



MADE TO *last*

Complete solutions to automate your home

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

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.





We don't just
sell automatic gates.
We build lasting relationships.

**Every dealer and installer is an essential
part of our corporate network.**

They share with us not only common goals, but also values, vision, and uncompromising quality standards. We believe that the success of every project depends on the strength of the team behind it. For this reason, we rely on a solid network of partners we know, trust, and have worked with for many years. It's more than a family – it's a partnership we have consciously chosen.



Proteco's people

Reliability is not just a matter of technical performance on its own, it is more than that, it is a solid trusty relationship between those who have a need and those who meet it.

Between those who sell a product and those who choose it.
That is why we have always chosen to be on the front line.
You will not find any unpersonal call center, nor faceless intermediaries.
Those who work with Proteco meet real, present, and trustworthy people.

We are also convinced that the value of a relationship grows over time.
That's why, over the years, we have focused on building a talented team. Because every customer, every installer, and every partner deserves the opportunity to build a relationship based on trust.



Automation
is a matter of precision
and expertise,

but also of continuity, listening, and presence.

For us, this presence is not a formality – it is an integral part of the service we provide. It is what turns every interaction into something more than a simple transaction. This is how, every day, we choose to make a difference. And how we do make a difference.



Simple and user-friendly

Products designed to adapt the way people use them.

Every system is developed with a clear goal: to reduce installation time, simplify configuration, and ensure long-term efficiency.

It means designing automations that are easy to program, because we know that every minute saved on site matters. It means developing modular systems that can adapt to the space and the specific requirements of each installation.

Every context is different. Every gate, every system, every need requires a solution that adapts and fits.



Always close to **YOU**

Proteco is above all a small, big family. It is a matter of fact that all our products come from our customers' direct experience.

At Proteco's, post-sale service, technical assistance, co-operation and teamwork is what makes us different. That's why we have created a devoted support phone line along with a network of qualified skilled installers who regularly train at the company.



SWING gates Selection guide



|12 - 13|

Rhino ————— leaf up to 3,00 mt —— 24V —— mechanical ————— **Rhino 24**
 Rhino ————— leaf up to 3,50 mt —— 115V, 230V —— mechanical ————— **Rhino**



|14 - 15|

Rhino XL ————— leaf up to 5,00 mt —— 24V ————— **Rhino XL 24**
 Rhino XL ————— leaf up to 5,00 mt —— 115V, 230V ————— **Rhino XL**



|16 - 17|

Leader TI ————— leaf up to 2,00 mt —— 24V ————— **Leader 3 24 TI**
 Leader TI ————— leaf up to 2,50 mt —— 24V ————— **Leader 3 TI**
 Leader TI ————— leaf up to 2,80 mt —— 115V, 230V ————— **Leader 4 24 TI**
 Leader TI ————— leaf up to 3,00 mt —— 24V ————— **Leader 4 TI**
 Leader TI ————— leaf up to 3,50 mt —— 24V ————— **Leader 5 24 TI**
 Leader TI ————— leaf up to 3,50 mt —— 115V, 230V ————— **Leader 5 TI**



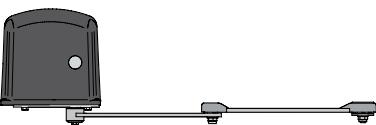
|18 - 19|

Leader TA ————— leaf up to 2,50 mt —— 24V ————— **Leader 4 24 TA**
 Leader TA ————— leaf up to 2,80 mt —— 115V, 230V ————— mechanical ————— **Leader 4 24 TA FM**
 Leader TA ————— leaf up to 2,80 mt —— 115V, 230V ————— mechanical ————— **Leader 4 TA**
 Leader TA ————— leaf up to 2,80 mt —— 115V, 230V ————— mechanical ————— **Leader 4 TA FM**



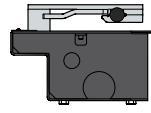
|20 - 21|

Aster ————— leaf up to 2,00 mt —— 24V ————— **Aster 3 24**
 Aster ————— leaf up to 2,00 mt —— 115V, 230V ————— **Aster 3**
 Aster ————— leaf up to 2,00 mt —— 230V ————— 900 rpm ————— **Aster 3 900 Rpm**
 Aster ————— leaf up to 2,00 mt —— 230V ————— 900 rpm ————— Reversible ————— **Aster 3 Rev.**
 Aster ————— leaf up to 2,50 mt —— 24V ————— **Aster 4 24**
 Aster ————— leaf up to 2,50 mt —— 115V, 230V ————— **Aster 4**
 Aster ————— leaf up to 2,80 mt —— 24V ————— **Aster 4 900 Rpm**
 Aster ————— leaf up to 2,80 mt —— 115V, 230V ————— **Aster 4 Rev.**
 Aster ————— leaf up to 3,00 mt —— 24V ————— **Aster 5 24**
 Aster ————— leaf up to 3,00 mt —— 115V, 230V ————— **Aster 5**
 Aster ————— leaf up to 3,50 mt —— 24V ————— **Aster 6**
 Aster ————— leaf up to 3,50 mt —— 115V, 230V ————— **Aster 6**
 Aster ————— leaf up to 4,00 mt —— 230V ————— **Aster 6**



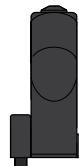
|22 - 23|

Advantage ————— leaf up to 2,00 mt —— 24V ————— **Advantage 24**
 Advantage ————— leaf up to 2,00 mt —— 230V ————— **Advantage**



|24 - 25|

Shark ————— leaf up to 2,50 mt —— 24V ————— **Shark 24**
 Shark ————— leaf up to 3,00 mt —— 230V ————— **Shark**



|26 - 27|

Wheeler ————— leaf up to 150 Kg —— 24V ————— locked ————— **Wheeler 24 B**
 Wheeler ————— leaf up to 150 Kg —— 230V ————— locked ————— **Wheeler 230 B**
 Wheeler ————— leaf up to 150 Kg —— 230V ————— reversible ————— **Wheeler 230 R**
 Wheeler ————— leaf up to 150 Kg —— 115V ————— locked ————— **Wheeler 115 B**

Rhino

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

230V - 115V - 24V

Electromechanical locked swing gate 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 leaf stops 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
Set of motors
including fittings



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

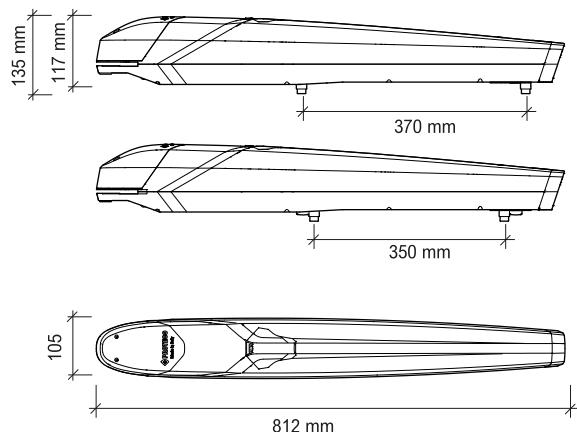


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

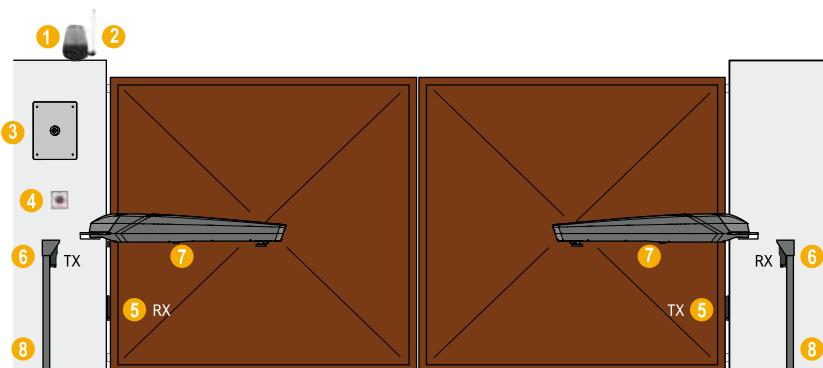
TECHNICAL FEATURES

	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_Standalone antenna 3_Control board 4_Key switch
 5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad
with tag reader



RT42
Polycarbonate keypad,
backlit keys



RT37

Wireless keypad



RT17
Electric-lock 12V 15W,
ground installation



MEL04
Optional card for
electric-lock



Rhino XL



Telescopic linear actuator for swing gates with leaves up to 5 m

230V - 115V - 24V

Designed for residential, multi-unit, and commercial use, RHINO XL is the ultimate solution for automating even the heaviest gates—up to 5 meters wide.

The solid one-piece die-cast aluminum body delivers strength and long-lasting reliability.

Its innovative telescopic movement ensures maximum adaptability in any installation setting, with fewer fixing constraints and a wide opening angle of up to 120°.

Extremely versatile, RHINO XL is also perfect for deep pillars and can be installed on gates with hinge-to-edge distances of up to 20 cm.

The robust release system is conveniently located at the top of the motor, operated with a hex key and protected by a self-closing cover for maximum safety.

Pre-wired capacitor on board the motor and a terminal block for power cable connections.

Multi-position mounting brackets included.

Available in both 230V and 24V versions, RHINO XL is ideal for continuous, heavy-duty use in residential complexes.

And with the 24V version, you can connect a backup battery system to keep your automation running even in the event of a power outage.

THE RANGE

	Power supply	Leaf		
RHINO XL	230V-115V 24V	locked	5,0 m 5,0 m	450 Kg 400 Kg
RHINO XL 24		locked		



KIT CONTENT

RHINO XL
Set of motors including fittings



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

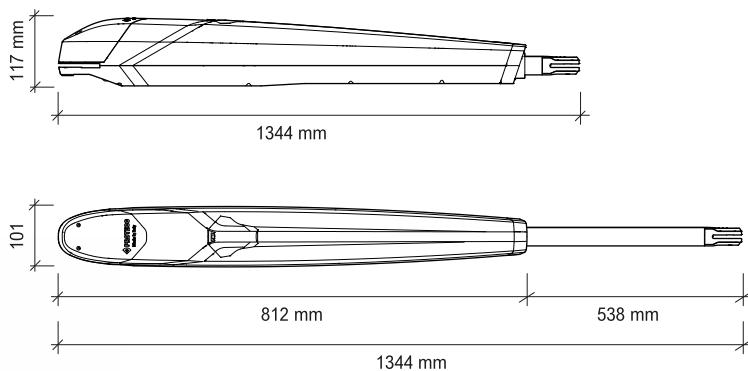


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

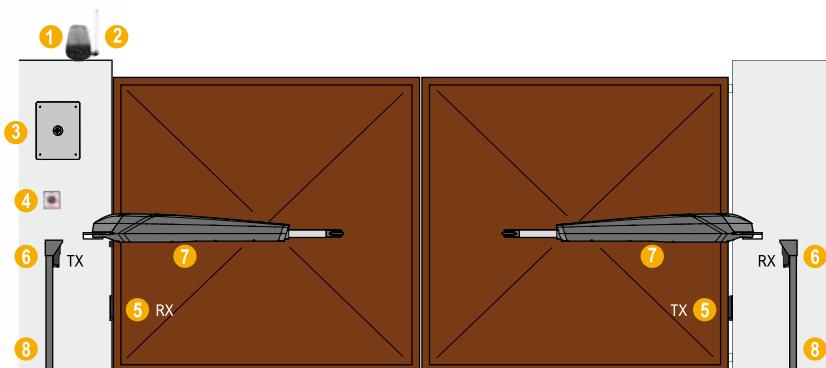
TECHNICAL FEATURES

	RHINO XL	RHINO XL 115V	RHINO XL 24V
Power supply	230V ~ 50Hz	115V ~ 60Hz	24V dc
Current	1,0 - 1.7A	3.1 - 3.3A	08 - 8A
Motor power	300 W	300 W	80 W
Thermic protection	150°C	150°C	—
Max thrust	3800 N	3800 N	3200 N
IP class protection	44	44	44
Revolution speed	1400 rpm	1700 rpm	1600 rpm
Max opening angle	26"	22"	24" - 28"
Max leaf weight	450 Kg	450 kg	400 kg
Max leaf length	5 m	5 m	5 m
Duty cycle	40%	40%	80%
Cycles per hour	18	18	32

DIMENSIONS



INSTALLATION MAP



1_Flashing light 2_Stand-alone antenna 3_Control board 4_Key switch
5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad
with tag reader



RT42
Polycarbonate
keypad, backlit keys



RT37
Wireless keypad



RT17
Electric-lock 12V 15W,
ground installation



MEL04
Optional card for
electric-lock



FM01
Mechanical fit-on
limit switch



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 sleek 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
Set of motors including fittings



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

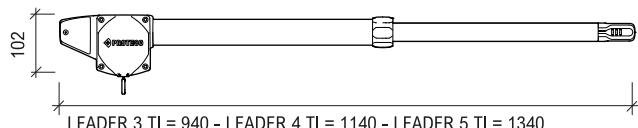
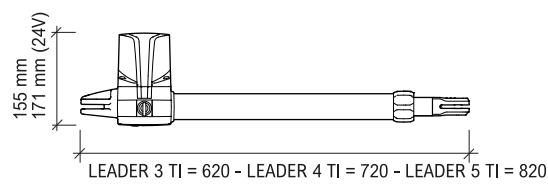


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

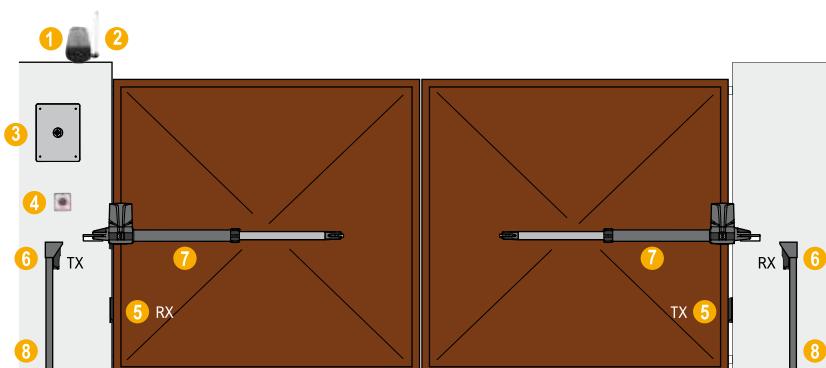
TECHNICAL FEATURES

	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_Standalone antenna 3_Control board 4_Key switch
5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad
with tag reader



RT42
Polycarbonate
keypad, backlit keys



RT37
Wireless keypad



RT17
Electric-lock 12V 15W,
ground installation



MELO4
Optional card for
electric-lock



FM01
Mechanical fit-on
limit switch



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 sleek 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
Set of motors
including fittings



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

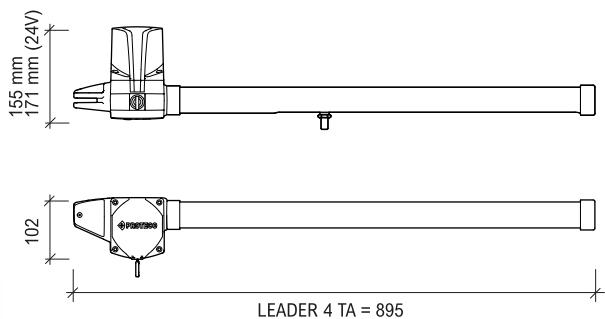


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

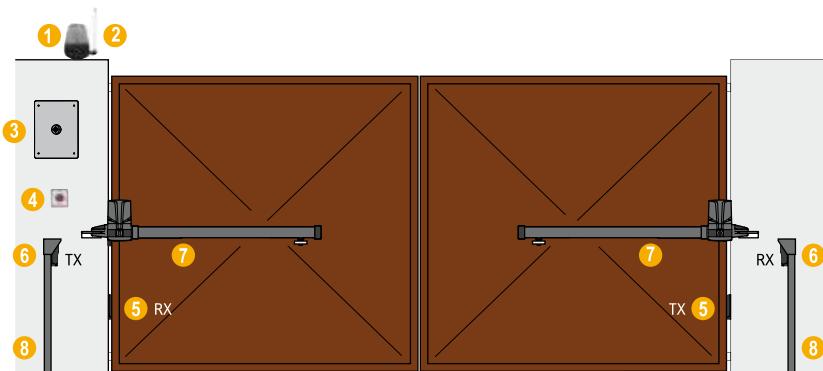
TECHNICAL FEATURES

	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 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	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_Standalone antenna 3_Control board 4_Key switch
5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad
with tag reader



RT42
Polycarbonate keypad,
backlit keys



RT37
Wireless keypad



RT17
Electric-lock 12V 15W,
ground installation



MEL04
Optional card 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
Set of motors
including fittings



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

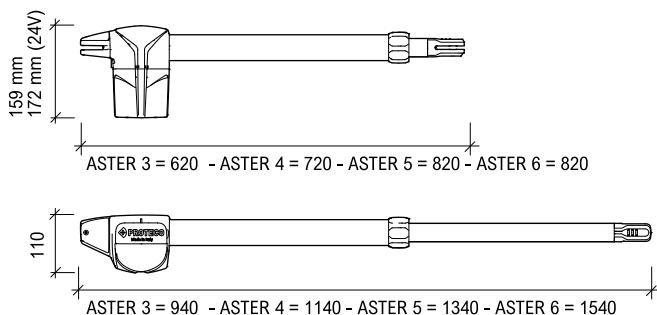


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

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
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	2.8 m	2 m	2.8 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_Standalone antenna 3_Control board 4_Key switch
5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES

	RS15 Key switch		RT40 Vandal-proof keypad with tag reader		RT42 Polycarbonate keypad, backlit keys		RT37 Wireless keypad		RT17 Electric-lock 12V 15W, ground installation		MEL04 Optional card for electric-lock		FM01 Mechanical fit-on limit switch
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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

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



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls

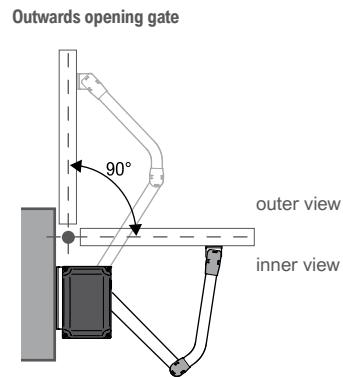


ANT02
Stand-alone antenna

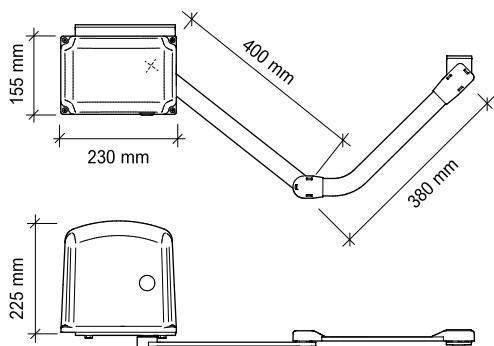
TECHNICAL FEATURES

	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 μ F	—
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%

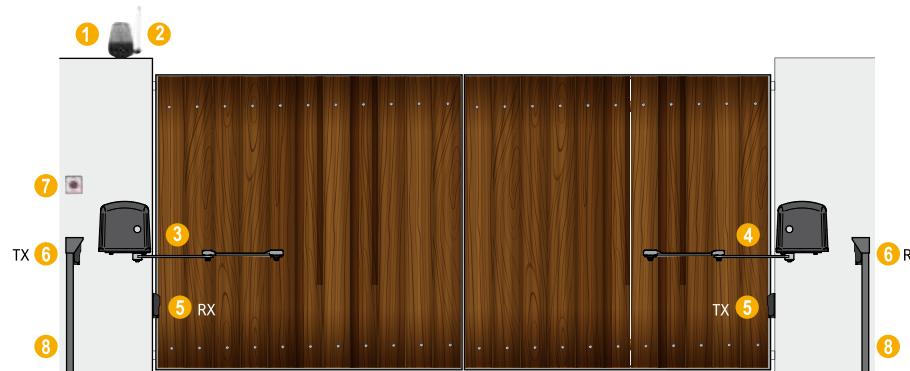
MOTOR POSITION



DIMENSIONS

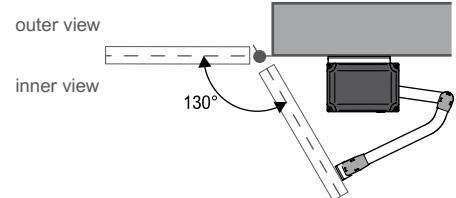
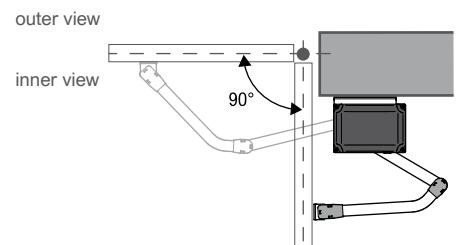


INSTALLATION MAP



1_Flashing light 2_Standalone antenna 3_Control board 4_Key switch
5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts

Inwards opening gate



OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad
with tag reader



RT42
Polycarbonate keypad,
backlit keys



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

Set of motors complete including foundation box A001 (cataphoresis treatment)



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

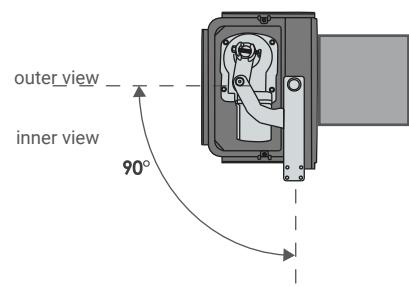


Q80A/Q20A
Control board integrated
with plug-in radio receiver
433.92 MHz

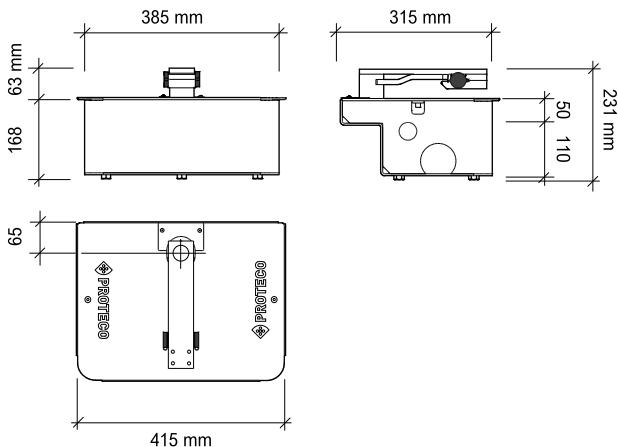
TECHNICAL FEATURES

	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 μ F	—
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%

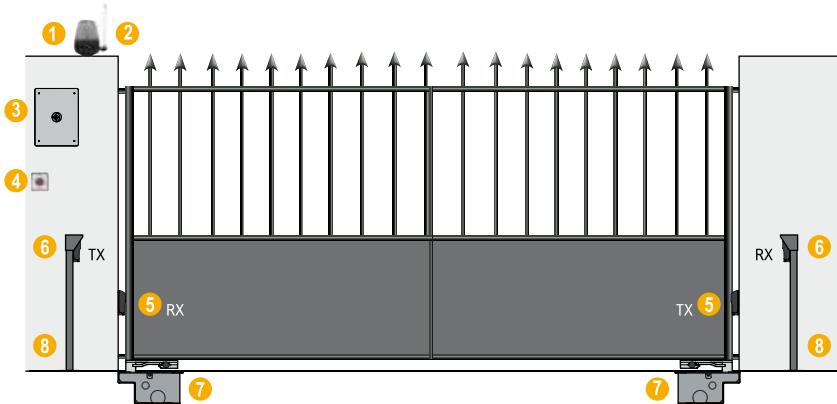
MOTOR POSITION



DIMENSIONS



INSTALLATION MAP



1_Flashing light 2_Standalone antenna 3_Control board 4_Key switch
5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad with tag reader



RT42
Polycarbonate keypad, backlit keys



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 matter 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

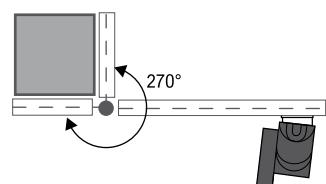
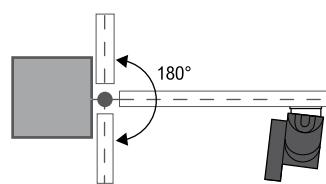
KIT CONTENT

WHEELER Set of motors		LUCE LED 24V flashing light	ANT02 Stand-alone antenna	RT17 Electric-lock 12V 15W, ground installation	RF40 Photocell	IKON Set 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
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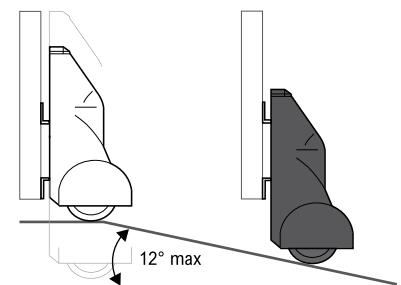
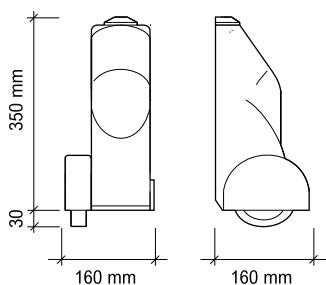
TECHNICAL FEATURES

	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 μ F	8 μ F	30 μ F	—
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°

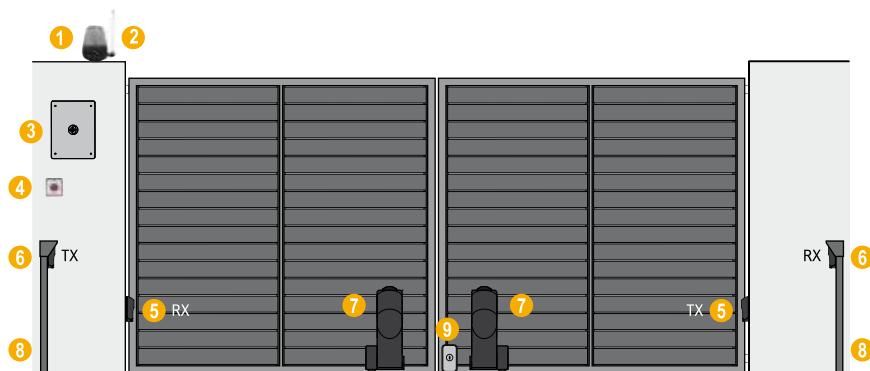
MOTOR POSITION



DIMENSIONS



INSTALLATION MAP



1_Flashing light 2_Standalone antenna 3_Control board 4_Key switch
 5_Closing photocell 6_Opening photocell 7_Swing operators 8_Photocell posts 9_Ground electric lock

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad
with tag reader

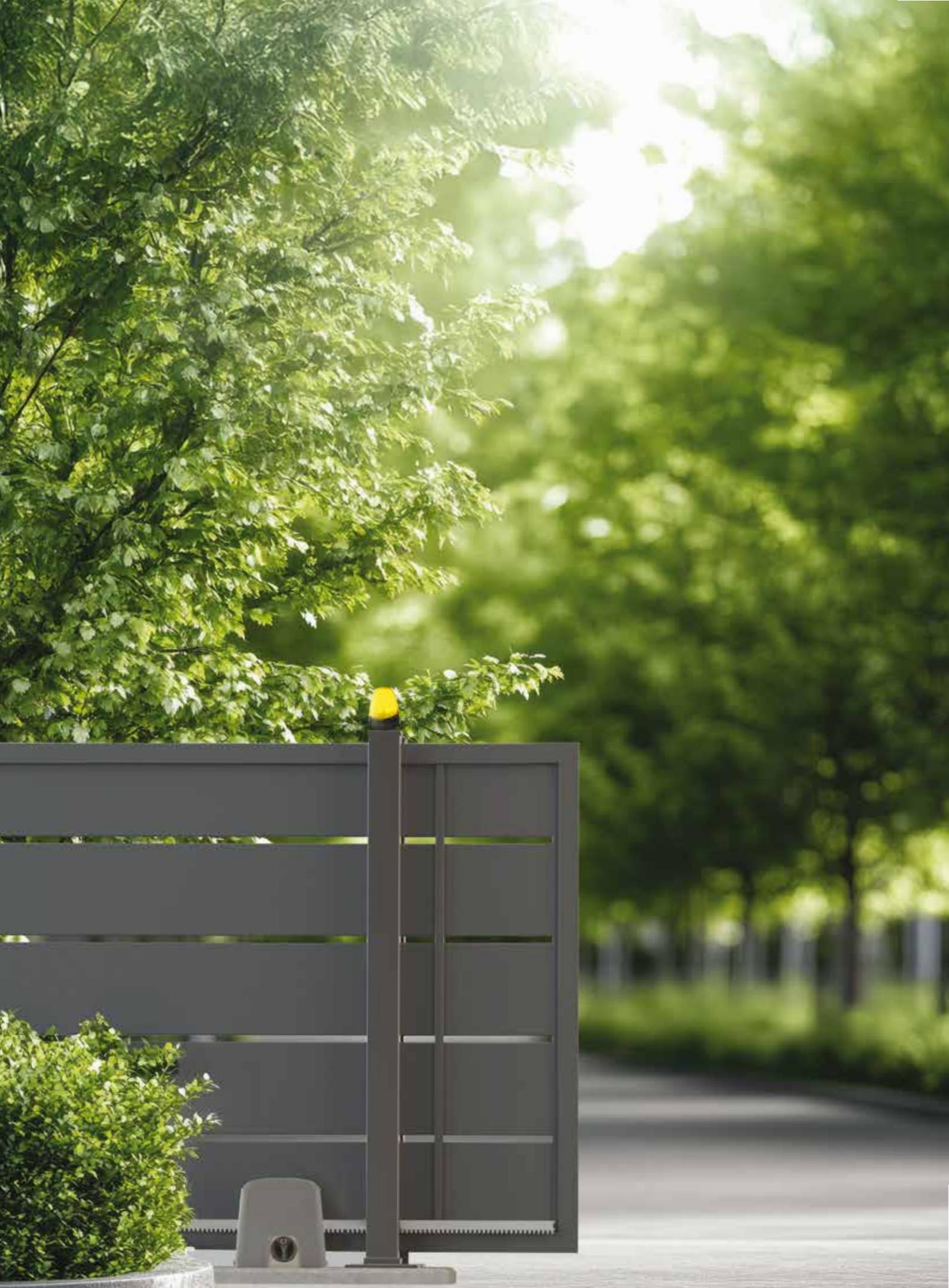


RT42
Polycarbonate keypad,
backlit keys

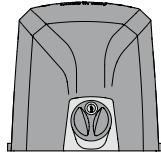
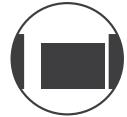


RT37
Wireless keypad





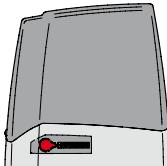
SLIDING gates Selection guide



|30 - 31|

Mike

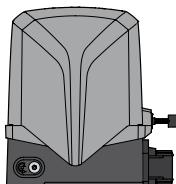
- 400 Kg — 24V — mechanical — Mike
- 400 Kg — 24V — magnetic — Mike MAG



|32 - 33|

Meko

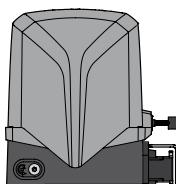
- 500 Kg — 230V, 115V — mechanical — Meko 5
- 600 Kg — 24V — mechanical — Meko 6
- 800 Kg — 230V, 115V — mechanical — Meko 8



|34 - 35|

Mover

- 500 Kg — 230V, 115V — mechanical — Mover 5
- 500 Kg — 230V, 115V — magnetic — Mover MAG 5
- 650 Kg — 24V — mechanical — Mover 6
- 800 Kg — 230V, 115V — mechanical — Mover 8
- 800 Kg — 230V, 115V — magnetic — Mover MAG 8
- 1500 Kg — 230V, 115V — mechanical — Mover 15
- 1500 Kg — 230V, 115V — magnetic — Mover MAG 15



|36 - 37|

Cat

- 500 Kg — 230V, 115V — mechanical — Cat 5
- 800 Kg — 230V, 115V — mechanical — Cat 8



|38 - 39|

BRUSHLESS (R)EVOLUTION

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

Mike



Rack-driven motor 24V for sliding gates up to 400Kg.

24V

Rack-driven gear motor for high-frequency use sliding gates designed for residential and apartment block settings.

Raised anchor plate including fixing screws ensures maximum versatility for height and horizontal adjustments.

Easy and robust release protected by a key lock.

Electronic control unit with integrated radio receiver, on-board programming display featuring obstacle detection and anti-crushing function, protected by a transparent box that allows easy-opening.

Programmable inputs for resistive safety edges (8k2Ω).

The back-up battery kit available as optional grants continuous operation during power shortages.

The battery charging circuit is integrated into the control unit.

MIKE is available with mechanical or magnetic limit switches to face any climate or installation condition.



THE RANGE

	Power supply		Limit switch	Leaf
MIKE	24V	rack	mechanical	400 Kg
MIKE MAG	24V	rack	magnetic	400 Kg

KIT CONTENT

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



LUCE
LED 24V
flashing light



RF40
Photocell



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

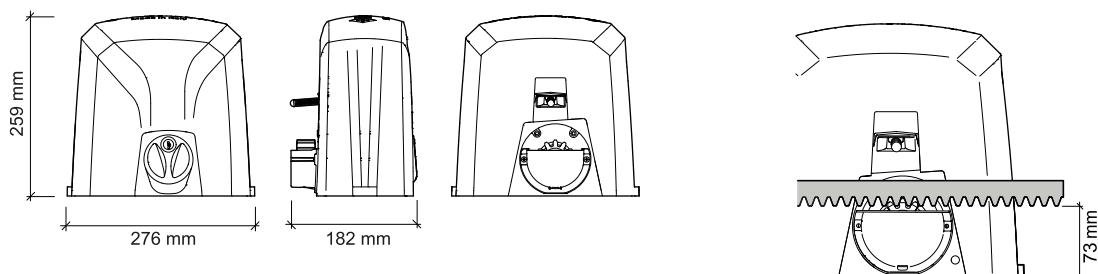


B120
4 m PVC rack

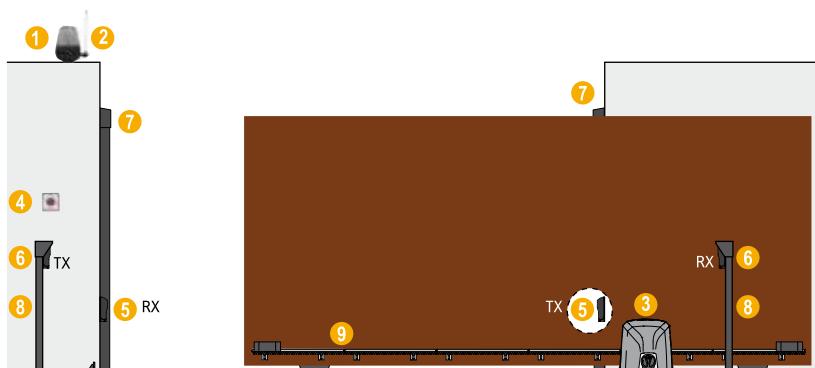
TECHNICAL FEATURES

MIKE	
Power supply	24V dc
Absorption	1.2 ÷ 7A
Rated power	70 W
Maximum thrust	420 N
IP protection	44
Max revolutions	2800 rpm
Opening speed	8 ÷ 10,5 m/min
Gate max. weight	400 Kg
Working frequency	50%

DIMENSIONS



INSTALLATION MAP



1_Flashing light 2_Stand-alone antenna 3_Gear motor complete with control board and radio receiver
 4_Key switch 5_Closing photocell 6_Opening photocell 7_Safety strip 8_Photo cell posts 9_Rack

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad with tag reader



RT42
Polycarbonate keypad, backlit keys



RT37
Wireless keypad



CM24 - CM25
Certified resistive safety edge



Q BAT 1.2
Battery
12V 1.2Ah



KBT001
Wiring kit for
24V batteries



B102
Galvanized metal rack
12x30x1000 mm



B114
Nylon coated rack
inner metal core - M4
20X26 mm

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



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

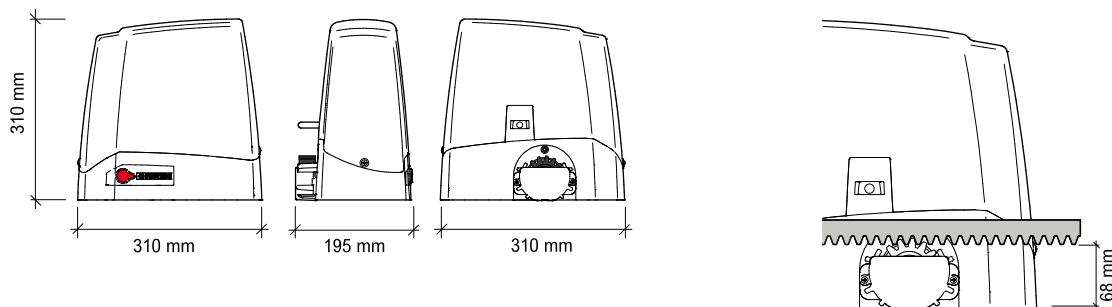


B120
4 m PVC rack

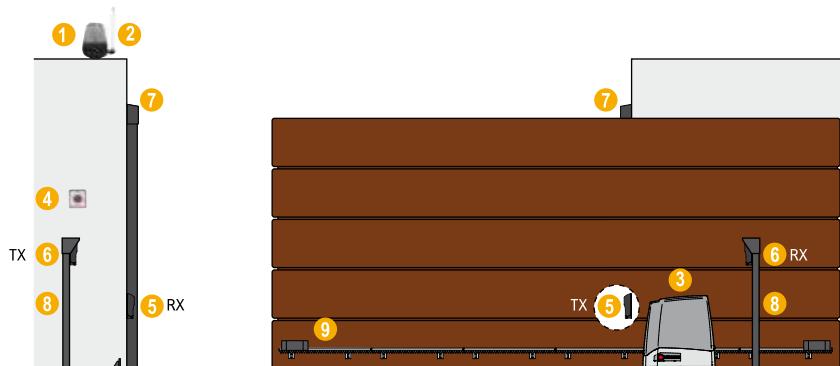
TECHNICAL FEATURES

	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 μ F	-	10 μ F	30 μ F	30 μ F
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

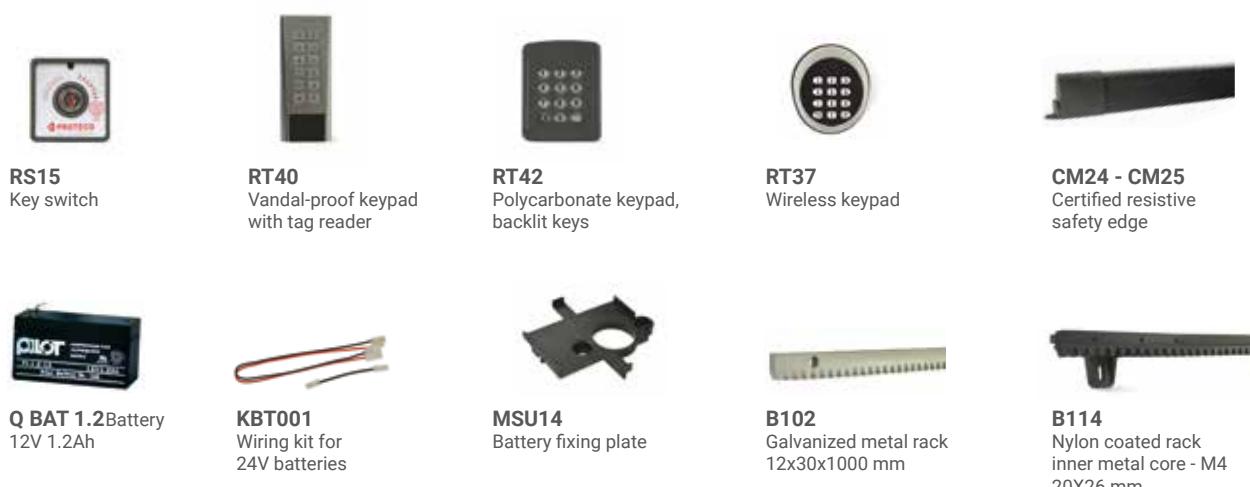


INSTALLATION MAP



1_Flashing light 2_Stand-alone antenna 3_Gear motor complete with control board and radio receiver
4_Key switch 5_Closing photocell 6_Opening photocell 7_Safety strip 8_Photo cell posts 9_Rack

OPTIONAL ACCESSORIES



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



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

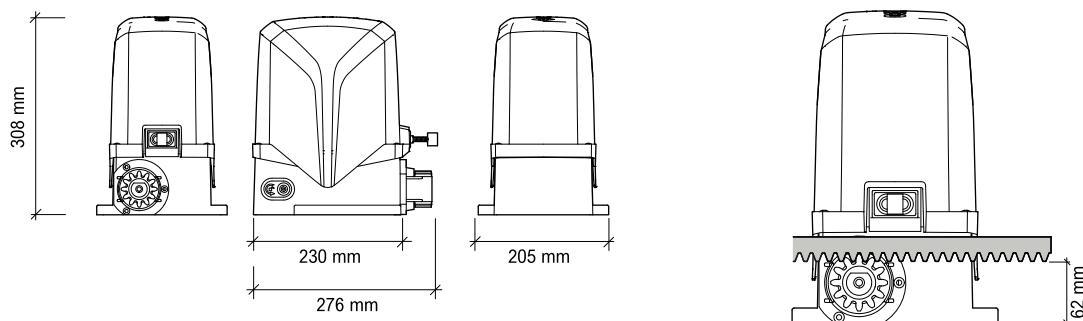


B120
4 m PVC rack

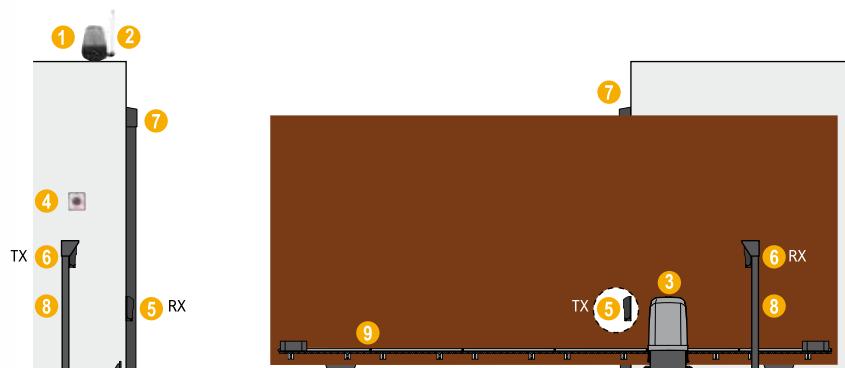
TECHNICAL FEATURES

	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 μ F	-	10 μ F	20 μ F	30 μ F	30 μ F	60 μ F
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_Stand-alone antenna 3_Gear motor complete with control board and radio receiver
4_Key switch 5_Closing photocell 6_Opening photocell 7_Safety strip 8_Photocecell posts 9_Rack

OPTIONAL ACCESSORIES

RS15 Key switch	RT40 Vandal-proof keypad with tag reader	RT42 Polycarbonate keypad, backlit keys	RT37 Wireless keypad	CM24 - CM25 Certified resistive safety edge
Q BAT 1.2Ah 12V 1.2Ah	KBT001 Wiring kit for 24V batteries	MPIQ03 Fixing bracket for batteries	B114 Nylon coated rack inner metal core - M4 20X26 mm	B102 Galvanized metal rack 12x30x1000 mm

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



IKON
Set of 4-ch
remote controls



ANT02
Stand-alone antenna

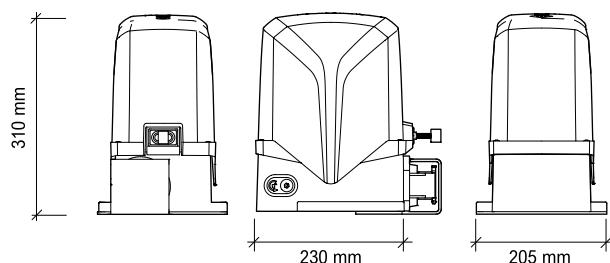


C102
3/8" chain - 5 m

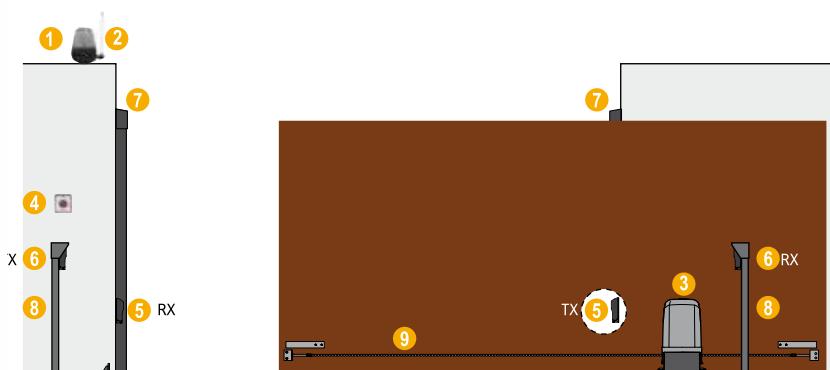
TECHNICAL FEATURES

	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_Stand-alone antenna 3_Gear motor complete with control board and radio receiver
 4_Key switch 5_Closing photocell 6_Opening photocell 7_Safety strip 8_Photo cell posts 9_Chain

OPTIONAL ACCESSORIES



RS15
Key switch



RT40
Vandal-proof keypad
with tag reader



RT42
Polycarbonate keypad,
backlit keys



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 2,500 Kg and high-speed version for gates up to 1,800 Kg.

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.

Twining 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



PPIS0690
Ground plate and fittings

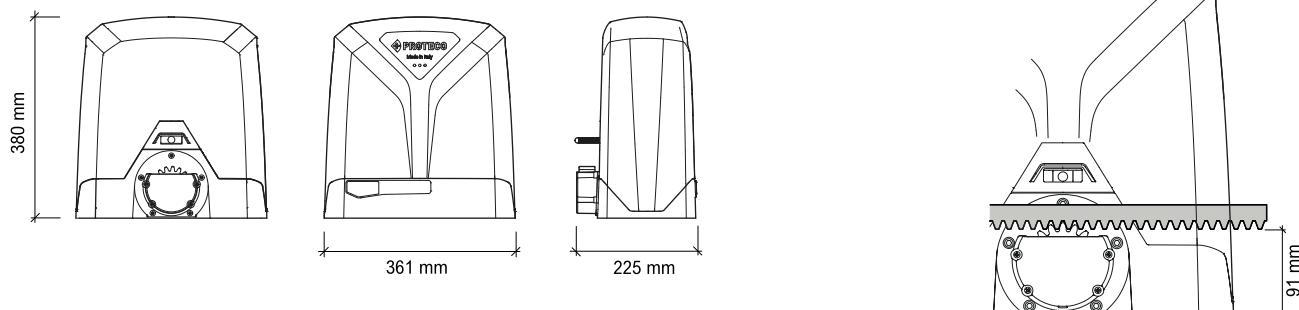


Q90SA/Q90SH
Control board integrated
with plug-in radio receiver
433.92 MHz

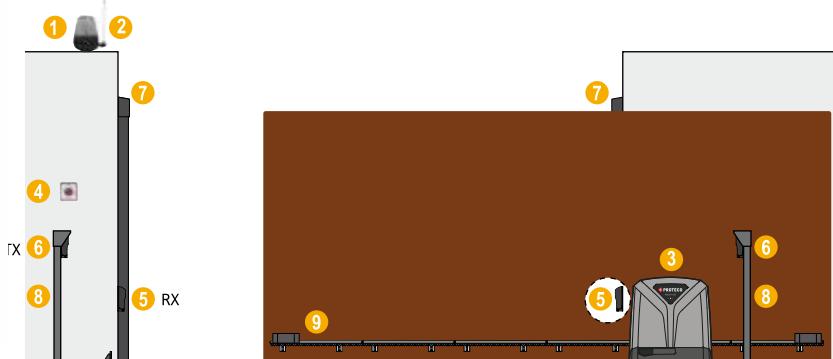
TECHNICAL FEATURES

	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 A
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 μ F	30 μ F	—	—
Standard capacitor	25 μ F	20 μ F	—	—
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



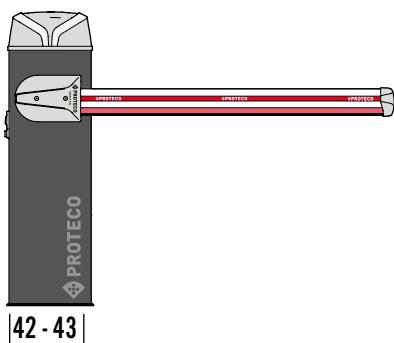
1_Flashing light 2_Stand-alone antenna 3_Gear motor complete with control board and radio receiver
4_Key switch 5_Closing photocell 6_Opening photocell 7_Safety strip 8_Photoceill posts 9_Rack

OPTIONAL ACCESSORIES

	B102 Galvanized metal rack 12x30x1000 mm		LUCE LED 24V flashing light		RF40 Photocell		IKON 4-ch remote control		ANT02 Stand-alone antenna		RS15 Key switch
	CM24 - CM25 Certified resistive safety edge		Q BAT 3.2 Battery 12V 3.2Ah.		KBT003 Battery charger for Matrix brushless systems		RT40 Vandal-proof keypad with tag reader		RT42 Polycarbonate keypad, backlit keys		RT37 Wireless keypad



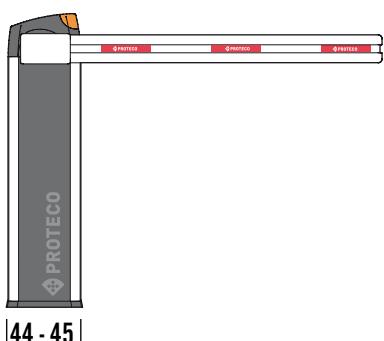




42 - 43

S-Park

24V — Entryways 4 m —— intensive use — **S-Park 4**
24V — Entryways 6 m —— intensive use — **S-Park 6**



44 - 45

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

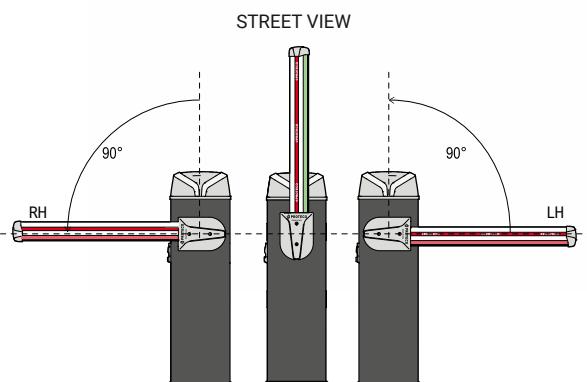
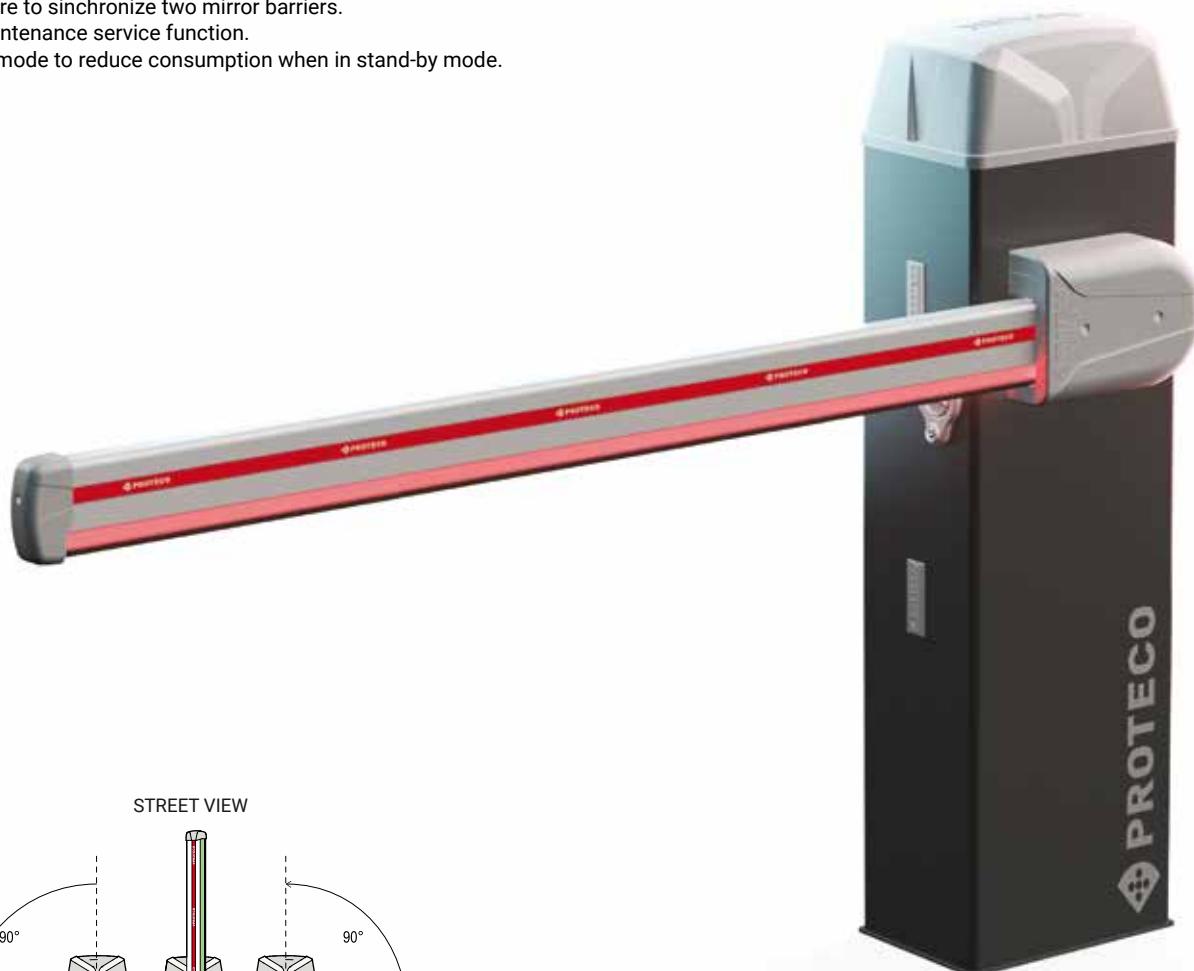
Powder coated inox cabinet, fitted with pre-drilled housing for sensors.
Adjustable mechanical limit switches.
LED luminous signaling on the barrier cabinet.
Shock-proof rubber boom, can be integrated with red/green LED strips
(optional).
Right and left hand installation.
Release system for easy manual 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 mode.

THE RANGE

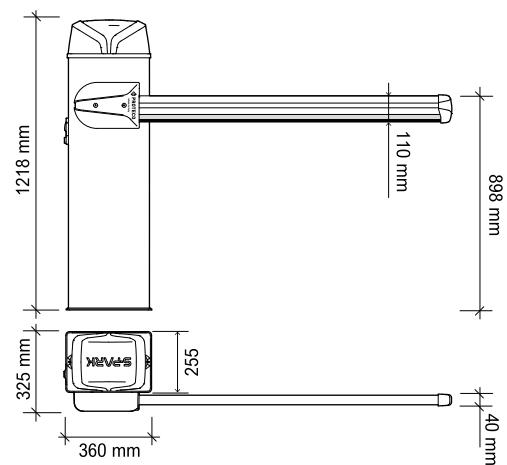
	Power supply	Entryway	Use	Opening time
S-PARK 4	24V	intensive	from to 4 m	2.5" ÷ 4"
S-PARK 6	24V	intensive	from to 6 m	4.5" ÷ 6"



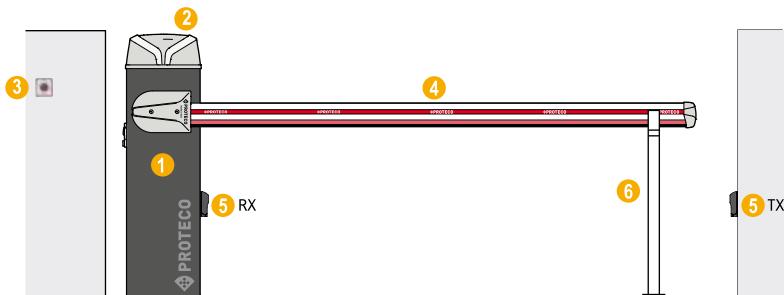
TECHNICAL FEATURES

S-PARK 4 from 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%	80%
(max cycles/hour 200)	(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_Closing photocells 6_Fork rest

OPTIONAL ACCESSORIES



PSPAM01
Moving support



PSPAFO1
Fork rest



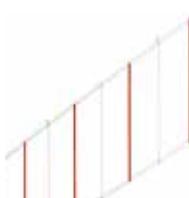
Shock-proof rubber 4 m boom
Shock-proof rubber 6 m boom



PSPCAR08
Fixing plate



PSPTA01
Boom - reflective
stickers set (20 pieces)



PSPGA01
Hanging rack



PSPSN01
Kit for articulated
boom mounting



RF40
Photocell 12-24V



IKON
4-ch remote
control



PSPLA4 - PSPLA6
Boom - Led Strip 4 m
Boom - Led Strip 6 m



MG04
1-ch loop detector



MG05
2-ch loop detector



KBT002
2 back-up battery set
1,2Ah Q90BD pcb



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.

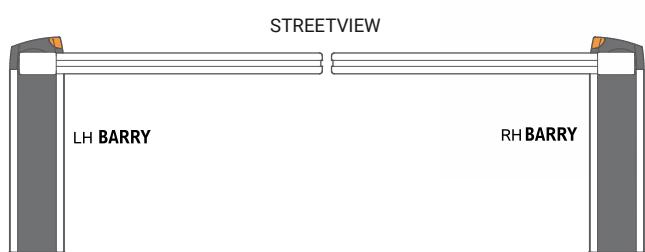
Automatic or step by step closing.

Trimmers regulation for torque and closing time settings.

Fault diagnostic by LED signaling.

THE RANGE

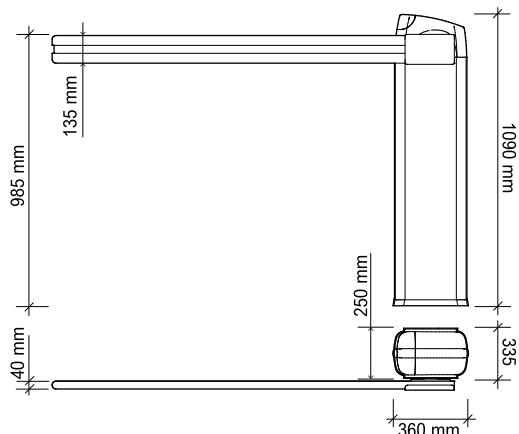
	Power supply	Driveway	Installation	Opening time
BARRY dx	230V	6"	RH	3,6 - 6 m
BARRY sx	230V	6"	LH	3,6 - 6 m
BARRY DC dx	24V	6"	RH	3,6 - 6 m
BARRY DC sx	24V	6"	LH	3,6 - 6 m



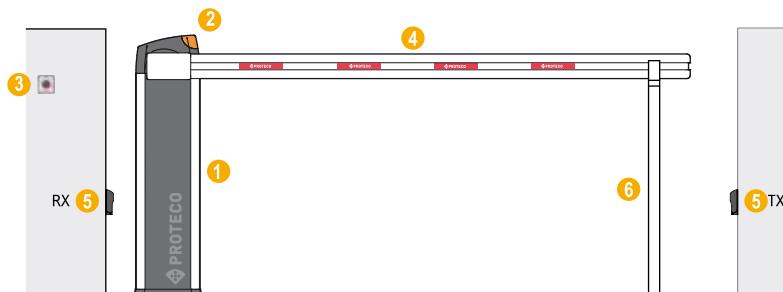
TECHNICAL FEATURES

	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_Closing photocell 6_Fixed support

ACCESSORIES INCLUDED



PBRATO
Telescopic boom 3.6+2.7 m for BARRY



Fittings

OPTIONAL ACCESSORIES



PBRG105
Fork rest



PBRAM02
Moving support



RF12
Metal post for
RF40



IKON
4-ch remote control



RF40
Photocells 12-24V



MG04
1-ch loop detector



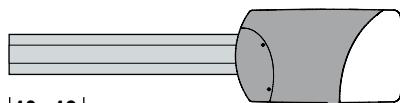
RG05
2-ch loop detector







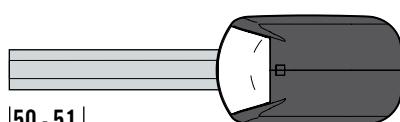
Selection guide



|48 - 49|

Libra

- Load up to 60 Kg ————— **Libra**
- Load up to 100 Kg ————— **Libra PLUS**

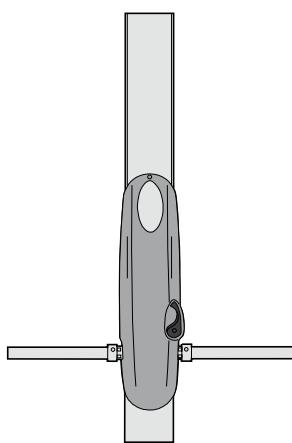


|50 - 51|

Dolly

- Load up to 100 Kg ————— **Dolly 600**
- Load up to 140 Kg ————— **Dolly 1000**
- Load up to 160 Kg ————— **Dolly 1200**

|52 - 53|



Balance

Door width up to 10 m²

Libra

Garage system solution
for SECTIONAL doors,
up to 12 m².

24V

User-friendly display and programming keys for easier startup and diagnoses.

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

Encoder system to ensure higher safety and reliability.

Automatically tests photocells during installation.

Dead man feature, allows to open the door in presence by remote control

in case of faulty photocell operation.

Safety stop contact allows the management of a pedestrian door.

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

Chain drive rack, pull-cord to unlock the door's handle.

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



THE RANGE

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

KIT CONTENT



Garage door operator
with control board
and radio receiver
433.92 MHz



IKON
4-ch remote control

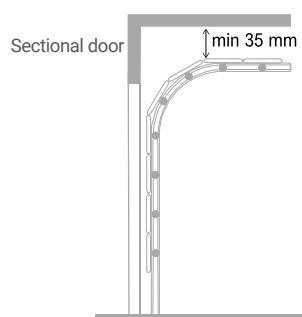


Chain rail 3 m / 3,3 m

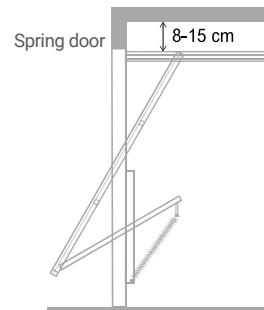
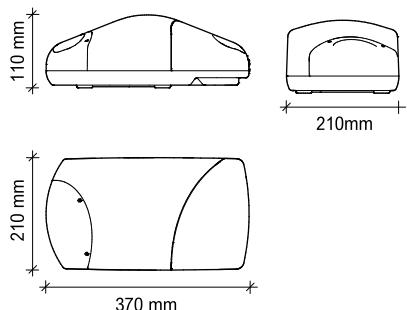
TECHNICAL FEATURES

LIBRA	LIBRA Plus
Motor power supply 24V dc	24V dc
Stand-by consumption 0,5 W - when OFF = \leq 5 W	0,5 W - when OFF = \leq 9 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

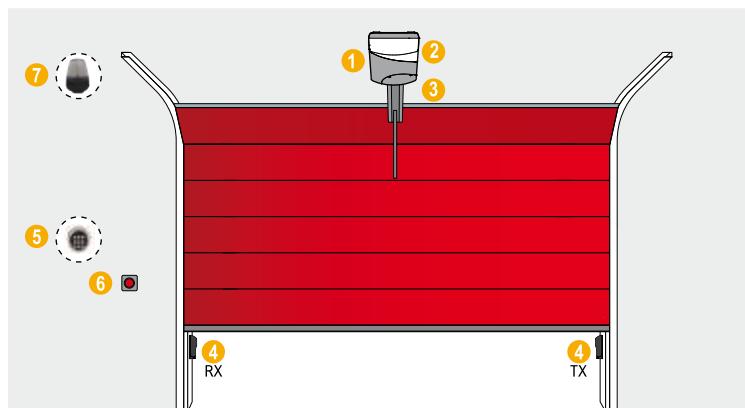
DOOR TYPE



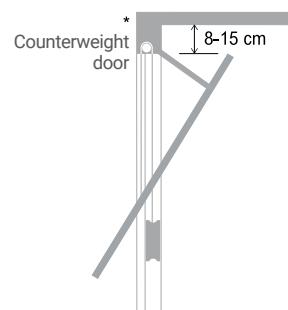
DIMENSIONS



INSTALLATION MAP



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



* just if installed with the according adapter arm PARC02

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 12-24V



RT37
Wireless keypad



RS15
Key switch



Dolly

Automation for garage doors
up to 16 m² for residential
and industrial use

24V

Proteco introduces DOLLY, the brand new generation of garage door systems.

Steel rail, pre-assembled in two pieces, belt-driven transmission for smooth and silent operation.

24Vdc motor suitable for semi-intensive and intensive use.

Extremely compact design with only 13-cm clearance from the ceiling perfect to any installation context.

Integrated programming-friendly display for easier adjustment.

Dual encoder technology, integrated low-consumption LED courtesy light and radio receiver with storage up to 40 different user codes.

Compartment for plug-and-play back-up battery connection to grant continuous operation even in the event of power cut.

DOLLY is available in 3 different versions according to the size of the door and use.



THE RANGE

	Power supply	Force	Rail	Max. load
DOLLY 600	24V	600 N	3,0 m	100 Kg
DOLLY 1000	24V	1000 N	3,2 m	140 Kg
DOLLY 1200	24V	1200 N	3,5 m	160 Kg

KIT CONTENT



Garage door system including control board and radio receiver 433.92 MHz



IKON
4-ch
remote control

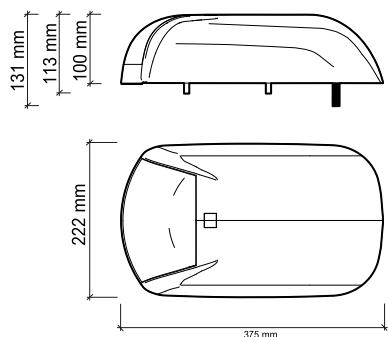


MDLR01 Rail L=3000
MDLR02 Rail L=3200
MDLR03 Rail L=3500

TECHNICAL FEATURES

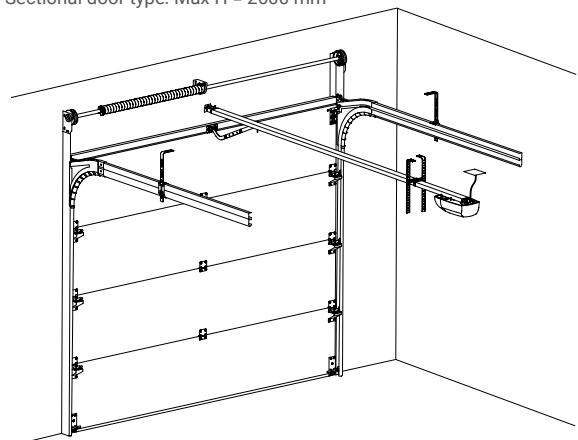
	DOLLY 600	DOLLY 1000	DOLLY 1200
Power supply	230V-50/60Hz	230V-50/60 Hz	230V-50/60Hz
Motor voltage	24V dc	24V dc	24V dc
Maximum power	200 W	245W	260W
Maximum traction force	600 N	1000 N	1200 N
Rated force	300 N	400 N	450 N
Maximum door area	10 m ²	14 m ²	16 m ²
Maximum door weight	100 kg	140 kg	160 kg
Maximum continuous operating time	4 min ON 36 min OFF	4 min ON 36 min OFF	4 min ON 36 min OFF
Cycles/hour (max)	20	15	13
IP protection rating	20	20	20
Working temperature	-20°C ÷ + 40°C	-20°C ÷ + 40°C	-20°C ÷ + 40°C
Radio frequency	433,92 MHz	433,92 MHz	433,92 MHz
Radio code storage	40	40	40
Relative humidity rate	<90%	<90%	<90%

DIMENSIONS

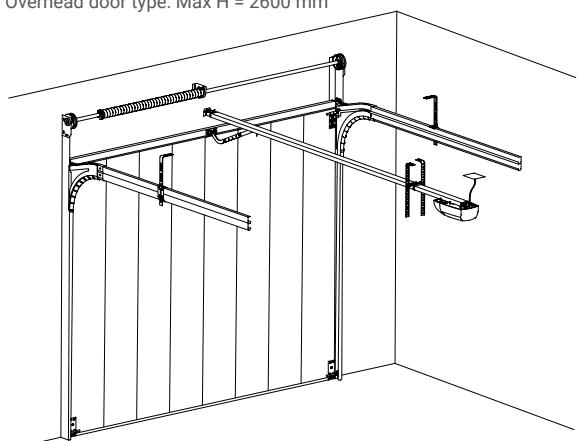


DOOR TYPE

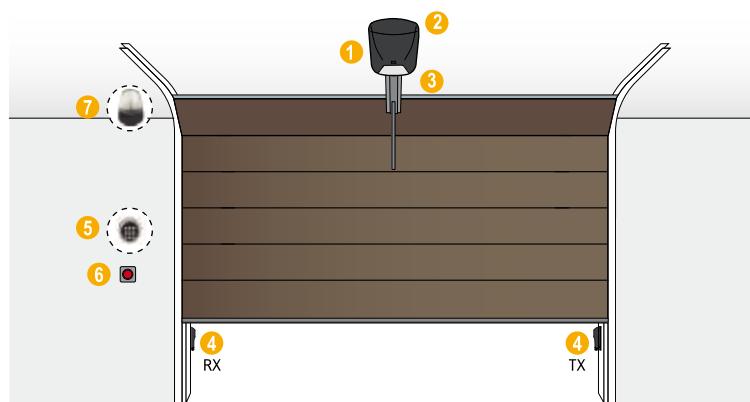
Sectional door type: Max H = 2600 mm



Overhead door type: Max H = 2600 mm



INSTALLATION MAP



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

OPTIONAL ACCESSORIES



LUCE
LED 24V
flashing light



RF40
Photocell 12-24V



MDLR04
Pull-cord release and
resetting device to fit
on door handle



MDLR28
External release kit for
counterweight doors



ARC02
Adapter arm for protruding
overhead doors



Balance

Garage system for counterweight 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.

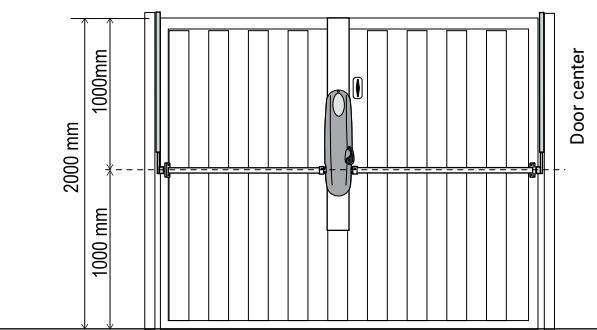


THE RANGE

	Power supply	Drive rail	Control board
BALANCE	230V	1,5 m / 2,0 m	Q80S
BALANCE CN	230V	1,5 m / 2,0 m	

DOOR TYPE

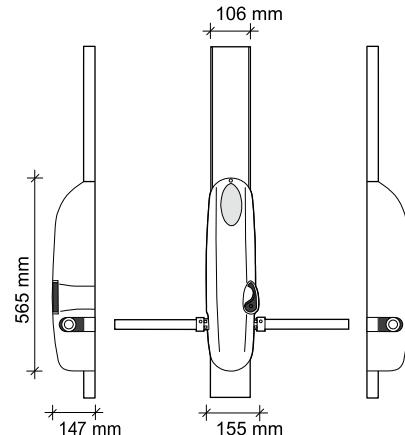
Non-protruding overhead door



TECHNICAL FEATURES

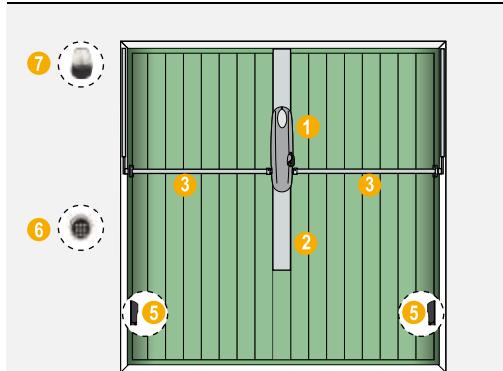
BALANCE	
Door max. width	10 m ²
Power supply	230V ac
Rated power	250W
RPM	1400
Capacitor	12,5 μ F
Absorption	1,3 A
Working temperature	-20° C / +55° C
Weight	8 Kg
IP protection	IP 30

DIMENSIONS

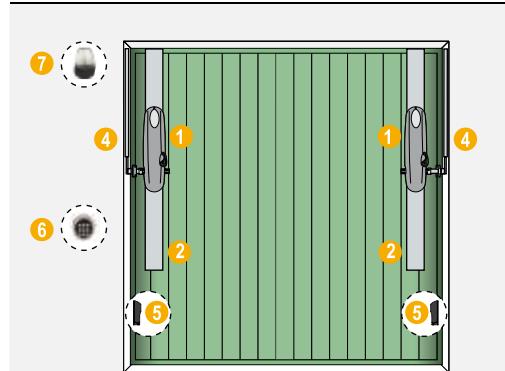


INSTALLATION MAP

CENTRAL APPLICATION

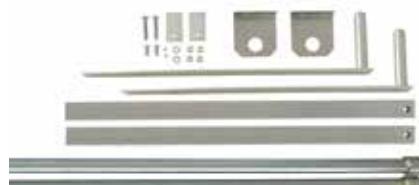


SIDE APPLICATION

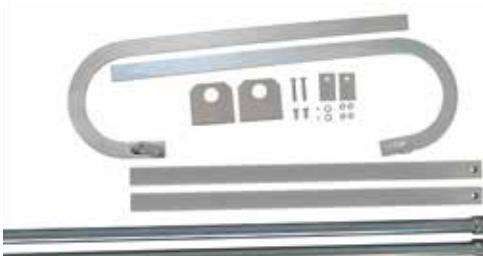


1_Door opener featuring control board and radio receiver 2_Drive rail 3_Fittings for central application 4_Fittings for side application
 5_Photocell 6_Wireless keypad 7_Flashing light

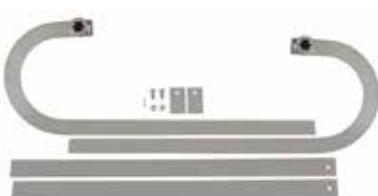
OPTIONAL ACCESSORIES



E102C
Straight arms kit for central mounting



E102U
Curved arms kit for central mounting



E102L
Curved arms kit for side mounting double motor



E101
Release kit for existing lock



IKON
4-ch remote control



E107A
Drive rack
1,5 m - 2,0 m



E102L
Fittings kit for side mounting double motor



RC22
Mechanical safety strip 24 mm x 2,5 m



RT37
Wireless keypad



RS15
Key switch



LUCE
LED 24V
flashing light



RF40
Photocell 12-24V

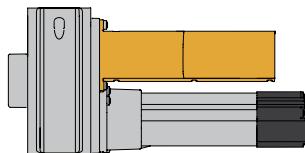




ROLLING SHUTTERS



Selection guide



PSE

reversible	Load up to 170 Kg	PSE20N
with electro-brake	Load up to 170 Kg	PSE21N
	Load up to 360 Kg double-motor version	PSE22N

PSE 20N 21N 22N

**Rolling shutter system
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.

PSE20N



THE RANGE

	Power supply	Version	Ø Shaft	Ø Spring-pulley	Max. Load
PSE20N	230V	reversible	60-48 mm	200-220 mm	170 Kg
PSE21N	230V	locked	60-48 mm	200-220 mm	170 Kg
PSE22N	230V	locked	100-76 mm dual motor	240 mm	360 Kg

PSE21N



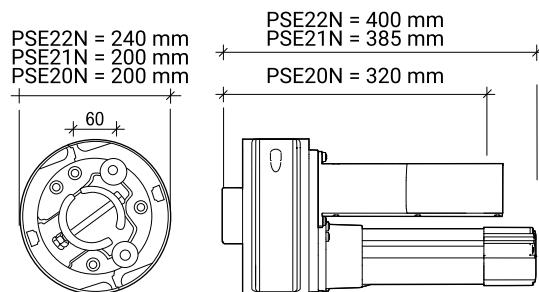
PSE22N



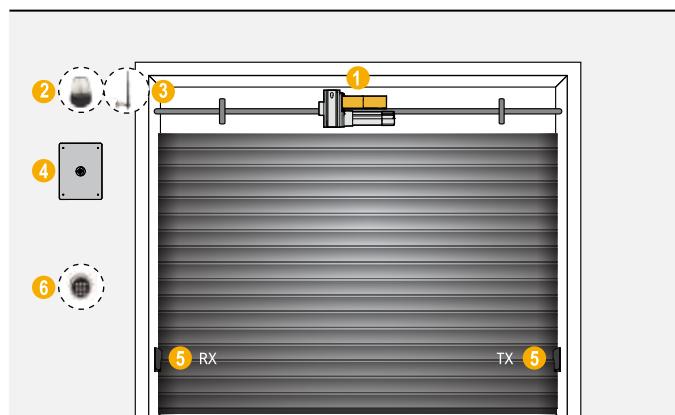
TECHNICAL FEATURES

	PSE20N	PSE21N	PSE22N
Power supply	230V 50/60 Hz	230V 50/60 Hz	230V 50/60 Hz
Current	2.6 A	2.6 A	5.4 A
Motor power	600 W	600 W	1340 W
Thrust	170 Nm	170 Nm	360 Nm
Pulley speed	10 rpm	9 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 mm
Spring-holder pulley	200/220 mm	200/220 mm	240 mm
Duty cycle	30%	30%	30%

DIMENSIONS



INSTALLATION MAP



1_Shutter operator 2_Flashing light 3_Stand-alone antenna 4_Control board
5_Closing photocell 6_Wireless keypad

OPTIONAL ACCESSORIES



RT26
Safety lock box with release handle for manual operation



IKON
4-ch remote control



RS15
Key switch



RF40
Photocell 12-24V



Q46
Control board 230V for shutters



RT37
Wireless keypad



LUCE
LED 24V
flashing light



ANT02
Stand-alone
antenna





BLINDS and OUTDOOR AWNINGS



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	

IOutdoor Awning 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.		

Outdoor 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	Max. load (Ø 60 mm shaft)
PTP45 20	230V	45 mm	20 Nm	17	32 Kg
PTP45 30	230V	45 mm	30 Nm	17	52 Kg
PTP45 50	230V	45 mm	50 Nm	13	90 Kg
PTP45 50M	230V	45 mm	50 Nm	13	90 Kg



CONTENTS

PTP45



Tubular motor Ø 45 mm
with octagonal adapter Ø 60 mm



Limit switch regulation key



Motor bracket

PTP45 50M



Tubular motor Ø 45 mm
with octagonal adapter Ø 60 mm and emergency release handle



Limit switch regulation key



Manual operation rod
(135 mm)



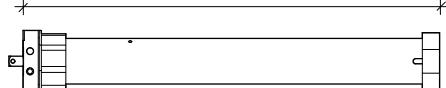
Motor bracket

TECHNICAL FEATURES

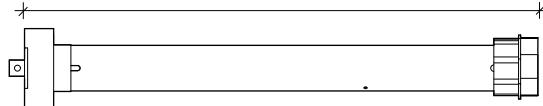
	PTP45 20	PTP45 30	PTP45 50	PTP45 50M
Power supply	230V	230V	230V	230V
Thrust	20 Nm	30 Nm	50 Nm	50 Nm
Current	0.78 A	1.03 A	1.23 A	1.23 A
Motor power	178 W	235 W	282 W	282 W
Motor speed	17 rpm	17 rpm	13 rpm	13 rpm
Weight	1,9 Kg	2.2 Kg	2.55 Kg	3.2 Kg

DIMENSIONS

PTP45 20 = 460 - PTP45 30 = 585 - PTP45 50 = 575

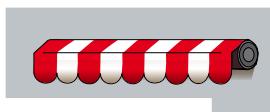


PTP45 50M = 620

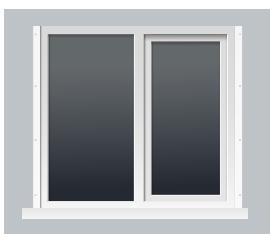


INSTALLATION MAP

AWNINGS



BLINDS



OPTIONAL ACCESSORIES



PTPQ01W
Radio receiver
433 MHz



PTPTX5W
Remote control
433 MHz
5-channels



PTPS03W
Wind/sun sensor,
solar powered



PTPR01SI
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	Q46
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

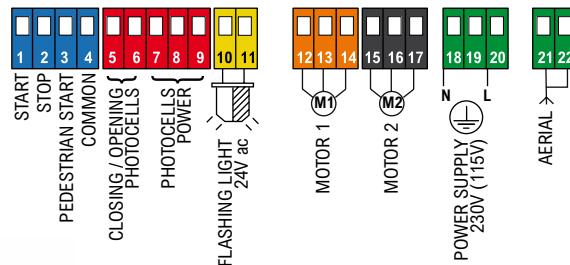
Control board powered at 230V
Also available in 115V

Motors powered at 230V
Also available in 115V

Capacity: 64 codes



WIRING



OPTIONAL ACCESSORIES



MRX01

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



MEL04

Card module 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.

Individual setting adjustment.

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.

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

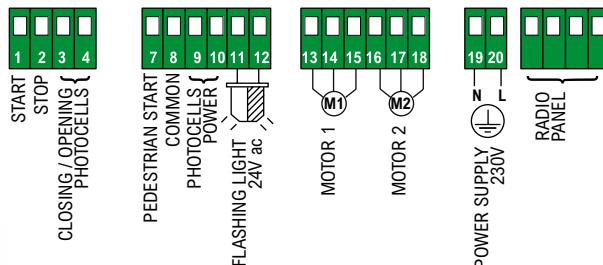
Control board powered at 230V

Motors powered at 230V

Capacity: 56 codes



WIRING



OPTIONAL ACCESSORIES



MEL01

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

MAIN FEATURES

LED screen for programming and fault diagnosis.

Electronic settings of force, working and deceleration times for each motor.

Adjustable delay time.

Single leaf mode.

Pedestrian opening.

Multi-occupation function.

Three different closing modes: automatic, semi-automatic, step by step.

Photocell and motor test.

Optional card module for electric-lock, "reversing stroke" and "lock pulse" functions.

Plug-in terminals.

Timer input.

Plug-in radio receiver 433.92 MHz.



Q81A

230V control board for single or double swing gates

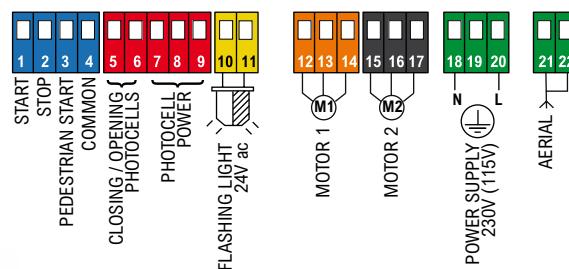
Control board powered at 230V
Also available in 115V

Motors powered at 230V
Also available in 115V

Capacity: 64 codes



WIRING



OPTIONAL ACCESSORIES



MRX01

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



MEL04

Card module 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.
Photocell and motor test.
Can command a timer.
Optional card module for electric-lock, "reversing stroke" and "lock pulse" functions.
Optional card module to command a 2° radio channel, or to control the gate status, or to fit a courtesy light. Plugin terminals.
Input for 8K2 resistive safety strip.
Plug-in radio receiver 433.92 MHz.



Q20A

24V control board for single or double swing gates

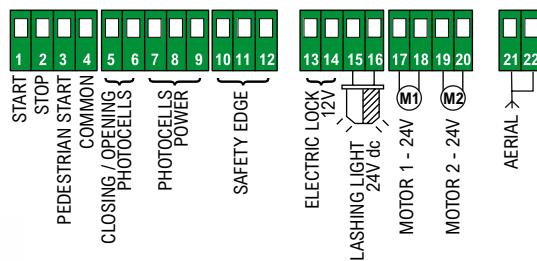
Control board powered at 230V
Also available in 115V

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 kit.



MPIQ03

Battery fixing plate for PAR04 housing.

MAIN FEATURES

Self-learning programming mode.

Individual setting adjustment.

Electronic settings of working and deceleration times for each motor.

Adjustable delay time.

Single leaf 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 alert.

Separate OPEN/CLOSE push buttons function.

Can fit a timer.

Built-in charger.

Optional card module 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.



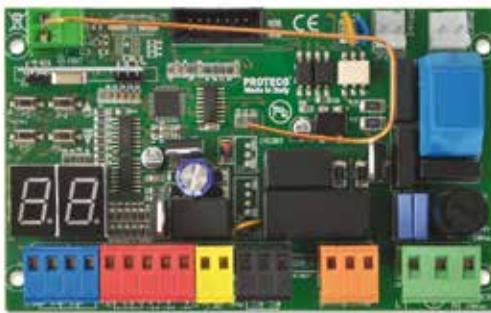
Q80S

230V control board for sliding gates

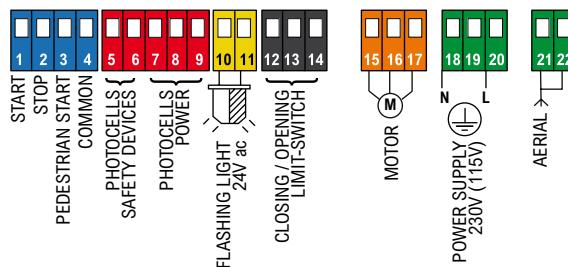
Control board powered at 230V
Also available in 115V

Motor powered at 230V
Also available in 115V

Capacity: 64 codes



WIRING



OPTIONAL ACCESSORIES



MRX01

AUX card module to command a 2° radio channel, to control the gates 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.
Individual setting adjustment.
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 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.



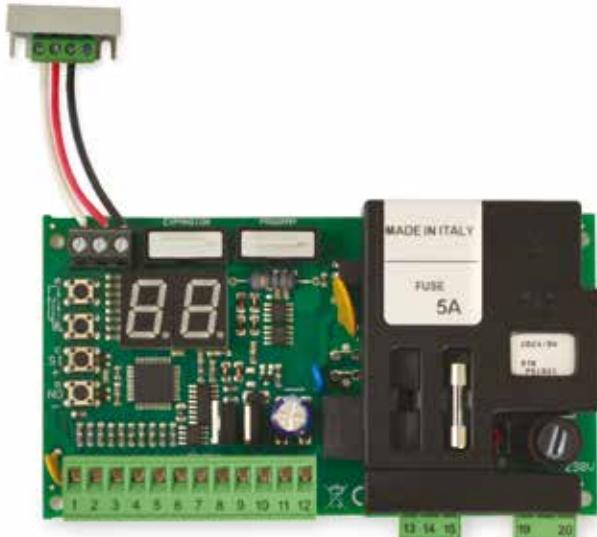
Q60S

230V control board for sliding gates

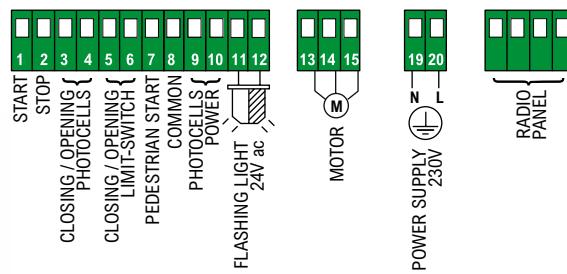
Control board powered at 230V

Motor powered at 230V

Capacity: 56 codes



WIRING



OPTIONAL ACCESSORIES



MEL04

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

MAIN FEATURES

- LED screen for programming and fault diagnosis.
- Individual setting adjustment.
- 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.
- Can fit a timer.
- Plug-in radio receiver 433.92 MHz.



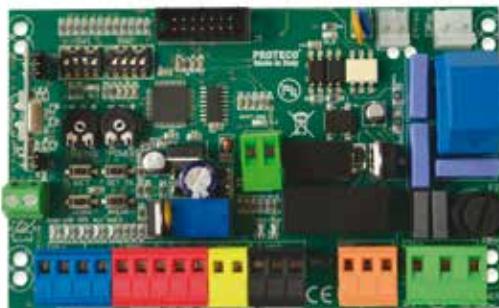
Q81S

230V control board for sliding gates

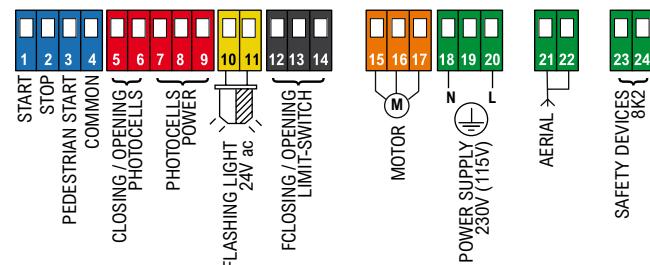
Control board powered at 230V
Also available in 115V

Motor powered at 230V
Also available in 115V

Capacity: 64 codes



WIRING



OPTIONAL ACCESSORIES



MRX01

AUX card module to command a 2° radio channel, to control the gates 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 function.
- 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

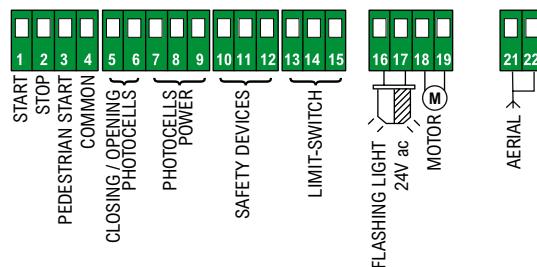
24V control board for sliding gates

Control board powered at 230V
Also available in 115V

Motor powered at 24V

Capacity: 99 codes

WIRING



OPTIONAL ACCESSORIES



MRX02

AUX card module 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 motor 24V.



MBT2301

Back up battery pack for MIKE.

MAIN FEATURES

LED screen for programming and fault diagnosis.

Obstacle detection function (EN 12453) with adjustable threshold.

Simplified self-learning programming mode.

Individual setting adjustment.

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 alert.

Separate OPEN/CLOSE push buttons function.

Dead man function.

Can command a timer.

Built-in charger.

Optional card module 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

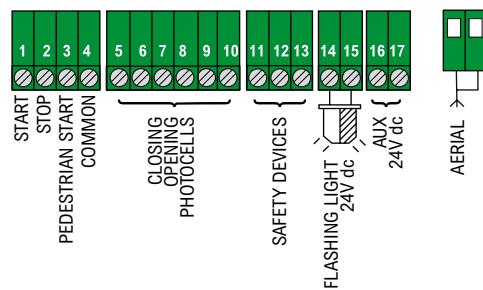
MATRIX range - 230V control board for sliding gates

Control board powered at 230V

Motor powered at 230V

Capacity: 96 codes

WIRING



OPTIONAL ACCESSORIES



MRX01

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



PMXM01

Optional card module 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.
Individual setting adjustment.
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 alert.
Separate OPEN/CLOSE push buttons function.
Dead man function.
Can command a timer.
Optional card module 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 to command a 2° radio channel, to control the gates status, or to fit a courtesy light.



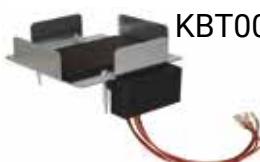
PMXM01

Optional card module to synchronize a double sliding gate.



Q BAT 3.2

Battery 12V 3.2Ah.



KBT003

Battery charger for Matrix brushless systems

MAIN FEATURES

LED screen for programming and fault diagnosis.
Obstacle detection function (EN 12453) with adjustable threshold.
Simplified self-learning programming mode.
Individual setting adjustment.
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 alert.
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

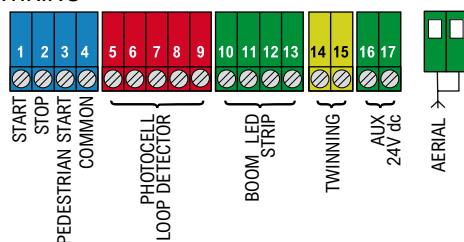
S-PARK road barriers' range Control board 24V

Control board powered at 24V
Also available in 115V

Motor powered at 24V

Capacity: 96 codes

WIRING



OPTIONAL ACCESSORIES



MRX01

AUX card module to command a 2° radio channel, to control the gates status, or to 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 alert.
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.



Q46

Control board 230V for rolling shutters

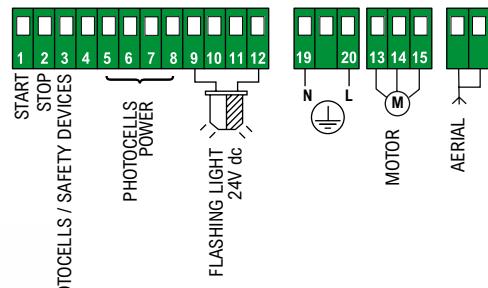
Control board powered at 230V

Motor powered at 230V

Capacity: 48 codes



WIRING



MAIN FEATURES

NC/NO inputs can be programmed according to the features of the wired device.

Programming display for quicker commissioning and troubleshooting.

Stop command function through remote control.

Output for courtesy light with adjustable time settings and remote control command.

Infrared photocells input with 8K2Ω safety edge wiring option.

Dead-man command function through remote control command for opening or closing.

230V or 24V Flashing light/courtesy light output.

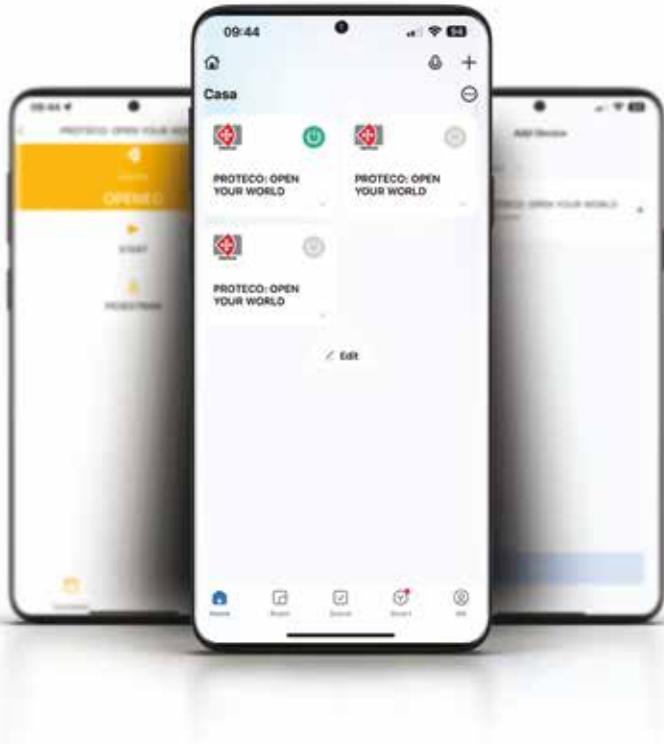
NC inputs for safety devices can be managed through programming keys, no by-pass jumpers needed.

Built-in radio receiver with storage up to 100 different user codes and single code deleting parameter.



Safety Accessories





The Proteco End-User App for Automation Control via Smartphone and Tablet.

Manage Multiple Installations from a Single App

Monitor and control all your gates and doors remotely, all in one intuitive platform.

Real Time Control

Check the status of your gate anytime and open or close it with just one click wherever you are. Fast and effortless.

Flexible Access Sharing

Grant family members or friends access to open and close gates or garage doors even for limited periods of time.

Smart Scheduling

Use the calendar option to set predefined opening and closing times, to perfectly match your weekly routine.

Instant Alerts

Receive notifications whenever your gate is opened or closed while you are away and be updated in case of faults.

One App. Endless Possibilities.

Proteco Open Your World is available on the App Store and Google Play, powered by Tuya's Smart Life platform.

It's also compatible with other smart home and business systems such as outdoor lighting, irrigation, or awnings.



Technology that supports you anywhere

Smartbox

PQSB02



A universal interface that lets you control all existing automation systems equipped with Q80, Q60, and Q20 control units through the Proteco Open Your World App.

Smartkey

PQSK02



Advanced plug-in interface for managing MATRIX and S_PARK automations via Proteco Open Your World App

Transmitters

Angie



Model	ANGIE	ANGIE-R
Battery	A23/23A	A23/23A
Frequency	433.92 MHz	433.92 MHz
Channels	4	4

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

TX4334



Model	TX4334
Battery	A23/23A
Frequency	433.92 MHz
Channels	3+1

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

Ikon



Model	IKON
Battery	3V Lithium, CR2032
Frequency	433,92 MHz ± 100 KHz
Channels	4

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.

Ikon 868



Model	IKON 868
Battery	3V Lithium, CR2032
Frequency	868,35 MHz ± 100 KHz
Channels	4

4-key remote control with random generate fixed code.
Sleek design, ergonomic grip and chrome details.
868MHz radio frequency is particularly suitable to overcome radio interferences in case of 433MHz oversaturation areas.
Compatible with Proteco Q80, Q81 and Q20 control unit series through optional plug-in 868MHz radio receiver interface.

Antennas

ANT02



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

Radio receivers

RX 433



Stand-alone radio receiver 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	Storage Channel	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

MRXQ02

Plug-in 868MHz radio card for Q90, Q80, Q81 e Q820 control units



Keypads

RT37



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

RT42



Wired 12/24V ac/dc digital keypad with backlit keys.
Resin-coated for maximum protection against dust and wet weather (IP66).
Relays' working time adjustable from one to 99 seconds.
It can be used with a timer device to manage access timetable.
Double channel outputs, 2A each. NO and NC contacts.
Memory can store up to 60 different user codes (from one to 8 digits)
Alarm buzz after 8 wrong code access attempts.

RT40



Vandal-proof digital keypad with transponder.
Wired 12/24V ac/dc digital keypad with metal case and backlit keys.
Sleek design and slim shape to suit any kind of pillar design and dimension.
Access control through PIN code or tag reader, it can store up to 1000 different user codes.
Resin-coated circuit board and galvanized metal finishing ensuring maximum protection against dust and wet weather (IP66).
Relay's working time (max 2A) adjustable from one to 99 seconds.
STANDALONE operation mode through on board outputs (NO e NC).
Optional WIEGAND interface module available for tamper-proof wiring.

KRT43001

10 pcs Tag buttons (125 KHz) set for **RT40** digital keypad transponder

Key switches

PRS2PAI



2-micro key selector with European DIN cylinder.
Vandal-proof metal case and wide internal space for wiring.
Plug-in micro support to make installation and electrical connections more installer-friendly.
Double wiring option: on the rear or lower side of the key switch.
L 72mm x H 72mm x D 48mm - IP 54

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.



Sensors

RF40



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

RF12



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

RF38



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

RF33



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

RF02



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

Flashing lights

Luce



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



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).

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 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 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 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'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.

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