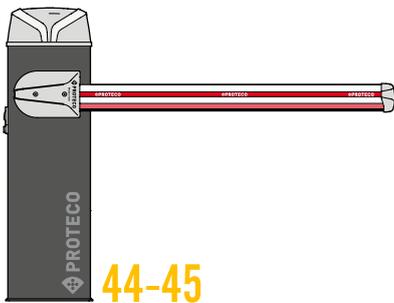
RT35
Anti-vandalism
stainless steel
wired keypad

RT37
Wireless keypad

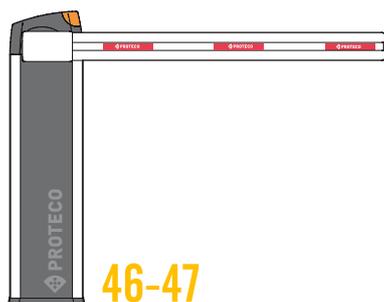


road BARRIERS

Selection guide 



S-PARK — 24V — Entryways 4 m — intensive — **S-PARK 4**
— 24V — Entryways 4 to 6 m — intensive — **S-PARK 6**



BARRY — 24V — Entryways 3,6 to 6 m — **BARRY DC**
— 230V — Entryways 3,6 to 6 m — **BARRY**

S-PARK

Road barrier for driveways with heavy transit flows, clearance width of up to 6 m. Ideal for residential, industrial facilities and apartment blocks.

24V

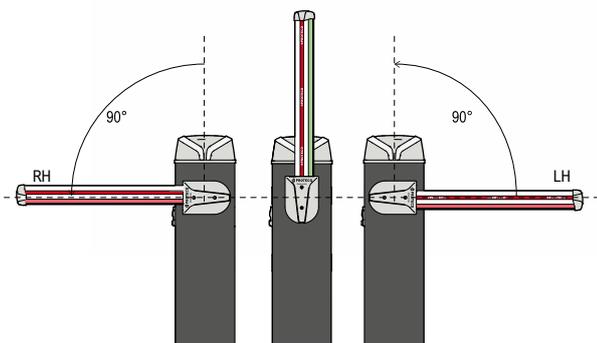
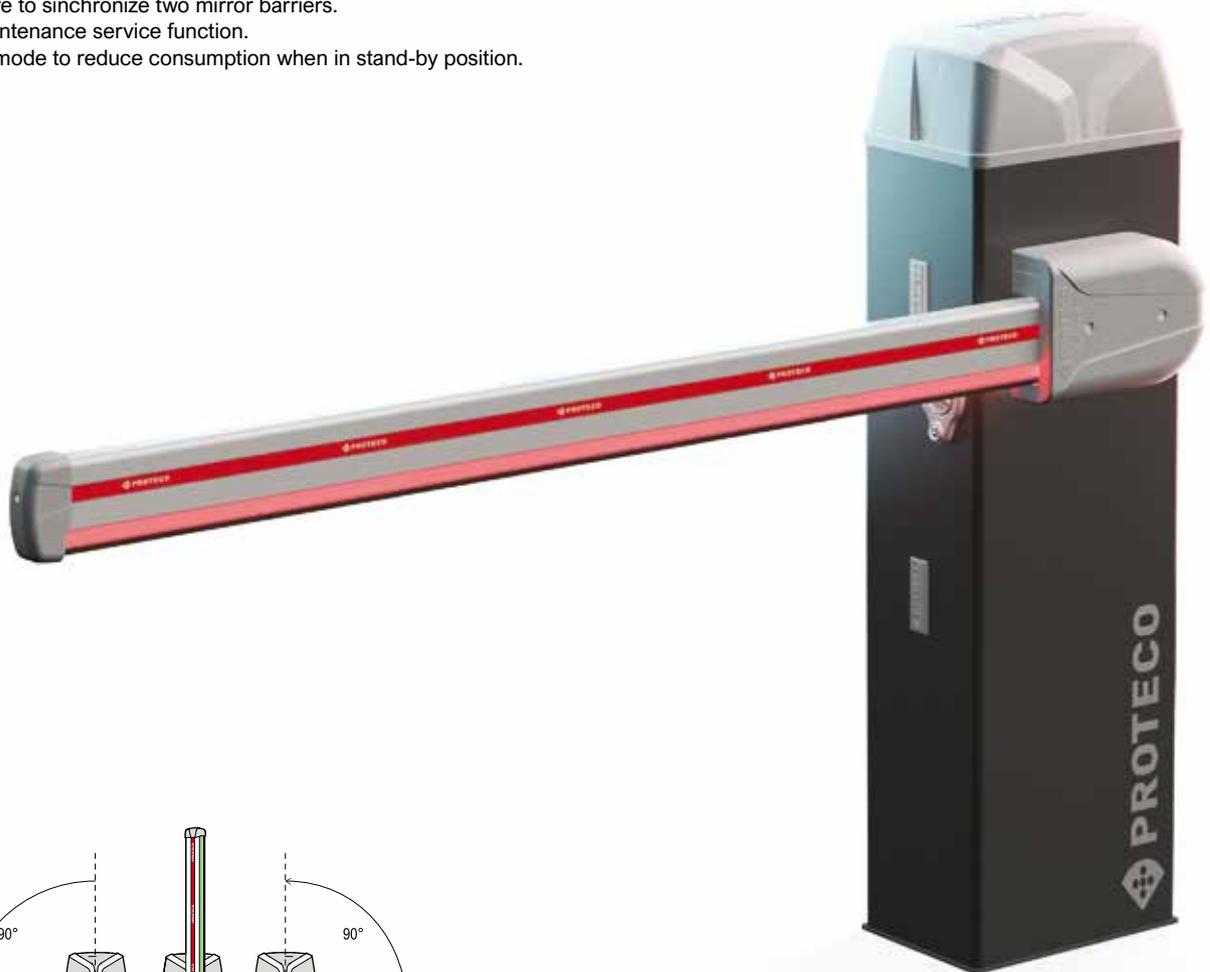
Powder coated inox cabinet, fitted with pre-drilled housings for sensors.
Adjustable mechanical limit switches.
LED luminous signaling on the barrier cabinet.
Shock-proof rubber boom, can be integrated with red/green LED strips (optional).
Right and left hand application.
Release system for easy manual operation secured by key and safety microswitch.
Quick opening in 2.5" for drive ways up to 3 m.

Built-in Q90BD pcb integrated in the upper side of the barrier.

Obstacle detection feature and integrated encoder.
Twinning feature to synchronize two mirror barriers.
Scheduled maintenance service function.
Power-Saving mode to reduce consumption when in stand-by position.

THE RANGE

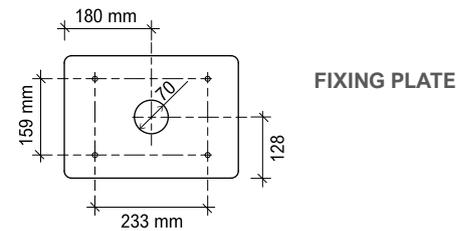
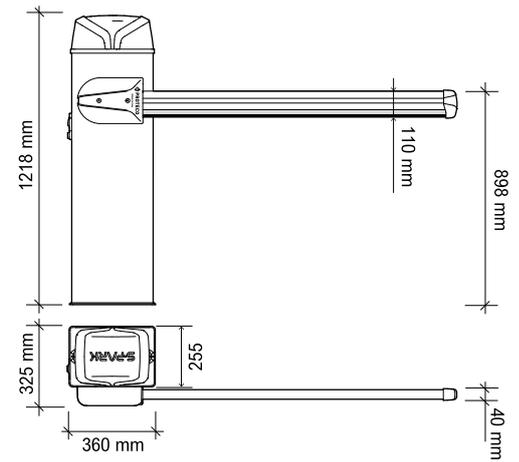
	Power supply	Entryway	Use	Opening time
S-PARK 4	24V	intensive	from to 4 m	2.5" ÷ 4"
S-PARK 6	24V	intensive	from to 6 m	4.5" ÷ 6"



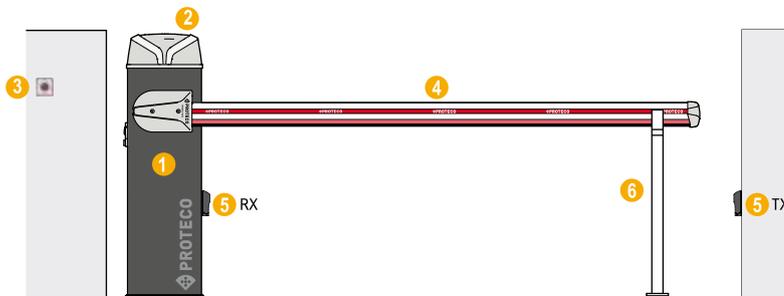
TECHNICAL FEATURES

	S-PARK 4 from 4 to 4 m	S-PARK 6 from 4 to 6 m
Main power supply	230V 50/60 Hz	230V 50/60 Hz
Motor Voltage	24V dc	24V dc
Motor Torque	120 Nm	180 Nm
Opening speed	2.5 ÷ 4 sec.	4.5 ÷ 6 sec.
Operating temperature	-25°C ÷ +55°C	-25°C ÷ +55°C
Duty Cycle	80% (max cycles/hour 200)	80% (max cycles/hour 130)
Dimensions	340x235 H 1210	340x235 H 1210
IP rating	54	54

DIMENSIONS



INSTALLATION MAP



- 1_Complete barrier with control unit and radio receiver 2_Flashing light 3_Key switch
4_Aluminium boom 5_Outer photocells 6_Fixed support

OPTIONAL ACCESSORIES



BARRY

Road barrier for driveways with heavy transit flows, clearance width of up to 6 m. Ideal for residential facilities and apartment blocks.

230V - 24V

Powder coated aluminium cabinet fitted with LED luminous signaling and integrated flashing light.

One single version to handle driveways from 3,6 to 6m, equipped with adjustable springs according to the length needed, telescopic boom and ground plate.

Built-in control unit integrated with radio receiver.

Obstacle detection feature.

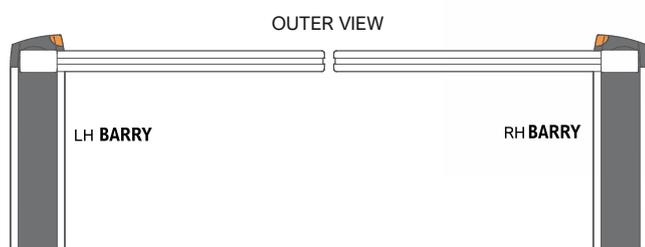
Automatic or step by step closing.

Trimmers regulation for torque and closing time settings.

Fault diagnostic by LED signaling.

THE RANGE

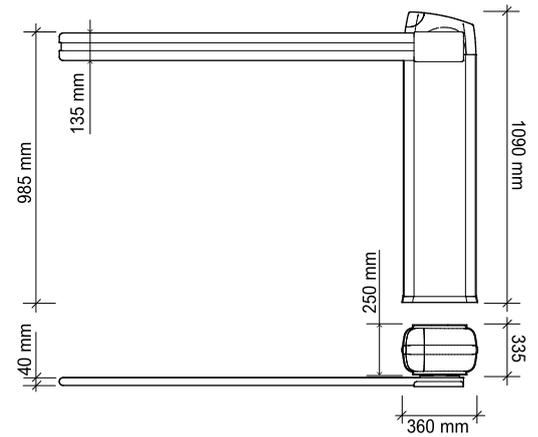
	Power supply	Driveway	Installation	Opening time
BARRY dx	230V	6"	RH	3,6 - 6 m
BARRY sx	230V	6"	LH	3,6 - 6 m
BARRY DC dx	24V	6"	RH	3,6 - 6 m
BARRY DC sx	24V	6"	LH	3,6 - 6 m



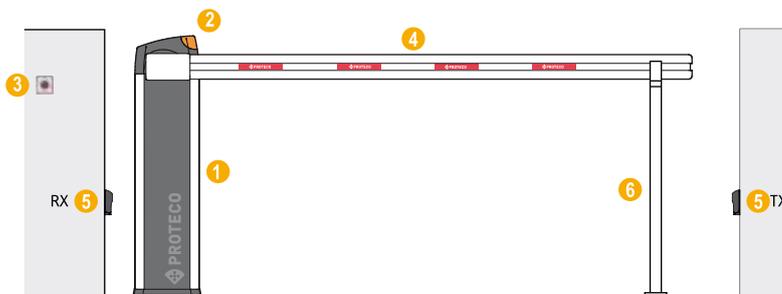
TECHNICAL FEATURES

	BARRY 230V AC	BARRY 24V DC
Power supply	230V ~ 50Hz	230V ~ 50Hz
Motor Voltage	230V ac	24V dc
Motor power	200W	160W
Absorption max	1,5A @230V	1,2A @230V
Opening time	about 6 seconds	about 6 seconds
Automatic closing	from 1 to 60 sec.	from 1 to 60 sec.
Boom max. length	6 m	6 m
Accessories	12Vdc, 8W max.	24Vdc, 8W max.
Working temperature	da -20 a +50 °C	da -20 a +50 °C
Frequency	433,92 Mhz	433,92 Mhz
IP rating	44	44
Number of cycles per day	250	300

DIMENSIONS



INSTALLATION MAP



- 1_Complete barrier with control unit and radio receiver 2_Flashing light 3_Key switch
4_Aluminium boom 5_Outer photocells 6_Fixed support

ACCESSORIES INCLUDED



PBRAT0
Telescopic boom 3.6+2.7 m for BARRY



Fittings

OPTIONAL ACCESSORIES



PBRG105
Fixed support



PBRAM01
Moving support



RF12
Metal post for RF40



IKON
4-ch remote control



RF40
Photocells 12-24V
for external mounting



MG04
1-ch loop detector



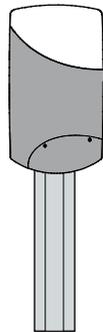
RG05
2-ch loop detector





GARAGE Door Automation

Selection guide



50-51

LIBRA

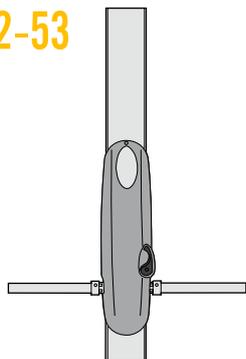
Max lift 60 Kg

LIBRA

Max lift 100 Kg

LIBRA PLUS

52-53



BALANCE

Max door width 10 m²

LIBRA

Garage automation for SECTIONAL doors, surface area up to 12 m².

24V

External display buttons for easier start-up and diagnoses.

Obstacle detection feature, automatically calibrates forces according to the weight of the door.

Encoder system to ensure greater safety and reliability.

Automatically tests photocells during installation.

Dead man feature, allows to open the door by remote control in case of faulty photocell operation.

Safety stop contact, allows the connection of a pedestrian door.

Built-in LED courtesy light, equipped with energy saving system.

Chain drive rack, pull-cord release to fit onto the door's lock and handle system.

Suitable for protruding overhead garage door as well, using the optional adapter arm.



THE RANGE

	Power supply	Force	Guide	Max. load
LIBRA	24V	700 N	3,0 m	60 Kg
LIBRA Plus	24V	1100 N	3,3 m	100 Kg

KIT CONTENT

Automated operator featuring a control board and radio receiver 433.92 MHz



Chain guide 3 m / 3,3 m

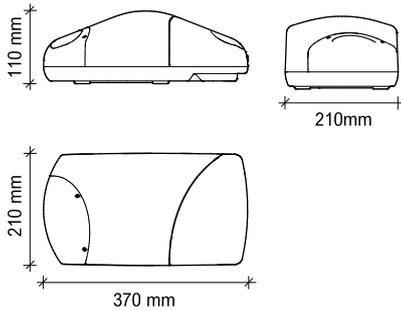


IKON
4-ch remote control

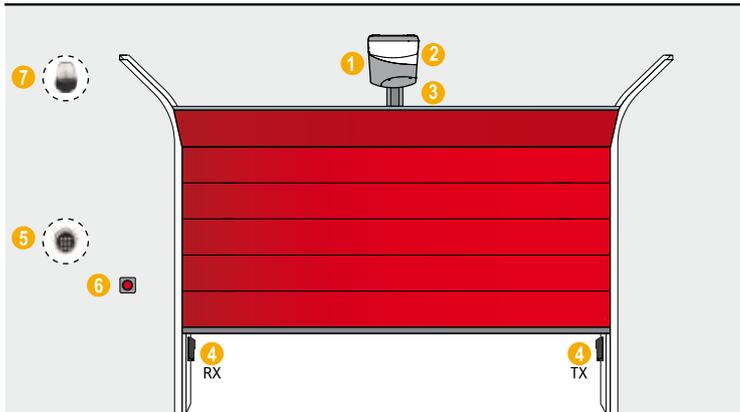
TECHNICAL FEATURES

	LIBRA	LIBRA Plus
Motor power supply	24V dc	24V dc
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 ²	12 m ²
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

DIMENSIONS



INSTALLATION MAP



- 1_Door opener featuring control board and radio receiver 2_Courtesy light 3_Chain guide
4_Photocells 5_Wireless keypad 6_Emergency push button 7_Flashing light

OPTIONAL ACCESSORIES



MLIR07
Pull-cord release
to fit on door handle



RC22
Mechanical safety strip
24 mm x 2,5 m



LUCE
LED 24V
flashing light



ARC02
Adapter arm for protruding
overhead doors



RF40
Photocell set 12-24V
external mounting

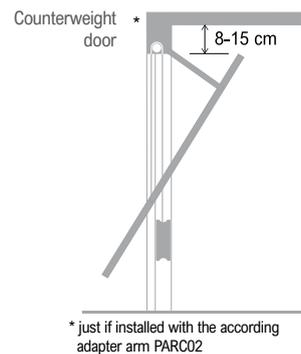
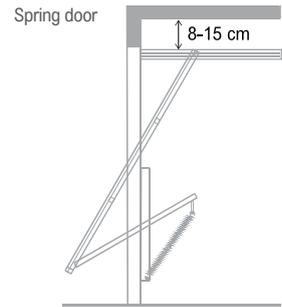
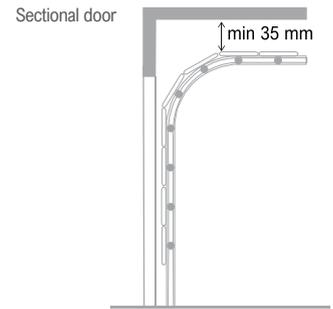


RT37
Wireless keypad



RS15
Key switch

DOOR TYPE



BALANCE

Automation for counterweight garage doors up to 10 m² .

230V

Electromechanical locked gearmotor complete with adjustable electromechanical limit switches.

Bronze and steel transmission system.

Equipped with integrated courtesy light and handle for manual operation.

The optional kit available as accessory allows to unlock the door from outside the garage.

Embedded control unit with obstacle detection function, slowdown can be adjusted both in opening and closing. Integrated radio receiver.

Also available without control unit.

Suitable for dual motor installation with fixing arms and fittings.

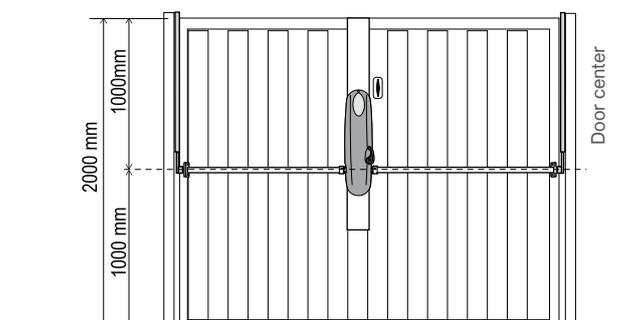


THE RANGE

	Power supply	Drive rack	Control board
BALANCE	230V	1,5 m	Q80S
BALANCE CN	230V	1,5 m	

DOOR TYPE

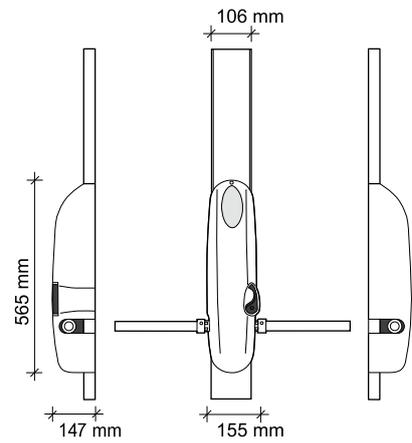
Non-protruding overhead door



TECHNICAL FEATURES

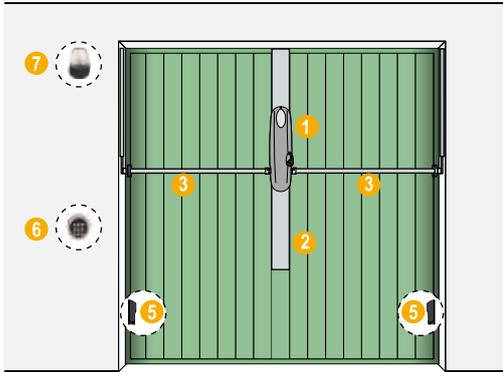
BALANCE	
Door max. width	10 mq
Power supply	230V ac
Rated power	250W
RPM	1400
Capacitor	12,5 µF
Absorption	1,3 A
Working temperature	-20° C / +55° C
Weight	8 Kg
IP protection	IP 30

DIMENSIONS

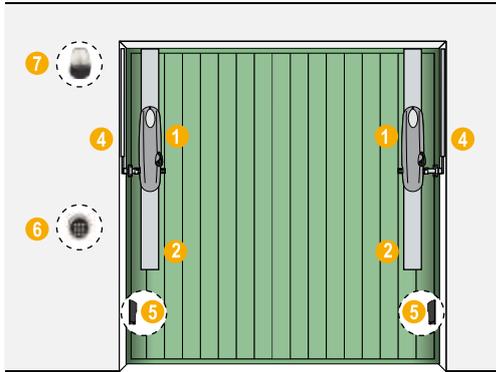


INSTALLATION MAP

CENTRAL APPLICATION

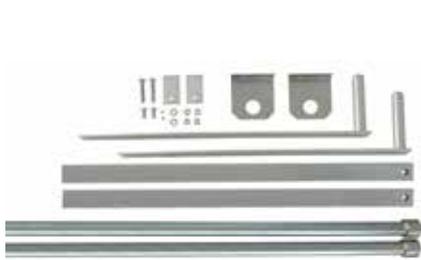


SIDE APPLICATION

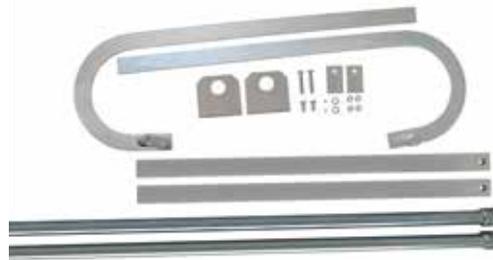


1_Door opener featuring control board and radio receiver 2_Drive rack 3_Fittings for central application 4_Fittings for side application
5_Photocells 6_Wireless keypad 7_Flashing light

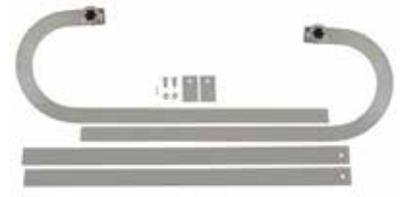
OPTIONAL ACCESSORIES



E102C
Straight arms kit for central mounting



E102U
Curved arms kit for central mounting



E102UL
Curved arms kit for side mounting



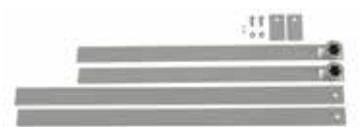
E101
Release kit for existing lock



IKON
4-ch remote control



E107A
Drive rack
1,5 m



E102L
Fittings kit for side mounting



RC22
Mechanical safety
strip 24 mm x 2,5 m



RT37
Wireless keypad



RS15
Key switch



LUCE
LED 24V
flashing light



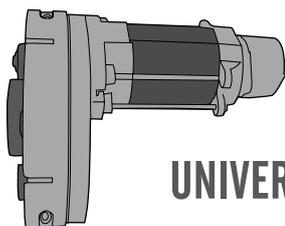
RF40
Photocell set 12-24V
external mounting





ROLLING SHUTTER

Selection guide



UNIVERSAL

reversible

max lift 170 Kg

UNIVERSAL

with electro-brake

max lift 170 Kg

UNIVERSAL B

max lift 360 Kg

double-motor version

UNIVERSAL B/2M

UNIVERSAL

Automated operator
for rolling shutters,
for residential and industrial areas.

230V

Suitable for existing or brand new shutters.
Built-in limit switches, to ensure easier safe regulation in opening and closing.
Available in reversible or locked version, featuring electro-break and release system for manual operation.
Transmission gear accessories and spring pulley adapters included.
For big shutters dual-motor operator available.

UNIVERSAL



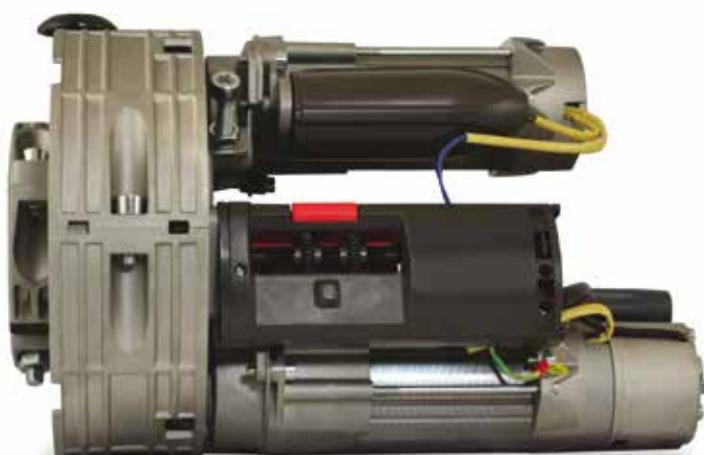
THE RANGE

	Power supply	Version	Ø Shaft	Ø Spring-pulley	Max. Load
UNIVERSAL	230V	reversible	60-48 mm	200-220 mm	170 Kg
UNIVERSAL B	230V	locked	60-48 mm	200-220 mm	170 Kg
UNIVERSAL B/2M	230V	locked dual motor	100-76 mm	240 mm	360 Kg

UNIVERSAL B



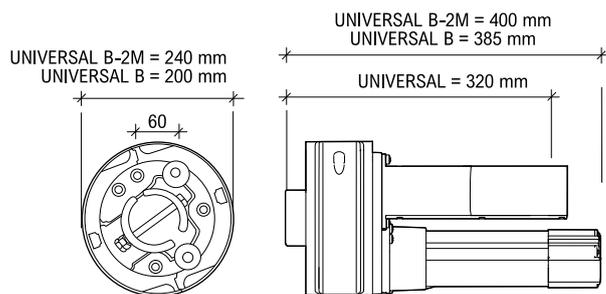
UNIVERSAL B-2M



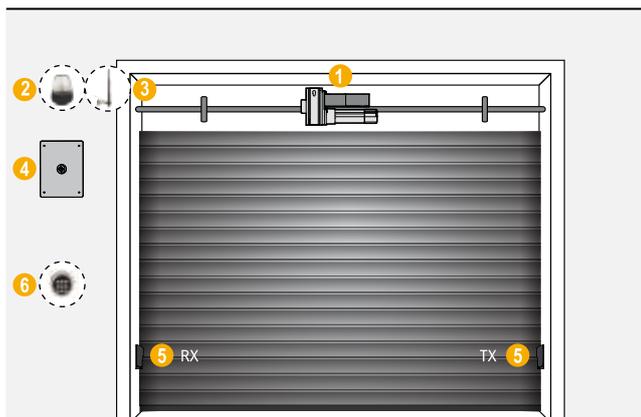
TECHNICAL FEATURES

	UNIVERSAL	UNIVERSAL B	UNIVERSAL B-2M
Power supply	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz
Current	2.7A	2.7A	5.5A
Motor power	600 W	600 W	1260 W
Thrust	178 Nm	168 Nm	443 Nm
Pulley speed	10 rpm	10 rpm	8 rpm
Max load	170 Kg	170 Kg	360 Kg
Max stroke	6 m	6 m	6 m
Drive-shaft diameter	60/48 mm	60/48 mm	76/101 mm
Spring-holder pulley	200/220 mm	200/220 mm	240/280 mm
Duty cycle	30%	30%	30%

DIMENSIONS



INSTALLATION MAP



1_Automated operator 2_Flashing light 3_Outstanding antenna 4_Control board
5_Outer photocell 6_Wireless keypad

OPTIONAL ACCESSORIES



RT23
Secure lock box featuring release device for manual operation



IKON
4-ch remote control



RS15
Key switch



RF40
Photocells 12-24V external mounting



Q45
Control board 230V for shutters



RT37
Wireless keypad



LUCE
LED 24V flashing light



ANT02
Outstanding antenna



BLIND and AWNING Automation



Selection guide



Projection of arms	Number of arms		
	2	4	6
4 m	PTP45 50 - PTP45 50M		
2,5 m	PTP45 30	PTP45 50	
1,5 m	PTP45 50M		

Interior blind Ø70 mm (adapter in option)



Material	MAX m ²							
	2,5	3,5	4	5,25	7	8	9,5	15
PVC and light-weight aluminium 6 kg/m ²	PTP45 20			PTP45 30			PTP45 50	
Extruded aluminium and standard inox 9,5 kg/m ²	PTP45 20		PTP45 30		PTP45 50			N.A.
Armored inox and wood 12,5 kg/m ²	PTP45 20	PTP45 30		PTP45 50		N.A.		

Interior blind Ø60 mm (adapter in option)



PTP45

Tubular motors Ø 45 mm
for awnings and blinds.

230V

Tubular motor featuring electro-brake, powerful and noiseless.
Quick and easy installing on new and existing blinds and awnings.
Mechanical limit-switches with progressive adjustment both in opening
and closing position.

Bracket and Ø 60 mm octagonal shaft adapter included.
Version featuring manual override system available (M models).

THE RANGE

	Power supply	Ø	Force	rpm	Consumption	Max. load (Ø 60mm shaft)
PTP45 20	230V	45 mm	20 N	17	0.14 kW	32 Kg
PTP45 30	230V	45 mm	30 N	17	0.19 kW	52 Kg
PTP45 50	230V	45 mm	50 N	13	0.23 kW	90 Kg
PTP45 50M	230V	45 mm	50 N	13	0.23 kW	90 Kg



CONTENTS

PTP45



PTP45 50M



TECHNICAL FEATURES

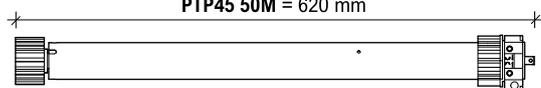
	PTP45 20	PTP45 30	PTP45 50	PTP45 50M
Power supply	230V	230V	230V	230V
Thrust	20 Nm	30 Nm	50 Nm	50 Nm
Current	0.68A	0.95A	1.06A	1.06A
Motor power	155 W	226 W	244 W	244 W
Motor speed	17 rpm	17 rpm	13 rpm	13 rpm
Weight	2.3 Kg	2.35 Kg	2.4 Kg	3.3 Kg
Limit revs	440 mm	480 mm	480 mm	620 mm

DIMENSIONS

PTP45 20 = 440 mm - PTP45 30/50 = 480 mm

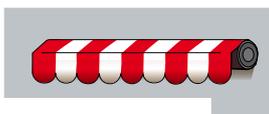


PTP45 50M = 620 mm

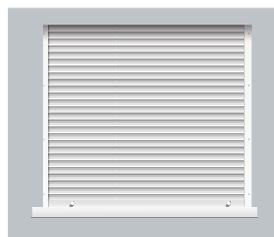


INSTALLATION MAP

AWNINGS



BLINDS



OPTIONAL ACCESSORIES



PTPQ01W
Radio receiver
433 MHz



PTPTX1W
Remote control
433 MHz
1-channel



PTPTX5W
Remote control
433 MHz
5-channels



PTPS03W
Wind/sun sensor,
solar powered



PTPR01W
Adapter Ø 70 mm
for awnings



PTPR03W
Motor bracket,
wall mounting





CONTROL BOARDS

List of Settings

SETTINGS	Q80A	Q60A	Q81A	Q20A	Q80S	Q60S	Q81S	Q20S	Q90SA	Q90SH	Q90BD	Q45
Control board power	230V 115V	230V	230V 115V	230V 115V	230V 115V	230V	230V 115V	230V 115V	230V	230V 115V	230V 115V	230V
Motor power	230V 115V	230V	230V 115V	24V	230V 115V	230V	230V 115V	24V	230V	48V	24V	230V
Programming screen/fault diagnostic	●	●		●	●	●		●	●	●	●	
Obstacle detection (EN 12453)	●		●	●	●		●	●	●	●	●	
Simplified self-programming mode	●		●	●	●		●	●	●	●	●	
Sequential programming mode	●	●	●	●	●	●	●	●				●
Automatic closing	●	●	●	●	●	●	●	●	●	●	●	●
Step by step mode	●	●	●	●	●	●	●	●	●	●	●	●
Multi-occupation feature	●	●	●	●	●	●	●	●	●	●	●	
Pedestrian opening	●	●	●	●	●	●	●	●	●	●		
Adjustable deceleration time	●	●	●	●	●	●	●	●	●	●	●	
Adjustable delay time	●	●	●	●								
Reversing strock / Lock pulse	●	●	●	●								
Separate OPEN/CLOSE push buttons	●	●		●	●	●		●	●	●	●	
Maintenance service				●				●	●	●	●	
Dead man		●			●	●	●	●	●	●		●
Working cycles counter	●			●	●			●	●	●	●	
BUILT-IN radio receiver 433,92 MHz												●
PLUG-IN radio receiver 433,92 MHz	●		●	●	●		●	●	●	●	●	
PRE-WIRED radio receiver 433,92 MHz		●				●						
Input resistive safety edge 8K2	●	●	●	●	●	●	●	●	●	●		
Electric-lock interface 12V ac/dc OPTIONAL	●	●	●									
Output electric-lock 12Vac/dc				●								
Output AUX/2° radio channel									●	●	●	
2° radio channel interface - OPTIONAL	●		●	●	●		●	●				
Battery powered				●				●			●	

Q80A

230V control board for single or double swing gates

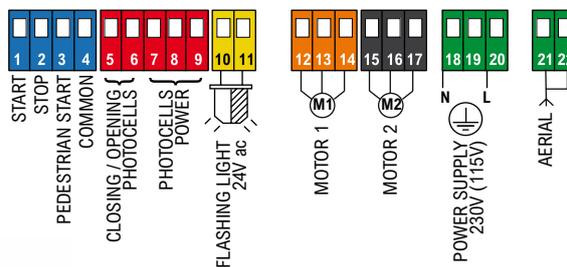
Control board powered at 230V
Also available in 115V

Motors powered at 230V
Also available in 115V

Capacity: 64 codes



WIRING



OPTIONAL ACCESSORIES



MRX01 AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



MELO4 Card module interface for electric-lock (12V, 15W).

MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working times and deceleration for each motor.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photo cell and motor test.
- Working cycles counter.
- Separate OPEN/CLOSE push buttons function.
- Can command a timer.
- Optional card module interface for electric-lock, "reversing stroke" and "lock pulse" functions.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.9 2MHz.



Q60A

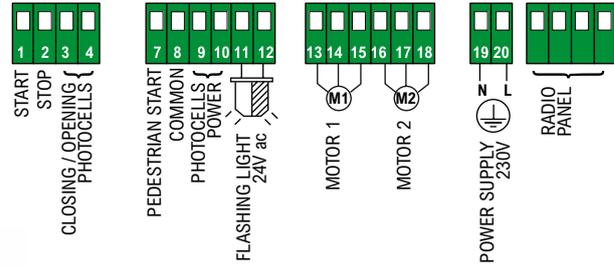
230V control board for single or double swing gates

Control board powered at 230V

Motors powered at 230V

Capacity: 56 codes

WIRING



OPTIONAL ACCESSORIES



MELO1 Card module interface for electric-lock (12V, 15W).

MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Separate sequential settings for each function.
- Electronic settings of force, working and deceleration times for each motor.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Photocell and motor test.
- Optional card module interface for electric-lock, "reversing stroke" and "lock pulse" functions.
- Plug-in terminals.
- Input for a timer.
- Plug-in radio receiver 433.92 MHz.



Q81A

230V control board for single or double swing gates

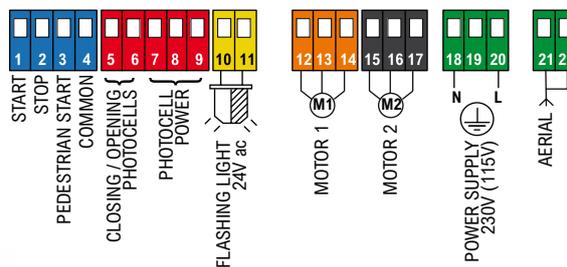
Control board powered at 230V
Also available in 115V

Motors powered at 230V
Also available in 115V

Capacity: 64 codes



WIRING



OPTIONAL ACCESSORIES



MRX01 Card module interface for electric-lock (12V, 15W).



MELO4 Card module interface for electric-lock (12V, 15W).

MAIN FEATURES

- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential programming for working and deceleration times.
- Trimmers setting of force and obstacle detection sensitivity.
- Self-diagnosis with LED signaling of faults.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Automatic or step by step closing mode.
- Quick closing "follow me" feature.
- Photoeye and motor test.
- Can command a timer.
- Optional card module interface for electric-lock, "reversing stroke" and "lock pulse" functions.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92 MHz.



Q20A

24V control board for single or double swing gates

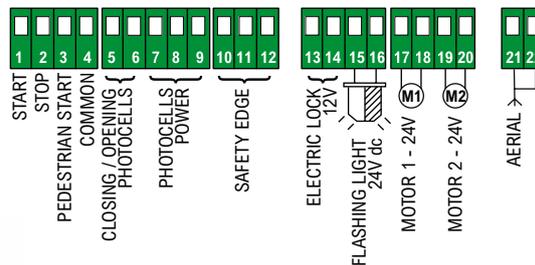
Control board powered at 230V
Also available in 115V

Motors powered at 24V

Capacity: 99 codes



WIRING



OPTIONAL ACCESSORIES



MRX02

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



QBAT1.2

Battery 12V 1.2Ah.



KBT001

Battery wiring set.



MPIQ03

Battery fixing plate for PAR04 housing.

MAIN FEATURES

- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working times and deceleration for each motor.
- Adjustable delay time feature.
- Single leaf gate mode.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Can command a timer.
- Built-in charger.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Output for electric-lock 12Vac/dc.
- Plug-in radio receiver 433.92 MHz.



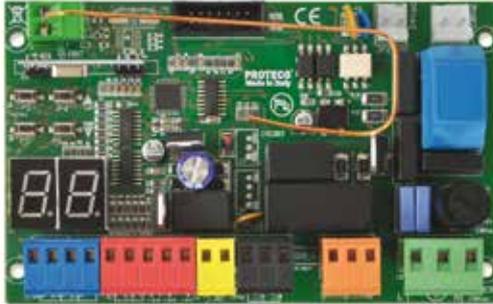
Q80S

230V control board for sliding gates

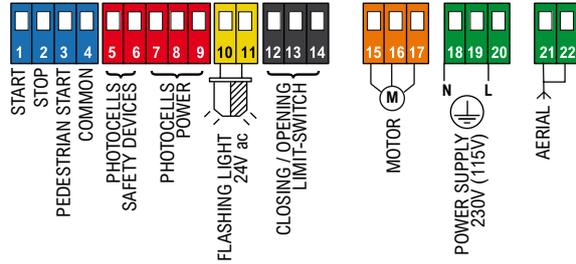
Control board powered at 230V
Also available in 115V

Motor powered at 230V
Also available in 115V

Capacity: 64 codes



WIRING



OPTIONAL ACCESSORIES



MRX01

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.

MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working and deceleration times for each motor.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92 MHz.



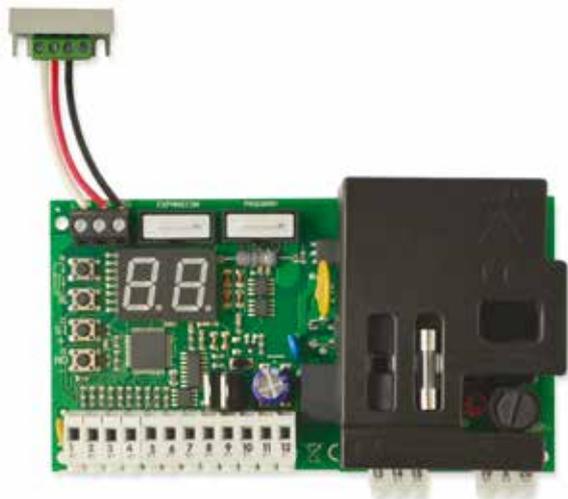
Q60S

230V control board for sliding gates

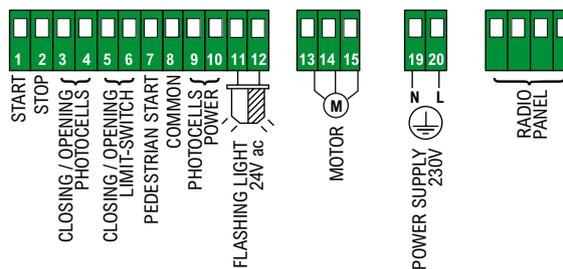
Control board powered at 230V

Motor powered at 230V

Capacity: 56 codes



WIRING



MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Separate sequential settings for each function.
- Electronic settings of force, working and deceleration times.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Photocell and motor test.
- Plug-in terminals.
- Input for a timer.
- Plug-in radio receiver 433.92 MHz.



Q81S

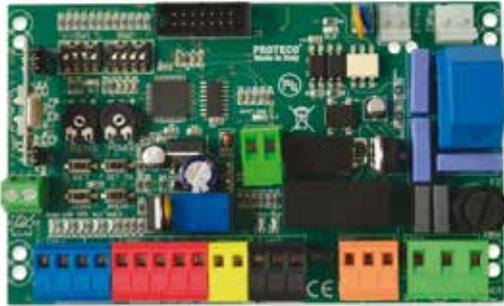
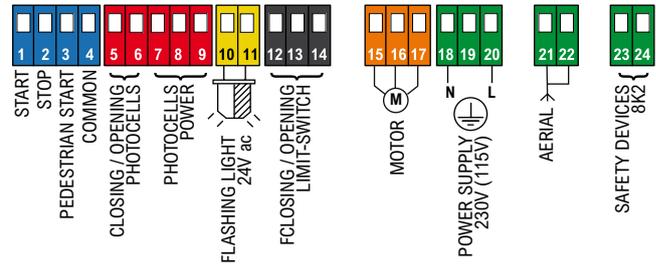
230V control board for sliding gates

Control board powered at 230V
Also available in 115V

Motor powered at 230V
Also available in 115V

Capacity: 64 codes

WIRING



OPTIONAL ACCESSORIES



MRX01

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.

MAIN FEATURES

- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential programming for working and deceleration times.
- Trimmers setting of force and obstacle detection sensitivity.
- Self-diagnosis with LED signaling of faults.
- Pedestrian opening.
- Multi-occupation function.
- Automatic or step by step closing mode.
- Quick closing "follow me" feature.
- Dead man functioning.
- Photocell and motor test.
- Can command a timer.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92 MHz.



Q20S

24V control board for sliding gates

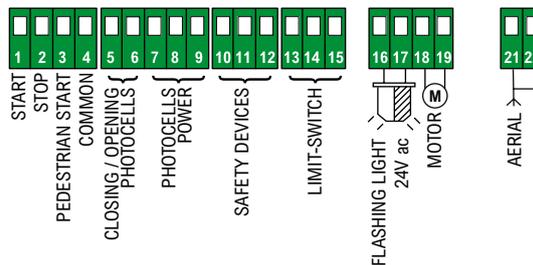
Control board powered at 230V
Also available in 115V

Motor powered at 24V

Capacity: 99 codes



WIRING



OPTIONAL ACCESSORIES



MRX02 AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



QBAT1.2 Battery 12V 1.2Ah.



KBT001 Battery wiring set.



MSU14 Battery fixing plate for MEKO sliding motors range.

MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Separate electronic settings of working and deceleration times for each motor.
- Pedestrian opening.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Built-in charger.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.9 2MHz.



Q90SA

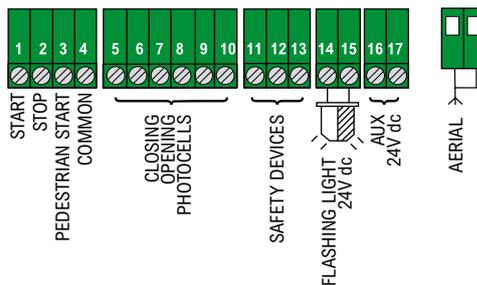
MATRIX range - 230V control board for sliding gates

Control board powered at 230V

Motor powered at 230V

Capacity: 96 codes

WIRING



OPTIONAL ACCESSORIES



MRX01

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



PMXM01

Optional card module interface to synchronize a double sliding gate.



MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Electronic settings of working and deceleration times.
- Electronic inertia control.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Pedestrian opening.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92 MHz.
- Optional card module interface to synchronize a double sliding gate.



Q90SH

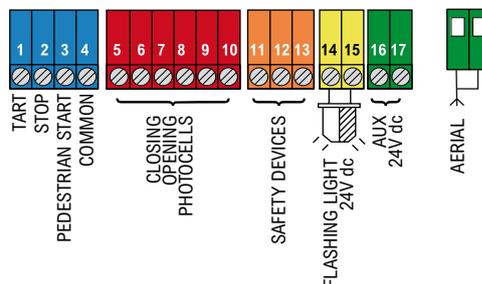
MATRIX range - control board for BRUSHLESS sliding gates

Control board powered at 230V
Also available in 115V

BRUSHLESS motor powered at 48V

Capacity: 96 codes

WIRING



OPTIONAL ACCESSORIES



MRX01

AUX card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.



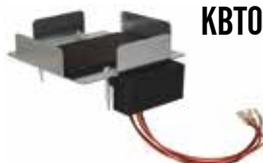
PMXM01

Optional card module interface to synchronize a double sliding gate.



Q BAT 1.2

Battery 12V 1.2Ah.



KBT003

Battery charger for Matrix brushless systems

MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Advanced sequential settings for each function.
- Adjustable motor speed.
- Electronic settings of working and deceleration times.
- Electronic inertia control.
- Multi-occupation function.
- Three different closing modes: automatic, semi-automatic, step by step.
- Pedestrian opening.
- Quick closing "follow me" feature.
- Photocell and motor test.
- Working cycles counter.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Dead man function.
- Can command a timer.
- Output AUX for optional card module interface to command a 2° radio channel, or to control the gate status, or to fit a courtesy light.
- Plug-in terminals.
- Input for 8K2 resistive safety strip.
- Plug-in radio receiver 433.92 MHz.
- Optional card module interface to synchronize a double sliding gate.



Q90BD

S-PARK road barriers' range Control board 24V

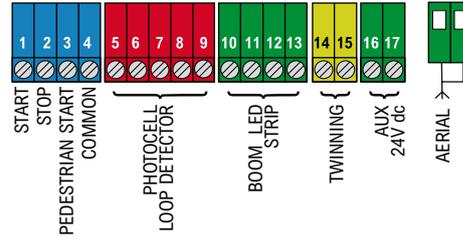
Control board powered at 24V
Also available in 115V

Motor powered at 24V

Capacity: 96 codes



WIRING



OPTIONAL ACCESSORIES



MRX01

Optional AUX card module to command a 2° radio channel, or control the gate status, or fit a courtesy light.



KBT002

Back-up battery set 1,2Ah and wirings.

MAIN FEATURES

- LED display screen for programming and fault diagnosis.
- Obstacle detection function (EN 12453) with adjustable threshold.
- Simplified self-learning programming mode.
- Electronic regulation of deceleration time.
- Multi-occupation function.
- Automatic, semi-automatic and step by step closing mode.
- Quick closing "follow me" function.
- Working cycles counter.
- Twinning function, for the synchronization of two mirror barriers.
- Maintenance interval function.
- Separate OPEN/CLOSE push buttons function.
- Built-in battery charger.
- AUX output for: 2° radio channel, or gate status notice, or courtesy light.
- Plug-in terminals.
- Plug-in radio receiver 433.92 MHz.



Q45

Control board 230V for rolling shutters

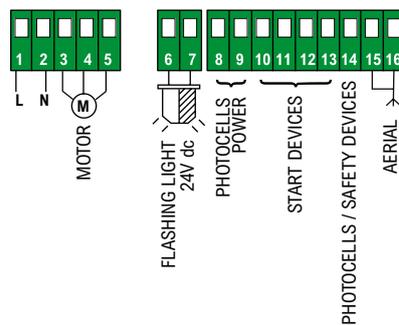
Control board powered at 230V

Motor powered at 230V

Capacity: 48 codes



WIRING



MAIN FEATURES

- Sequential programming mode of working times.
- Adjustable automatic closing or step by step closing.
- Delayed opening function in case of multiple automated shutters.
- Can command a timer.
- Dead man feature.
- Flashing light output.
- Photocells and safety strips output.
- Plug-in terminals.
- Embedded radio receiver 433.92 MHz.



SAFETY ACCESSORIES



Transmitters

IKON



4-channel radio remote control. Sleek design, ergonomic grip with chrome details. Extended radio signal and self-learning function to work with Angie and TX4334 remote controls. Fully compatible with all Proteco automations.

Model	IKON
Battery	3V Litium, CR2032
Frequency	433,92 MHz ± 100 KHz
Channels	4
Type of code	Random fixed code

ANGIE



4-ch remote control. Works with any Proteco systems. Extended radio range. Available in fixed code or rolling code version.

Model	ANGIE	ANGIE-R
Battery	A23/23A	A23/23A
Frequency	433.92 MHz	433.92 MHz
Channels	4	4
Type of code	Random fixed code	Rolling-code

TX4334



3-key remote control, 4 channels. Works with any Proteco systems. Dip-switches fixed code.

Model	TX4334
Battery	A23/23A
Frequency	433.92 MHz
Channels	3+1
Type of code	Dip-switches fixed code

Antennas

ANT02



Outstanding antenna. Provided with fittings (fixing support and coaxial cable 3.5 m length). Radio frequency 433.92 MHz.

Radio receivers

RX 433



Radio receiver for external mounting, complete with case and aerial. Available in 1 or 4-channel version. Optional memory card with 512 code storage capacity. Power supply 12/24V ac/dc.

Model	Power supply	Frequency	Channel	Storage capacity
RX 433 1	12/24V ac/dc	433.92 MHz	1	64
RX 433 4	12/24V ac/dc	433.92 MHz	4	64



Sensors

RF40



Wired infrared photocells.
Wall or RF12 iron post mounting.
Power supply 12/24V ac/dc.

RF38



180° orientable photocell.
Wall and/or RF12 iron post mounting.
Power supply 12/24V ac/dc.

RF33



Wireless safety photocells.
Adjustable up to 90°.
Battery-powered transmitter.
Input for safety edges.
Power supply 12/24V ac/dc.
Batteries included.

RF12

Metal coated post
for RF40 and RF38
sensors.
Post height 55 cm.



RF02



Recessed safety photocells.
Adjustable orientation.
Power supply 12/24V ac/dc.

Flashing lights

LUCE



Sleek design, LED flashing light.
A wall-mounting support suitable for all installations.
Long life and low consumption (2.5W).
Power supply 24V ac/dc.
Available in amber yellow or anthracite grey look.

Transit detector

RD01



Microwave sensor for vehicle and people detection, suitable
for doors and gates.
Sensitivity and detection direction can be adjusted separately.
Power supply 12-24V dc/ac
2 relay outputs NO/NC - IP67



Safety edges

RC22



Electro-mechanical safety edge.
Rubber profile 25 mm.
Suitable both for garage doors and traffic barriers.
Complete with aluminium support, sensor and wire (2.5 m).
Profile length 2.5 m.

RC23



Resistive mechanical safety edge.
Suitable both for swing and sliding gates.
Resistive 8K2 wired system (fail-safe).
Complete with aluminium support, sensor and wire (2 m).
Rubber profile 60 mm.
Profile length 2 m.

CM24



Sensitive edge with conductive technology suitable for swing and sliding gates.
Certified, impact detection on the whole profile length, 8K2 resistance.
Rubber profile 61 mm width.
Provided with aluminium support.
Profile 1,6 m long (it can be shortened).

CM25



Sensitive edge with conductive technology suitable for swing and sliding gates.
Certified, impact detection on the whole profile length, 8K2 resistance.
Rubber profile 61 mm width.
Provided with aluminium support.
Profile 2 m long (it can be shortened).

CM26



Sensitive edge with conductive technology suitable for swing and sliding gates.
Certified, impact detection on the whole profile length, 8K2 resistance.
Integrated radio transmitter, frequency 868MHZ (to be fitted with CMQ01 receiver).
Nominal range 50 m.
Battery (2 AA lithium, shelf life about 2 years)
Rubber profile 61 mm width.
Provided with aluminium support.
Profile 2 m long (it can be shortened)

CM27



Shock absorber rubber edge, compact design.
Suitable for swing and sliding gates as optional accessory to minimize possible impacts.
Provided with aluminium support.
Profile 2 m long (it can be shortened).

CMQ01



Radio receiver for safety edge, type CM26.
Frequency 868 MHz.
Capacity: 6 radio transmitters
3 relay outputs (2 dry contacts /8K2, 1 relay low battery).



Keypads

RT35



Anti-vandalism stainless steel keypad.
Metal keys.
60 code memory storage.
Output relay 1A and 5A.
Power supply 12/24V ac/dc.

RT36



Polycarbonate keypad.
Permanent back lit keys.
60 code memory storage.
Output relay 1A and 5A.
Power supply 12/24V ac/dc.

RT37



Wireless keypad.
Backlight for easy visibility and sound touch.
IP protection IP65.
Battery powered (batteries included).
Radio frequency 433 MHz.

Key switches

RS15 - 16



RS15
Key switch, 1 micro.
Wall-mounting and/or on metal post.

RS 16
Key switch, 2 micros.
Wall-mounting and/or on metal post.

RS10



Metal coated post.
For RS15 and RS16 key switches
Height 110 cm.

Loop detectors

MG04



Magnetic loop detector.
1 channel.
1 presence relay + 1 pulse relay.
Adjustable sensitivity at 4 different levels.
Max. cable length 250 m.
Power supply 24V ac/dc.

MG05



Magnetic loop detector.
2 channels.
1 presence relay + 1 pulse relay.
Adjustable sensitivity at 4 different levels.
Max. cable length 250 m.
Power supply 24V ac/dc.



TERMS & CONDITIONS

1. PREAMBLE:

1.1 The present General Conditions of Sale, 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.

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 became 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 EU 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 excluded 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 2020 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 loose 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'S 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 general sale conditions, by Italian law.

10. DISPUTES RESOLUTION:

10.1 For any disputes arising out of or in connection with this contract the courts of Asti (AT), Italy, shall have exclusive jurisdiction.

www.proteco.net

MADE TO *cast*

www.proteco.net



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