



ROGER'S WORLD IS DIGITAL

ENGLISH PRICE LIST 06.2025

ENG



**EXPERIENCE
& PASSION
TO CREATE
INNOVATION**

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ROGER THAT!

We are Roger Technology, and we believe in a future where every opening is a gesture of excellence.

We build motors like works of art, starting from raw materials. Every component is born in our Italian facilities, crafted with passion and precision.





We innovate to deliver simple, functional, and integrated solutions, compatible with the past and designed for the future.

We select only the highest-quality materials to ensure durability and reliability.

Each product is carefully tested and assembled, offering you automation that reflects our commitment and our vision.

THE FUTURE IS AMONG US NOW!

Together, we open the doors to a safer and more technological tomorrow.





HEAD QUARTER ROGER

Welcome to our home, where every day innovation takes shape. In Bonisiolo di Mogliano Veneto, a gear is born from a metal bar, a motor housing from an aluminum ingot, and an electromechanical motor from a copper coil.

With 7 Italian production facilities dedicated to the development and manufacturing of our solutions, every detail is crafted with passion and precision.

Our mission is to offer solutions that simplify and enhance your professional installations. We are proud to share with you our dedication to quality and innovation.





40 YEARS ROGER

**EXPERIENCE
AND PASSION
GROWN BY THE
FLORIAN BROTHERS
AND PASSED DOWN
TO THE FAMILY**

We believe in the power of ideas.

The Florian Brothers build innovation with their hands and
their hearts.

Every motor we design is born from a clear vision: to
unite technology, beauty, and reliability.

At Roger Technology, passion becomes movement.

1981

Just like in the classic "Cinderella Company Stories," ELETTRMECCANICA FLORIAN was born in a home garage, with the aim of providing repair and maintenance services for electric motors and electrical systems.

1983

ELETTRMECCANICA FLORIAN evolved into LA BITECNICA s.n.c., where the Florian brothers decided to completely leave behind repairs and maintenance to focus exclusively on series production of electric motor windings for third-party manufacturing.

1993

The first industrial plant was built at the current site in Mogliano Veneto, achieving a production volume of over 100,000 motors per month and fully robotizing the mechanical production lines, with the main goal of supplying motors complete with all mechanical components.

2001

The ROGER TECHNOLOGY brand was born. All series productions for third parties were suspended, and production began on Roger Technology-branded products, using 230V AC alternating current technology.

2009

The digital revolution began with the production of low-voltage 24V DC Brushless digital motors and the development of digital controllers, enabling elegant, total, and secure management of automation.

2017

Roger Technology is a company with 5 Italian production plants and 4 internal business units, covering more than 10,000 square meters entirely dedicated to the complete development and manufacturing of its own 100% MADE IN ITALY solutions.

2020

In a year of global challenges, we turned difficulties into opportunities. Our determination allowed us to overcome the worldwide pandemic, keeping our passion for innovation alive.

2022

We resumed our journey with renewed energy. The opening of a new plant marked the beginning of a new era, characterized by the creation of innovative products that look to the future.

2024

Our team has grown, bringing in new ideas and skills. We have organized successful events with our dealers both in Italy and abroad, strengthening our global presence.



DIGITAL INNOVATION

Every day, we invest in technology to deliver cutting-edge solutions. This commitment translates into reliable, high-performance products that strengthen our partners' competitiveness in the market.

MADE IN ITALY QUALITY

We manufacture in Italy, ensuring total control over every stage. This approach guarantees our resellers high-quality products, ready to meet the needs of the most demanding customers.

CONTINUOUS TRAINING

We organize training sessions for installers and partners, sharing knowledge and expertise. This ongoing support enables our network to deliver excellent, up-to-date service.

ROGER CODE

HUMAN ENERGY, INDUSTRIAL PRECISION

We build industrial identity with precision. Every component is the result of strategic choices. Every relationship strengthens our system. Tangible value for installers and end customers.

We design technology that stands the test of time. Our motors become essential elements—reliable, solid, ever-present. Innovation and quality are transformed into everyday protection tools.

SUSTAINABILITY

We develop energy-efficient solutions, such as our motors featuring Brushless and Direct Drive technologies. This commitment to the environment is reflected in eco-friendly products, appreciated by a market increasingly focused on sustainability.

RELIABILITY

We design products built to last, minimizing maintenance needs. This reliability fosters customer trust and offers a competitive advantage for our partners.

COLLABORATION

We build strong relationships with installers and resellers, based on trust and mutual support. This synergy allows us to grow together, successfully facing the challenges of the market.

ROGER WORLD

BECOME A ROGER AMBASSADOR AROUND THE WORLD

Today, our Brushless digital motors move gates, doors, and barriers in over 100 countries.

We have revolutionized automation with technology that is silent, efficient, and powerful. Every movement tells the story of our passion for innovation.

Roger Technology's Brushless motor innovation is redefining automation through a sustainable lens.

Choosing Roger Technology means embracing a future where efficiency meets sustainability.





WE ARE ROGER

At Roger Technology, we believe in the power of sharing. We organize events open to all installers, both at our headquarters and at our resellers' locations.

Together, we explore the potential of Italian-made Brushless digital motors.

Each meeting strengthens our partnership with customers, expanding the knowledge and installation of cutting-edge technologies.

United, we are building a future of innovation and excellence.



WORKSHOPS AT RESELLERS

Together with our dealers, we organize workshops dedicated to installers. Each event is an opportunity to experience Roger Brushless technology up close.

Training, innovation, and collaboration to grow together.





TRAINING CENTER AT OUR HEADQUARTERS

At the heart of our headquarters, the Training Center hosts the “We Are Roger” events. Here, installers experience Brushless technology firsthand on our products. Each session is a deep dive into Made in Italy quality.

Training, experience, and passion come together to build the future of automation—together.



CUSTOMER SERVICE FOR INSTALLERS

Being a Roger Technology dealer or installer means having access to exclusive customer service—dedicated, fast, and highly skilled technical support.

Simply register in our reserved area.

CONTACT US AT:



+39 041 5937023



WWW.ROGERTECHNOLOGY.IT



WHATSAPP



ASSEMBLY DEPARTMENT

In our assembly department, every detail takes shape with precision, care, and Italian passion.



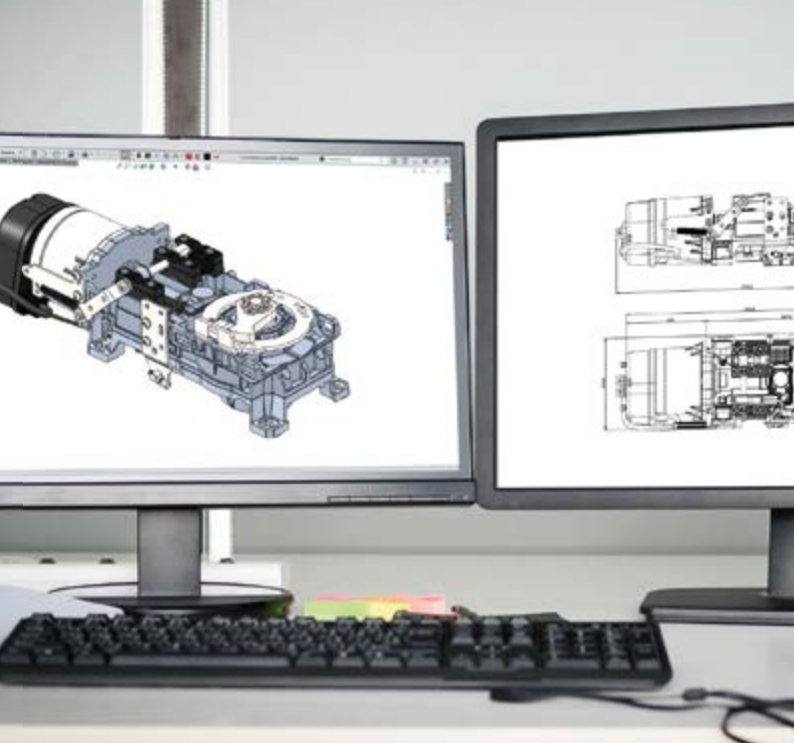
ELECTRONICS DEPARTMENT

We rigorously test every electronic board.
Reliability and safety are born here, every day.

TURNING DEPARTMENT

In the turning department, next-generation machines shape uncompromising quality and precision.





DESIGN AND TEST DEPARTMENT

The design office blends creativity and digital innovation to bring smart, tailor-made solutions to life.

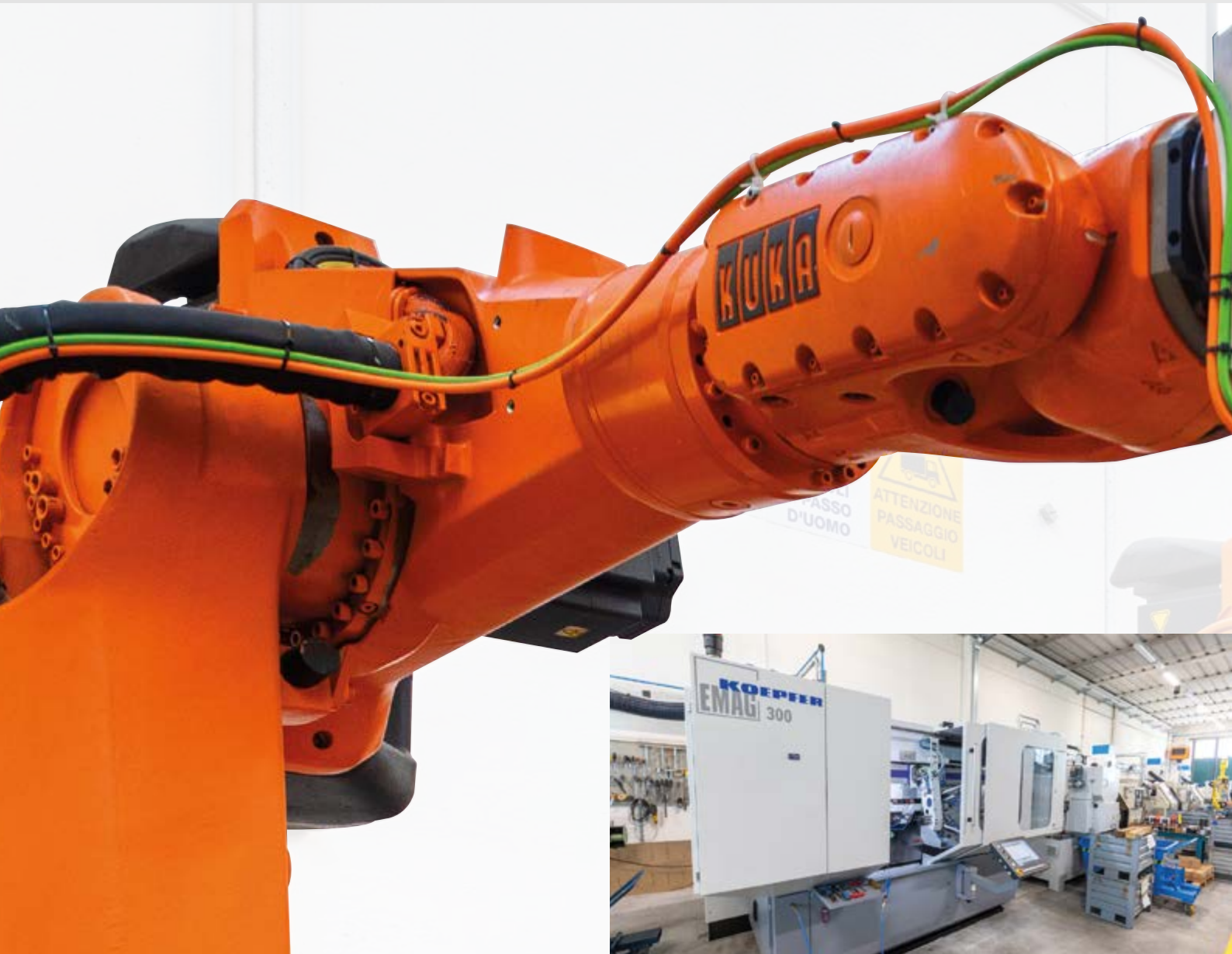
ROGER DEPARTMENTS

At Roger Technology, every department is a heartbeat of our industrial soul. From design to production, from logistics to technical support, every team works with passion to deliver innovative and reliable solutions.



RESEARCH AND DEVELOPMENT DEPARTMENT

In the research and development offices, every idea transforms into advanced technology, giving life to the products that carry the Roger brand. This is where the future of automation is born.



Precision

INNOVATIVE MACHINES

**PRODUCTS MADE WITH
EXCELLENT MATERIALS,
ASSEMBLED IN-HOUSE
BY NEXT-GENERATION MACHINERY**



Innovation

Every motor is born from excellent materials.
We touch them, we listen to them, we transform them.
State-of-the-art machinery and skilled hands shape our
idea of perfection.



Efficiency



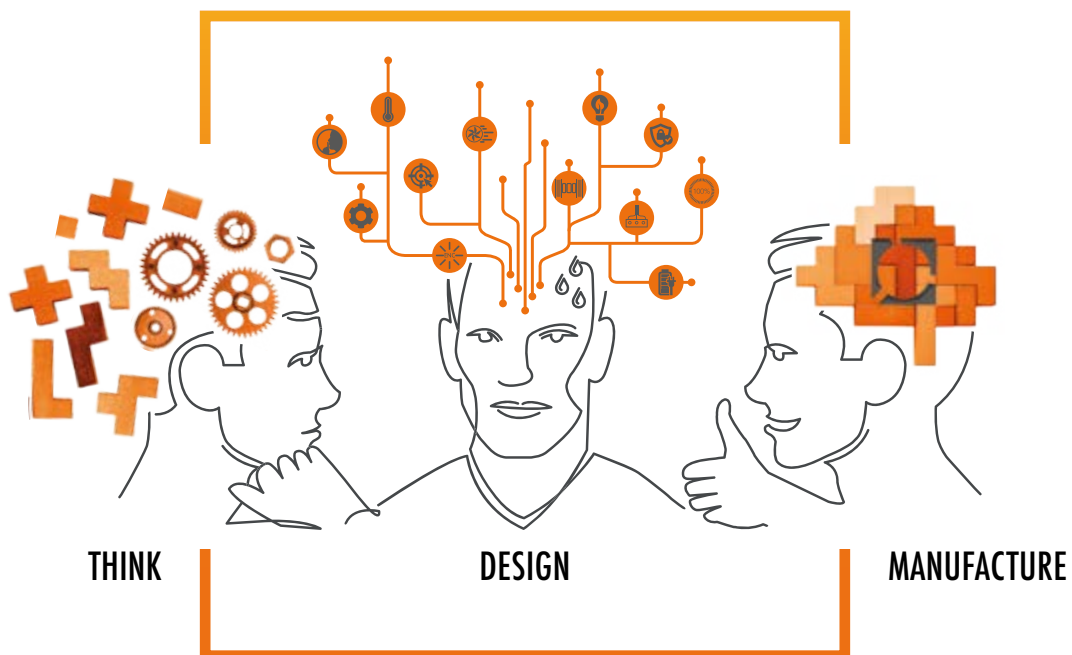


ROGER IS DIFFERENT

PIONEERS OF THE BRUSHLESS DIGITAL MOTOR

We were the first. The first to believe that automation could become smart, efficient, and sustainable. Our Brushless digital motors were born from this vision. Designed, engineered, and manufactured in our facilities, they represent the heart of our evolution.

Reduced consumption, consistent performance, superior durability—every component tells our story: a commitment to innovating with respect for the environment and pride in our **Made in Italy** heritage. This is Roger Technology. And this is only the beginning.

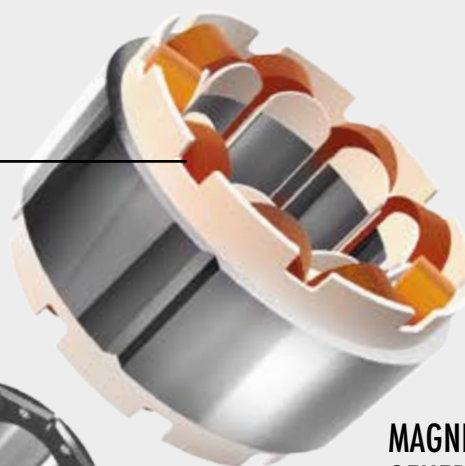




BRUSHLESS POWER

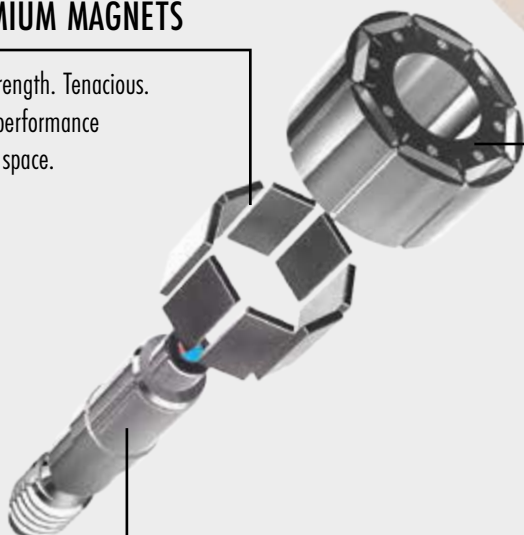
COPPER COILS

We wind pure power.
Efficiency pulses through every single turn.



NEODYMIUM MAGNETS

Compact strength. Tenacious.
Maximum performance
in minimal space.



MAGNETIC FIELD GENERATION

The permanent magnetic field generates
smooth, precise movement. Advanced technology
for reliable and durable automation systems.

ROTOR

Spins silently. Precisely. Reliably.
The heart that transforms energy
into motion.



THREE POWERS, ONE TECHNOLOGY

Every project has its own strength.
Choose the Brushless power best suited to your
installation: same advantages, incredible performance.

BRUSHLESS IS DIFFERENT

12 REASONS TO HAVE THE BEST

A brushless digital motor with a permanent magnetic field, equipped with advanced digital electronics for total and secure automation control.

Designed for super-intensive use, it guarantees reliability and extremely low energy consumption.
DIGITAL Brushless.





THREE-PHASE DIGITAL BRUSHLESS MOTOR

Compact, powerful, with high torque. Concentrated windings and sinusoidal three-phase power supply for consistent performance and maximum efficiency.

CONTINUITY EVEN DURING BLACKOUTS

With integrated or external batteries, the system keeps operating even in the absence of power. More maneuvers, more autonomy, more reliability.



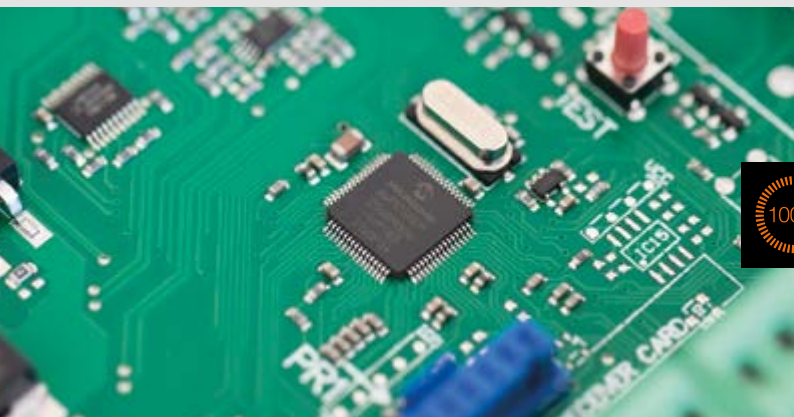
ELEGANCE IN MOVEMENT

Accelerations, decelerations, and variable speeds managed with precision. Every opening is smooth, safe, consistent, and always under control.

REDUCED CONSUMPTION

High efficiency at low voltage. The Brushless motor consumes very little, even in challenging weather conditions and under heavy use





DIGITAL AND VECTOR CONTROLLER

Total control at 24V/36V DC.

Precise programming with a DSP microcontroller for smooth and fully customized motion management.

CONTROLLED TEMPERATURE

99% efficiency. The motor stays cool even under stress, reaching at most the ambient temperature of its working environment.



DIGITAL SILENCE

Movements are almost imperceptible.

The Brushless motor operates silently, ensuring smoothness and comfort without disturbing the surroundings.

SUPER-INTENSIVE USE

Designed for nonstop operation. Even after days of continuous use, the motor remains cool and ready to deliver top performance.



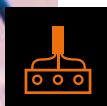


TOTAL SAFETY

Detects obstacles and immediately reverses. Customizable settings for torque, timing, and sensitivity. More safety, more peace of mind.

NATIVE DIGITAL ENCODER

Absolute control over every movement. The integrated encoder manages every phase with precision and security. No losses, zero compromises.



INSTALLATION WITH A 3-WIRE CABLE

Simple, clean, and effective connection. Thanks to sensorless or sensored technology, the entire automation system is managed digitally.

PRECISION MECHANICS

Every detail crafted to enhance motor performance. Top-quality materials, in-house machining, and mechanical design for outstanding performance.



RANGE BRUSHLESS



SLIDING GATE RANGE



BM30

BM30/303/HS
BM30/303/HS/115
BM30/304/HS

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BH30

BH30/603/HS
BH30/603/HS/115
BH30/604/HS
BH30/803
BH30/803/115
BH30/804
BH30/804/R

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BG30

BG30/803/HS
BG30/803/HS/115
BG30/804/HS
BG30/804/HS/115
BG30/1004/HS
BG30/1404/R
BG30/1504/HS
BG30/1604
BG30/1804/HS
BG30/2204

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TW90 CENTRALE INTEGRATA

TW90/600/HS
TW90/600/HS/115
TW90/800
TW90/800/115
TW90/800/R

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TW90 CENTRALE SEPARATA

TW90/620/HS
TW90/620/HS/115
TW90/820
TW90/820/115
TW90/820/R

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TW110

TW110/1000/HS
TW110/1000/HS/115
TW110/1200/R
TW110/1600/HS
TW110/1600/HS/115
TW110/2000
TW110/2000/115

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SWING GATE RANGE



MONOS

MONOS4

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BE20

BE20/200
BE20/200/HS
BE20/400

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BR20

BR20/400/R

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SMARTY

SMARTY5
SMARTY5R5
SMARTY7
SMARTY7R
SMARTY4/HS

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BR21

BR21/351
BR21/351/HS
BR21/361
BR21/361/HS
BR21/362

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AYRON

AY/250/M (MASTER)
AY/250/M/115 (MASTER)
AY/250/S (SLAVE)

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BH23

BH23/282
BH23/252/162

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SLED

SL/180/R

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BARRIER RANGE



BIONIK4

BI/004
BI/004/115
BI/004/IS
BI/004/IS/115

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BIONIK4HP

BI/004HP
BI/004HP/115
BI/004HP/IS
BI/004HP/IS/115

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BIONIK6

BI/006
BI/006/115
BI/006/IS
BI/006/IS/115

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BIONIK1PE

BI/001PE

PAGE 204



BIONIK1PC

BI/001PC
BI/001PC/115

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BIONIK8

BI/008
BI/008/115

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WAY4

WAY/004 - WAY/004/115

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WAY5

WAY/005 - WAY/005/115

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SECTIONAL DOOR RANGE



ULK

UL/1200/HS
UL/1200/HS/115
UL/1400
UL/1400/115

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OVERHEAD DOOR RANGE



BR41

BR41/830
BR41/830/Q
BR41/831
BR41/831/Q

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INDUSTRIAL RANGE



NAVI

NV/200/DX
NV/200/SX

PAGE 250





KEEP CALM AND SPEED



HIGH SPEED ANIMAL INSTINCT DIGITAL SPEED

With the new HIGH SPEED digital line, you can open and close gates at high speed, with elegance, cutting waiting times by more than half compared to traditional operators. It's the perfect solution for installations requiring rapid maneuvers, intensive use, smooth movement, and maximum safety during operation and obstacle detection.





RANGE HIGH SPEED



SLIDING GATE RANGE



BM30

BM30/303/HS
BM30/303/HS/115
BM30/304/HS

PAGE 46



BH30

BH30/603/HS
BH30/603/HS/115
BH30/604/HS

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BG30

BG30/803/HS
BG30/803/HS/115
BG30/804/HS
BG30/804/HS/115
BG30/1004/HS
BG30/1504/HS
BG30/1804/HS

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TW90 INTEGRATED CONTROL UNIT

TW90/600/HS
TW90/600/HS/115

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TW90 SEPARATE CONTROL UNIT

TW90/620/HS
TW90/620/HS/115

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TW110

TW110/1000/HS
TW110/1000/HS/115
TW110/1600/HS
TW110/1600/HS/115

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SWING GATE RANGE



BE20

BE20/200/HS

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SMARTY

SMARTY4/HS

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BR21

BR21/351/HS
BR21/361/HS

PAGE 132



AYRON

AY/250/M (MASTER)
AY/250/M/115 (MASTER)
AY/250/S (SLAVE)

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BH23

BH23/252/HS

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BARRIER RANGE



BIONIK4

BI/004
BI/004/115
BI/004/IS
BI/004/IS/115

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BIONIK1PE

BI/001PE

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BIONIK1PC

BI/001PC
BI/001PC/115

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SECTIONAL DOOR RANGE



ULK

UL/1200/HS
UL/1200/HS/115

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PARKING **ROGER**

AUTOMATIC BARRIERS



SOLUTIONS FOR AUTOMATED PARKING SYSTEMS

Managing a parking facility has never been so easy. With our automatic barriers, you can create systems

that are precise, fast, and reliable. Every entry is under control. Every exit, a perfect flow.



TRAFFIC LIGHT
SOLUTIONS INTEGRATED
WITH UNIVERSAL
PARKING SYSTEMS



ROAD BARRIERS FROM
3 TO 8 METERS TOTAL
BOOM LENGTH



AUTOMATIC BARRIER
WITH HIGH-SPEED
TECHNOLOGY, LESS THAN
1 SECOND



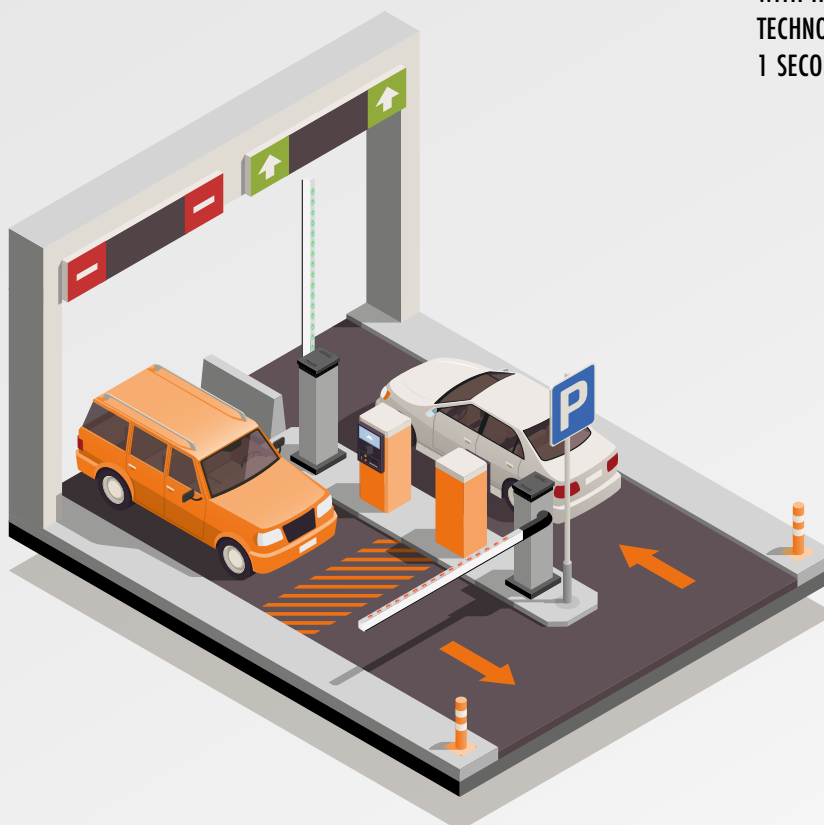
100% INTEGRATED
WITH LPR
TECHNOLOGY



IOT NATIVE TECHNOLOGY
IN THE MICROCONTROLLER
WITH B-CONNECT®



EASY CONFIGURATION
WITH PARKING
MANAGEMENT SYSTEMS



100% DUTY CYCLES
WITH MORE OF
15.000.000 MTBF



FULL EFFICIENCY WITH
SOLAR PANELS AND
BACKUP BATTERIES
TECHNOLOGIES



DIGITAL BRUSHLESS
CONTROLLER FOR SAFETY
CONTROL MANAGEMENT
WITH INTEGRATED
MASTER SLAVE BUS
COMMUNICATION



MORE THAN 90% OF
ENERGY SAVING AGAINST
ALL OTHER MARKET
SOLUTIONS



POWER BOX GREEN MODE

THE CONTAINER OF SOLAR ENERGY



TOTAL FREEDOM OF INSTALLATION

Install your gate wherever you want.
All you need is sunlight—even without
a power grid connection.



REMOTE DIAGNOSTICS

With B-Connect, you can monitor
charging and system status from
anywhere.



REDUCED CONSUMPTION, GUARANTEED SAVINGS

Operates without
connection to the electrical
grid. Save energy and
protect the environment.



FLEXIBLE SYSTEM CONFIGURATION

Compatible with small
solar panels. Manages 2
or 3 batteries depending
on the controller.



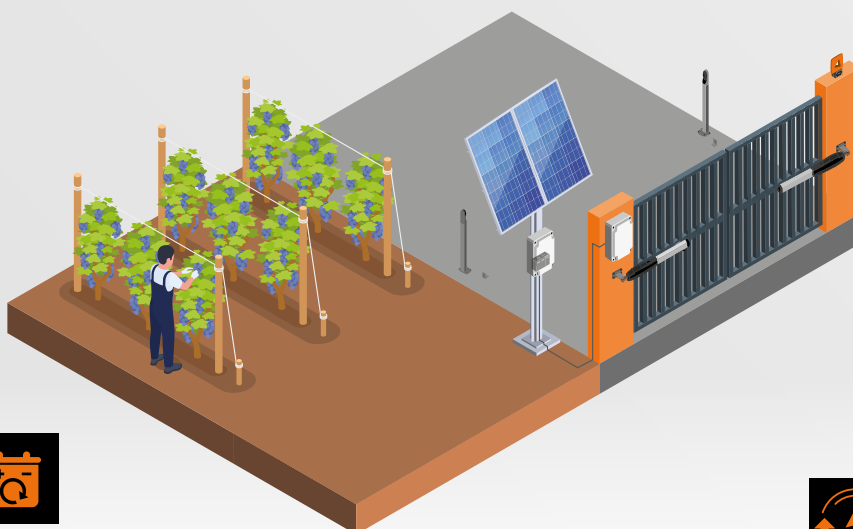
LONGER-LASTING BATTERIES

The digital inverter optimizes
charging and consumption.
More cycles, more autonomy.



NO DOWNTIME, EVEN DURING BLACKOUTS

Brushless motor and inverter together ensure
continuous operation even without power.

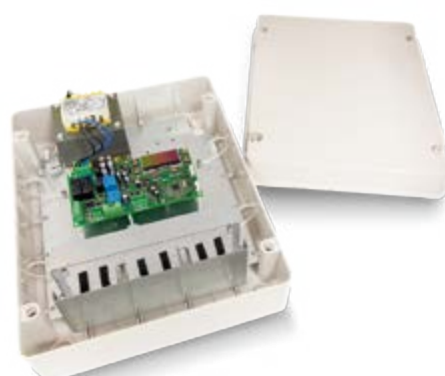




FULL SOLAR

When the place of installation is unsuitable for an electric connection, Power Box allows the automation to be powered in green mode - in other words, it works entirely with solar energy!

The solar panels collect the sun's energy which, via Power Box, is accumulated in the batteries to power the brushless digital motor. The Power Box power supply can also be exploited for an access point, i.e. a wi-fi device that allows the remote control of the automation by B-Connect.

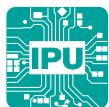


NETWORK ASSISTED

The Network Assisted version of Power Box combines solar energy with the electricity supplied from the mains. This system automatically identifies the best energy source for the use of the automation, guaranteeing a continuous power supply to the motor and a 100% battery charge.

The practical, user-friendly control panel is used to program and manage all the system functions simply and quickly, via a digital display. The powerful microprocessor not only manages and optimises the inverter allowing the automation to work, but also gives access to operating statistics, enables the management of the event register, and much more besides.

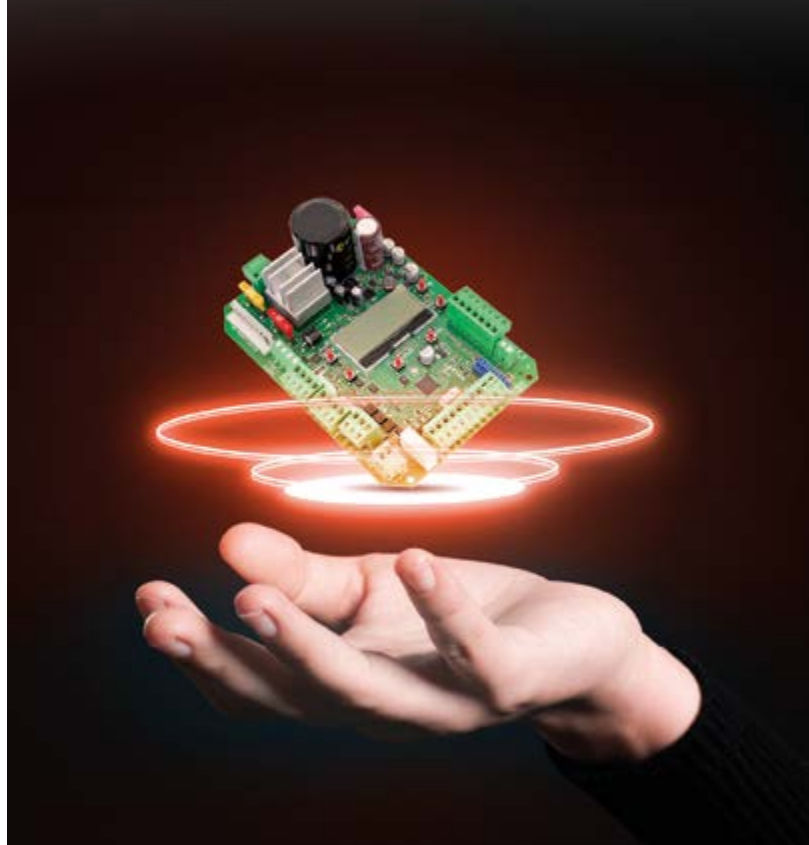




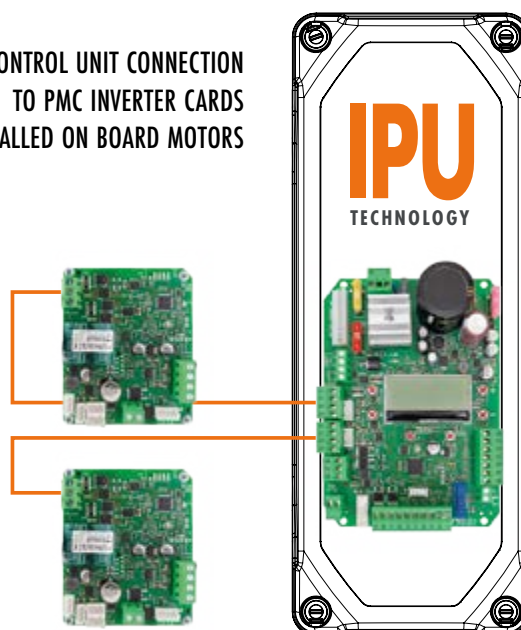
BRAIN IPU

THE INTELLIGENT CONTROL UNIT

IPU (Intelligent Processing Unit) is the new patented control unit to manage Brushless automation systems with on-board PMC inverter board. The IPU defers the motor control functions to the revolutionary PMC module, devoting all its computing power to the logical management of any kind of automation, and providing a single control unit for any situation.



IPU CONTROL UNIT CONNECTION
TO PMC INVERTER CARDS
INSTALLED ON BOARD MOTORS



INTELLIGENT MULTI-AUTOMATION

IPU manages two different automations within the same system, adapting every parameter based on the type: sliding or swing gates. Thanks to the PMC module, every movement is precise, safe, and fully customizable.



EXPANSION CONNECTORS

Two dedicated connectors allow you to digitally connect additional boards without complex wiring. Buttons and displays communicate directly with the IPU control unit in a simple and immediate way.



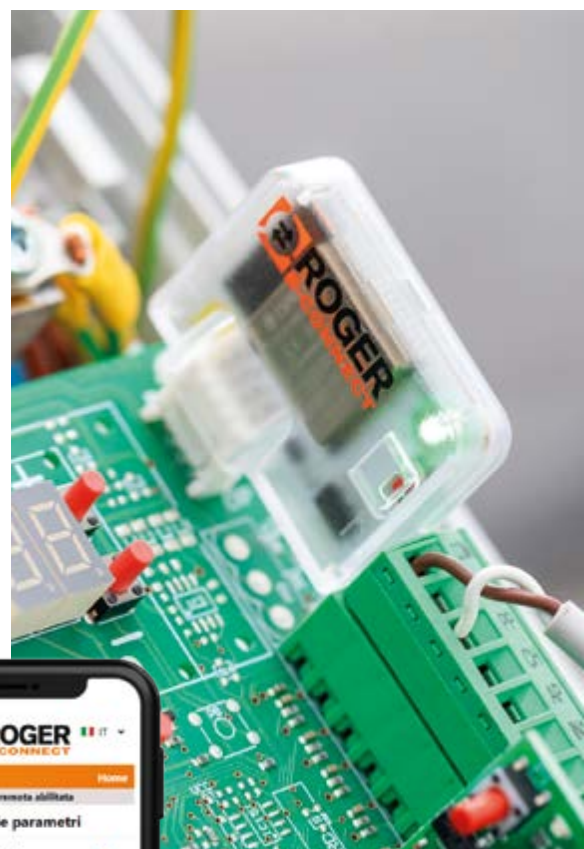


WI-FI MODULE B-CONNECT



B-CONNECT

native connection via Wifi
module B74/BCONNECT



B-CONNECT WIFI MODULE

With B-Connect, you can program and manage everything remotely. Update firmware for Brushless control units, IPU, and PMC inverters, and monitor the system from anywhere—without cables and with maximum convenience.





SLIDING GATE

Roger Technology automations for sliding gates have been designed in different versions with a unique design. They have been studied based on the capacity of the different types of gate, covering a range of gates that starts from 400 kg up to over 2200 kg in weight.

The models are available with mechanical or magnetic limit switch, as shown in the tables.

PRODUCT LEGEND



Brushless Motor with Digital Technology designed, manufactured and assembled in Italy by Roger Technology



Precision 230V Asynchronous Motor, designed and manufactured in Italy by Roger Technology

MOTOR TYPE

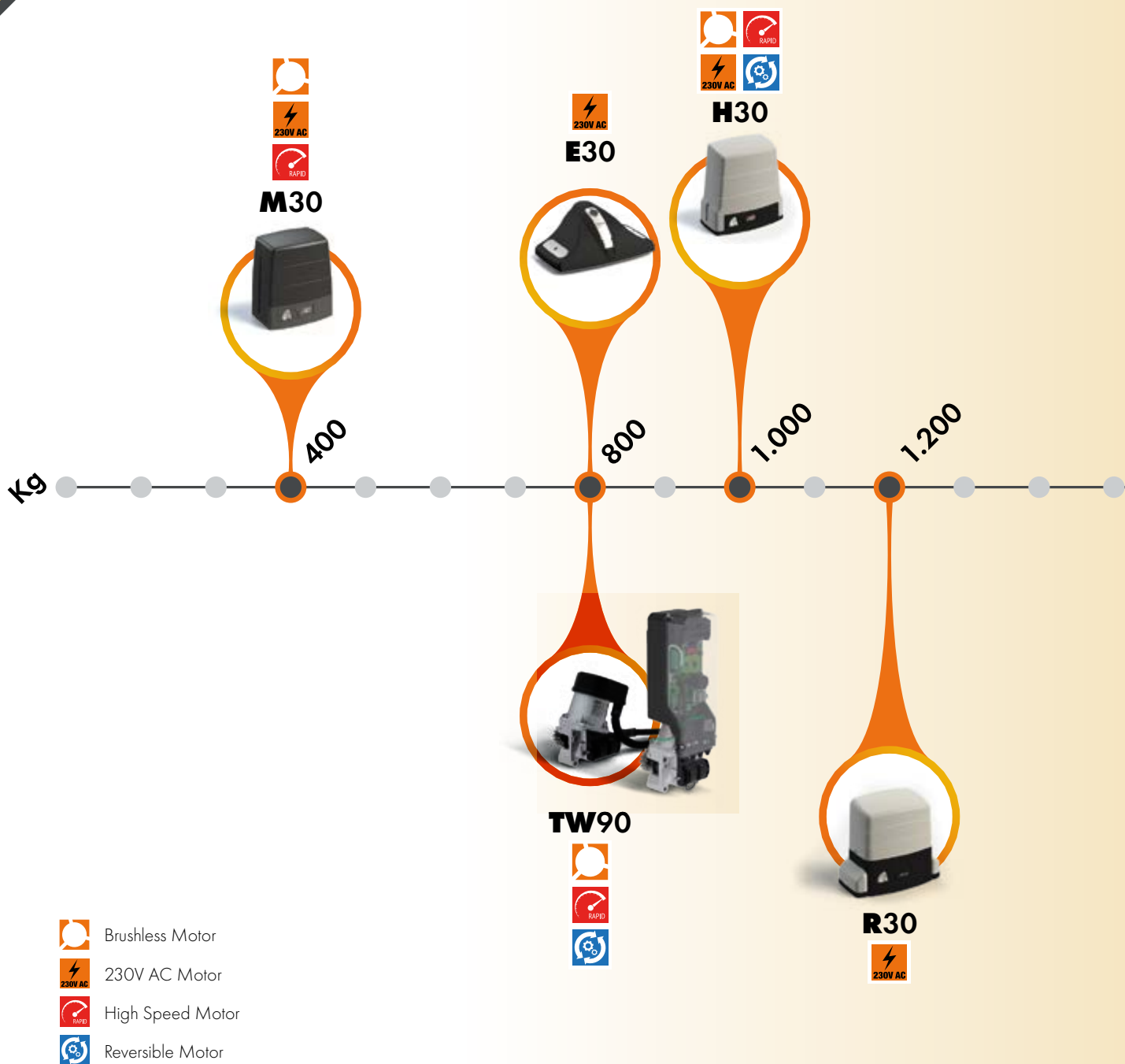
-  Brushless Motor
-  Standard Motor

PRIMARY ADVANTAGE

-  Intensive Use
-  Reversible Motor
-  High Speed Motor

BETTER USE

-  Residential Use
-  Commercial Use
-  Industrial Use
-  Parking





SLIDING GATE OVERVIEW

2.000

2.200



G30





PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BM30/303/HS	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sliding gates up to 400 kg with built-in digital controller B70 series, mechanical limit switch. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	44	882,00
BM30/303/HS/115	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sliding gates up to 400 kg with built-in digital controller B70 series, mechanical limit switch. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	44	882,00
BM30/304/HS	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sliding gates up to 400 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	908,00
KIT BM30/326/HS	KIT electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sliding gates up to 400 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1.090,00

FEATURES				
MODEL	BM30/303/HS	BM30/303/HS/115	BM30/304/HS	KIT BM30/326/HS
Max gate weight	400 kg	400 kg	400 kg	400 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	24V	24V	24V	24V
Power rating	125W	125W	125W	125W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	50 - 350N	50 - 350N	50 - 350N	50 - 350N
Operating temperature	-20 + 55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP44	IP44	IP44	IP44
Manoeuvre speed	26 m/min (0.44 m/s)	26 m/min (0.44 m/s)	26 m/min (0.44 m/s)	26 m/min (0.44 m/s)
Limit switch	Mechanical	Mechanical	Magnetic	Magnetic
Onboard control unit	B70/1DC	B70/1DC	B70/1DC	B70/1DC
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Type exit gear	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	500	500	500	500

[GO TO KIT](#)



[GO TO ACCESSORIES](#)



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BM30

UP TO 400 KG

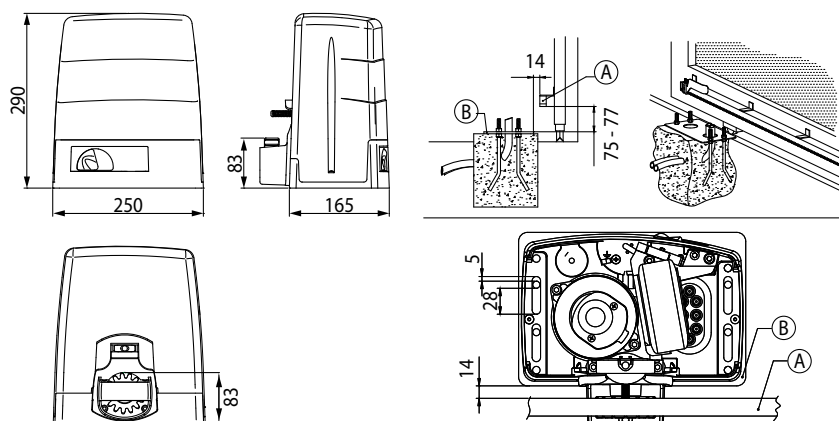
BRUSHLESS MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BM30/303/HS	BM30/303/HS/115	BM30/304/HS
KT220	Raised fixing plate for M30 series (+3 cm).	46,00 	√	√	√
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√	√	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√	√	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√	√	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√	√	√

DIMENSIONS IN MILLIMETERS



M30

UP TO 400 KG



TRADITIONAL MOTOR

ROGER
230V AC

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
M30/324	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 400 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	628,00
KIT M30/326	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 400 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	847,00

FEATURES		
MODEL	M30/324	KIT M30/326
Max gate weight	400 kg	400 kg
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W
Motor power supply	230V AC	230V AC
Power rating	210W	210W
Frequency of use	50%	50%
Thrust	250N	250N
Operating temperature	-20+55°C	-20+55°C
Protection level	IP44	IP44
Manoeuvre speed	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)
Motor thermal protection	150°C	150°C
Limit switch	Magnetic	Magnetic
Onboard control unit	H70/104AC	H70/104AC
Encoder	Optical	Optical
Type exit gear	Z15/mod 4	Z15/mod 4



M30

UP TO 400 KG

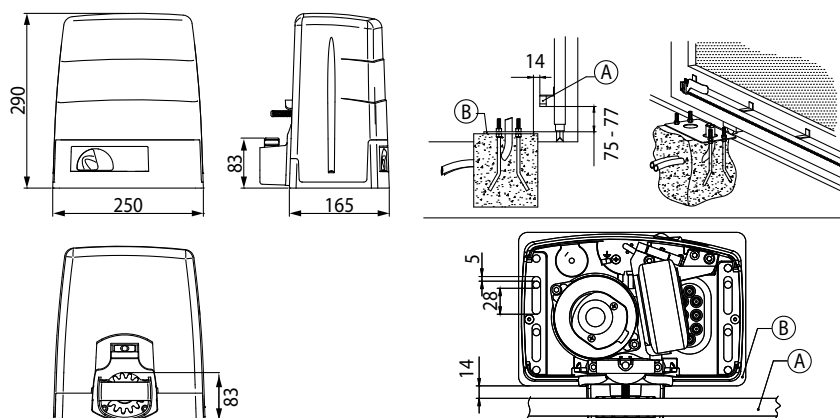
TRADITIONAL MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	M30/324
KT220	Raised fixing plate for M30 series (+3 cm).	46,00 	√
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√

DIMENSIONS IN MILLIMETERS



A = Rack
B = Fastening plate
(thickness 3mm)



KIT BM30

UP TO 400 KG

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BM30/326/HS	KIT electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sliding gates up to 400 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1090,00
KIT COMPOSITION			
N. 1 - BM30/304/HS	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sliding gates up to 400 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.		
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.		
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

KIT M30

UP TO 400 KG

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT M30/326	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 400 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	847,00
KIT COMPOSITION			
N. 1 - M30/324	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 400 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.		
N. 1 - H93/RX20/I	Plug-in receiver fixed code 2 channels 433,92 MHz (50 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

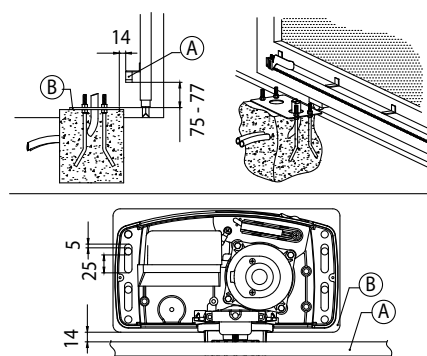
BH30

UP TO 600 KG



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BH30/603/HS 	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	44	1.026,00	
BH30/603/HS/115 	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	44	1.026,00	
BH30/604/HS 	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1.052,00	
KIT BH30/605/HS 	KIT electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	44	1.158,00	
KIT BH30/606/HS 	KIT electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1.160,00	



BH30

UP TO 600 KG

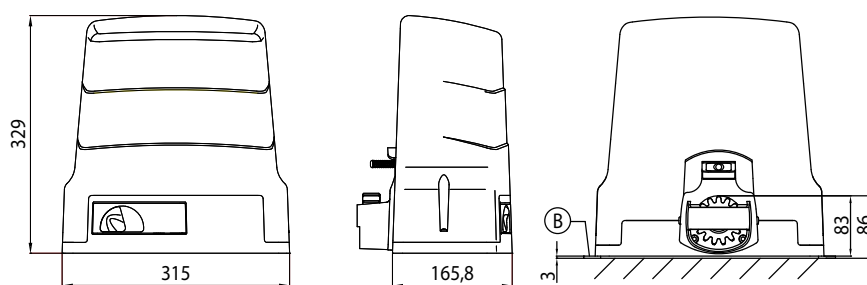
BRUSHLESS MOTOR



FEATURES					
MODEL	BH30/603/HS	BH30/603/HS/115	BH30/604/HS	KIT BH30/605/HS	KIT BH30/606/HS
Max gate weight	600 kg	600 kg	600 kg	600 kg	600 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	24V	24V	24V	24V	24V
Power rating	130W	130W	130W	130W	130W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	50 - 500N	50 - 500N	50 - 500N	50 - 500N	50 - 500N
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	26 m/min (0.4 m/s)	26 m/min (0.4 m/s)	26 m/min (0.4 m/s)	26 m/min (0.4 m/s)	26 m/min (0.4 m/s)
Limit switch	Mechanical	Mechanical	Magnetic	Mechanical	Magnetic
Onboard control unit	B70/1DC	B70/1DC	B70/1DC	B70/1DC	B70/1DC
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Batteries recovery	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH
Type exit gear	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	800	800	800

DIMENSIONS IN MILLIMETERS

A = Rack
B = Fastening plate
(thickness 3mm)



[GO TO KIT](#)

[GO TO ACCESSORIES](#)

[BACK TO INDEX](#)



OPTIONAL ACCESSORIES					
CODE	DESCRIPTION	PICTURE / PRICE EURO	BH30/603/HS	BH30/603/HS/115	BH30/604/HS
B71/BC	Batteries charger for Brushless digital controller B70/1DC - B70/1T.	95,00 	√	√	√
BT12V12	Battery 12V 1.2 Ah (1 pc).	49,00 	√	√	√
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00 	√	√	√
KT214/SA	Adapter plate complete with tie rods and screws for series H30.	79,00 	√	√	√
KT214/SC	Adapter plate complete with tie rods and screws for series H30.	79,00 	√	√	√
KT214/SF	Adapter plate complete with tie rods and screws for series H30.	97,00 	√	√	√
KT214/SN	Adapter plate complete with tie rods and screws for series H30.	92,00 	√	√	√
KT221	Raised fixing plate for H30 series (+3,5 cm).	49,00 	√	√	√

BH30

UP TO 600 KG

BRUSHLESS MOTOR

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BH30/603/HS	BH30/603/HS/115	BH30/604/HS
HT418	External box without batteries, for battery BT12V45 (12V DC 4,5 Ah).	75,00 	√	√	√
HT421	External box without batteries, for battery BT12V45 (4,5 Ah), BT12V70 (7 Ah) and BT12V120 (12 Ah), up to a maximum of 3 batteries.	237,00 	√	√	√
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√	√	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√	√	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√	√	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√	√	√
LT330	Kit for chain drive for BH30 - H30 series.	337,00 	√	√	√
LT334	1/2" X 5/16" 5 meter chain piece for LT330 complete with joint.	119,00 	√	√	√

BH30

UP TO 1.000 KG



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BH30/803	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	44	1.032,00	 
 				
BH30/803/115	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	44	1.032,00	 
 				
BH30/804	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1.059,00	 
 				
BH30/804/R	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, REVERSIBLE, ideal for sliding gates up to 800 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1.124,00	 
  				
KIT BH30/805	KIT electromechanical motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	44	1.210,00	 
 				
KIT BH30/870	KIT electromechanical motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	44	1.210,00	 
 				
KIT BH30/806	KIT electromechanical motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1.235,00	 
 				

BH30

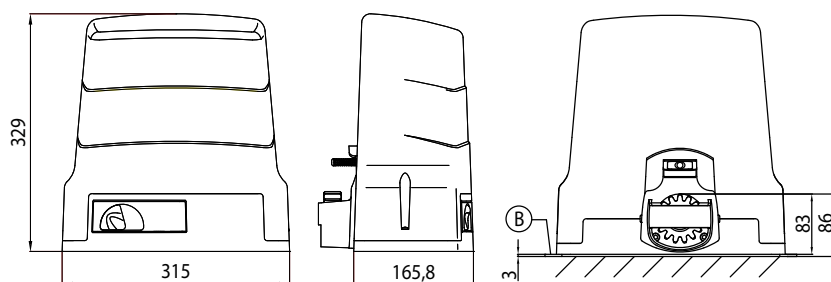
UP TO 1.000 KG

BRUSHLESS MOTOR

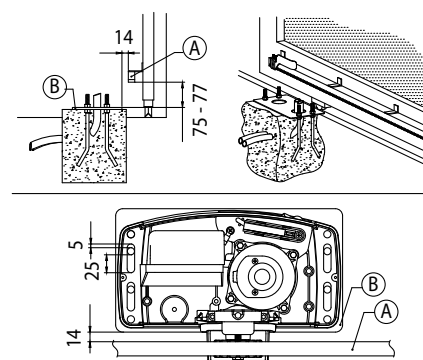
FEATURES

MODEL	BH30/803	BH30/803/115	BH30/804	BH30/804/R	KIT BH30/805	KIT BH30/870	KIT BH30/806
Max gate weight	1000 kg	1000 kg	1000 kg	800 kg	1000 kg	1000 kg	1000 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	24V	24V	24V	24V	24V	24V	24V
Power rating	200W	200W	200W	140W	200W	200W	200W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	50 - 1000N	50 - 1000N	50 - 1000N	60 - 600N	50 - 1000N	50 - 1000N	50 - 1000N
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	12 m/min (0.20 m/s)	12 m/min (0.20 m/s)	12 m/min (0.20 m/s)	18 m/min (0.30 m/s)	12 m/min (0.20 m/s)	12 m/min (0.20 m/s)	12 m/min (0.20 m/s)
Limit switch	Mechanical	Mechanical	Magnetic	Magnetic	Mechanical	Mechanical	Magnetic
Onboard control unit	B70/1DC	B70/1DC	B70/1DC	B70/1DC	B70/1DC	B70/1DC	B70/1DC
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Batteries recovery	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH	Optional 2 internal battery 12V 1,2AH - Optional 2 external battery 12V 4,5AH
Type exit gear	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	1300	1300	1300	1000	1300	1300	1300

DIMENSIONS IN MILLIMETERS



A = Rack
B = Fastening plate
(thickness 3mm)



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BH30/803	BH30/803/115	BH30/804	BH30/804/R
B71/BC	Batteries charger for Brushless digital controller B70/1DC - B70/1T.	95,00 	√	√	√	√
BT12V12	Battery 12V 1.2 Ah (1 pc).	49,00 	√	√	√	√
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00 	√	√	√	√
KT214/SA	Adapter plate complete with tie rods and screws for series H30.	79,00 	√	√	√	√
KT214/SC	Adapter plate complete with tie rods and screws for series H30.	79,00 	√	√	√	√
KT214/SF	Adapter plate complete with tie rods and screws for series H30.	97,00 	√	√	√	√
KT214/SN	Adapter plate complete with tie rods and screws for series H30.	92,00 	√	√	√	√
KT221	Raised fixing plate for H30 series (+3,5 cm).	49,00 	√	√	√	√

BH30

UP TO 1.000 KG

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES						
CODE	DESCRIPTION	PICTURE / PRICE EURO	BH30/803	BH30/803/115	BH30/804	BH30/804/R
HT418	External box without batteries, for battery BT12V45 (12V DC 4,5 Ah).	75,00 	√	√	√	√
HT421	External box without batteries, for battery BT12V45 (4,5 Ah), BT12V70 (7 Ah) and BT12V120 (12 Ah), up to a maximum of 3 batteries.	237,00 	√	√	√	√
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√	√	√	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√	√	√	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√	√	√	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√	√	√	√
LT330	Kit for chain drive for BH30 - H30 series.	337,00 	√	√	√	√
LT334	1/2" X 5/16" 5 meter chain piece for LT330 complete with joint.	119,00 	√	√	√	√

H30

UP TO 600 KG



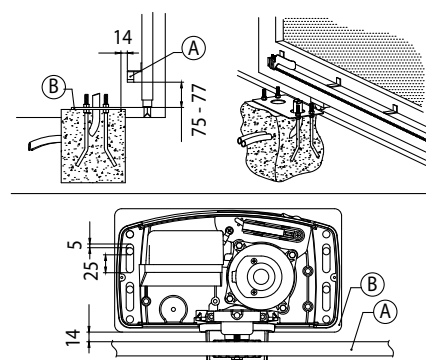
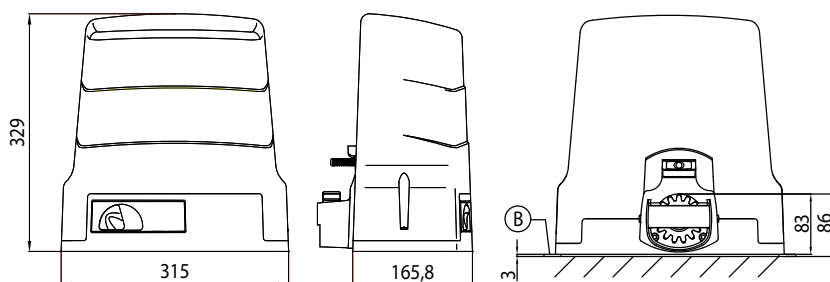
TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H30/643 	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.	44	743,00
H30/644 	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	753,00
KIT H30/645 	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.	44	914,00
KIT H30/646 	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	934,00

FEATURES				
MODEL	H30/643	H30/644	KIT H30/645	KIT H30/646
Max gate weight	600 kg	600 kg	600 kg	600 kg
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	230V AC	230V AC	230V AC	230V AC
Power rating	240W	240W	240W	240W
Frequency of use	50%	50%	50%	50%
Thrust	300N	300N	300N	300N
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP44	IP44	IP44	IP44
Manoeuvre speed	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)
Motor thermal protection	150 °C	150 °C	150 °C	150 °C
Limit switch	Mechanical	Magnetic	Mechanical	Magnetic
Onboard control unit	H70/104AC	H70/104AC	H70/104AC	H70/104AC
Encoder	Optical	Optical	Optical	Optical
Type exit gear	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4

DIMENSIONS IN MILLIMETERS



A = Rack
B = Fastening plate
(thickness 3mm)



H30

UP TO 600 KG

TRADITIONAL MOTOR



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		H30/643 H30/644
KT214/SA	Adapter plate complete with tie rods and screws for series H30.	79,00		√ √
KT214/SC	Adapter plate complete with tie rods and screws for series H30.	79,00		√ √
KT214/SF	Adapter plate complete with tie rods and screws for series H30.	97,00		√ √
KT214/SN	Adapter plate complete with tie rods and screws for series H30.	92,00		√ √
KT221	Raised fixing plate for H30 series (+3,5 cm).	49,00		√ √
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00		√ √
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00		√ √
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00		√ √
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00		√ √
LT330	Kit for chain drive for BH30 - H30 series.	337,00		√ √
LT334	1/2" X 5/16" 5 meter chain piece for LT330 complete with joint.	119,00		√ √

[GO TO KIT](#)



[GO TO ACCESSORIES](#)



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KIT BH30

UP TO 600 KG



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BH30/605/HS	KIT electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	44	1158,00

KIT COMPOSITION

N. 1 - BH30/603/HS	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BH30/606/HS	KIT electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1160,00

KIT COMPOSITION

N. 1 - BH30/604/HS	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".

KIT BH30

UP TO 1.000 KG



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BH30/805	KIT electromechanical motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	44	1210,00

KIT COMPOSITION

N. 1 - BH30/803	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BH30/806	KIT electromechanical motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	44	1235,00

KIT COMPOSITION

N. 1 - BH30/804	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".

KIT BH30

UP TO 1.000 KG

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BH30/870	KIT electromechanical motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	44	1210,00

KIT COMPOSITION

N. 1 - BH30/803/115	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series, mechanical limit switch. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".

KIT H30

UP TO 600 KG

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT H30/645	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.	44	914,00

KIT COMPOSITION

N. 1 - H30/643	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F2ES	Pair of external photocells synchronized.
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT H30/646	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	934,00

KIT COMPOSITION

N. 1 - H30/644	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 600 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F2ES	Pair of external photocells synchronized.
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".



R30

UP TO 1.200 KG



TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
R30/803 	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.	44	898,00
R30/804 	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	919,00
R30/1204 	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 1200 kg, with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	966,00
KIT R30/805 	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.	44	1.069,00
KIT R30/806 	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	1.089,00

FEATURES					
MODEL	R30/803	R30/804	R30/1204	KIT R30/805	KIT R30/806
Max gate weight	800 kg	800 kg	1200 kg	800 kg	800 kg
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	230V AC	230V AC	230V AC	230V AC	230V AC
Power rating	350W	350W	420W	350W	350W
Frequency of use	50%	50%	50%	50%	50%
Thrust	500N	500N	800N	500N	500N
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)
Motor thermal protection	150°C	150°C	150°C	150°C	150°C
Limit switch	Mechanical	Magnetic	Magnetic	Mechanical	Magnetic
Onboard control unit	H70/104AC	H70/104AC	H70/104AC	H70/104AC	H70/104AC
Encoder	Optical	Optical	Optical	Optical	Optical
Type exit gear	Z17/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4



R30

UP TO 1.200 KG

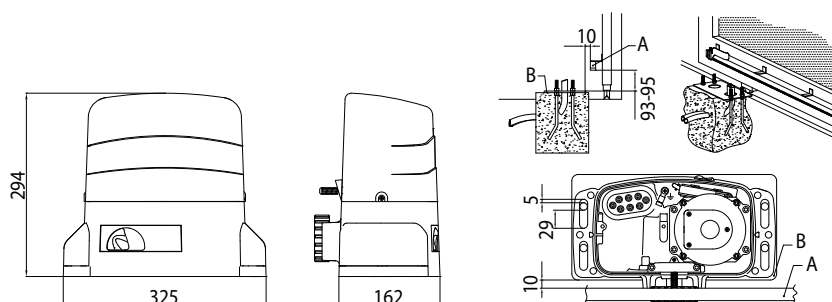
TRADITIONAL MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R30/803	R30/804	R30/1204
KT211	Pair of side angles bars complete with screws.	28,00 	√	√	√
KT212	Raised fixing plate for R30 series (+3,5 cm).	51,00 	√	√	√
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√	√	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√	√	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√	√	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√	√	√
LT328	Pinion Z17 mod. 4 increased thickness H.38 for series BG30 - G30 - TW110 - R30 - E30 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	106,00 	√	√	√

DIMENSIONS IN MILLIMETERS



A = Rack
B = Fastening plate
(thickness 3mm)

SLIDING GATES MOTOR



KIT R30

UP TO 800 KG

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT R30/805	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.	44	1069,00
KIT COMPOSITION			
N. 1 - R30/803	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and mechanical limit switch.		
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

KIT R30

UP TO 800 KG

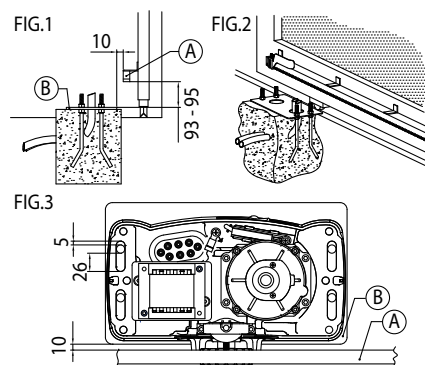
TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT R30/806	KIT electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	44	1089,00
KIT COMPOSITION			
N. 1 - R30/804	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.		
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BG30/803/HS	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 800 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board.	30	1.504,00
BG30/803/HS/115	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 800 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.504,00
BG30/804/HS	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 800 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	30	1.514,00
BG30/1003/HS/115	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.517,00
BG30/1004/HS	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive used, with native encoder on-board, irreversible, ideal for sliding gates up to 1000 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	30	1.486,00
BG30/1404/R	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, REVERSIBLE, ideal for sliding gates up to 1400 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	30	1.603,00



A = Rack
B = Fastening plate
(thickness 3mm)

BG30

UP TO 1.4000 KG

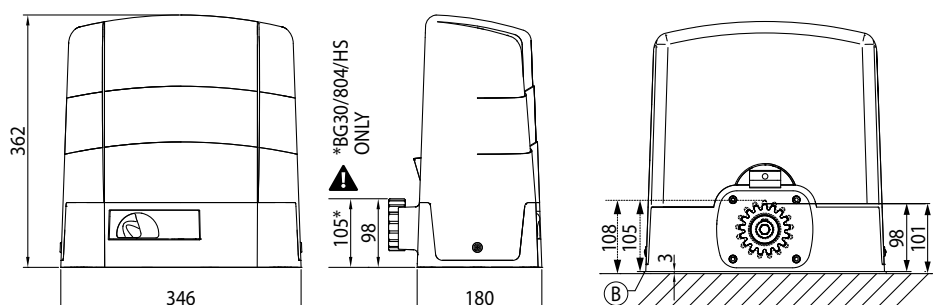
BRUSHLESS MOTOR



FEATURES

MODEL	BG30/803/HS	BG30/803/HS/115	BG30/804/HS	BG30/1003/HS/115	BG30/1004/HS	BG30/1404/R
Max gate weight	800 kg	800 kg	800 kg	1000 kg	1000 kg	1400 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	36V	36V	36V	36V	36V	36V
Power rating	490W	490W	490W	590W	590W	540W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	50 - 650N	50 - 650N	50 - 650N	50 - 800N	50 - 800N	50 - 600N
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP44	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	30 m/min (0.5 m/s)	30 m/min (0.5 m/s)	30 m/min (0.5 m/s)	20 m/min (0.33 m/s)	20 m/min (0.33 m/s)	17 m/min (0.28 m/s)
Limit switch	Mechanical	Mechanical	Magnetic	Mechanical	Magnetic	Magnetic
Onboard control unit	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Batteries recovery	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH
Type exit gear	Z20/mod 4	Z20/mod 4	Z20/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	800	800	800	800

DIMENSIONS IN MILLIMETERS



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OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BG30/803/HS	BG30/803/HS/115	BG30/804/HS	BG30/1003/HS/115	BG30/1004/HS	BG30/1404/R
B71/BCHP/EXT	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Box case included.	309,00 	✓	✓	✓	✓	✓	✓
B71/BCHP/BOX	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC. Box case included, without recovery batteries.	146,00 	✓	✓	✓	✓	✓	✓
KT222	Raised fixing plate for G30 series (+3,5 cm).	52,00 	✓	✓	✓	✓	✓	✓
HT421	External box without batteries, for battery BT12V45 (4,5 Ah), BT12V70 (7 Ah) and BT12V120 (12 Ah), up to a maximum of 3 batteries.	237,00 	✓	✓	✓	✓	✓	✓
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	✓	✓	✓	✓	✓	✓
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	✓	✓	✓	✓	✓	✓
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	✓	✓	✓	✓	✓	✓
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	✓	✓	✓	✓	✓	✓

BG30

UP TO 1.400 KG

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES						
CODE	DESCRIPTION	PICTURE / PRICE EURO	BG30/803/HS	BG30/803/HS/115	BG30/804/HS	BG30/1003/HS/115 BG30/1004/HS BG30/1404/R
GA558	Roger Technology nylon rack module 6 to 6 connectors, L1000.	63,00 				√ √ √
LT328	Pinion Z17 mod. 4 increased thickness H.38 for series BG30 - G30 - TW110 - R30 - E30 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	106,00 				√ √ √
LT331	Pinion Z11 mod. 6, only for series BG30 - G30 - TW110 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	118,00 				√ √ √
MC783	Pair of increased magnets for magnetic limit switch, only for GA558.	72,00 				√ √ √

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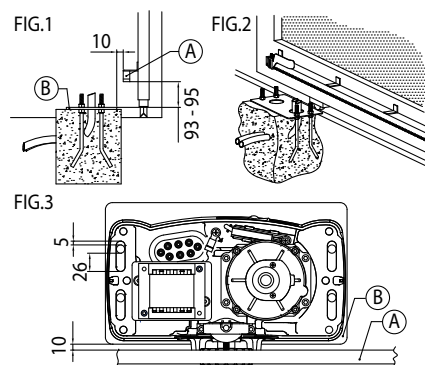


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PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BG30/1504/HS	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1500 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	30	1.651,00
BG30/1504/HS/115	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1500 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.651,00
BG30/1604	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1600 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	30	1.502,00
BG30/1804/HS	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1800 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	30	1.788,00
BG30/1804/HS/115	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 1800 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.788,00
BG30/2203/115	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 2200 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and mechanical limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.625,00
BG30/2204	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 2200 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board.	30	1.651,00
BG30/2204/115	Electromechanical motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for sliding gates up to 2200 kg with built-in digital controller B70 series. Complete with fixing plate with tie rods and magnetic limit switch. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.651,00



A = Rack
B = Fastening plate
(thickness 3mm)

BG30

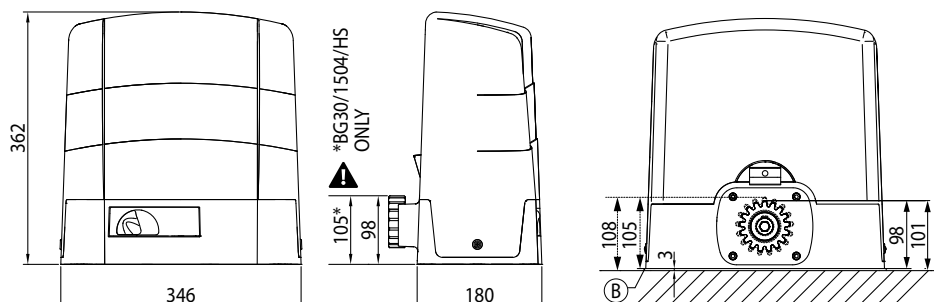
UP TO 2.200 KG

BRUSHLESS MOTOR



FEATURES								
MODEL	BG30/1504/HS	BG30/1504/HS/115	BG30/1604	BG30/1804/HS	BG30/1804/HS/115	BG30/2203/115	BG30/2204	BG30/2204/115
Max gate weight	1500 kg	1500 kg	1600 kg	1800 kg	1800 kg	2200 kg	2200 kg	2200 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	230V AC - 50Hz	115V AC - 60Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	36V	36V	36V	36V	36V	36V	36V	36V
Power rating	650W	650W	390W	650W	650W	470W	470W	470W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	50 - 1000N	50 - 1000N	50 - 1200N	50 - 1250N	50 - 1250N	50 - 1700N	50 - 1700N	50 - 1700N
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP44	IP44	IP44	IP44	IP44	IP43	IP44	IP44
Manoeuvre speed	25 m/min (0.42 m/s)	25 m/min (0.42 m/s)	12 m/min (0.20 m/s)	18 m/min (0.30 m/s)	18 m/min (0.30 m/s)	12 m/min (0.16 m/s)	12 m/min (0.16 m/s)	12 m/min (0.16 m/s)
Limit switch	Magnetic	Magnetic	Magnetic	Magnetic	Magnetic	Mechanical	Magnetic	Magnetic
Onboard control unit	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP	B70/1DCHP
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Batteries recovery	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH
Type exit gear	Z20/mod 4	Z20/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	1000	800	800	1000	1000	1000

DIMENSIONS IN MILLIMETERS



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OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BG30/1504/HS	BG30/1504/HS/115	BG30/1604	BG30/1804/HS	BG30/1804/HS/115	BG30/2203/115	BG30/2204	BG30/2204/115
B71/BCHP/EXT	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Box case included.	309,00 	✓	✓	✓	✓	✓	✓	✓	✓
B71/BCHP/BOX	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC. Box case included, without recovery batteries.	146,00 	✓	✓	✓	✓	✓	✓	✓	✓
KT222	Raised fixing plate for G30 series (+3,5 cm).	52,00 	✓	✓	✓	✓	✓	✓	✓	✓
HT421	External box without batteries, for battery BT12V45 (4,5 Ah), BT12V70 (7 Ah) and BT12V120 (12 Ah), up to a maximum of 3 batteries.	237,00 	✓	✓	✓	✓	✓	✓	✓	✓
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	✓	✓	✓	✓	✓	✓	✓	✓
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers 28,00 and screws.	28,00 	✓	✓	✓	✓	✓	✓	✓	✓
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	✓	✓	✓	✓	✓	✓	✓	✓
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	✓	✓	✓	✓	✓	✓	✓	✓

BG30

UP TO 2.200 KG

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES								
CODE	DESCRIPTION	PICTURE / PRICE EURO	BG30/1504/HS	BG30/1504/HS/115	BG30/1604	BG30/1804/HS	BG30/1804/HS/115	BG30/2203/115
GA558	Roger Technology nylon rack module 6 to 6 connectors, L1000.	63,00 			✓	✓	✓	✓
LT328	Pinion Z17 mod. 4 increased thickness H.38 for series BG30 - G30 - TW110 - R30 - E30 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	106,00 			✓	✓	✓	✓
LT331	Pinion Z11 mod. 6, only for series BG30 - G30 - TW110 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	118,00 			✓	✓	✓	✓
MC783	Pair of increased magnets for magnetic limit switch, only for GA558.	72,00 			✓	✓	✓	✓

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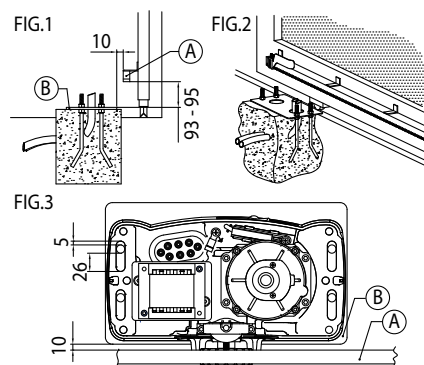




PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
G30/1804	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 1800 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	30	1.131,00	 
G30/2204	Electromechanical motor 230V AC, irreversible, ideal for sliding gates up to 2200 kg with built-in control unit H70 and optical encoder. Complete with fixing plate with tie rods and magnetic limit switch.	30	1.231,00	 

FEATURES

MODEL	G30/1804	G30/2204
Max gate weight	1800 kg	2200 kg
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W
Motor power supply	230V AC	230V AC
Power rating	520W	580W
Frequency of use	50%	50%
Thrust	1200N	1500N
Operating temperature	-20+55 °C	-20+55 °C
Protection level	IP44	IP44
Manoeuvre speed	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)
Motor thermal protection	150 °C	150 °C
Limit switch	Magnetic	Magnetic
Onboard control unit	H70/104AC	H70/104AC
Encoder	Optical	Optical
Type exit gear	Z17/mod 4	Z17/mod 4

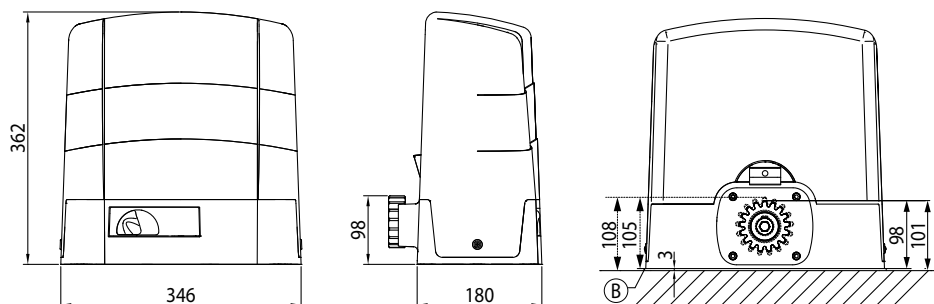


A = Rack
B = Fastening plate
(thickness 3mm)

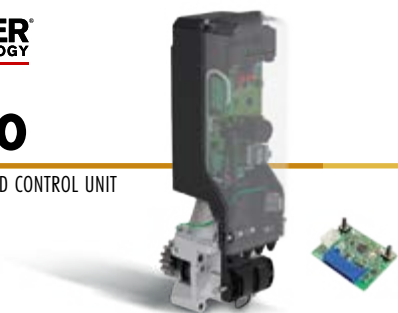
OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	G30/1804 G30/2204
KT222	Raised fixing plate for G30 series (+3,5 cm).	52,00 	√ √
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√ √
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√ √
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√ √
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√ √
LT328	Pinion Z17 mod. 4 increased thickness H.38 for series BG30 - G30 - TW110 - R30 - E30 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	106,00 	√ √
LT331	Pinion Z11 mod. 6, only for series BG30 - G30 - TW110 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	118,00 	√ √

DIMENSIONS IN MILLIMETERS


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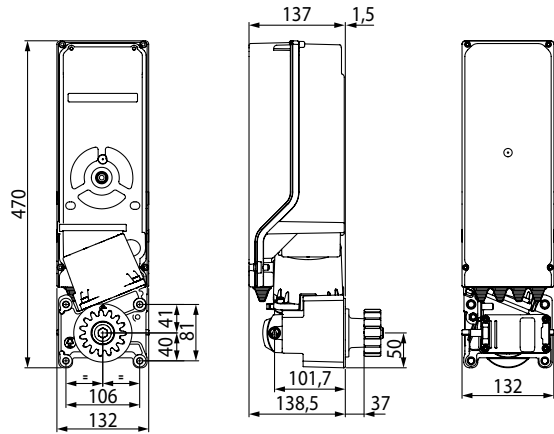
PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
TW90/600/HS 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 600 kg with built-in digital controller B70 series. With 2-channel radio receiver installed on board.	50	1.046,00	
TW90/600/HS/115 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible ideal for sliding gates up to 600 kg with built-in digital controller B70 series. With 2-channel radio receiver installed on board. 115V line power supply.	50	1.046,00	
TW90/800 	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 800 kg with built-in digital controller B70 series. With 2-channel radio receiver installed on board.	50	1.051,00	
TW90/800/115 	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible ideal for sliding gates up to 800 kg with built-in digital controller B70 series. With 2-channel radio receiver installed on board. 115V line power supply.	50	1.051,00	
TW90/800/R 	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, REVERSIBLE, ideal for sliding gates up to 800 kg with built-in digital controller B70 series. With 2-channel radio receiver installed on board.	50	1.116,00	

FEATURES					
MODEL	TW90/600/HS	TW90/600/HS/115	TW90/800	TW90/800/115	TW90/800/R
Max gate weight	600 kg	600 kg	800 kg	800 kg	800 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	24V	24V	24V	24V	24V
Power rating	180W	180W	180W	180W	130W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	250N	250N	385N	385N	270N
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	25 m/min (0.42 m/s)	25 m/min (0.42 m/s)	12.3 m/min (0.2 m/s)	12.3 m/min (0.2 m/s)	18 m/min (0.3 m/s)
Limit switch	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional
Onboard control unit	B70/1T	B70/1T	B70/1T	B70/1T	B70/1T
Encoder	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR
Batteries recovery	Optional 2 internal battery 12V 1,2AH	Optional 2 internal battery 12V 1,2AH	Optional 2 internal battery 12V 1,2AH	Optional 2 internal battery 12V 1,2AH	Optional 2 internal battery 12V 1,2AH
Type exit gear	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	1000	1000	800

TW90

WITH INTEGRATED CONTROL UNIT

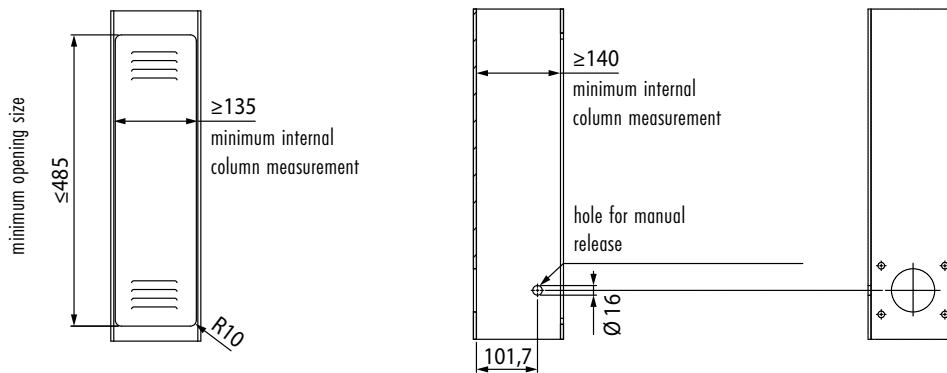
BRUSHLESS MOTOR



FRONTAL VIEW

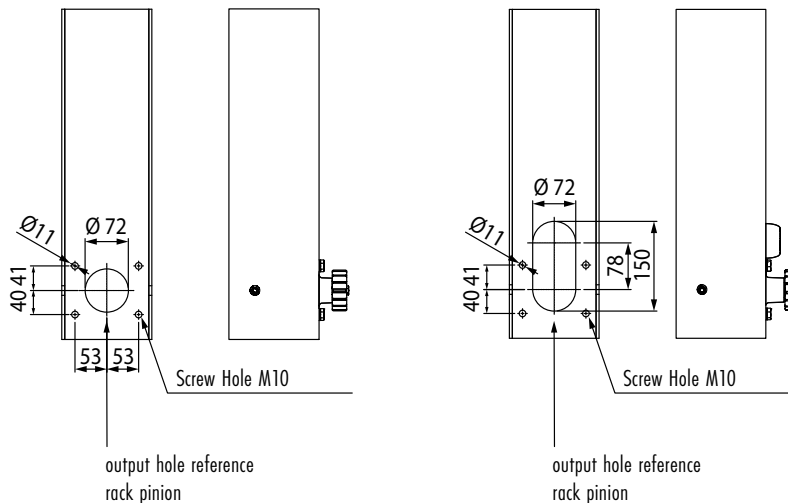
LATERAL VIEW

BACK VIEW



WITHOUT LIMIT SWITCH
Predisposition For Mounting
The Motor To The Wall

WITH LIMIT SWITCH
Predisposition For Mounting
The Motor To The Wall



DIMENSIONS IN MILLIMETERS

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OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	TW90/600/HS	TW90/600/HS/115	TW90/800	TW90/800/115	TW90/800/R
B71/BC	Batteries charger for Brushless digital controller B70/1DC - B70/1T.	95,00 	√	√	√	√	√
BT12V12	Battery 12V 1.2 Ah (1 pc).	49,00 	√	√	√	√	√
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√	√	√	√	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√	√	√	√	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√	√	√	√	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√	√	√	√	√

TW90

WITH INTEGRATED CONTROL UNIT

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	TW90/600/HS	TW90/600/HS/115	TW90/800	TW90/800/115	TW90/800/R
MC784	Magnetic limit switch for TW90 with integrated control unit.	38,00 	√	√	√	√	√
MC785	Kit magnetic limit switch and brackets for TW90 with integrated control unit.	65,00 	√	√	√	√	√
RL675	Extension for release shaft TW90.	25,00 	√	√	√	√	√
RL676	Internal release key for installation without hole on TW90 column.	20,00 	√	√	√	√	√

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PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
TW90/620/HS	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 600 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board.	30	1.116,00	
TW90/620/HS/115	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 600 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.116,00	
TW90/820	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 800 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board.	30	1.121,00	
TW90/820/115	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 800 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.121,00	
TW90/820/R	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, REVERSIBLE, ideal for sliding gates up to 800 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board.	30	1.176,00	

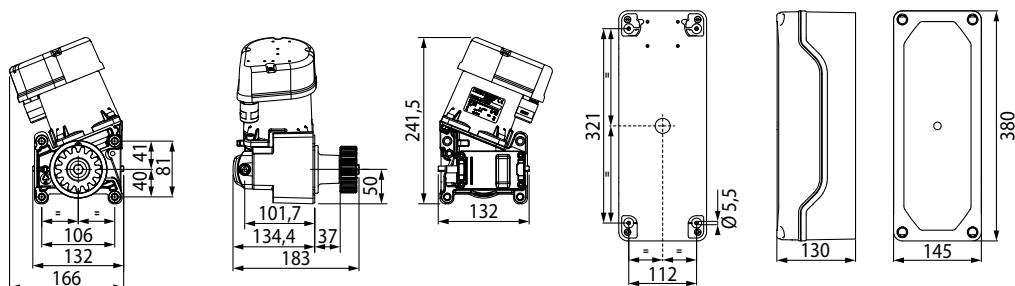
FEATURES					
MODEL	TW90/620/HS	TW90/620/HS/115	TW90/820	TW90/820/115	TW90/820/R
Max gate weight	600 kg	600 kg	800 kg	800 kg	800 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	24V	24V	24V	24V	24V
Power rating	180W	180W	180W	180W	180W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	250N	250N	385N	385N	270N
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	25 m/min (0.42 m/s)	25 m/min (0.42 m/s)	12.3 m/min (0.2 m/s)	12.3 m/min (0.2 m/s)	18 m/min (0.30 m/s)
Limit switch	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional
Onboard control unit	B70/1T	B70/1T	B70/1T	B70/1T	B70/1T
Encoder	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR
Type exit gear	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4	Z15/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	1000	1000	800

TW90

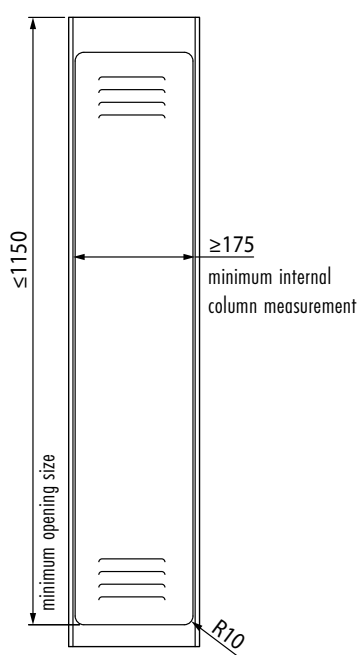
WITH SEPARATE CONTROL UNIT

BRUSHLESS MOTOR

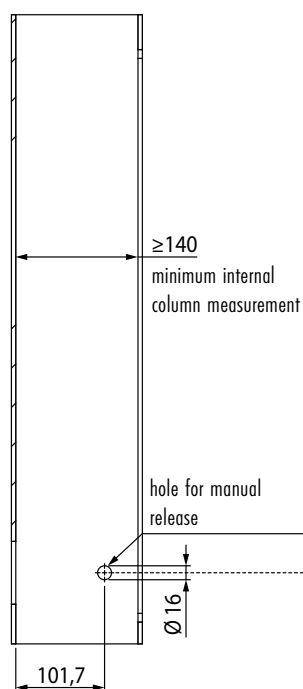
ROGER
BRUSHLESS



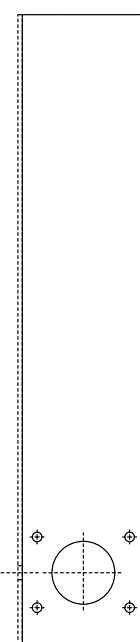
FRONTAL VIEW



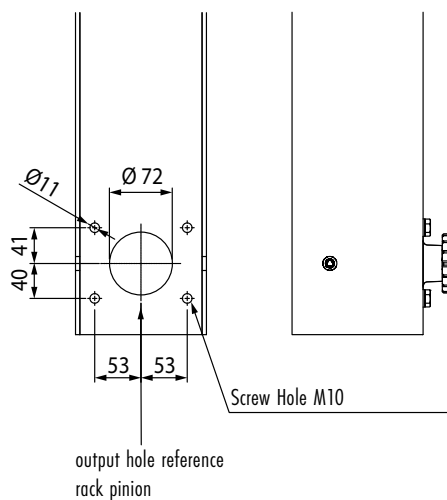
LATERAL VIEW



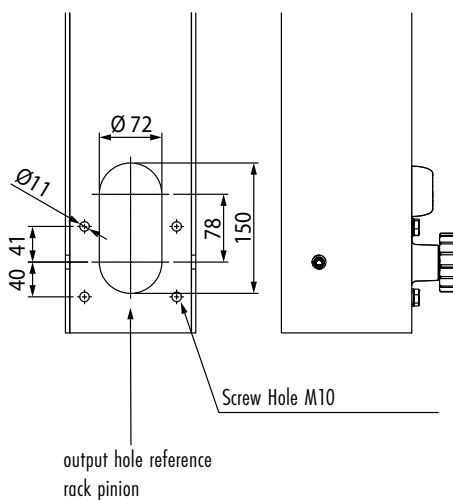
BACK VIEW



WITHOUT LIMIT SWITCH
Predisposition For Mounting
The Motor To The Wall



WITH LIMIT SWITCH
Predisposition For Mounting
The Motor To The Wall



DIMENSIONS IN MILLIMETERS

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OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	TW90/620/HS	TW90/620/HS/115	TW90/820	TW90/820/115	TW90/820/R
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√	√	√	√	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√	√	√	√	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√	√	√	√	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√	√	√	√	√
MC788	Magnetic limit switch for TW90 with separate box control unit.	40,00 	√	√	√	√	√
MC789	Kit magnetic limit switch and brackets for TW90 with separate box control unit.	67,00 	√	√	√	√	√

TW90

WITH SEPARATE CONTROL UNIT

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	TW90/620/HS	TW90/620/HS/115	TW90/820	TW90/820/115	TW90/820/R
RL675	Extension for release shaft TW90.	25,00 	√	√	√	√	√
RL676	Internal release key for installation without hole on TW90 column.	20,00 	√	√	√	√	√

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TW110

UP TO 2.000 KG



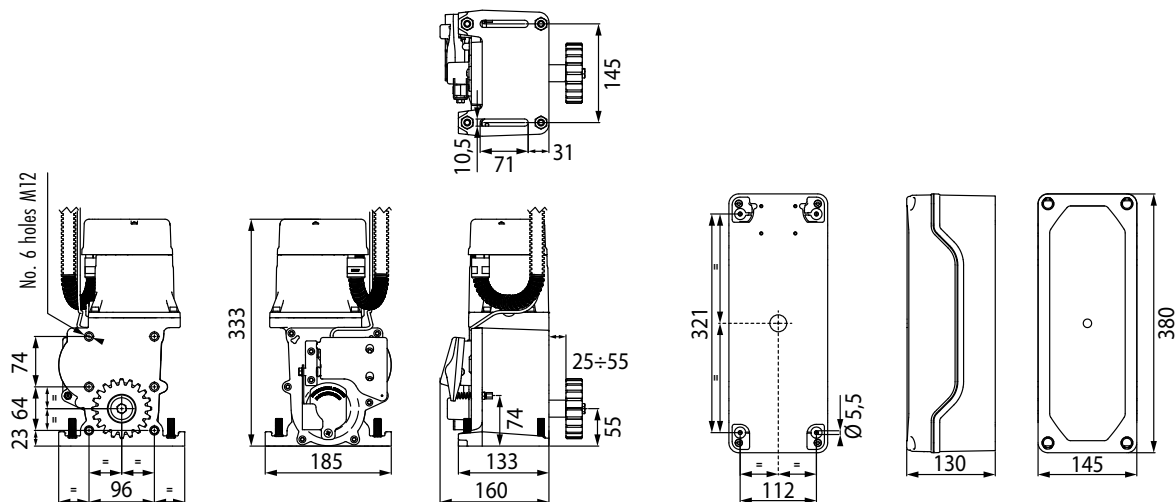
BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/ BOX	PRICE EURO	
TW110/1000/HS 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 1000 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board.	30	1.571,00	
TW110/1000/HS/115 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 1000 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.571,00	
TW110/1200/R 	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, REVERSIBLE, ideal for sliding gates up to 1200 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board.	30	1.672,00	
TW110/1600/HS 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 1600 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board.	30	1.773,00	
TW110/1600/HS/115 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 1600 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.773,00	
TW110/2000 	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 2000 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board.	30	1.722,00	
TW110/2000/115 	Electromechanical motor BRUSHLESS low voltage, super intensive use, with SENSORED digital magnetic encoder at 4096 PPR, irreversible, ideal for sliding gates up to 2000 kg with digital controller in pre-wired external plastic box series B70. With 2-channel radio receiver installed on board. 115V line power supply.	30	1.722,00	

TW110

UP TO 2.000 KG

BRUSHLESS MOTOR

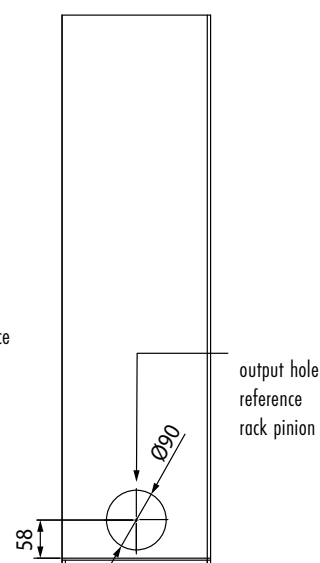
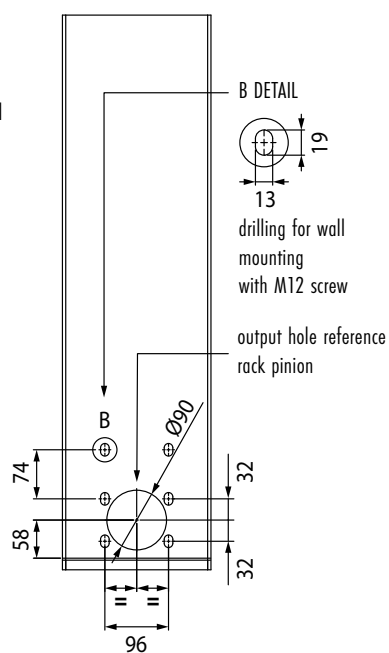
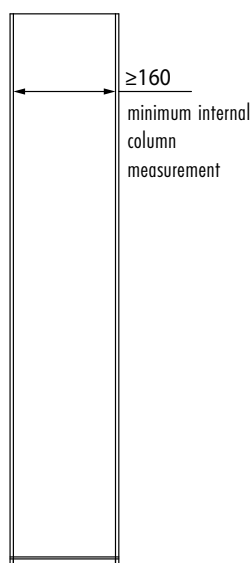
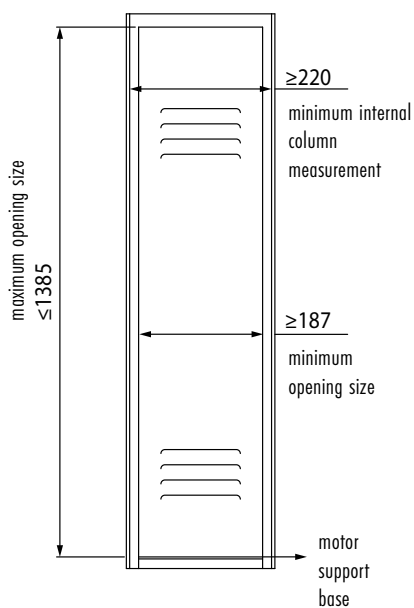


FRONTAL VIEW

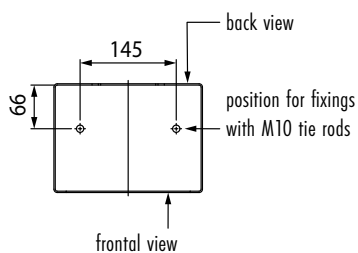
LATERAL VIEW

MOUNTING THE MOTOR
TO THE WALL

MOUNTING THE MOTOR
TO THE BASE



DIMENSIONS IN MILLIMETERS



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FEATURES							
MODEL	TW110/1000/HS	TW110/1000/HS/115	TW110/1200/R	TW110/1600/HS	TW110/1600/HS/115	TW110/2000	TW110/2000/115
Max gate weight	1000 kg	1000 kg	1200 kg	1600 kg	1600 kg	2000 kg	2000 kg
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	36V	36V	36V	36V	36V	36V	36V
Power rating	240W	240W	240W	240W	240W	240W	240W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	270N	270N	300N	380N	380N	570N	570N
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP44	IP44	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	25 m/min (0.42 m/s)	25 m/min (0.42 m/s)	17 m/min (0.28 m/s)	21 m/min (0.35 m/s)	21 m/min (0.35 m/s)	12 m/min (0.16 m/s)	12 m/min (0.16 m/s)
Limit switch	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional	Without limit switches - optional
Onboard control unit	B70/1THP	B70/1THP	B70/1THP	B70/1THP	B70/1THP	B70/1THP	B70/1THP
Encoder	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR
Batteries recovery	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH	Optional 2 external battery 12V 4,5AH
Type exit gear	Z20/mod 4	Z20/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4	Z17/mod 4
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	800	800	800	1000	1000

TW90



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	TW110/1000/HS	TW110/1000/HS/115	TW110/1200/R	TW110/1600/HS	TW110/1600/HS/115	TW110/2000	TW110/2000/115
B71/BCHP/EXT	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Box case included.	309,00 	√	√	√	√	√	√	√
B71/BCHP/BOX	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC. Box case included, without recovery batteries.	146,00 	√	√	√	√	√	√	√
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√	√	√	√	√	√	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√	√	√	√	√	√	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√	√	√	√	√	√	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√	√	√	√	√	√	√
GA558	Roger Technology nylon rack module 6 to 6 connectors, L.1000.	63,00 			√	√	√	√	√

TW110

UP TO 2.000 KG

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	TW110/1000/HS	TW110/1000/HS/115	TW110/1200/R	TW110/1600/HS	TW110/1600/HS/115	TW110/2000	TW110/2000/115
LT328	Pinion Z17 mod. 4 increased thickness H.38 for series BG30 - G30 - TW110 - R30 - E30 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	106,00 			√	√	√	√	√
LT331	Pinion Z11 mod. 6, only for series BG30 - G30 - TW110 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	118,00 			√	√	√	√	√
MC783	Pair of increased magnets for magnetic limit switch, only for GA558.	72,00 			√	√	√	√	√
MC786	NORD-SOUTH magnetic limit switches for TW110.	103,00 	√	√	√	√	√	√	√
MC787	NORD-SOUTH magnetic limit switch kit and brackets for TW110.	130,00 	√	√	√	√	√	√	√
RL671	Metallic wire length 3 m for external release.	27,00 	√	√	√	√	√	√	√

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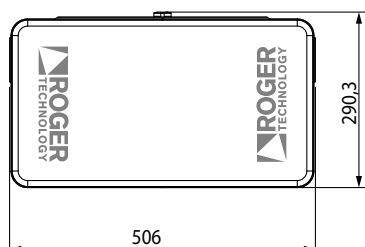
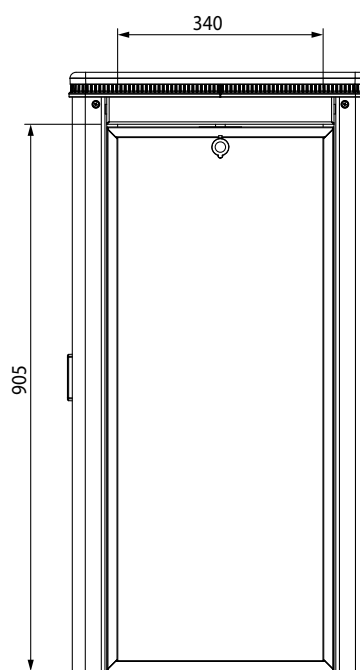
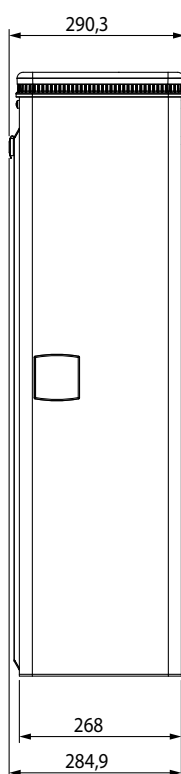
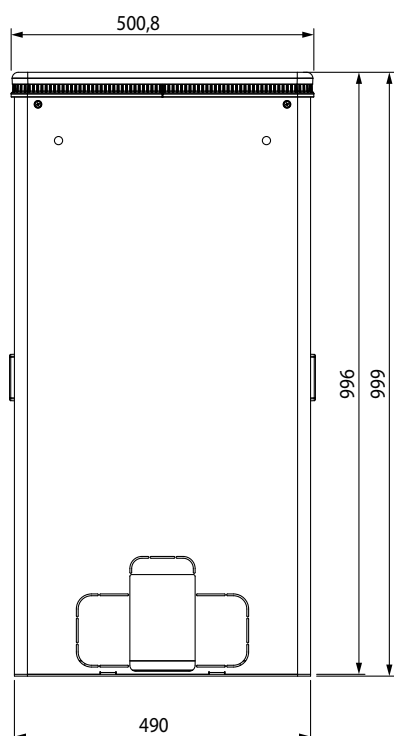


CAXON

USEFUL FOR SLIDING GATE

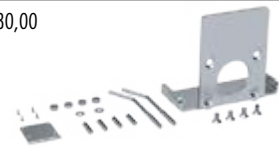


PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
CAXON/9006	Cabinet painted RAL9006 for sliding motors.	6	1.350,00
CAXON/GALV	Galvanised cabinet ready to be painted for sliding motors.	6	1.250,00



CAXON

USEFUL FOR SLIDING GATE

OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO	CAXON/9006	CAXON/GALV
KT254	Fixing plate kit with tie rods and accessories for TW90 on CAXON series installation.	130,00 	√	√
KT255	Fixing rod kit and accessories for TW110 on CAXON series installation.	23,00 	√	√
CAXON/LED	White LED strip with connection cable for CAXON series header.	60,00 	√	√
KT253	DIN rail kit with magnetic holders for CAXON series.	30,00 	√	√

DIMENSIONS IN MILLIMETERS

E30

UP TO 800 KG



TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
E30/800	Electromechanical underground motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with magnetic limit switch, magnetic encoder, without control unit. Complete with cold galvanised steel foundation box.	24	984,00	 
				
SET E30/800	SET electromechanical underground motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with magnetic limit switch, magnetic encoder and control unit H70/105AC/BOX in plastic box. With cold galvanised steel foundation box.		1.211,00	 
				

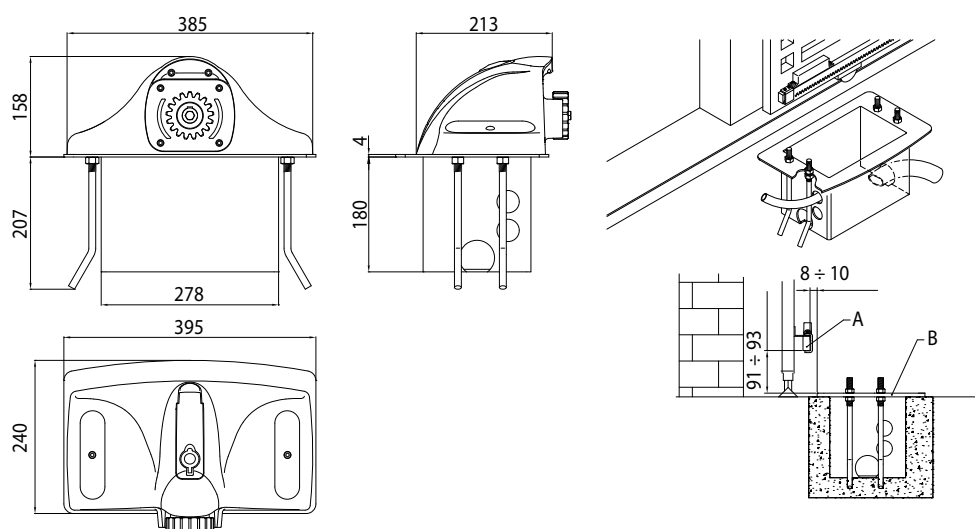
FEATURES		
MODEL	E30/800	SET E30/800
Max gate weight	800 kg	800 kg
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W
Motor power supply	230V AC	230V AC
Power rating	350W	350W
Frequency of use	50%	50%
Thrust	500N	500N
Operating temperature	-20+55 °C	-20+55 °C
Protection level	IP67	IP67
Manoeuvre speed	9.5 m/min (0.16 m/s)	9.5 m/min (0.16 m/s)
Motor thermal protection	150 °C	150 °C
Limit switch	Magnetic	Magnetic
Encoder	Magnetic	Magnetic
Type exit gear	Z17/mod 4	Z17/mod 4



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	E30/800
GA550	Galvanised steel rack 22x22x1000, module 4.	32,00 	√
GA551	Galvanised steel rack 30x12x1000, module 4, complete with spacers and screws.	28,00 	√
GA554	Pocket of 6 spacers (2,5 cm) with screws.	43,00 	√
GA557	Roger Technology nylon rack, module 4 to 6 connectors, L.1000.	28,00 	√
LT328	Pinion Z17 mod. 4 increased thickness H.38 for series BG30 - G30 - TW110 - R30 - E30 (except BG30/804/HS - BG30/1504/HS - TW110/1000/HS).	106,00 	√

DIMENSIONS IN MILLIMETERS



SET E30

UP TO 800 KG

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET E30/800	SET electromechanical underground motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with magnetic limit switch, magnetic encoder and control unit H70/105AC/BOX in plastic box. With cold galvanised steel foundation box.		1211,00
SET COMPOSITION			
N. 1 - E30/800	Electromechanical underground motor 230V AC, irreversible, ideal for sliding gates up to 800 kg with magnetic limit switch, magnetic encoder, without control unit. Complete with cold galvanised steel foundation box.		
N. 1 - H70/105AC/BOX	Universal control unit for 1 asynchronous motor 230V AC 50/60 Hz with slow-down, in plastic box.		

FIXING PLATE INCLUDED

SERIE BM30



KT223



SERIE M30



KT223



SERIE BH30



KT214



SERIE H30



KT214



SERIE R30



KT210



SERIE BG30



KT215



SERIE G30



KT215

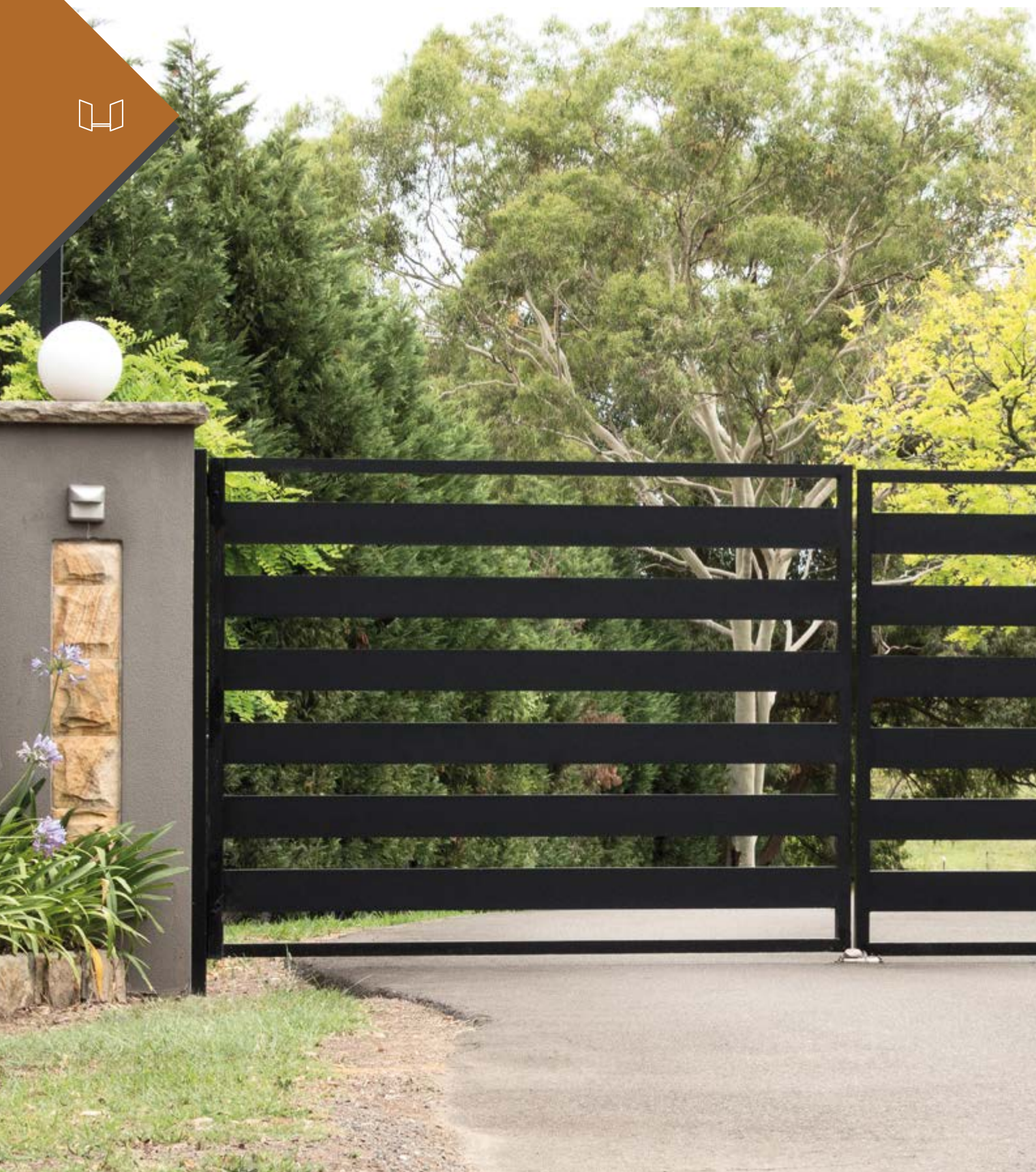


SERIE E30



FU800





SWING GATE

The automations of Roger Technology for the swing gates have been designed in different versions, automations for swing, automations for swing with articulated arms e automations for underground swing gates with the relative foundation boxes.

All versions have been developed with a modern and strong design and low impact for the aesthetics of the gate.

PRODUCT LEGEND



Brushless Motor with Digital Technology designed, manufactured and assembled in Italy by Roger Technology



Precision 230V Asynchronous Motor, designed and manufactured in Italy by Roger Technology

MOTOR TYPE

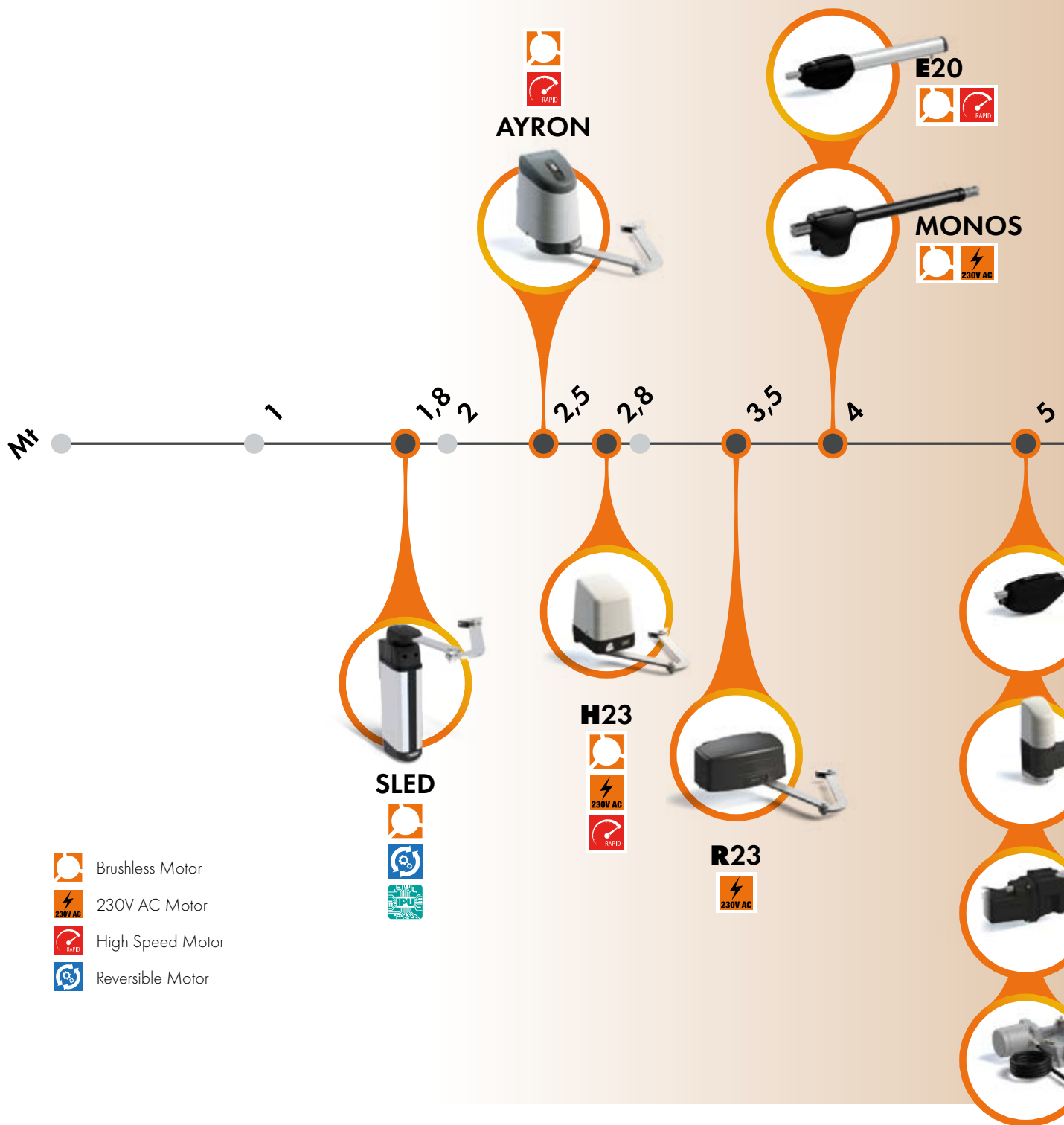
-  Brushless Motor
-  Standard Motor

PRIMARY ADVANTAGE

-  Intensive Use
-  Reversible Motor
-  High Speed Motor

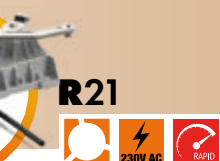
BETTER USE

-  Residential Use
-  Commercial Use
-  Industrial Use
-  Parking





SWING GATE OVERVIEW



MONOS

UP TO 4 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
MONOS4 	Electromechanical actuator with telescopic arm, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on.	50	432,00
KIT MONOS4 	KIT electromechanical actuator with telescopic arm, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on. With 2-channel radio receiver installed on board.	21	1.492,00
KIT MONOS4/115 	KIT electromechanical actuator with telescopic arm, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on. With 2-channel radio receiver installed on board. 115V line power supply.	21	1.492,00

FEATURES			
MODEL	MONOS4	KIT MONOS4	KIT MONOS4/115
Power line supply	230V AC - 50Hz	230V AC - 50Hz	115V AC - 60Hz
Stand-by consumption		≤ 0,5W	≤ 0,5W
Motor power supply	24V	24V	24V
Power rating	200W	200W	200W
Frequency of use	Intensive use	Intensive use	Intensive use
Thrust	2200N	2200N	2200N
Operating temperature	-20 C° +55 C°	-20 C° +55 C°	-20 C° +55 C°
Protection level	IP44	IP44	IP44
Manoeuvre speed	2,10 cm/s	2,10 cm/s	2,10 cm/s
Opening time	19-35 s	19-35 s	19-35 s
Stroke	400 mm	400 mm	400 mm
Limit switch	-	-	-
Recommended digital controllers	230V: B70/2ML/BOX - 115V: B70/2ML/BOX/115	-	-
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR
Operating cycles per day (opening/closing - 24 hours no stop)	700	700	700

[GO TO KIT](#) 

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MONOS

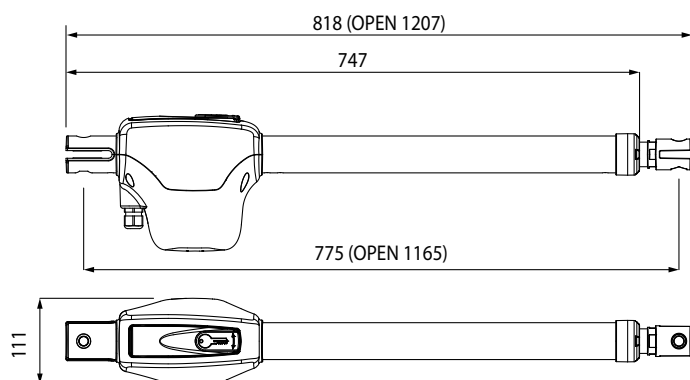
UP TO 4 M

BRUSHLESS MOTOR

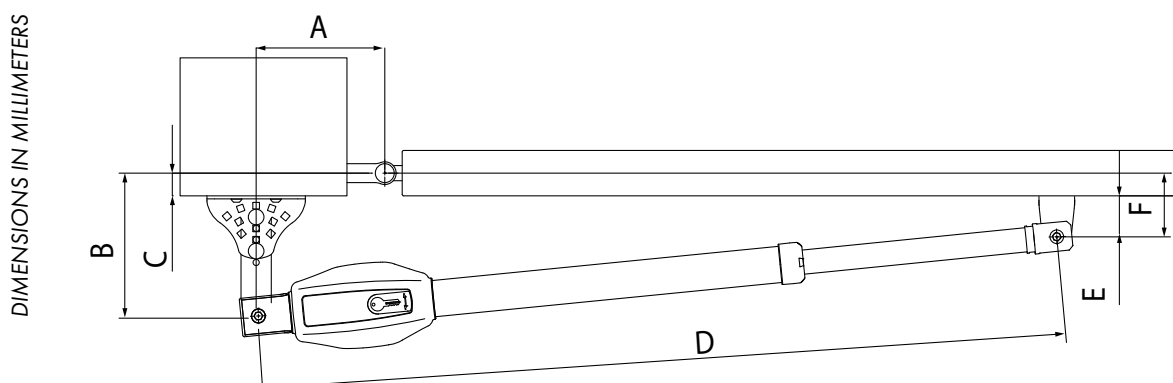
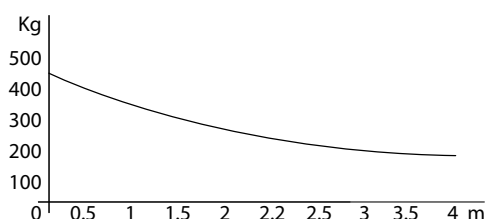


OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	MONOS4
HT420	Stem cover for MONOS4 series.	59,00 	√
KT248	Front bracket support with M8 pins for MONOS4.	38,00 	√



MONOS4 - MONOS4/115 (Max run = 400 mm)							
A	B	C	D (min)	D (max)	E	F	α (max)
110	180	57	870	1155	50	80	95°
110	210	87	840	1155	50	80	95°
120	150	27	893	1155	50	80	95°
120	200	77	839	1155	50	80	95°
130	130	7	893	1155	50	80	100°
150	130	7	860	1155	50	80	105°
150	150	27	840	1155	50	80	105°
150	200	77	796	1155	50	80	100°
160	150	27	817	1155	50	80	110°
160	160	37	817	1155	50	80	105°



DIMENSIONS IN MILLIMETERS

SWING GATE MOTOR



MONOS

UP TO 4 M



TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
MONOS4/220	Electromechanical actuator with telescopic arm, 230V AC, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on.	50	402,00
			 
KIT MONOS4/220	KIT electromechanical actuator with telescopic arm, 230V AC, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on.	21	1.284,00
			 

FEATURES		
MODEL	MONOS4/220	KIT MONOS4/220
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W
Motor power supply	230V AC	230V AC
Power rating	200W	200W
Frequency of use	30%	30%
Thrust	2400N	2400N
Operating temperature	-20 C° +55 C°	-20 C° +55 C°
Protection level	IP44	IP44
Manoeuvre speed	1,66 cm/s	1,66 cm/s
Opening time	24 s	24 s
Stroke	400 mm	400 mm
Motor thermal protection	150° C	150° C
Limit switch	-	-
Encoder	-	-



MONOS

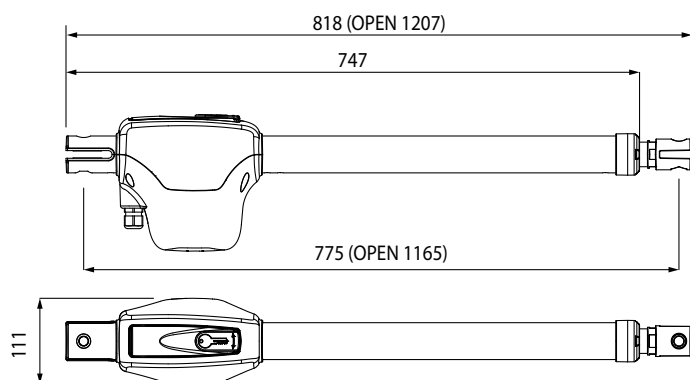
UP TO 4 M

TRADITIONAL MOTOR

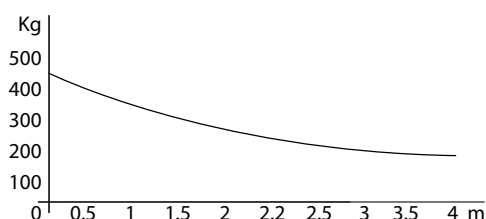


OPTIONAL ACCESSORIES

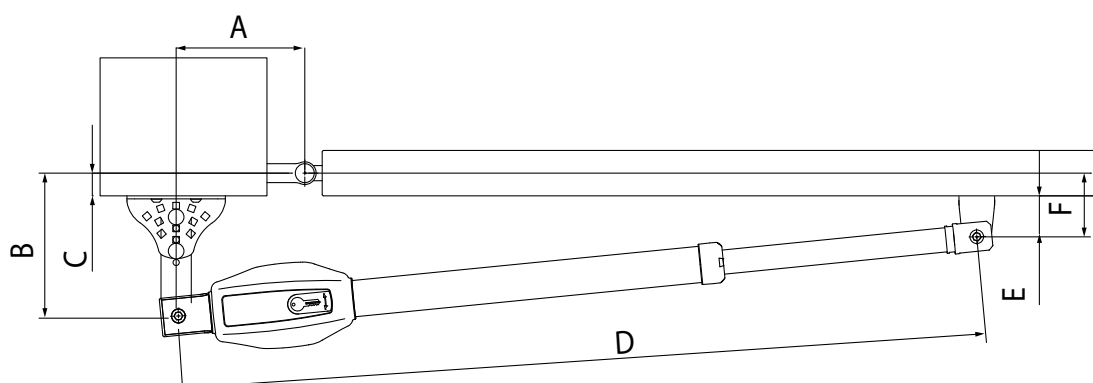
CODE	DESCRIPTION	PICTURE / PRICE EURO	MONOS4/220
HT420	Stem cover for MONOS4 series.	59,00 	√
KT248	Front bracket support with M8 pins for MONOS4.	38,00 	√



MONOS4/220 (Max run = 400 mm)							
A	B	C	D (min)	D (max)	E	F	α (max)
110	180	57	870	1155	50	80	95°
110	210	87	840	1155	50	80	95°
120	150	27	893	1155	50	80	95°
120	200	77	839	1155	50	80	95°
130	130	7	893	1155	50	80	100°
150	130	7	860	1155	50	80	105°
150	150	27	840	1155	50	80	105°
150	200	77	796	1155	50	80	100°
160	150	27	817	1155	50	80	110°
160	160	37	817	1155	50	80	105°



DIMENSIONS IN MILLIMETERS



SWING GATE MOTOR



KIT MONOS

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT MONOS4	KIT electromechanical actuator with telescopic arm, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on. With 2-channel radio receiver installed on board.	21	1492,00

KIT COMPOSITION

N. 2 - MONOS4	Electromechanical actuator with telescopic arm, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on.
N. 1 - B70/2ML/BOX	Digital control 24V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT MONOS4/115	KIT electromechanical actuator with telescopic arm, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on. With 2-channel radio receiver installed on board. 115V line power supply.	21	1492,00

KIT COMPOSITION

N. 2 - MONOS4	Electromechanical actuator with telescopic arm, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on.
N. 1 - B70/2ML/BOX/115	Digital control 24V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board. 115V line power supply.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".

KIT MONOS

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT MONOS4/220	KIT electromechanical actuator with telescopic arm, 230V AC, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on.	21	1284,00
KIT COMPOSITION			
N. 2 - MONOS4/220	Electromechanical actuator with telescopic arm, 230V AC, irreversible, ideal for swing gates with leaf up to 4 m. Complete with short brackets to screw on.		
N. 1 - H70/200AC/BOX	Control unit for 2 motors 230V AC with slow-down functions, in plastic box.		
N. 1 - H93/RX20/I	Plug-in receiver fixed code 2 channels 433,92 MHz (50 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

BE20

UP TO 2,8 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BE20/200 	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing. Complete with short brackets to screw on.	50	474,00
BE20/200/HS 	Electromechanical actuator HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing. Complete with short brackets to screw on.	50	548,00
KIT BE20/210 	KIT electromechanical actuator BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing. Complete with short brackets to screw on. With 2-channel radio receiver installed on board.	21	1.569,00
KIT BE20/212/HS 	KIT electromechanical actuator HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing. Complete with short brackets to screw on. With 2-channel radio receiver installed on board.	21	1.821,00

FEATURES				
MODEL	BE20/200	BE20/200/HS	KIT BE20/210	KIT BE20/212/HS
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption			≤ 0,5W	≤ 0,5W
Motor power supply	24V	36V	24V	36V
Power rating	200W	200W	200W	200W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	100 - 2200N	100 - 2200N	100 - 2200N	100 - 2200N
Operating temperature	-20 C° +55 C°	-20 C° +55 C°	-20 C° +55 C°	-20 C° +55 C°
Protection level	IP44	IP44	IP44	IP44
Manoeuvre speed	1,66 cm/s	3 cm/s	1,66 cm/s	3 cm/s
Opening time	15-25 s	10-15 s	15-25 s	10-15 s
Stroke	400 mm	400 mm	400 mm	400 mm
Limit switch	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing
Recommended digital controllers	230V: B70/2ML/BOX - 115V: B70/2ML/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	-	-
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	800	800



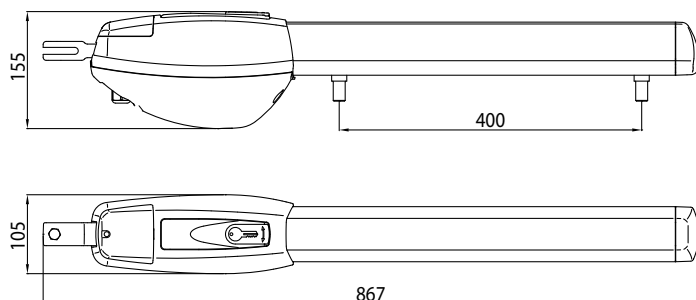
BE20

UP TO 2,8 M

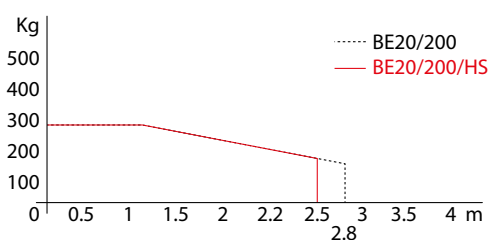
BRUSHLESS MOTOR

OPTIONAL ACCESSORIES

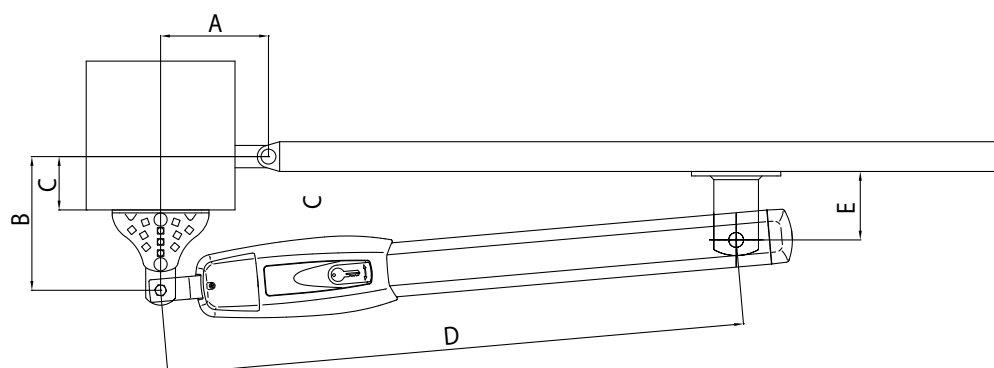
CODE	DESCRIPTION	PICTURE / PRICE EURO	BE20/200	BE20/200/HS
KT206	Kit three short series brackets to weld on.	50,00 	√	√



BE20/200 – BE20/200/HS (Max run = 400 mm)					
A	B	C (max)	D (max)	E	α°
110	180	100	770	92	100°
110	210	100	770	92	95°
120	150	100	770	92	105°
120	200	100	770	92	100°
130	130	100	770	92	105°
150	130	100	770	92	120°
150	150	100	770	92	110°
150	200	100	770	92	100°
160	150	100	770	92	105°
160	160	100	770	92	100°



DIMENSIONS IN MILLIMETERS



SWING GATE MOTOR



BE20

UP TO 4 M



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BE20/400	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m with mechanical stopper in opening and closing. Complete with long brackets to screw on.	36	548,00	  
  				
KIT BE20/410	KIT electromechanical actuator BRUSHLESS low voltage, super intensive use, with native encoder 18 on-board, irreversible, ideal for swing gates with leaf up to 4 m, with mechanical stopper in opening and closing. Complete with long brackets to screw on. With 2-channel radio receiver installed on board.		1.825,00	  
  				

FEATURES		
MODEL	BE20/400	KIT BE20/410
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W
Motor power supply	36V	36V
Power rating	200W	200W
Frequency of use	Intensive use	Intensive use
Thrust	100 - 2800N	100 - 2800N
Operating temperature	-20 C° +55 C°	-20 C° +55 C°
Protection level	IP44	IP44
Manoeuvre speed	1,66 cm/s	1,66 cm/s
Opening time	17-26 s	17-26 s
Stroke	550 mm	550 mm
Limit switch	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing
Recommended digital controllers	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	-
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR
Operating cycles per day (opening/closing - 24 hours no stop)	1000	1000

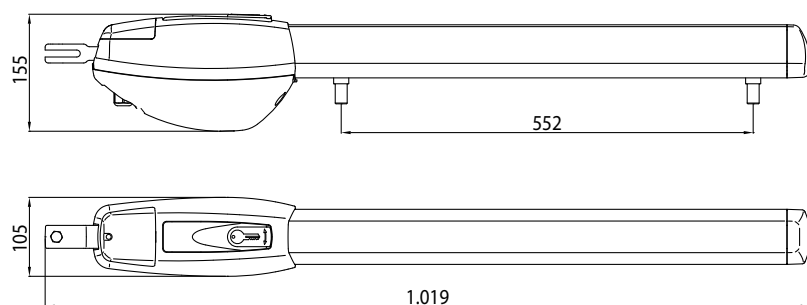


BE20

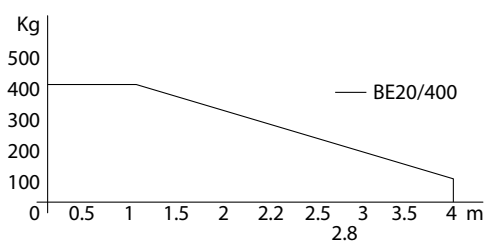
UP TO 4 M

OPTIONAL ACCESSORIES

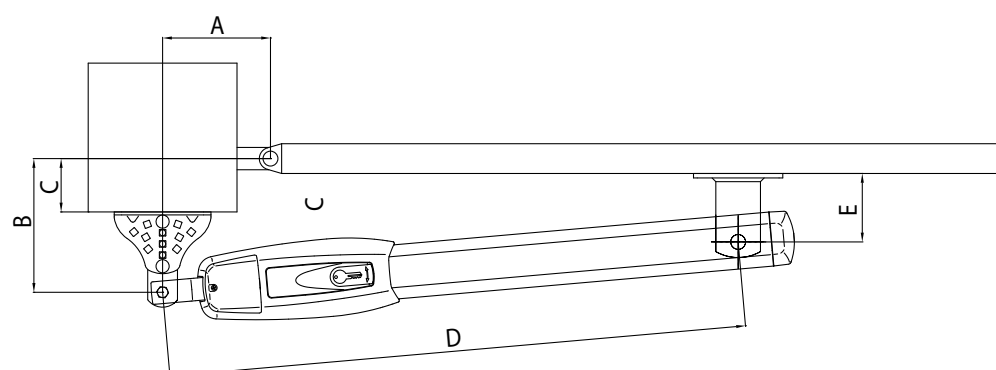
CODE	DESCRIPTION	PICTURE / PRICE EURO	BE20/400
KT205	Kit three long series brackets to weld on.	54,00 	✓



BE20/400 (Max run = 550 mm)					
A	B	C (max)	D (max)	E	α°
120	180	150	922	125	100°
120	200	150	922	125	95°
150	180	150	922	125	105°
150	220	150	922	125	100°
170	200	150	922	125	105°
200	200	150	922	125	110°
200	240	150	922	125	100°
220	180	150	922	125	110°
220	200	150	922	125	100°
250	190	150	922	145	115°



DIMENSIONS IN MILLIMETERS



KIT BE20



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BE20/210	KIT electromechanical actuator BRUSHLESS low voltage, super intensive use, with native encoder 21 on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing. Complete with short brackets to screw on. With 2-channel radio receiver installed on board.	21	1569,00

KIT COMPOSITION

N. 2 - BE20/200	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing. Complete with short brackets to screw on.
N. 1 - B70/2ML/BOX	Digital control 24V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BE20/212/HS	KIT electromechanical actuator HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing. Complete with short brackets to screw on. With 2-channel radio receiver installed on board.	21	1821,00

KIT COMPOSITION

N. 2 - BE20/200/HS	Electromechanical actuator HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing. Complete with short brackets to screw on.
N. 1 - EDGE1/BOX	Digital control 36V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.
N. 1 - R99/C/001	Signboard "Automatic Opening".

KIT BE20



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT BE20/410	KIT electromechanical actuator BRUSHLESS low voltage, super intensive use, with native encoder 18 on-board, irreversible, ideal for swing gates with leaf up to 4 m, with mechanical stopper in opening and closing. Complete with long brackets to screw on. With 2-channel radio receiver installed on board.		1825,00
KIT COMPOSITION			
N. 2 - BE20/400	Electromechanical actuator BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4 m with mechanical stopper in opening and closing. Complete with long brackets to screw on.		
N. 1 - EDGE1/BOX	Digital control 36V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.		
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.		
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

BR20

UP TO 4 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BR20/400/R	Electromechanical actuator BRUSHLESS low voltage, super intensive use, with native encoder on-board, REVERSIBLE, ideal for swing gates with leaf up to 4 m, with mechanical stopper in opening and closing. Complete with long brackets to weld on.	36	603,00
 			

FEATURES

MODEL	BR20/400/R
Power line supply	230V AC - 50Hz
Motor power supply	36V
Power rating	210W
Frequency of use	Intensive use
Thrust	100 - 1500N
Operating temperature	-20 C° +55 C°
Protection level	IP44
Manoeuvre speed	2,22 cm/s
Opening time	18-28 s
Stroke	520 mm
Limit switch	Mechanical stopper in opening and closing
Recommended digital controllers	230V: EDGE1/BOX 115V: EDGE1/BOX/115
Encoder	Digital native encoder SENSORLESS 48 PPR
Operating cycles per day (opening/closing - 24 hours no stop)	1000

BR20

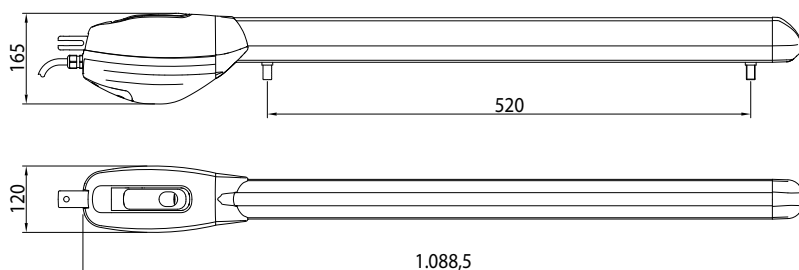
UP TO 4 M

BRUSHLESS MOTOR

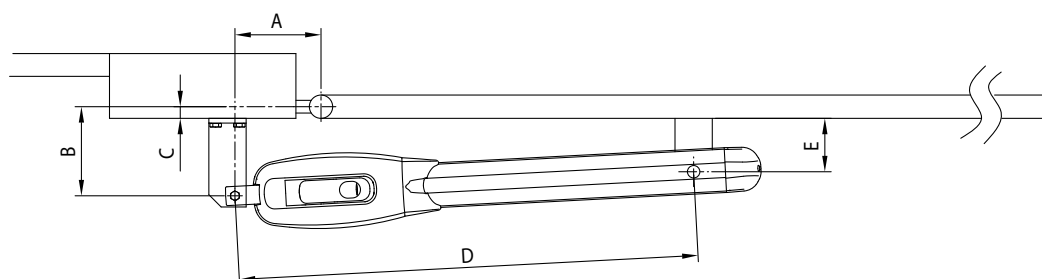
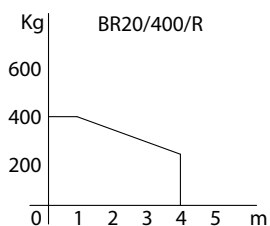


OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BR20/400/R
KT205/R	Kit long adjustable rear bracket to screw on and long welded front bracket to screw on.	71,00 	✓



BR20/400/R (Max Run 520 mm)					
A	B	C (max)	D (max)	E	α°
100	220	150	950	90	90
120	180	100	950	90	90
130	135	50	950	80	100
150	210	125	950	123	90
150	250	175	950	123	90
180	130	50	950	90	115
180	200	100	950	123	100
200	180	100	950	123	100
210	180	100	950	123	105
220	180	100	950	123	100
230	170	90	950	123	105



DIMENSIONS IN MILLIMETERS



R20

UP TO 3,5 M



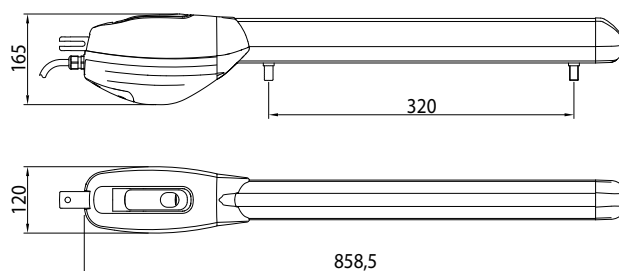
TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
R20/300	Electromechanical actuator 230V AC, irreversible, for swing gate with leaf up to 2,5 m with 1 microswitch limit switch in opening. Complete with short brackets to weld on.	50	524,00
			 
R20/302	Electromechanical actuator 230V AC, irreversible, slow version with 6 pole motor, ideal for swing gates with leaf up to 3,5 m with 1 microswitch limit switch in opening. Complete with short brackets to weld on.	50	524,00
			 
KIT R20/310	KIT electromechanical actuator 230V AC, irreversible, ideal for swing gates with leaf up to 2,5 m with 1 microswitch limit switch in opening. Complete with short brackets to weld on.	21	1.535,00
			 

FEATURES

MODEL	R20/300	R20/302	KIT R20/310
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption			≤ 0,5W
Motor power supply	230V AC	230V AC	230V AC
Power rating	200W	215W	200W
Frequency of use	40%	40%	40%
Thrust	2500N	2800N	2500N
Operating temperature	-20+55 C°	-20+55 °C	-20+55 C°
Protection level	IP44	IP44	IP44
Manoeuvre speed	1,66 cm/s	1,06 cm/s	1,66 cm/s
Opening time	19 s	28 s	19 s
Stroke	320 mm	320 mm	320 mm
Motor thermal protection	150 C°	140 °C	150 C°
Limit switch	Microswitch in opening (optional in closing MC770)	Microswitch in opening (optional in closing MC770)	Microswitch in opening (optional in closing MC770)
Encoder	-	-	-



R20

UP TO 3,5 M

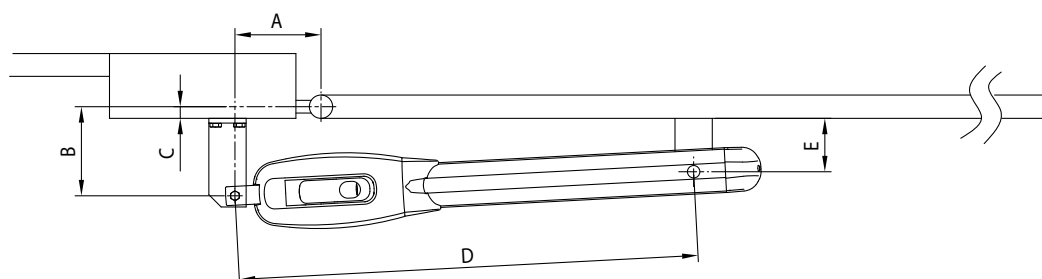
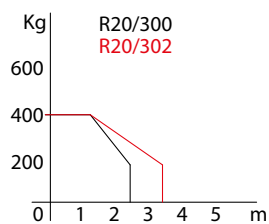
TRADITIONAL MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R20/300	R20/302
MC770	Kit optional microswitch in closing with cable series R20.	16,00 	√	√
MC780	Kit 2 EXTRA mechanical stops for R20 series.	52,00 	√	√
KT206/R	Kit short adjustable rear bracket to screw on and short welded front bracket to screw on.	50,00 	√	√

R20/300 - R20/302		
A	B	<
130	130	90°
80	170	90°
80	210	90°
100	200	90°
120	140	100°
130	150	105°
150	100	120°
C (max)	D (max)	E
90	730	90



DIMENSIONS IN MILLIMETERS

[GO TO KIT](#) 

[GO TO ACCESSORIES](#) 

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R20

UP TO 5 M



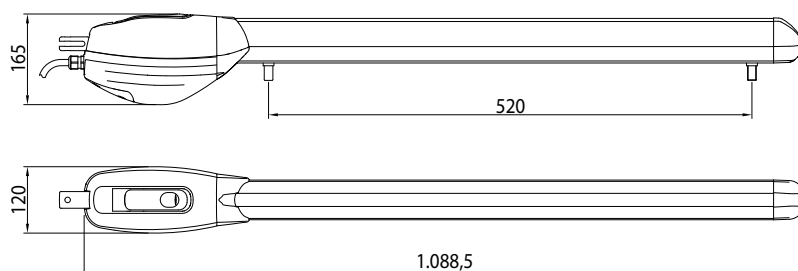
TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
R20/500 	Electromechanical actuator 230V AC, irreversible, ideal for swing gates with leaf up to 3,5 m with 1 microswitch limit switch in opening. Complete with long brackets to weld on.	36	553,00	  
R20/502 	Electromechanical actuator 230V AC, irreversible, slow version with 6 pole motor, ideal for swing gates with leaf up to 5 m, with 1 microswitch limit switch in opening. Complete with long brackets to weld on.	36	553,00	  
KIT R20/510 	KIT electromechanical actuator 230V AC, irreversible, ideal for swing gates with leaf up to 3,5 m with 1 microswitch limit switch in opening. Complete with short brackets to weld on.	18	1.588,00	  

FEATURES

MODEL	R20/500	R20/502	KIT R20/510
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption			≤ 0,5W
Motor power supply	230V AC	230V AC	230V AC
Power rating	200W	215W	200W
Frequency of use	40%	40%	40%
Thrust	2500N	2800N	2500 N
Operating temperature	-20+55°C	-20+55°C	-20+55°C
Protection level	IP44	IP44	IP44
Manoeuvre speed	1,66 cm/s	1,06 cm/s	1,66 cm/s
Opening time	27 s	42 s	27 s
Stroke	520 mm	520 mm	520 mm
Motor thermal protection	140°C	140°C	150°C
Limit switch	Microswitch in opening (optional in closing MC770)	Microswitch in opening (optional in closing MC770)	Microswitch in opening (optional in closing MC770)
Encoder	-	-	-



R20

UP TO 5 M

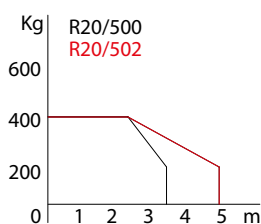
TRADITIONAL MOTOR



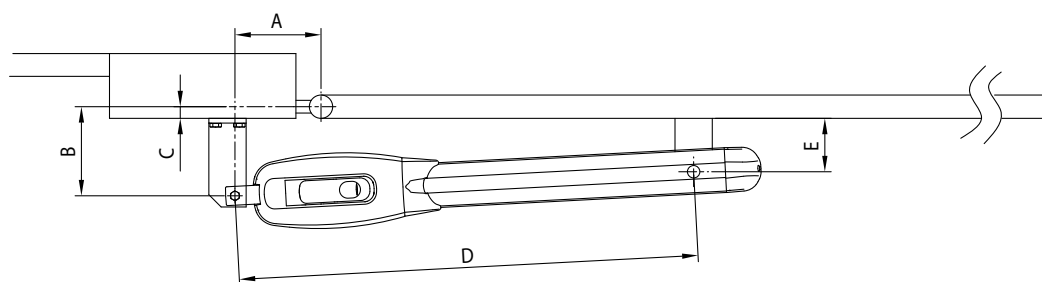
OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R20/500	R20/502
MC770	Kit optional microswitch in closing with cable series R20.	16,00 	√	√
MC780	Kit 2 EXTRA mechanical stops for R20 series.	52,00 	√	√
KT205/R	Kit long adjustable rear bracket to screw on and long welded front bracket to screw on.	71,00 	√	√

R20/500 - R20/502					
Max Run 520 mm					
A	B	C (max)	D (max)	E	α°
100	220	150	950	90	90
120	180	100	950	90	90
130	135	50	950	80	100
150	210	125	950	123	90
150	250	175	950	123	90
180	130	50	950	90	115
180	200	100	950	123	100
200	180	100	950	123	100
210	180	100	950	123	105
220	180	100	950	123	100
230	170	90	950	123	105



DIMENSIONS IN MILLIMETERS



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KIT R20

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT R20/310	KIT electromechanical actuator 230V AC, irreversible, ideal for swing gates with leaf up to 2,5 m with 1 microswitch limit switch in opening. Complete with short brackets to weld on.	21	1535,00
KIT COMPOSITION			
N. 2 - R20/300	Electromechanical actuator 230V AC, irreversible, for swing gate with leaf up to 2,5 m with 1 microswitch limit switch in opening. Complete with short brackets to weld on.		
N. 1 - H70/200AC/BOX	Control unit for 2 motors 230V AC with slow-down functions, in plastic box.		
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		



KIT R20

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT R20/510	KIT electromechanical actuator 230V AC, irreversible, ideal for swing gates with leaf up to 3,5 m with 1 microswitch limit switch in opening. Complete with short brackets to weld on.	18	1588,00
KIT COMPOSITION			
N. 2 - R20/500	Electromechanical actuator 230V AC, irreversible, ideal for swing gates with leaf up to 3,5 m with 1 microswitch limit switch in opening. Complete with long brackets to weld on.		
N. 1 - H70/200AC/BOX	Control unit for 2 motors 230V AC with slow-down functions, in plastic box.		
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

SMARTY

UP TO 5 M

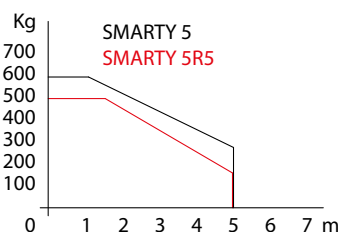
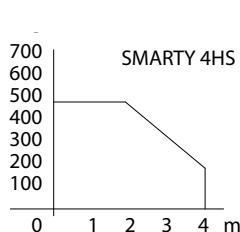


BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
SMARTY4/HS 	Electromechanical motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, irreversible, ideal for swing gates with leaf up to 4 m with mechanical stops on opening and closing. Complete with short brackets to weld on.	36	1.076,00	
SMARTY5 	Electromechanical motor BRUSHLESS, low voltage, super intensive use, irreversible, ideal for swing gates with leaf up to 5 m with mechanical stops on opening and closing. Complete with short brackets to weld on.	36	1.057,00	
SMARTY5R5 	Electromechanical motor BRUSHLESS, low voltage, super intensive use, REVERSIBLE, ideal for swing gates with leaf up to 5 m with mechanical stops on opening and closing. Complete with short brackets to weld on and absolute magnetic encoder module SMARTY/EMA.	36	1.336,00	

FEATURES

MODEL	SMARTY4/HS	SMARTY5	SMARTY5R5
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Motor power supply	36V	36V	36V
Power rating	200W	200W	200W
Frequency of use	Intensive use	Intensive use	Intensive use
Thrust	600 - 4500N	600 - 7000N	600 - 6500N
Operating temperature	-20 C° +55 C°	-20 C° +55 C°	-20 C° +55 C°
Protection level	IP44	IP44	IP44
Manoeuvre speed	2 - 1 cm/s	1,6 cm/s	1,8 cm/s
Opening time	15-25 s	25-40 s	20-40 s
Stroke	370 mm	370 mm	370 mm
Limit switch	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing
Recommended digital controllers	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR + EMA
Operating cycles per day (opening/closing - 24 hours no stop)	1000	1000	1000

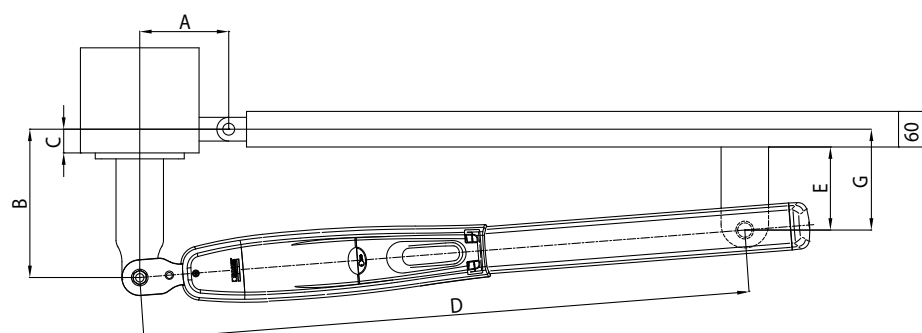
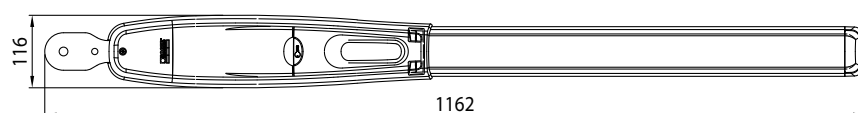
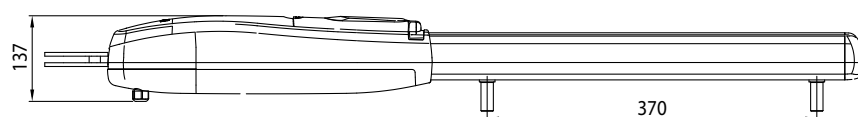


SMARTY 4HS / 5 / 5R5 (Max Run = 370 mm)						
A	B	C (max)	D (max)	E	G	α°
150	150	120	1030	100	130	97°
150	170	120	1030	100	130	96°
150	190	120	1030	100	130	95°
150	200	120	1030	100	130	95°
150	220	120	1030	100	130	90°
170	150	120	1030	100	130	103°
170	170	120	1030	100	130	102°
170	200	120	1030	100	130	90°
185	185	120	1030	100	130	90°
200	160	120	1030	100	130	92°



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	SMARTY4/HS	SMARTY5	SMARTY5R5
RL669	Kit for external release without handle for series SMARTY.	38,00 	√	√	√
RL671	Metallic wire length 3 m for external release.	27,00 	√	√	√
SMARTY/EMA	Module Encoder Magnetic Absolute for SMARTY series.	235,00 	√	√	
RL670	European cylinder key (DIN) for release system series SMARTY - BIONIK.	54,00 	√	√	√



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SMARTY

UP TO 7 M

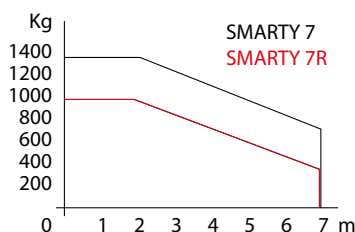


BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
SMARTY7 	Electromechanical motor BRUSHLESS, low voltage, super intensive use, irreversible, ideal for swing gates with leaf up to 7 m with mechanical stops on opening and closing. Complete with long brackets to weld on.	36	1.096,00	
SMARTY7R 	Electromechanical motor BRUSHLESS, low voltage, super intensive use, REVERSIBLE, ideal for swing gates with leaf up to 7 m with mechanical stops on opening and closing. Complete with long brackets to weld on and absolute magnetic encoder module SMARTY/EMA.	36	1.365,00	

FEATURES

MODEL	SMARTY7	SMARTY7R
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Motor power supply	36V	36V
Power rating	200W	200W
Frequency of use	Intensive use	Intensive use
Thrust	600 - 7000N	600 - 6500N
Operating temperature	-20 C° +55 C°	-20 C° +55 C°
Protection level	IP44	IP44
Manoeuvre speed	1,6 cm/s	1,6 cm/s
Opening time	35-50 s	35-50 s
Stroke	520 mm	520 mm
Limit switch	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing
Recommended digital controllers	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR + EMA
Operating cycles per day (opening/closing - 24 hours no stop)	1000	1000

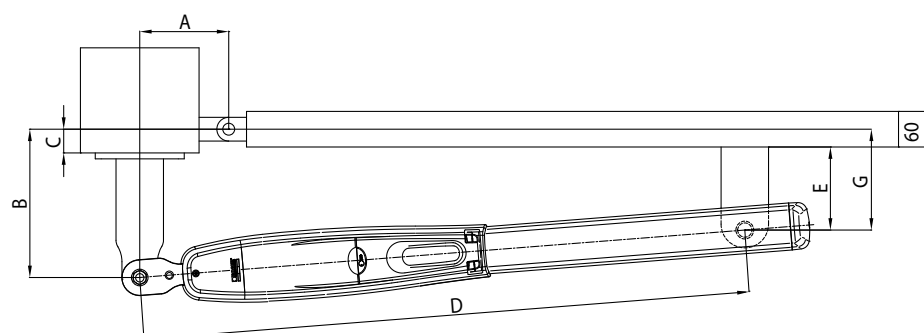
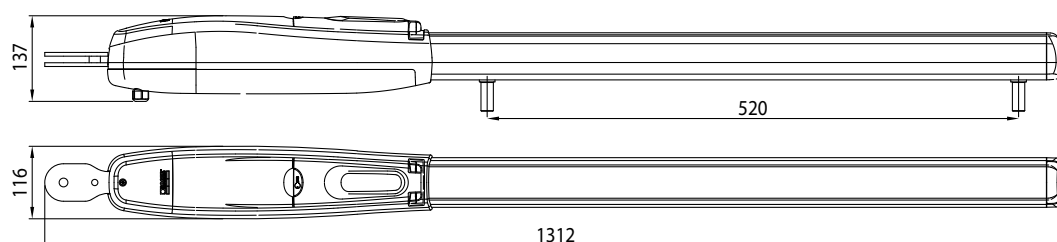


SMARTY 7 - SMARTY 7R (Max Run = 520 mm)							
A	B	C (max)	D (max)	E	G	α°	
200	200	200	1180	140	170	98°	
200	230	200	1180	140	170	97°	
200	260	200	1180	140	170	96°	
200	280	200	1180	140	170	95°	
200	300	200	1180	140	170	93°	
220	220	200	1180	140	170	102°	
220	250	200	1180	140	170	100°	
220	280	200	1180	140	170	93°	
250	200	200	1180	140	170	106°	
250	250	200	1180	140	170	94°	



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	SMARTY7	SMARTY7R
RL669	Kit for external release without handle for series SMARTY.	38,00 	√	√
RL671	Metallic wire length 3 m for external release.	27,00 	√	√
SMARTY/EMA	Module Encoder Magnetic Absolute for SMARTY series.	235,00 	√	
RL670	European cylinder key (DIN) for release system series SMARTY - BIONIK.	54,00 	√	√



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H20

UP TO 3 M



TRADITIONAL MOTOR

 **ROGER**
230V AC

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H20/370	Electromechanical actuator 230V AC, irreversible, short, fast, ideal for swing gates with leaf up to 3 m with on-board encoder and mechanical stopper in opening and closing. Complete with long front bracket to weld on.	18	859,00
			 

FEATURES

MODEL	H20/370
Power line supply	230V AC - 50Hz
Motor power supply	230V AC
Power rating	200W
Frequency of use	40%
Thrust	2500N
Operating temperature	-20+55° C
Protection level	IP44
Manoeuvre speed	1,66 cm/s
Opening time	19 s
Stroke	370 mm
Motor thermal protection	150° C
Limit switch	Mechanical stopper in opening and closing
Encoder	Optical



H20

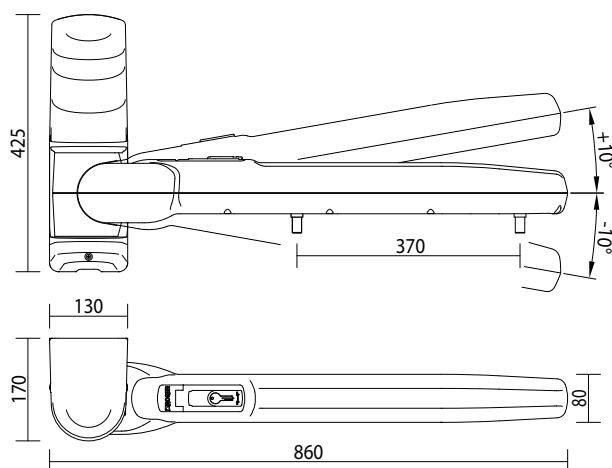
UP TO 3 M

TRADITIONAL MOTOR



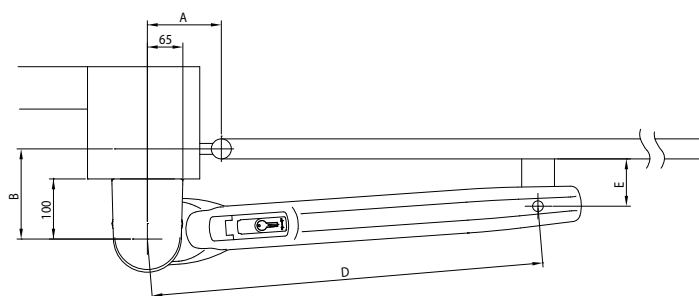
OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	H20/370
KT201/R	Long welded front bracket to screw on.		✓



H20/370		
A	B	Angolo
170	200	90°
220	150	90°
150	200	95°
150	220	95°
160	200	95°
100	125	100°
130	175	100°
120	150	105°
150	150	105°
C (max)	D (max)	E
90	715	90

DIMENSIONS IN MILLIMETERS



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SWING GATE MOTOR



H20

UP TO 5 M



TRADITIONAL MOTOR

 **ROGER**
230V AC

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
H20/550	Electromechanical actuator 230V AC, irreversible, long, fast, ideal for swing gates with leaf up to 5 m with on-board encoder and mechanical stopper in opening and closing. Complete with long front bracket to weld on.	18	933,00	  

FEATURES

MODEL	H20/550
Power line supply	230V AC - 50Hz
Motor power supply	230V AC
Power rating	200W
Frequency of use	40%
Thrust	2500N
Operating temperature	-20+55° C
Protection level	IP44
Manoeuvre speed	1,66 cm/s
Opening time	27 s
Stroke	550 mm
Motor thermal protection	150° C
Limit switch	Mechanical stopper in opening and closing
Encoder	Optical



H20

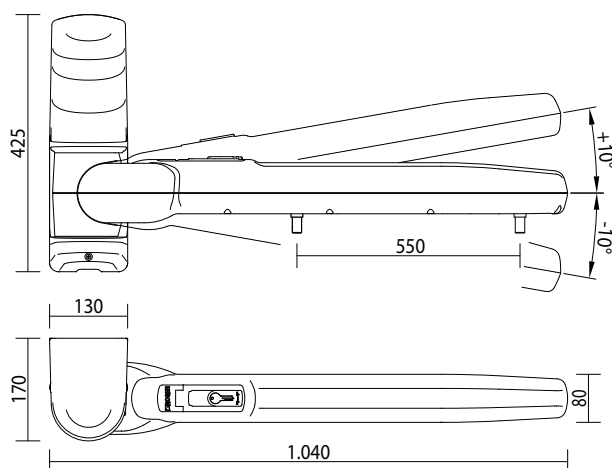
UP TO 5 M

TRADITIONAL MOTOR



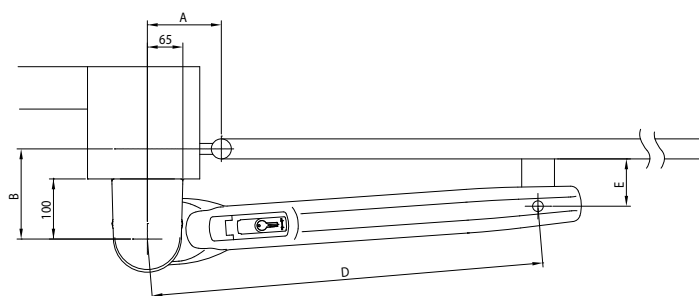
OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	H20/550
KT201/R	Long welded front bracket to screw on.		✓



H20/550		
A	B	Angle
175	250	90°
250	300	90°
175	225	95°
250	200	95°
110	130	100°
125	175	100°
125	125	105°
150	150	105°
250	130	110°
C (max)	D (max)	E
125	895	195

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SWING GATE MOTOR



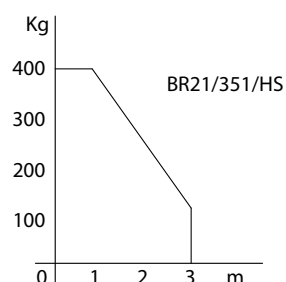
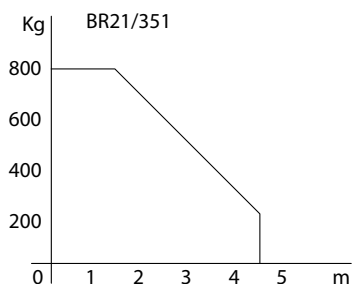
BR21

UP TO 4.5 M
AND CABLE 2M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BR21/351 	Electromechanical underground motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with short 2 m cable.	50	627,00	  
BR21/351/HS 	Electromechanical underground motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 3 m. Standard version with short 2 m cable.	50	641,00	  
SET BR21/353 	SET 2 electromechanical underground motors BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with short 2 m cable, with cold galvanised steel foundation boxes and cover and standard lever release system. Complete with electronics kit.		2.592,00	  
SET BR21/353/HS 	SET 2 electromechanical underground motors HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 3 m. Standard version with short 2 m cable, with cold galvanised steel foundation boxes and cover and standard lever release system. Complete with electronics kit.		2.641,00	  
SET BR21/354 	SET 2 electromechanical underground motors BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with short 2 m cable, with hot galvanised steel foundation boxes and cover and standard lever release system. Complete with electronics kit.		2.628,00	  



BR21

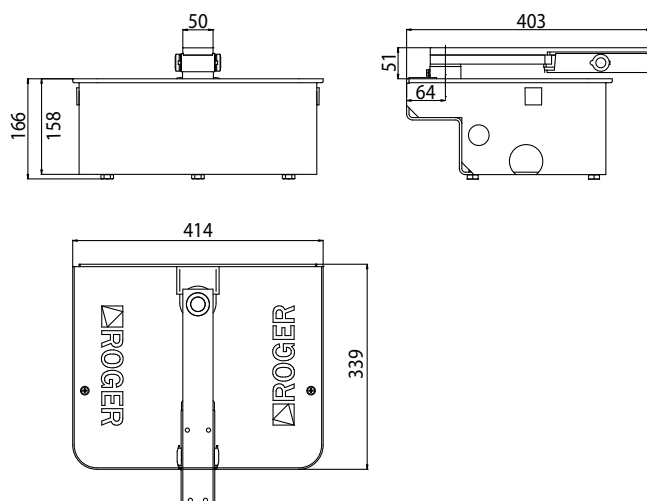
BRUSHLESS MOTOR



UP TO 4.5 M
AND CABLE 2M

FEATURES					
MODEL	BR21/351	BR21/351/HS	SET BR21/353	SET BR21/353/HS	SET BR21/354
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50 Hz	230V AC - 50 Hz	230V AC - 50 Hz
Stand-by consumption				≤ 0,5W	≤ 0,5W
Motor power supply	36V	36V	36V	36V	36V
Power rating	200W	200W	200W	200W	200W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Torque	50 - 300 N m	50 - 200 N m	50 - 300N m	50 - 200N m	50 - 300N m
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP67	IP67	IP67	IP67	IP67
Manoeuvre speed	1,2 Rpm	2 Rpm	1,2 Rpm	2 Rpm	1,2 Rpm
Opening time	19-29 s	10-25 s	19-29 s	10-25 s	19-29 s
Limit switch	Mechanical stoppers	Mechanical stoppers	Mechanical stoppers	Mechanical stoppers	Mechanical stoppers
Recommended digital controllers	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	-	-	-
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR
Maximun opening	105° (optional 125° - 360°)	105°(optional 125° - 360°)	105° (optional 125° - 360°)	105° (optional 125° - 360°)	105° (optional 125° - 360°)
Operating cycles per day (opening/closing - 24 hours no stop)	1300	1300	1300	1300	1300

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BR21

UP TO 4.5 M
AND CABLE 2M

BRUSHLESS MOTOR

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BR21/351	BR21/351/HS
FU100	Foundation box and lid in cold-galvanised steel.	262,00 	√	√
FU101	Foundation box and lid in hot-galvanised steel.	315,00 	√	√
FU102	Foundation box in hot-galvanised steel and lid in AISI 304 stainless steel.	379,00 	√	√
FU103	Foundation box and lid in AISI 304 stainless steel.	513,00 	√	√
LT300	Levers group for opening up to 125°.	130,00 	√	√
LT301	Levers group for opening up to 360°.	176,00 	√	√
LT301/R	Levers group for opening up to 360°, with reinforced chain.	222,00 	√	√

BR21

BRUSHLESS MOTOR



UP TO 4.5 M
AND CABLE 2M

OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO	BR21/351	BR21/351/HS
LT300/90SX	Levers group for opening up to 103° - 90° turned - left.	123,00 	√	√
LT300/90DX	Levers group for opening up to 103° - 90° turned - right.	123,00 	√	√
LT327/SC	Pinion gear 3/4 Z13 of adaptation in pinion combining 3/4 Z16.	101,00 	√	√
RL650	Release system for underground motor with standard lever.	107,00 	√	√
RL650/R	Release system for underground motor with standard lever, reinforced steel version.	252,00 	√	√
RL651	Release system for underground motor with european cylinder key (DIN).	130,00 	√	√
RL663	Long release lever for underground motor.	17,00 	√	√



BR21

UP TO 5 M
AND CABLE 10M



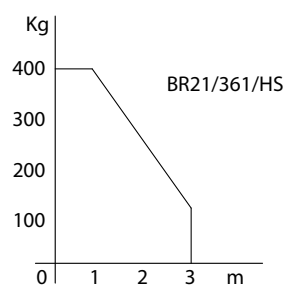
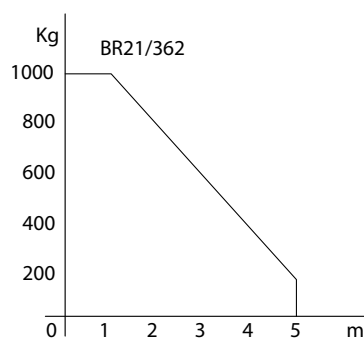
TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BR21/361 	Electromechanical underground motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with long 10 m cable.	50	650,00	
BR21/361/HS 	Electromechanical underground motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 3 m. Standard version with long 10 m cable.	50	666,00	
BR21/362 	Electromechanical underground motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 5 m. Tandem version with double bearings version with long 10 m cable.	50	703,00	



Double bearing detail on BR21/362
main reduction shaft



BR21

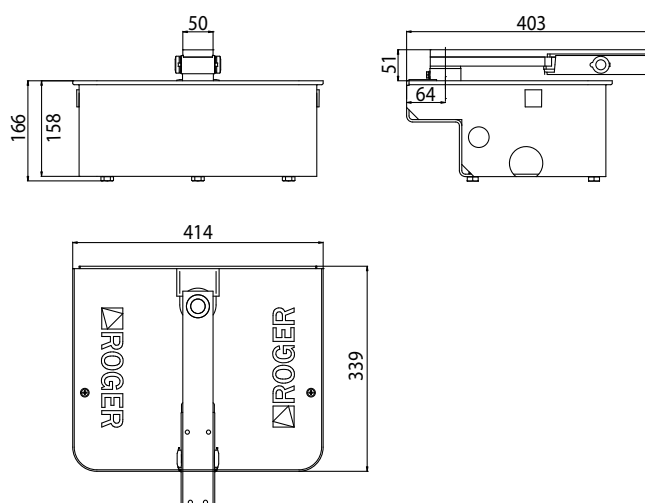
UP TO 5 M
AND CABLE 10M

TRADITIONAL MOTOR



FEATURES			
MODEL	BR21/361	BR21/361/HS	BR21/362
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Motor power supply	36V	36V	36V
Power rating	200W	200W	200W
Frequency of use	Intensive use	Intensive use	Intensive use
Torque	50 - 300 N m	50 - 200 N m	50 - 300 N m
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP67	IP67	IP67
Manoeuvre speed	1,2 Rpm	2 Rpm	1,2 Rpm
Opening time	19-29 s	10-25 s	19-29 s
Limit switch	Mechanical stoppers	Mechanical stoppers	Mechanical stoppers
Recommended digital controllers	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR
Maximun opening	105 ° (optional 125 ° - 360 °)	105 ° (optional 125 ° - 360 °)	105 ° (optional 125 ° - 360 °)
Operating cycles per day (opening/closing - 24 hours no stop)	1300	1300	1300

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BR21

UP TO 5 M
AND CABLE 10M

BRUSHLESS MOTOR

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BR21/361	BR21/361/HS	BR21/362
FU100	Foundation box and lid in cold-galvanised steel.	262,00 	✓	✓	✓
FU101	Foundation box and lid in hot-galvanised steel.	315,00 	✓	✓	✓
FU102	Foundation box in hot-galvanised steel and lid in AISI 304 stainless steel.	379,00 	✓	✓	✓
FU103	Foundation box and lid in AISI 304 stainless steel.	513,00 	✓	✓	✓
LT300	Levers group for opening up to 125°.	130,00 	✓	✓	✓
LT301	Levers group for opening up to 360°.	176,00 	✓	✓	✓
LT301/R	Levers group for opening up to 360°, with reinforced chain.	222,00 	✓	✓	✓

BR21

BRUSHLESS MOTOR



UP TO 5 M
AND CABLE 10M

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BR21/351	BR21/351/HS
LT300/90SX	Levers group for opening up to 103° - 90° turned - left.	123,00 	✓	✓
LT300/90DX	Levers group for opening up to 103° - 90° turned - right.	123,00 	✓	✓
LT327/SC	Pinion gear 3/4 Z13 of adaptation in pinion combining 3/4 Z16.	101,00 	✓	✓
RL650	Release system for underground motor with standard lever.	107,00 	✓	✓
RL650/R	Release system for underground motor with standard lever, reinforced steel version.	252,00 	✓	✓
RL651	Release system for underground motor with european cylinder key (DIN).	130,00 	✓	✓
RL663	Long release lever for underground motor.	17,00 	✓	✓

R21

UP TO 3.5 M
AND CABLE 2M



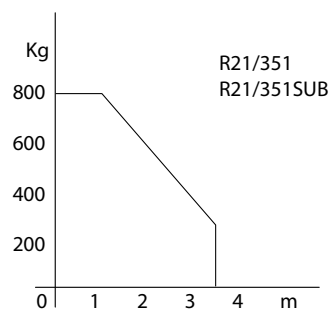
TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
R21/351 	Electromechanical underground motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with 2 m cable.	50	594,00
R21/351SUB 	Electromechanical underground motor 230V AC, irreversible, SUB version water resistant, ideal for swing gates with leaf up to 3.5 m. Standard version with short 2 m cable.	50	730,00
SET R21/353 	SET 2 electromechanical underground motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with 2 m short cable with foundation boxes and cover in cold galvanised steel and standard lever release system. Complete with electronics kit.		2.329,00
SET R21/354 	SET 2 electromechanical underground motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with 2 m short cable with foundation boxes and cover in hot galvanised steel and standard lever release system. Complete with electronics kit.		2.422,00



SUB VERSION



R21

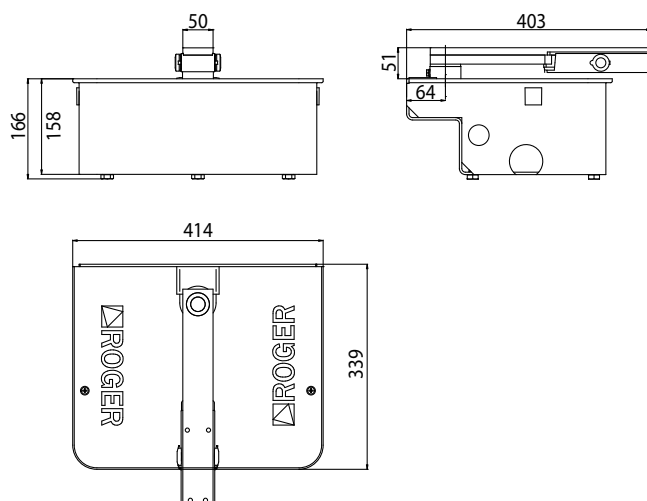
UP TO 3.5 M
AND CABLE 2M

TRADITIONAL MOTOR



FEATURES				
MODEL	R21/351	R21/351SUB	SET R21/353	SET R21/354
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption			≤ 0,5W	≤ 0,5W
Motor power supply	230V AC	230V AC	230V AC	230V AC
Power rating	200W	200W	200W	200W
Frequency of use	30%	30%	30%	30%
Torque	300 N m	300 N m	300 N m	300 N m
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP67	IP67	IP67	IP67
Manoeuvre speed	1,2 Rpm	1,2 Rpm	1,2 Rpm	1,2 Rpm
Opening time	19 s	19 s	19 s	19 s
Motor thermal protection	150°C	150°C	150°C	150°C
Limit switch	Mechanical stoppers	Mechanical stoppers	Mechanical stoppers	Mechanical stoppers
Encoder	Optional as an accessory	Optional as an accessory	Optional as an accessory	Optional as an accessory
Maximun opening	105° (optional 125° - 360°)	105° (optional 125° - 360°)	105° (optional 125° - 360°)	105° (optional 125° - 360°)

DIMENSIONS IN MILLIMETERS



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R21

UP TO 3.5 M
AND CABLE 2M

TRADITIONAL MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R21/351	R21/351 SUB
FU100	Foundation box and lid in cold-galvanised steel.	262,00 	√	√
FU101	Foundation box and lid in hot-galvanised steel.	315,00 	√	√
FU102	Foundation box in hot-galvanised steel and lid in AISI 304 stainless steel.	379,00 	√	√
FU103	Foundation box and lid in AISI 304 stainless steel.	513,00 	√	√
LT300	Levers group for opening up to 125°.	130,00 	√	√
LT301	Levers group for opening up to 360°.	176,00 	√	√
LT301/R	Levers group for opening up to 360°, with reinforced chain.	222,00 	√	√



R21

UP TO 3.5 M
AND CABLE 2M

TRADITIONAL MOTOR



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO	R21/351	R21/351 SUB
LT300/90SX	Levers group for opening up to 103° - 90° turned - left.	123,00 	√	√
LT300/90DX	Levers group for opening up to 103° - 90° turned - right.	123,00 	√	√
LT327/SC	Pinion gear 3/4 Z13 of adaptation in pinion combining 3/4 Z16.	101,00 	√	√
R21/ENC/2	Encoder module for R21 series with 2 m cable.	50,00 	√	√
RL650	Release system for underground motor with standard lever.	107,00 	√	√
RL650/R	Release system for underground motor with standard lever, reinforced steel version.	252,00 	√	√
RL651	Release system for underground motor with european cylinder key (DIN).	130,00 	√	√
RL663	Long release lever for underground motor.	17,00 	√	√

R21

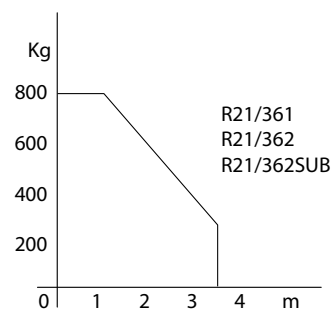
UP TO 3,5 M
AND CABLE 10M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
R21/361 	Electromechanical underground motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with short 10 m cable.	50	638,00	  
R21/362 	Electromechanical underground motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Tandem version with double bearings version with long 10 m cable.	50	722,00	  
R21/362SUB 	Electromechanical underground motor 230V AC, irreversible, SUB version water resistant, ideal for swing gates with leaf up to 3.5 m. Tandem version with double bearings version with long 10 m cable.	50	807,00	  

SUB VERSION



R21

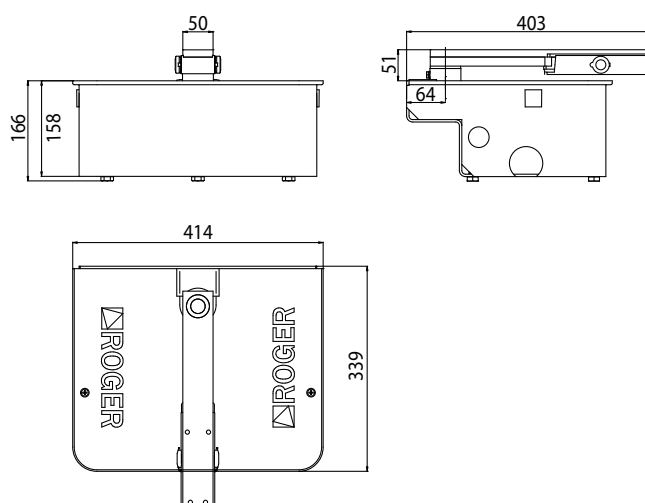
BRUSHLESS MOTOR



UP TO 3,5 M
AND CABLE 10M

FEATURES			
MODEL	R21/361	R21/362	R21/362SUB
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Motor power supply	230V AC	230V AC	230V AC
Power rating	200W	200W	200W
Frequency of use	30%	30%	30%
Torque	300 N m	300 N m	300 N m
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP67	IP67	IP67
Manoeuvre speed	1,2 Rpm	1,2 Rpm	1,2 Rpm
Opening time	19 s	19 s	19 s
Motor thermal protection	150 °C	150 °C	150 °C
Limit switch	Mechanical stoppers	Mechanical stoppers	Mechanical stoppers
Encoder	Optional as an accessory	Optional as an accessory	Optional as an accessory
Maximun opening	105 ° (optional 125 ° - 360 °)	105 ° (optional 125 ° - 360 °)	105 ° (optional 125 ° - 360 °)

DIMENSIONS IN MILLIMETERS



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OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R21/361	R21/362	R21/362SUB
FU100	Foundation box and lid in cold-galvanised steel.	262,00 	✓	✓	✓
FU101	Foundation box and lid in hot-galvanised steel.	315,00 	✓	✓	✓
FU102	Foundation box in hot-galvanised steel and lid in AISI 304 stainless steel.	379,00 	✓	✓	✓
FU103	Foundation box and lid in AISI 304 stainless steel.	513,00 	✓	✓	✓
LT300	Levers group for opening up to 125°.	130,00 	✓	✓	✓
LT301	Levers group for opening up to 360°.	176,00 	✓	✓	✓
LT301/R	Levers group for opening up to 360°, with reinforced chain.	222,00 	✓	✓	✓

R21

UP TO 3,5 M
AND CABLE 10M

TRADITIONAL MOTOR



OPTIONAL ACCESSORIES					
CODE	DESCRIPTION	PICTURE / PRICE EURO	R21/361	R21/362	R21/362SUB
LT300/90SX	Levers group for opening up to 103° - 90° turned - left.	123,00 	√	√	√
LT300/90DX	Levers group for opening up to 103° - 90° turned - right.	123,00 	√	√	√
LT327/SC	Pinion gear 3/4 Z13 of adaptation in pinion combining 3/4 Z16.	101,00 	√	√	√
R21/ENC/10	Encoder module for R21 series with 10 m cable.	62,00 	√	√	√
RL650	Release system for underground motor with standard lever.	107,00 	√	√	√
RL650/R	Release system for underground motor with standard lever, reinforced steel version.	252,00 	√	√	√
RL651	Release system for underground motor with european cylinder key (DIN).	130,00 	√	√	√
RL663	Long release lever for underground motor.	17,00 	√	√	√

SET BR21

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET BR21/353	SET 2 electromechanical underground motors BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with short 2 m cable, with cold galvanised steel foundation boxes and cover and standard lever release system. Complete with electronics kit.		2592,00

SET COMPOSITION

N. 2 - BR21/351	Electromechanical underground motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with short 2 m cable.
N. 2 - FU100	Foundation box and lid in cold-galvanised steel.
N. 2 - RL650	Release system for underground motor with standard lever.
N. 1 - KIT EDGE1/20	Complete electronic kit with 36V EDGE1/BOX digital controller for 2 BRUSHLESS motors. With 2-channel radio receiver installed on board.



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET BR21/353/HS	SET 2 electromechanical underground motors HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 3 m. Standard version with short 2 m cable, with cold galvanised steel foundation boxes and cover and standard lever release system. Complete with electronics kit.		2641,00

SET COMPOSITION

N. 2 - BR21/351/HS	Electromechanical underground motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 3 m. Standard version with short 2 m cable.
N. 2 - FU100	Foundation box and lid in cold-galvanised steel.
N. 2 - RL650	Release system for underground motor with standard lever.
N. 1 - KIT EDGE1/20	Complete electronic kit with 36V EDGE1/BOX digital controller for 2 BRUSHLESS motors. With 2-channel radio receiver installed on board.

SET BR21

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET BR21/354	SET 2 electromechanical underground motors BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with short 2 m cable, with hot galvanised steel foundation boxes and cover and standard lever release system. Complete with electronics kit.		2628,00
SET COMPOSITION			
N. 2 - BR21/351	Electromechanical underground motor BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 4.5 m. Standard version with short 2 m cable.		
N. 2 - FU101	Foundation box and lid in hot-galvanised steel.		
N. 2 - RL650	Release system for underground motor with standard lever.		
N. 1 - KIT EDGE1/20	Complete electronic kit with 36V EDGE1/BOX digital controller for 2 BRUSHLESS motors. With 2-channel radio receiver installed on board.		

SET R21

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET R21/353	SET 2 electromechanical underground motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with 2 m short cable with foundation boxes and cover in cold galvanised steel and standard lever release system. Complete with electronics kit.		2329,00
SET COMPOSITION			
N. 2 - R21/351	Electromechanical underground motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with 2 m cable.		
N. 2 - FU100	Foundation box and lid in cold-galvanised steel.		
N. 2 - RL650	Release system for underground motor with standard lever.		
N. 1 - KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.		



SET R21

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET R21/354	SET 2 electromechanical underground motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with 2 m short cable with foundation boxes and cover in hot galvanised steel and standard lever release system. Complete with electronics kit.		2422,00
SET COMPOSITION			
N. 2 - R21/351	Electromechanical underground motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m. Standard version with 2 m cable.		
N. 2 - FU101	Foundation box and lid in hot-galvanised steel.		
N. 2 - RL650	Release system for underground motor with standard lever.		
N. 1 - KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.		

H21

UP TO 5 M



TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H21/500	Electromechanical underground motor 230V AC, irreversible, ideal for swing gates with leaf up to 5 m. Version with short 2 m cable.	50	685,00
			 
SET H21/510	SET 2 electromechanical underground motors 230V AC, irreversible, ideal for swing gates with leaf up to 5 m complete of foundation boxes in steel with cataphoresis finishing, with cold galvanized lid and release system. Complete with electronics kit. Version with short 2 m cable.		3.620,00
			 

FEATURES		
MODEL	H21/500	SET H21/510
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W
Motor power supply	230V AC	230V AC
Power rating	300W	300W
Frequency of use	30%	30%
Thrust	400N	400N
Operating temperature	-20+55 C°	-20+55 C°
Protection level	IP67	IP67
Manoeuvre speed	1,66 cm/s	1,66 cm/s
Opening time	19 s	19 s
Motor thermal protection	150 C°	150 C°
Limit switch	Mechanical stoppers	Mechanical stoppers
Encoder	-	-
Maximun opening	107°	107°

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H21

UP TO 5 M

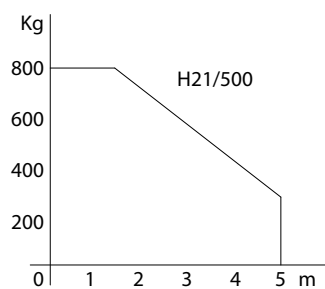
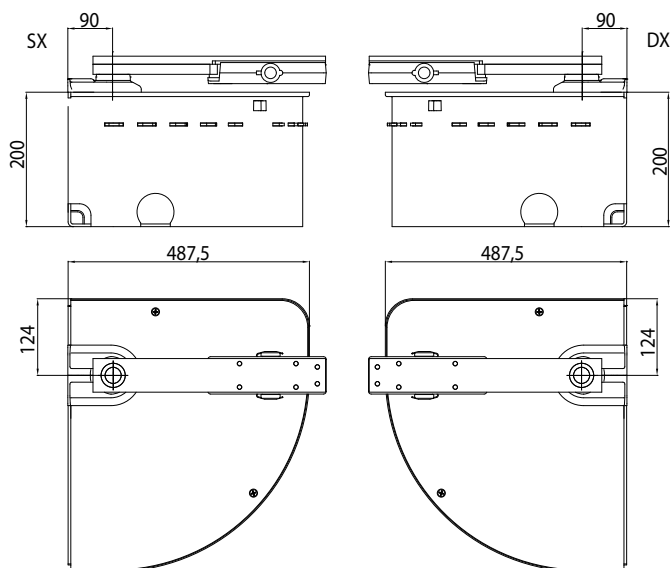
TRADITIONAL MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	H21/500
FU500DX	Right foundation box for H21/500 in steel with cataphoresis finishing and galvanised lid.	798,00 	√
FU500SX	Left foundation box for H21/500 in steel with cataphoresis finishing and galvanised lid.	798,00 	√
RL750	Release system for underground motor H21/500.	161,00 	√

DIMENSIONS IN MILLIMETERS



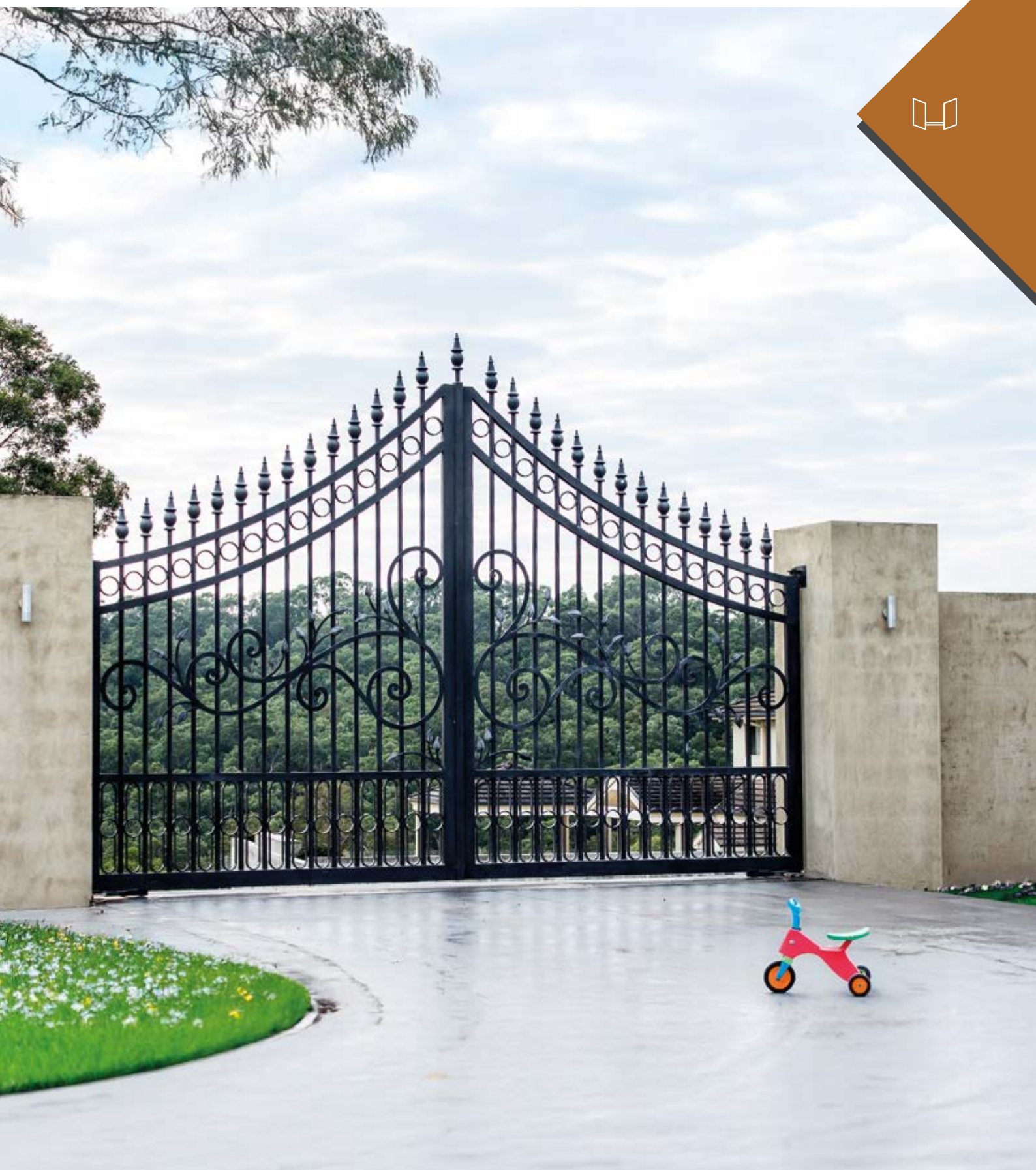
SET H21

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET H21/510	SET 2 electromechanical underground motors 230V AC, irreversible, ideal for swing gates with leaf up to 5 m complete of foundation boxes in steel with cataphoresis finishing, with cold galvanized lid and release system. Complete with electronics kit. Version with short 2 m cable.		3620,00
SET COMPOSITION			
N. 2 - H21/500	Electromechanical underground motor 230V AC, irreversible, ideal for swing gates with leaf up to 5 m. Version with short 2 m cable.		
N. 1 - FU500DX	Right foundation box for H21/500 in steel with cataphoresis finishing and galvanised lid.		
N. 1 - FU500SX	Left foundation box for H21/500 in steel with cataphoresis finishing and galvanised lid.		
N. 2 - RL750	Release system for underground motor H21/500.		
N. 1 - KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.		

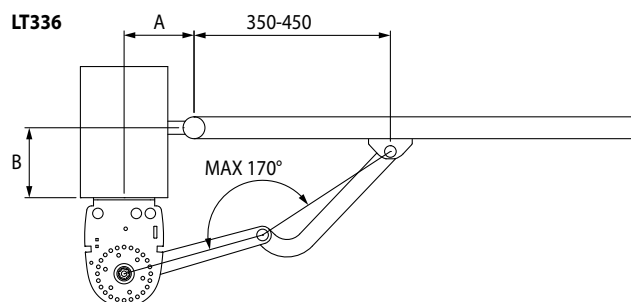




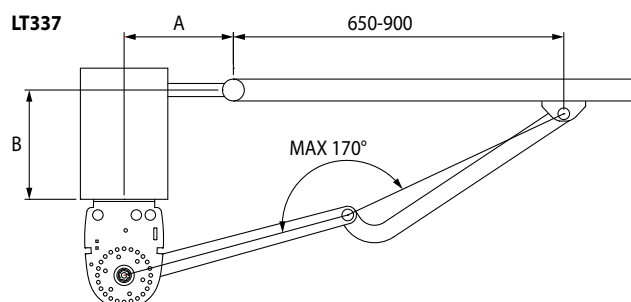


PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
AY/250/M	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. With digital controller and without articulated arms. Complete with fixing plates. With 2-channel radio receiver installed on board.	44	929,00
	  		 
AY/250/M/115	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. With digital controller and without articulated arms. Complete with fixing plates. With 2-channel radio receiver installed on board. With 2-channel radio receiver installed on board. 115V line power supply.	44	929,00
	  		 
AY/250/S	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing. Without digital controller and without articulated arms. Complete with fixing plates.	44	634,00
	  		 
KIT AY/255	KIT electromechanical articulated motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. Complete with digital controller (on AY/250/M motor), standard version short arms and fixing plates. With 2-channel radio receiver installed on board.	16	1.830,00
	  		 
KIT AY/270	KIT electromechanical articulated motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. Complete with digital controller (on AY/250/M motor), standard version short arms and fixing plates. With 2-channel radio receiver installed on board. 115V line power supply.	16	1.830,00
	  		 

LT336		
A	B	α°
130	50 - 120	90°
140	120	90°
150	50	95°
180	180 - 200	95°
200	200	95°



LT337		
A	B	α°
150	100	95°
150	450	90°
200	200	90°
250	0	120°
250	450	90°
300	200	90°


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AYRON

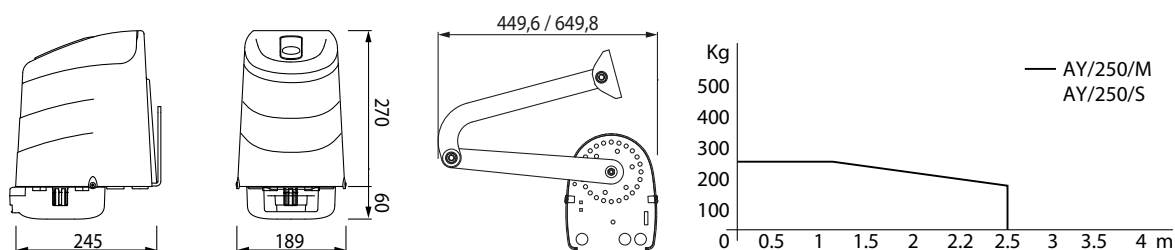
BRUSHLESS MOTOR



UP TO 2,5 M

FEATURES					
MODEL	AY/250/M (MASTER)	AY/250/M/115 (MASTER)	AY/250/S (SLAVE)	KIT AY/255	KIT AY/270
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	230V AC - 50Hz	115V AC - 60Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W		≤ 0,5W	≤ 0,5W
Motor power supply	24V	24V	24V	24V	24V
Power rating	150W	150W	150W	150W	150W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use	Intensive use
Torque	50 - 200 N m	50 - 200 N m	50 - 200 N m	50 - 200 N m	50 - 200 N m
Operating temperature	-20+55° C	-20+55° C	-20+55° C	-20+55° C	-20+55° C
Protection level	IP44	IP44	IP44	IP44	IP44
Manoeuvre speed	4 - 1,5 Rpm	4 - 1,5 Rpm	4 - 1,5 Rpm	4 - 1,5 Rpm	4 - 1,5 Rpm
Opening time	10-18 s	10-18 s	10-18 s	10-18 s	10-18 s
Limit switch	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing
Onboard control unit	B70/2ML	B70/2ML	-	B70/2ML (AY/250/M)	B70/2ML (AY/250/M)
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR
Release system	Internal lever or external lever with cord (optional)	Internal lever or external lever with cord (optional)	Internal lever or external lever with cord (optional)	Internal lever or external lever with cord (optional)	Internal lever or external lever with cord (optional)
Batteries recovery	2 external batteries 12V DC 1,2 Amp/h (on external box) - optional	2 external batteries 12V DC 1,2 Amp/h (on external box) - optional	2 internal batteries 12V DC 1.2 Amp/h (inside AY/250/S)	2 internal batteries 12V DC 1.2 Amp/h (inside AY/250/S)	2 internal batteries 12V DC 1.2 Amp/h (inside AY/250/S)
Operating cycles per day (opening/closing - 24 hours no stop)	800	800	800	800	800

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	AY/250/M (MASTER)	AY/250/M/115 (MASTER)	AY/250/S (SLAVE)
LT336	Arms short for articulated AYRON series.	116,00 	√	√	√
LT337	Arms long for articulated AYRON series.	147,00 	√	√	√
B71/BC	Batteries charger for Brushless digital controller B70/1DC - B70/1T.	95,00 	√	√	√
BT12V12	Battery 12V 1.2 Ah (1 pc).	49,00 	√	√	√
RL673	Kit for external release with existing handle for AYRON series.	52,00 	√	√	√

INSTALLATION OPTIONS

Option 1: with 2 different motors

MOTOR MASTER



1 SWING MOTOR WITH
CENTRAL ON BOARD

+

MOTOR SLAVE



1 SWING MOTOR WITH
BATTERY COMPARTMENT

Option 2: with 1 motor and Control Unit

MOTOR SLAVE



1 SWING MOTOR WITH
BATTERY COMPARTMENT

+

MOTOR SLAVE



1 SWING MOTOR WITH
BATTERY COMPARTMENT

+

B70/2ML/BOX





PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT AY/255	KIT electromechanical articulated motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. Complete with digital controller (on AY/250/M motor), standard version short arms and fixing plates. With 2-channel radio receiver installed on board.	16	1830,00
KIT COMPOSITION			
N. 1 - AY/250/M (MASTER)	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. With digital controller and without articulated arms. Complete with fixing plates. With 2-channel radio receiver installed on board.		
N. 1 - AY/250/S (SLAVE)	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing. Without digital controller and without articulated arms. Complete with fixing plates.		
N. 2 - LT336	Arms short for articulated AYRON series.		
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.		
N. 1 - FIFTY/24	LED flashing light 24V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

KIT AYRON

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT AY/270	KIT electromechanical articulated motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. Complete with digital controller (on AY/250/M motor), standard version short arms and fixing plates. With 2-channel radio receiver installed on board. 115V line power supply.	16	1830,00
KIT COMPOSITION			
N. 1 - AY/250/M/115 (MASTER)	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m, with mechanical stopper in opening and closing. With digital controller and without articulated arms. Complete with fixing plates. With 2-channel radio receiver installed on board. With 2-channel radio receiver installed on board. 115V line power supply.		
N. 1 - AY/250/S (SLAVE)	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing. Without digital controller and without articulated arms. Complete with fixing plates.		
N. 2 - LT336	Arms short for articulated AYRON series.		
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.		
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

BH23

UP TO 2,8 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BH23/282 	Electromechanical articulated motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates.	44	604,00
BH23/252/HS 	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates.	44	624,00
SET BH23/284 	SET 2 electromechanical articulated motor, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates and electronics kit.		1.884,00
SET BH23/254/HS 	SET 2 electromechanical articulated motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates and electronics kit.		1.935,00

FEATURES

MODEL	BH23/282	BH23/252/HS	SET BH23/284	SET BH23/254/HS
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption			≤ 0,5W	≤ 0,5W
Motor power supply	36V	36V	36V	36V
Power rating	160W	160W	160W	160W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use
Torque	50 - 280 N m	50 - 230 N m	50 - 280 N m	50 - 200 N m
Operating temperature	-20+55° C	-20+55° C	-20+55° C	-20+55° C
Protection level	IP44	IP44	IP44	IP44
Manoeuvre speed	1 - 1,9 Rpm	1,5 - 4 Rpm	1 - 1,9 Rpm	1,5 - 4 Rpm
Opening time	12-20 s	10-18 s	12-20 s	10-18 s
Limit switch	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing	Mechanical stopper in opening and closing
Recommended digital controllers	230V: EDGE1/BOX 115V: EDGE1/BOX/115	230V: EDGE1/BOX - 115V: EDGE1/BOX/115	-	-
Encoder	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR	Digital native encoder SENSORLESS 48 PPR
Operating cycles per day (opening/closing - 24 hours no stop)	1900	1200	1900	1200

[GO TO KIT](#)



[GO TO ACCESSORIES](#)

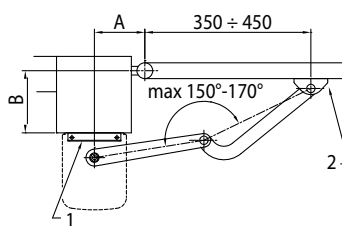
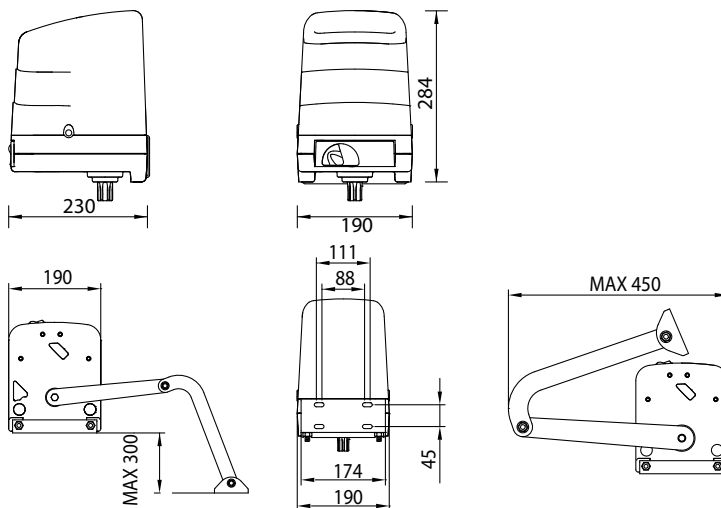


[BACK TO INDEX](#)

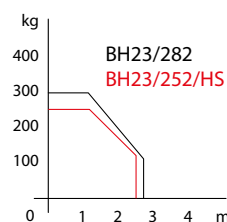


OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BH23/282	BH23/252/HS
LT338	Slide arm lever for articulated.	 217,00	√	
RL671	Metallic wire length 3 m for external release.	 27,00	√	√



BH23/282 - BH23/252/HS		
A	B	α°
130	50	90°
130	80	90°
130	100	90°
140	120	90°
150	50	95°
160	160	95°
180	180	95°
180	200	100°
200	200	100°
230	200	105°
250	250	105°
300	250	110°



DIMENSIONS IN MILLIMETERS

H23

UP TO 2,8 M



TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H23/282	Electromechanical articulated motor 230V AC, irreversible, ideal for swing gates with leaf up to 2.8 m with encoder, mechanical limit switch and short arms standard version. Complete with fixing plates.	44	608,00
			
SET H23/284	SET 2 electromechanical articulated motor 230V AC, irreversible, ideal for swing gates with leaf up to 2.8 m with encoder, mechanical limit switch and short arms standard version. Complete with fixing plates and electronics kit.		1.660,00
			

FEATURES		
MODEL	H23/282	SET H23/284
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W
Motor power supply	230V AC	230V AC
Power rating	200W	200W
Frequency of use	50%	50%
Torque	300 N m	300 N m
Operating temperature	-20+55° C	-20+55° C
Protection level	IP44	IP44
Manoeuvre speed	1,2 Rpm	1,2 Rpm
Opening time	12 s	12 s
Motor thermal protection	150° C	150° C
Limit switch	Microswitch in opening and closing	Microswitch in opening and closing
Encoder	Optical	Optical



H23

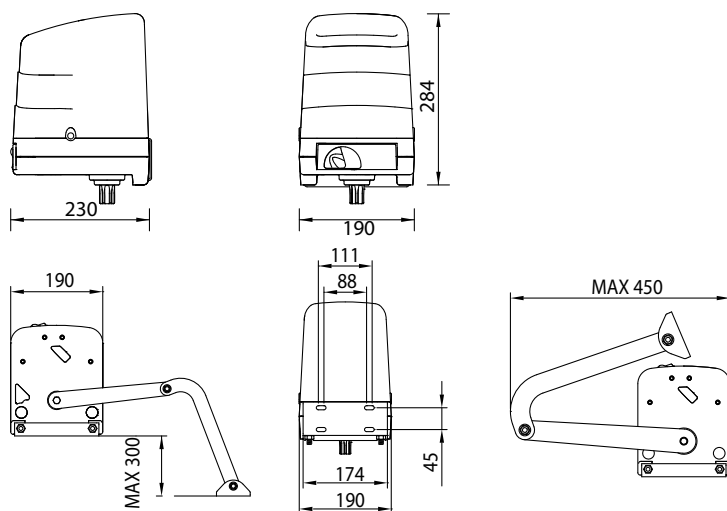
UP TO 2,8 M

TRADITIONAL MOTOR

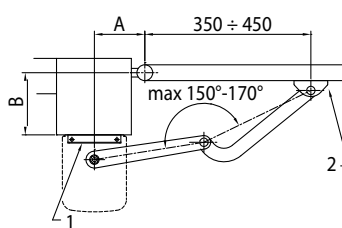


OPTIONAL ACCESSORIES

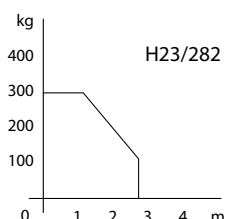
CODE	DESCRIPTION	PICTURE / PRICE EURO	H23/282
LT338	Slide arm lever for articulated.	217,00 	✓
RL671	Metallic wire length 3 m for external release.	27,00 	✓



DIMENSIONS IN MILLIMETERS



H23/282		
A	B	α°
130	50	90°
130	80	90°
130	100	90°
140	120	90°
150	50	95°
160	160	95°
180	180	95°
180	200	100°
200	200	100°
230	200	105°
250	250	105°
300	250	110°



SET BH23

BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET BH23/284	SET 2 electromechanical articulated motor, BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates and electronics kit.		1884,00
SET COMPOSITION			
N. 2 - BH23/282	Electromechanical articulated motor BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.8 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates.		
N. 1 - KIT EDGE1/20	Complete electronic kit with 36V EDGE1/BOX digital controller for 2 BRUSHLESS motors. With 2-channel radio receiver installed on board.		



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET BH23/254/HS	SET 2 electromechanical articulated motor HIGH SPEED BRUSHLESS low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates and electronics kit.		1935,00
SET COMPOSITION			
N. 2 - BH23/252/HS	Electromechanical articulated motor HIGH SPEED BRUSHLESS, low voltage, super intensive use, with native encoder on-board, irreversible, ideal for swing gates with leaf up to 2.5 m with mechanical stopper in opening and closing and short arms standard version. Complete with fixing plates.		
N. 1 - KIT EDGE1/20	Complete electronic kit with 36V EDGE1/BOX digital controller for 2 BRUSHLESS motors. With 2-channel radio receiver installed on board.		

SET H23

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET H23/284	SET 2 electromechanical articulated motor 230V AC, irreversible, ideal for swing gates with leaf up to 2.8 m with encoder, mechanical limit switch and short arms standard version. Complete with fixing plates and electronics kit.		1660,00
SET COMPOSITION			
N. 2 - H23/282	Electromechanical articulated motor 230V AC, irreversible, ideal for swing gates with leaf up to 2.8 m with encoder, mechanical limit switch and short arms standard version. Complete with fixing plates.		
N. 1 - KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.		

SLED

UP TO 1,8 M



BRUSHLESS MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
SL/180/R	Electromechanical motor BRUSHLESS IPU TECHNOLOGY, low voltage, intensive use, REVERSIBLE, on-board power inverter with integrated digital encoder, ideal for leaf up to 1.8 m, without arms. Complete with column fixing plate.	50	1.100,00

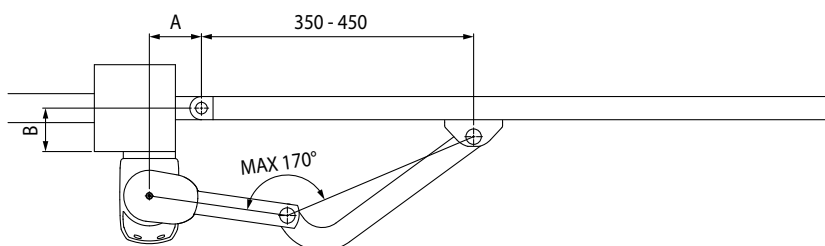


FEATURES	
MODEL	SL/180/R
Power line supply	230V AC 50Hz
Motor power supply	36V
Power rating	200W
Frequency of use	Intensive use
Torque	105 N m
Operating temperature	-20 + 55° C
Protection level	IP44
Manoeuvre speed	0,6 - 6,6 Rpm
Opening time	6-30 s
Limit switch	Mechanical stop on opening and closing only with LT341 accessory
Recommended digital controllers	F70/IPU36/BOX - F70/IPU36/BOX/SL
Encoder	Digital magnetic encoder SENSORED, 4096 PPR
Batteries recovery	3 external batteries 12V DC 4,5 Amp/h (on external box) - optional
Operating cycles per day (opening/closing - 24 hours no stop)	2700

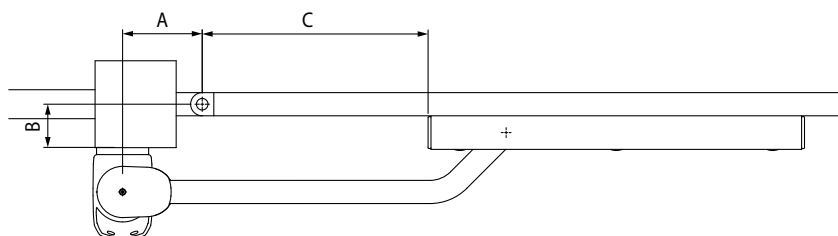
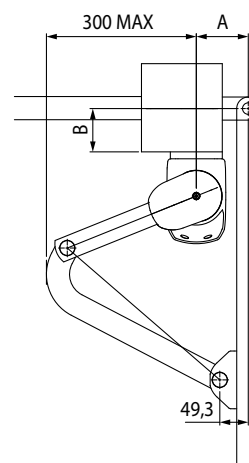


SLED

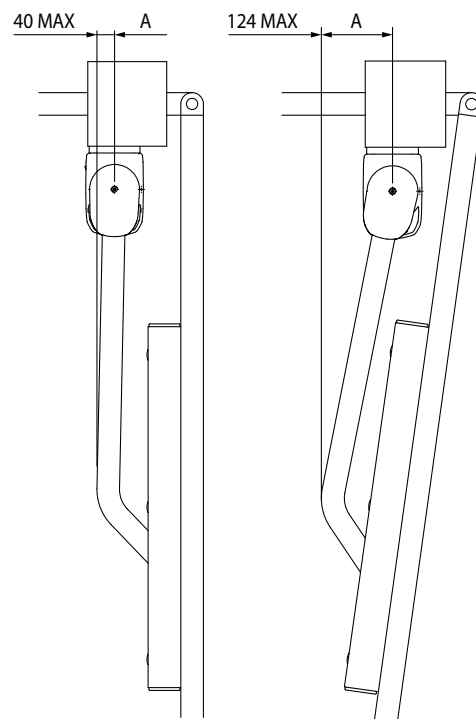
BRUSHLESS MOTOR



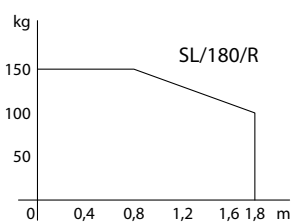
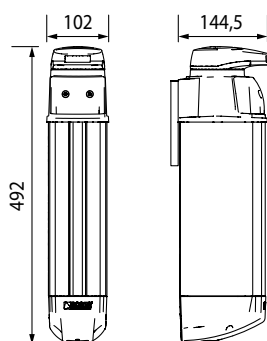
SLED - ARTICULATED ARM LT340		
A	B	α°
90	50	90°
120	60	95°
150	100	95°
180	100	95°
200	120	95°



SLED - SLIDE ARM LT341			
A	B	C	α°
120	50	400	90°
150	100	400	100°
200	50	350	105°
200	100	300	105°
250	100	300	100°



DIMENSIONS IN MILLIMETERS



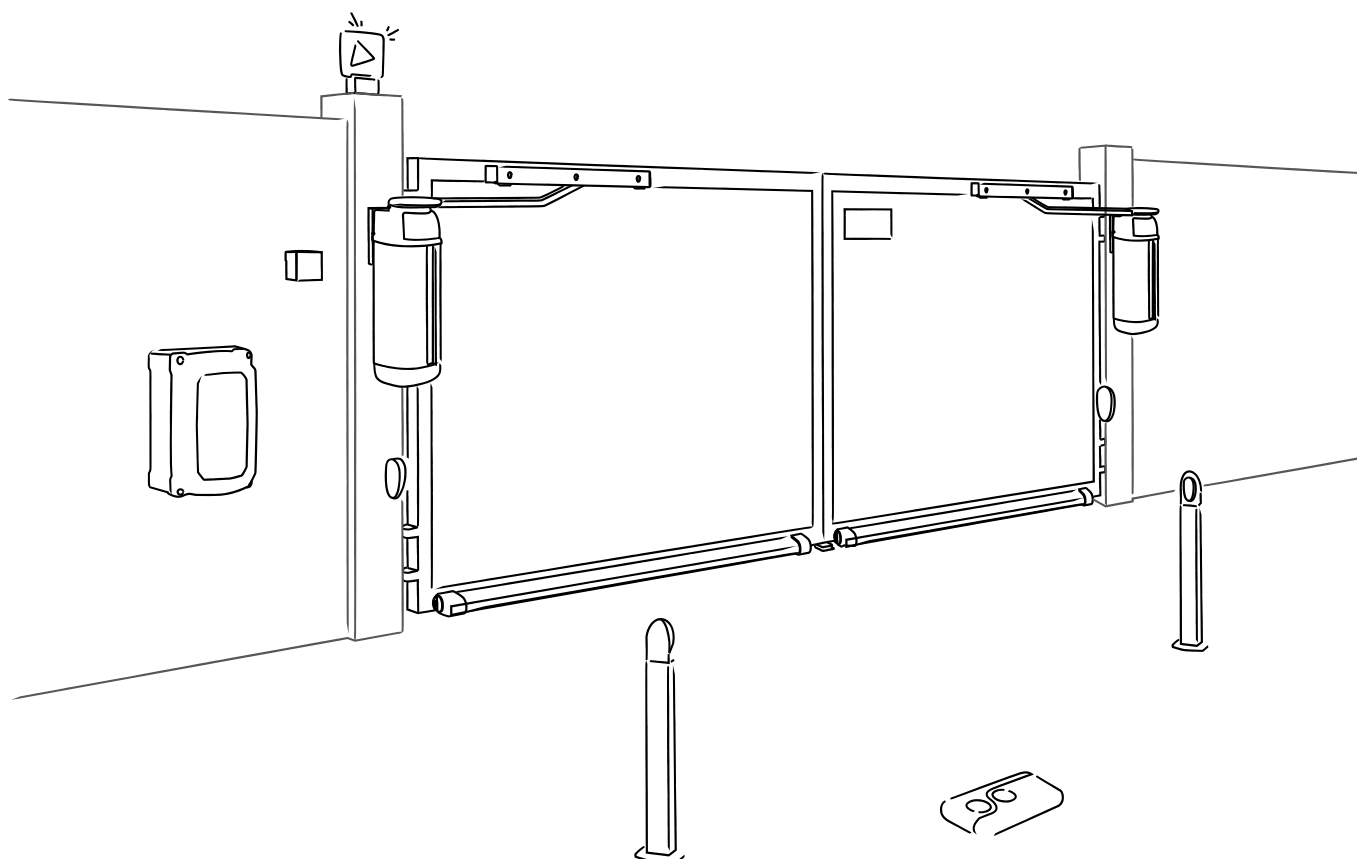
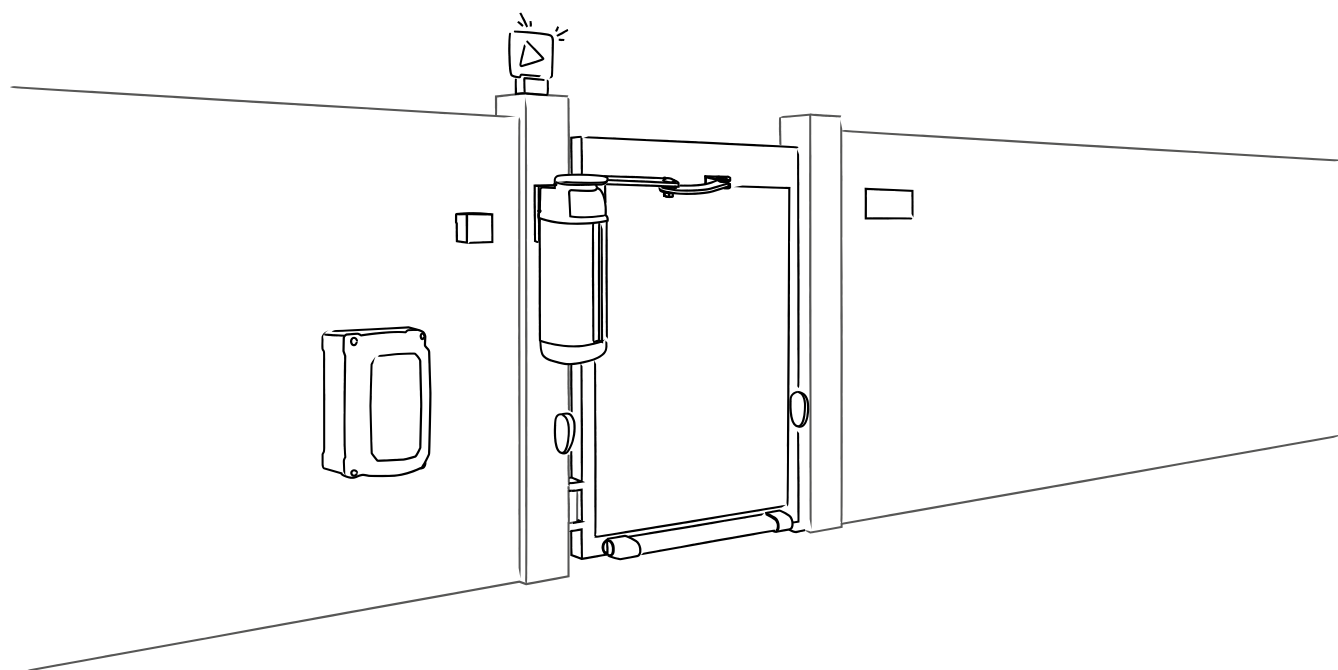
OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		SL/180/R
LT340	Arms short for articulated SLED series complete with screws and bracket for attachment to the gate.	82,00		√
LT341	Slide arm lever for articulated SLED series.	183,00		√
B71/BCIPU	Batteries charger for Brushless digital controller F70/IPU36.	87,00		√
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00		√
B73/RGB	RGB light control device for F70/INV36/1 modules (for IPU TECHNOLOGY automations).	96,00		√
SL/LED/RGB	Multicoloured RGB LED (red, green + other colours) for SLED motors.	44,00		√

NOTE: B71/BCIPU WILL BE AVAILABLE TOWARDS THE LAST QUARTER OF THE YEAR 2025

SLED

BRUSHLESS MOTOR

ROGER
BRUSHLESS



SWING GATE MOTOR





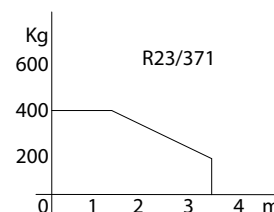
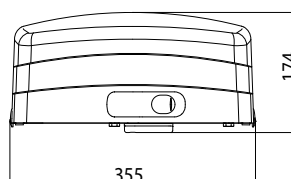
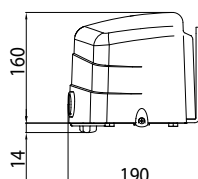
PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
R23/371 	Electromechanical articulated motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m with mechanical limit switch, without arms. Complete with fixing plates.	48	644,00	
SET R23/373 	SET 2 electromechanical articulated motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m with mechanical limit switch and short arms standard version. Complete with fixing plates and electronics kit.		1.889,00	
SET R23/374 	SET 2 electromechanical articulated motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m with mechanical limit switch and long arms. Complete with fixing plates and electronics kit.		1.985,00	

FEATURES

MODEL	R23/371	SET R23/373	SET R23/374
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W	≤ 0,5W
Motor power supply	230V AC	230V AC	230V AC
Power rating	200W	200W	200W
Frequency of use	50%	50%	50%
Torque	400 N m	400 N m	400 N m
Operating temperature	-20+55° C	-20+55° C	-20+55° C
Protection level	IP44	IP44	IP44
Manoeuvre speed	1,5 Rpm	1,5 Rpm	1,5 Rpm
Opening time	14 s	14 s	14 s
Motor thermal protection	150° C	150° C	150° C
Limit switch	Microswitch in opening and closing	Microswitch in opening and closing	Microswitch in opening and closing
Encoder	-	-	-

With long arms LT303		
A	B	α°
120	200	90°
150	120	100°
150	400	90°
200	100	105°
200	350	90°
200	500	90°
250	350	90°
250	450	90°

With short arms LT302		
A	B	α°
120	80	95°
120	300	90°
140	120	100°
160	160	100°
180	200	105°
200	80	115°
200	250	105°
200	300	100°


[GO TO KIT](#)
[GO TO ACCESSORIES](#)
[BACK TO INDEX](#)


R23

UP TO 3,5 M

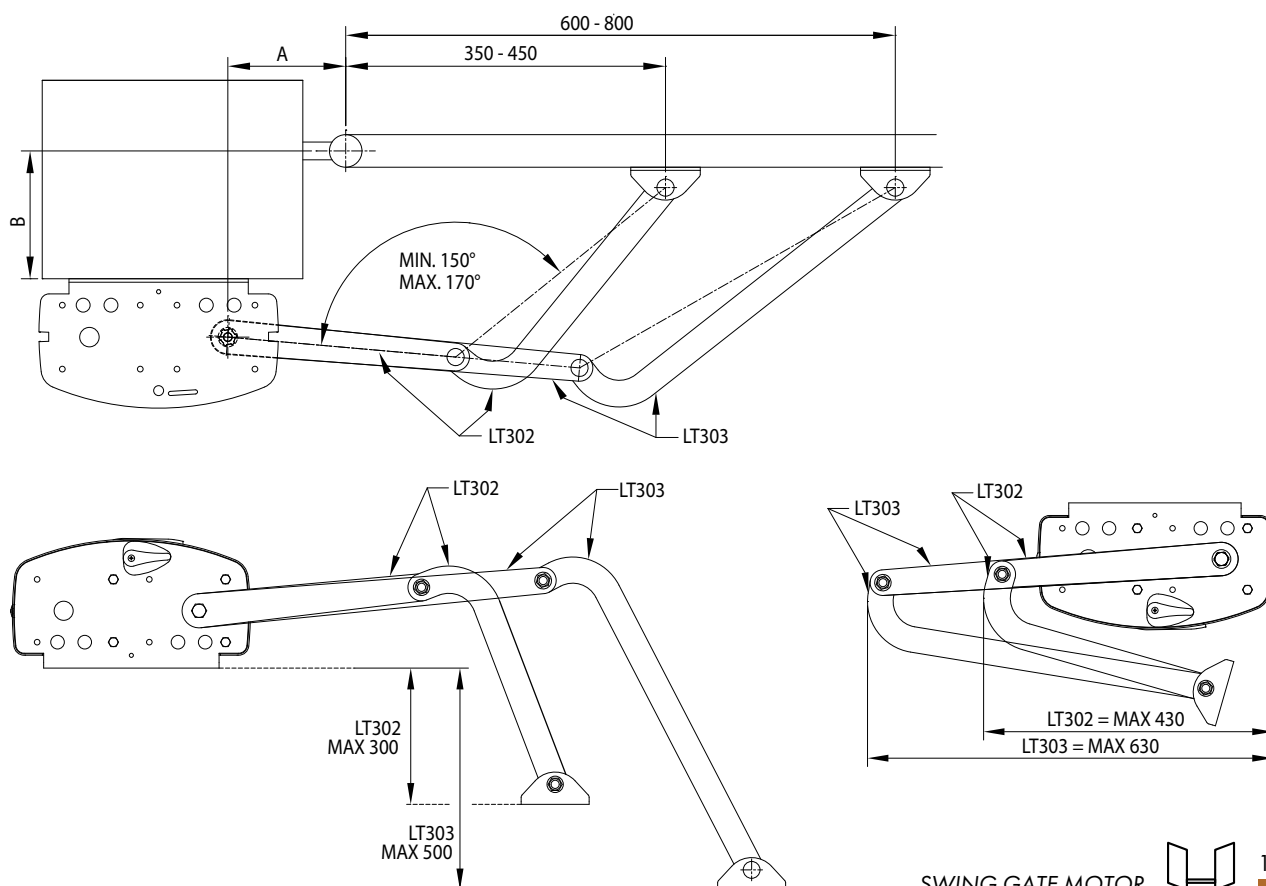
TRADITIONAL MOTOR



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R23/371
LT302	Arms short for articulated motor.	90,00 	√
LT303	Arms long for articulated motor.	140,00 	√
LT338	Slide arm lever for articulated.	217,00 	√

DIMENSIONS IN MILLIMETERS



SWING GATE MOTOR



SET R23

TRADITIONAL MOTOR



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET R23/373	SET 2 electromechanical articulated motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m with mechanical limit switch and short arms standard version. Complete with fixing plates and electronics kit.		1889,00
SET COMPOSITION			
N. 2 - R23/371	Electromechanical articulated motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m with mechanical limit switch, without arms. Complete with fixing plates.		
N. 2 - LT302	Arms short for articulated motor.		
N. 1 - KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.		



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
SET R23/374	SET 2 electromechanical articulated motors 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m with mechanical limit switch and long arms. Complete with fixing plates and electronics kit.		1985,00
SET COMPOSITION			
N. 2 - R23/371	Electromechanical articulated motor 230V AC, irreversible, ideal for swing gates with leaf up to 3.5 m with mechanical limit switch, without arms. Complete with fixing plates.		
N. 2 - LT303	Arms long for articulated motor.		
N. 1 - KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.		



FIXING PLATE INCLUDED



SERIE MONOS4

KT246



SERIE MONOS4/220

KT246



SERIE BE20/200/HS

KT206/R



SERIE BE20/200

KT206/R



SERIE BE20/400

KT205/R



SERIE BR20

KT205



SERIE R20/300

KT206



SERIE R20/302

KT206



SERIE R20/500

KT205



SERIE R20/502

KT205



SERIE SMARTY4/HS

KT237



SERIE SMARTY5

KT237



SERIE SMARTY5R5

KT237



SERIE SMARTY7R

KT238



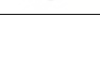
SERIE SMARTY7R

KT238



SERIE H20

KT201



SERIE SLED

KT250





AUTOMATIC BARRIERS

Roger Technology automatic barriers have been designed in different version and represent the ideal solution for all automations used in residential, condominium, commercial and industrial car parks. Highly successful, the barriers for motorway car parks, are fast and integrated with Vehicle Priority Systems.

All of the versions have been developed with a modern design and are strong with a low aesthetic impact.

PRODUCT LEGEND



Brushless Motor with Digital Technology designed, manufactured and assembled in Italy by Roger Technology



Precision 230V Asynchronous Motor, designed and manufactured in Italy by Roger Technology

MOTOR TYPE

-  Brushless Motor
-  Standard Motor

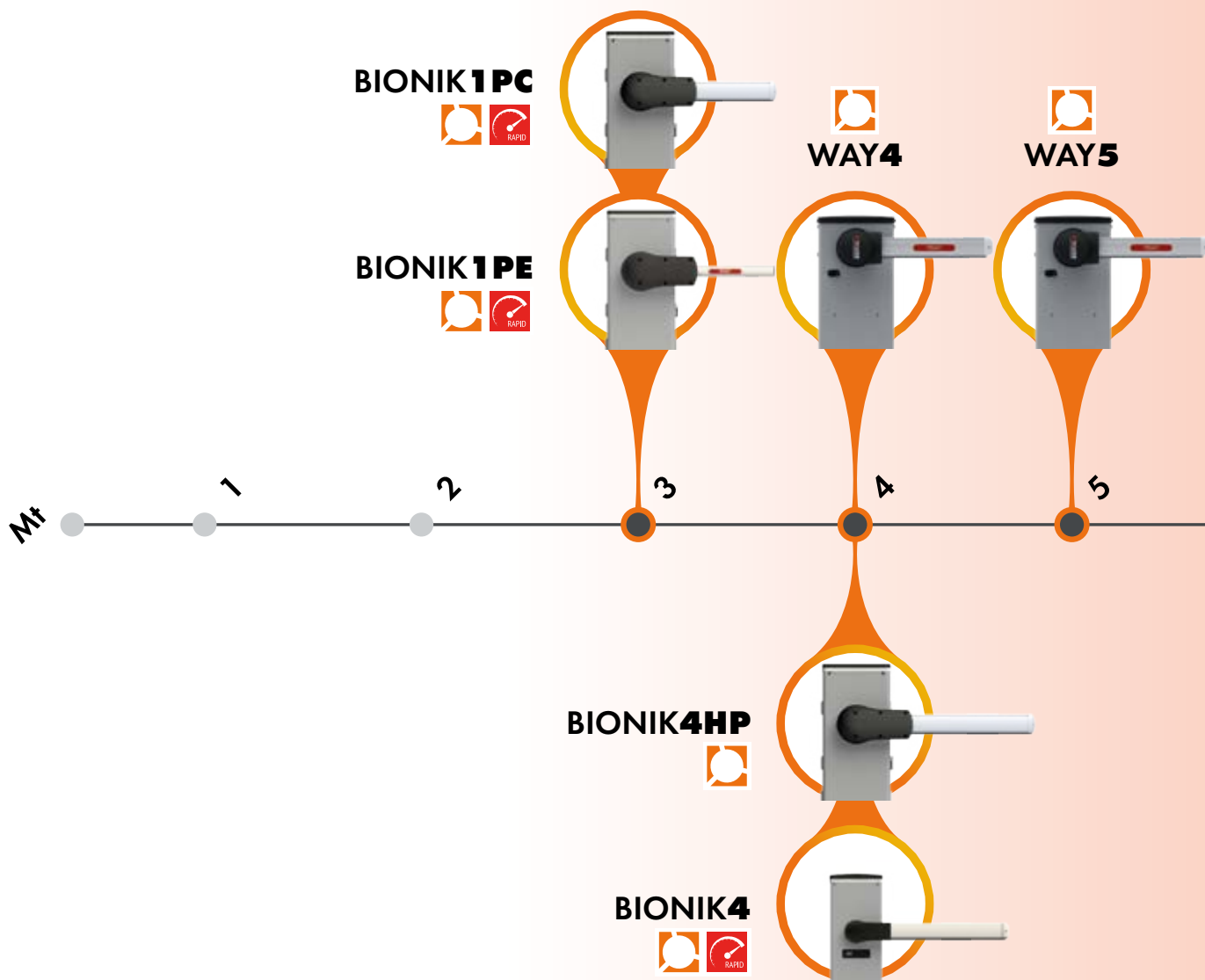
PRIMARY ADVANTAGE

-  Intensive Use
-  Reversible Motor
-  High Speed Motor

BETTER USE

-  Residential Use
-  Commercial Use
-  Industrial Use
-  Parking

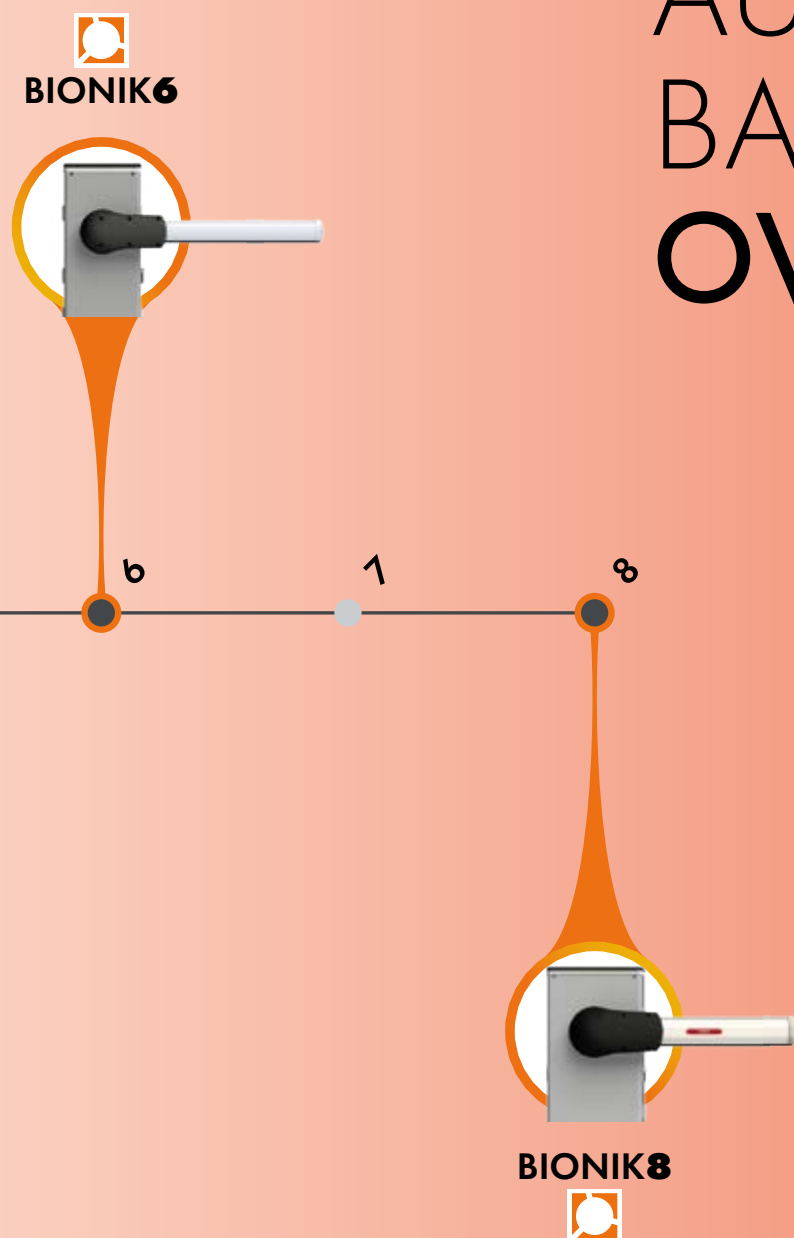




-  Brushless Motor
-  230V AC Motor
-  High Speed Motor
-  Reversible Motor



AUTOMATIC BARRIERS OVERVIEW



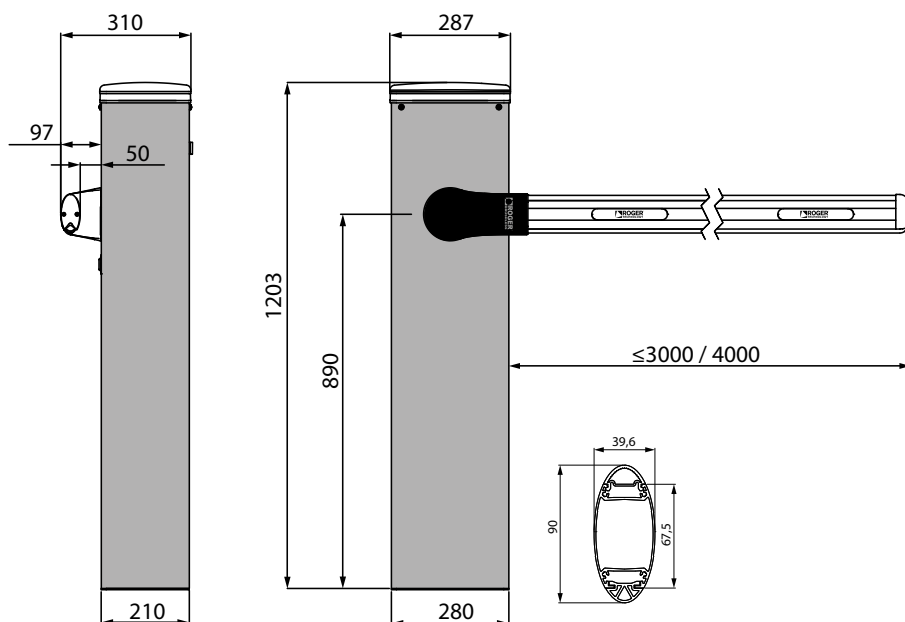
BIONIK 4

BOOM UP TO 4 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BI/004	Barrier BRUSHLESS 36V DC for 3 or 4 m booms, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header.	8	2.337,00
 			
BI/004/115	Barrier BRUSHLESS 36V DC for 3 or 4 m booms, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. 115V line power supply.	8	2.337,00
 			
BI/004/IS	Barrier BRUSHLESS 36V DC for 3 or 4 m booms, with control unit and absolute encoder, irreversible, complete with stainless steel fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Version with housing unit made in satin stainless steel AISI 304.	8	3.447,00
 			
BI/004/IS/115	Barrier BRUSHLESS 36V DC for 3 or 4 m booms, with control unit and absolute encoder, irreversible, complete with stainless steel fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Version with housing unit made in satin stainless steel AISI 304. 115V line power supply.	8	3.447,00
 			



BI/004 - BI/004/115

Cabinet: painted RAL9006 arabesque grey

Head: black arabesque silver painted

Boom support: plastic RAL9005

Boom: painted RAL9010 matt

BI/004/IS - BI/004/IS/115

Cabinet: brushed stainless steel AISI 304

Head: black arabesque silver painted

Boom support: plastic RAL9005

Boom: painted RAL9010 matt



BIONIK 4

BOOM UP TO 4 M

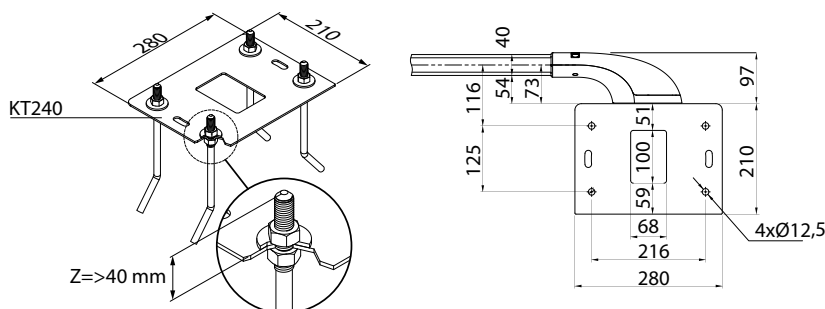
BRUSHLESS MOTOR



FEATURES				
MODEL	BI/004	BI/004/115	BI/004/IS	BI/004/IS/115
Barriers	Up to 4 mt long	Up to 4mt long	Up to 4 mt long	Up to 4 mt long
Power line supply	230V AC - 50 Hz	115V AC - 60 Hz	230V AC - 50Hz	115V AC - 60Hz
Motor power supply	36V DC	36V DC	36V DC	36V DC
Power rating	220W	220W	220W	220W
Frequency of use	Continue	Continue	Continue	Continue
Torque	0 - 200 N m	0 - 200 N m	0 - 200 N m	0 - 200 N m
Operating temperature	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°
Protection level	IP54	IP54	IP54	IP54
Opening time	2÷6 sec (up to 3 m) - 3÷6 sec (up to 4 m)	2÷6 sec (up to 3 m) - 3÷6 sec (up to 4 m)	2÷6 sec (up to 3 m) - 3÷6 sec (up to 4 m)	2÷6 sec (up to 3 m) - 3÷6 sec (up to 4 m)
Onboard control unit	CTRL	CTRL	CTRL	CTRL
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Accessories power supply	24V DC	24V DC	24V DC	24V DC
Release system	STANDARD Key cylinder - Optional European Cylinder (Cod. RL670)	STANDARD Key cylinder - Optional European Cylinder (Cod. RL670)	STANDARD Key cylinder - Optional European Cylinder (Cod. RL670)	STANDARD Key cylinder - Optional European Cylinder (Cod. RL670)
Batteries recovery	Available (optional)	Available (optional)	Available (optional)	Available (optional)
BUS synchronization Master/Slave	Yes	Yes	Yes	Yes
Operating cycles per day (opening/closing - 24 hours no stop)	5000	5000	5000	5000

High Speed version only with 3mt boom

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/004	BI/004/115	BI/004/IS	BI/004/IS/115
SP/48/01	Spring diameter 48 mm for barriers.	167,00 	✓	✓	✓	✓
SP/48/G14	Spring diameter 48 mm only for BI/004 with boom less than 2.2 m.	110,00 	✓	✓	✓	✓
SP/61/01	Spring diameter 61 mm for barriers.	188,00 	✓	✓	✓	✓
SP/72/01	Spring diameter 72 mm for barriers.	196,00 	✓	✓	✓	✓
BA/68/3	White painted aluminum boom, 3 meters long, with LED cover profile and impact resisteng 210,00 rubber profile.		✓	✓	✓	✓
BA/68/4	White painted aluminum boom, 4 meters long, with LED cover profile and impact resisteng 280,00 rubber profile.		✓	✓	✓	✓
SND/BA/68/DW	Articulated joint 90° with lower tie rod for boom BA/68.	391,00 	✓	✓	✓	✓
SND/BA/68/UP	Articulated joint 90° with upper tie rod for boom BA/68.	391,00 	✓	✓	✓	✓
SND/BA/68/UP/RD	Articulated joint 90° with upper tie rod (lowered version) for boom BA/68.	391,00 	✓	✓	✓	✓

BIONIK 4

BOOM UP TO 4 M

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES						
CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/004	BI/004/115	BI/004/IS	BI/004/IS/115
BARK/02	Painted aluminum skirting, with stainless steel screws mounted on bronze bushings. Single module length 2 meters.	 226,00	√	√	√	√
ACS/BA/60	Break-away system for barrier, compatible only with BA/60/3 boom arm.	 622,00	√	√	√	√
ACS/BA/68	Break-away system for barrier, compatible with BA/68/3 and BA/68/4 boom arm.	 690,00	√	√	√	√
KT247	Support for rectangular boom for BI/004 up to 4 m and max. 3.6 kg.	 238,00	√	√	√	√
ALED/4C	4-metre LED strip with connection cable for barrier boom (red colour).	 109,00	√	√	√	√
ALED/4C/RGB	4-metre multicoloured RGB LED (red, green + other colours) strip with connection cable for barrier boom.	 134,00	√	√	√	√
BI/BLED/4/RGB	Multicoloured RGB LED strip (red, green + other colours) with connection cable for BI/004 barrier header.	 59,00	√	√	√	√
BAFS/01	Fixed support with rubber, not adjustable, for booms.	 127,00	√	√	√	√
BAFS/02	Fixed support with rubber, adjustable telescoping, for booms.	 212,00	√	√	√	√



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/004	BI/004/115	BI/004/IS	BI/004/IS/115
BAFS/03	Fixed support with rubber, not adjustable, with predisposition for bolt, for booms.	127,00		√	√	√	√
BAFS/04	Fixed support with rubber, adjustable telescoping, with predisposition for bolt, for booms.	212,00		√	√	√	√
BAFS/05	Adjustable fixed support with vandal-proof magnetic suction cup, complete with B72/D6S demagnetizer card, for booms.	582,00		√	√	√	√
BAMS/01	Mobile support for booms.	125,00		√	√	√	√
BAMS/01/EXT	Extension 20 cm for mobile support BAMS/01.	26,00		√	√	√	√
BI/BAT/KIT	Kit for emergency batteries charger for Brushless digital controller CTRL 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Kit for BIONIK barrier.	253,00		√	√	√	√
BI/BCHP	Plug-in card, batteries charger, for Brushless digital controller CTRL 36V DC, without recovery batteries, for BIONIK barrier.	75,00		√	√	√	√
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00		√	√	√	√
KT231	Fixing plate for fixed supports codes BAFS/01, BAFS/02, BAFS/03, BAFS/04, BAFS/05.	17,00		√	√	√	√

BIONIK 4

BOOM UP TO 4 M

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES						
CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/004	BI/004/115	BI/004/IS	BI/004/IS/115
B73/EXP	Signal status board, 2 output for CTRL - CTRL/P.	51,00 	√	√	√	√
B73/LTM	RGB boom light and traffic light control device for CTRL.	134,00 	√	√	√	√
DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC.	315,00 	√	√	√	√
DLD2/24	Loop detector for 2 loops, 2 outputs + output alarm, 24V AC/DC.	438,00 	√	√	√	√
RL670	European cylinder key (DIN) for release system series SMARTY - BIONIK.	54,00 	√	√	√	√
KT239	Kit DIN rail with magnetic supports.	84,00 	√	√		
KT242	Kit for cable passage with magnetic support for barriers.	39,00 	√	√		
R99/BASB20	Pack of 20 reflective adhesive stickers for boom barrier.	23,00 	√	√	√	√

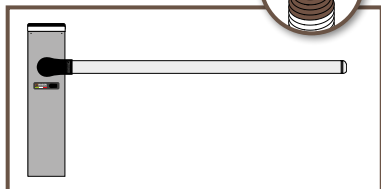


BIONIK 4 Configuration

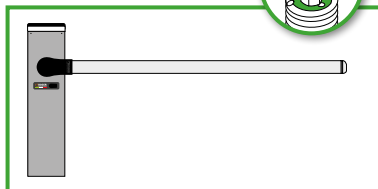
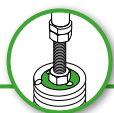
BOOM UP TO 4 M

WITH BOOM

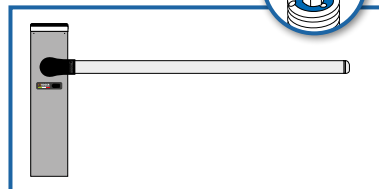
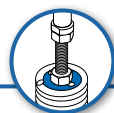
Parking version
from 1 to 2,20 m



Parking version
from 2,20 to 2,80 m

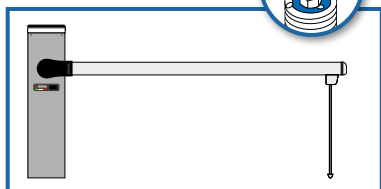
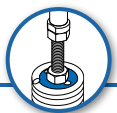


From 3 to 4 m

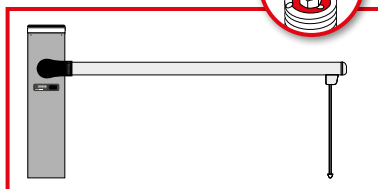
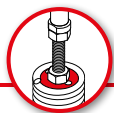


BOOM WITH HINGED
AND REST

Up to 3 m

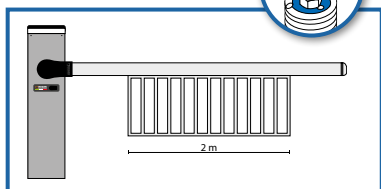
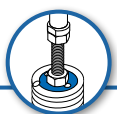


Up to 4 m

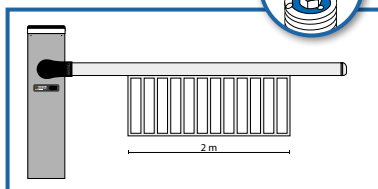
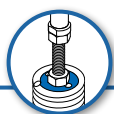


BOOM WITH
DROP SKIRT

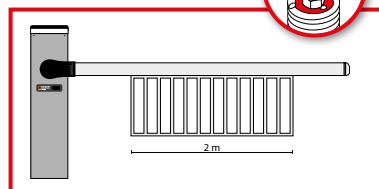
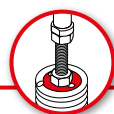
Parking version
from 2,20 to 2,80 m



Up to 3 m

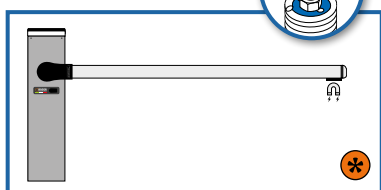
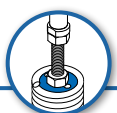


Up to 4 m



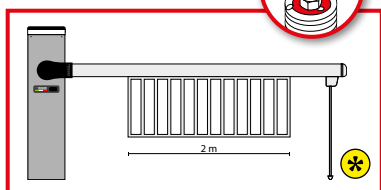
BOOM WITH MAGNET

From 3 to 4 m



BOOM WITH DROP SKIRT,
HINGED AND REST

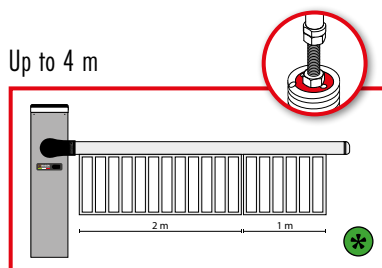
From 3 to 4 m



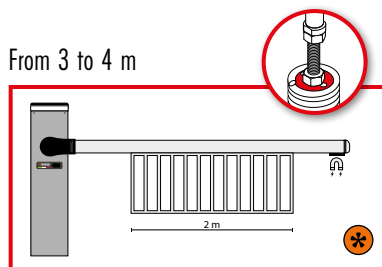
Configuration

BOOM UP TO 4 M

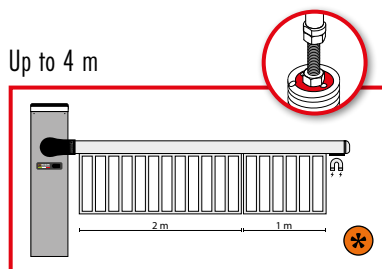
BOOM WITH TWIN
DROP SKIRT



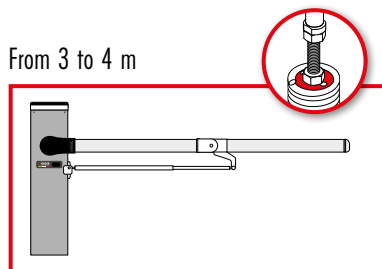
BOOM WITH DROP SKIRT
AND MAGNET



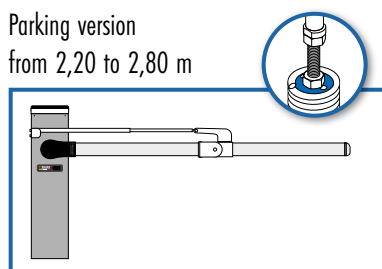
BOOM WITH TWIN DROP
SKIRT AND MAGNET



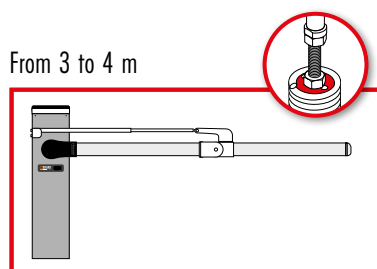
BOOM WITH LOWER
PIVOT POINT



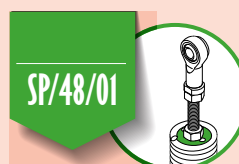
BOOM WITH UPPER
PIVOT POINT



From 3 to 4 m



LEGEND



- ALL THE BOOMS ARE COMPLETE WITH PROTECTIVE RUBBER AND STRIP LED ALREADY PUT IN
- THE ADJUSTABLE FIXED END REST WITH INTEGRATED MAGNET BAFS/05 MUST BE USED
- WITH COMPULSORY FIXED END REST
- CONFIGURATION ONLY POSSIBLE IF THE DROP SKIRT IS INSTALLED AS CLOSE AS POSSIBLE TO THE CABINET



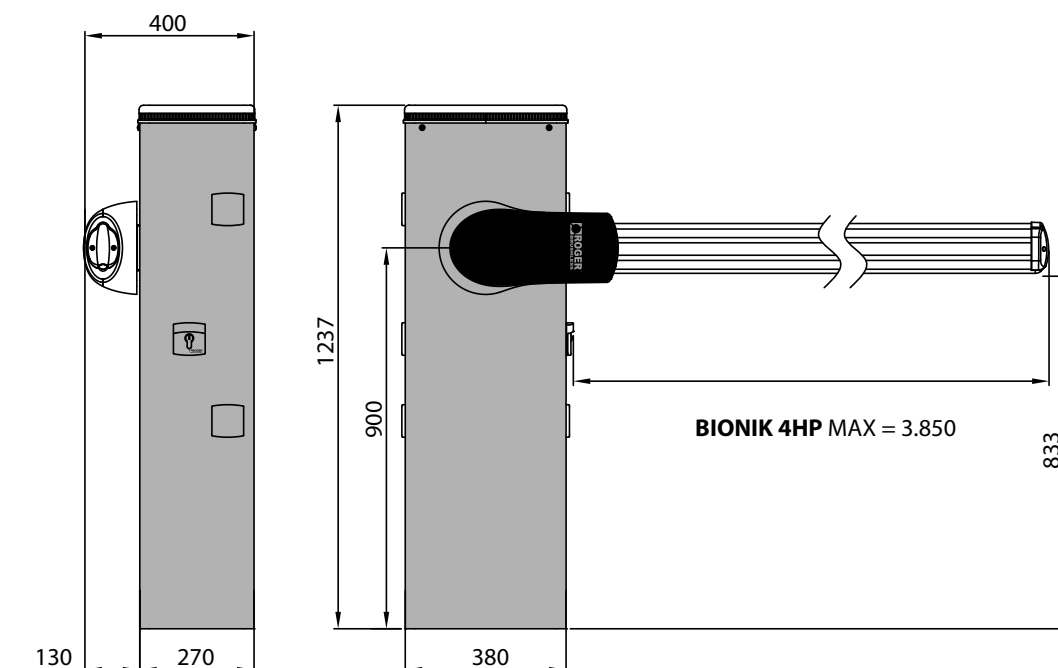
BIONIK 4HP

BOOM UP TO 4 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BI/004HP 	Barrier BRUSHLESS 36V DC for booms up to 4 m, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header.	6	2.856,00	  
BI/004HP/115 	Barrier BRUSHLESS 36V DC for booms up to 4 m, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. 115V line power supply.	6	2.856,00	  
BI/004HP/IS 	Barrier BRUSHLESS 36V DC for booms up to 4 m, with control unit and absolute encoder, irreversible, complete with stainless steel fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Version with housing unit made in satin stainless steel AISI 304.	6	4.679,00	  
BI/004HP/IS/115 	Barrier BRUSHLESS 36V DC for booms up to 4 m, with control unit and absolute encoder, irreversible, complete with stainless steel fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Version with housing unit made in satin stainless steel AISI 304. 115V line power supply.	6	4.679,00	  



BI/004HP - BI/004HP/115

Cabinet: painted RAL9006 arabesque grey
Head: black arabesque silver painted
Boom support: black arabesque silver painted
Boom: painted RAL9010 matt

BI/004HP/IS - BI/004HP/IS/115

Cabinet: brushed stainless steel AISI 304
Head: black arabesque silver painted
Boom support: black arabesque silver painted
Boom: painted RAL9010 matt



BIONIK 4HP

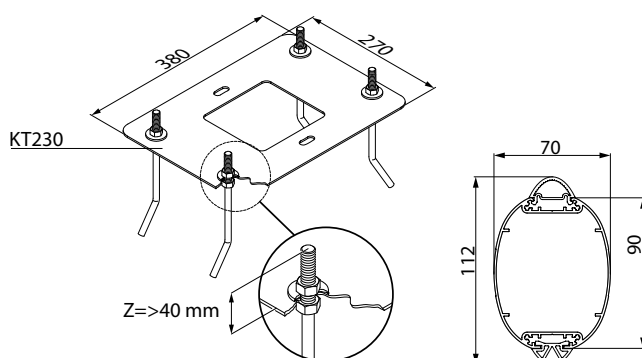
BRUSHLESS MOTOR



BOOM UP TO 4 M

FEATURES				
MODEL	BI/004HP	BI/004HP/115	BI/004HP/IS	BI/004HP/IS/115
Barriers	Up to 4 mt long	Up to 4 mt long	Up to 4 mt long	Up to 4 mt long
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz
Motor power supply	36V DC	36V DC	36V DC	36V DC
Power rating	220W	220W	220W	220W
Frequency of use	Super intensive use	Super intensive use	Super intensive use	Super intensive use
Torque	10 - 200 N m	10 - 200 N m	10 - 200 N m	10 - 200 N m
Operating temperature	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°
Protection level	IP54	IP54	IP54	IP54
Opening time	3 ÷ 6 (sec)	3 ÷ 6 (sec)	3 ÷ 6 (sec)	3 ÷ 6 (sec)
Onboard control unit	CTRL	CTRL	CTRL	CTRL
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Accessories power supply	24V DC	24V DC	24V DC	24V DC
Release system	European Key cylinder	European Key cylinder	European Key cylinder	European Key cylinder
Batteries recovery	Available (optional)	Available (optional)	Available (optional)	Available (optional)
BUS synchronization Master/Slave	Yes	Yes	Yes	Yes
Operating cycles per day (opening/closing - 24 hours no stop)	5000	5000	5000	5000

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/004HP	BI/004HP/115	BI/004HP/IS	BI/004HP/IS/115
SP/72/01	Spring diameter 72 mm for barriers.	196,00 	✓	✓	✓	✓
SP/83/01	Spring diameter 83 mm for barriers.	264,00 	✓	✓	✓	✓
BA/91/3	White painted aluminum boom, 3 meters long, with LED cover profile and impact resisteng 286,00 rubber profile.		✓	✓	✓	✓
BA/91/4	White painted aluminum boom, 4 meters long, with LED cover profile and impact resisteng 381,00 rubber profile.		✓	✓	✓	✓
JNT/BA/91	Internal connection joint, anodised aluminium, with fixing screws for BA/91 booms,	92,00 	✓	✓	✓	✓
SND/BA/91/DW	Articulated joint 90° with lower tie rod for boom BA/91.	385,00 	✓	✓	✓	✓
SND/BA/91/UP	Articulated joint 90° with upper tie rod for boom BA/91.	385,00 	✓	✓	✓	✓
BARK/02	Painted aluminum skirting, with stainless steel screws mounted on bronze bushings. Single 226,00 module length 2 meters.		✓	✓	✓	✓
ACS/BA/60	Break-away system for barrier, compatible only with BA/60/3 boom arm.	622,00 	✓	✓	✓	✓

BIONIK 4HP

BOOM UP TO 4 M

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES						
CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/004HP	BI/004HP/115	BI/004HP/IS	BI/004HP/IS/115
ACS/BA/68	Break-away system for barrier, compatible with BA/68/3 and BA/68/4 boom arm.	690,00 	✓	✓	✓	✓
ALED/4C	4-metre LED strip with connection cable for barrier boom (red colour).	109,00 	✓	✓	✓	✓
ALED/4C/RGB	4-metre multicoloured RGB LED (red, green + other colours) strip with connection cable for barrier boom.	134,00 	✓	✓	✓	✓
BI/BLED/6/RGB	Multicoloured RGB LED strip (red, green + other colours) with connection cable for BI/004HP - BI/006 barrier header.	70,00 	✓	✓	✓	✓
BAFS/01	Fixed support with rubber, not adjustable, for booms.	127,00 	✓	✓	✓	✓
BAFS/02	Fixed support with rubber, adjustable telescoping, for booms.	212,00 	✓	✓	✓	✓
BAFS/03	Fixed support with rubber, not adjustable, with predisposition for bolt, for booms.	127,00 	✓	✓	✓	✓
BAFS/04	Fixed support with rubber, adjustable telescoping, with predisposition for bolt, for booms.	212,00 	✓	✓	✓	✓
BAFS/05	Adjustable fixed support with vandal-proof magnetic suction cup, complete with B72/DGS demagnetizer card, for booms.	582,00 	✓	✓	✓	✓



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/004HP BI/004HP/115 BI/004HP/IS BI/004HP/IS/115
BAMS/01	Mobile support for booms.	125,00		✓ ✓ ✓ ✓
BAMS/01/EXT	Extension 20 cm for mobile support BAMS/01.	26,00		✓ ✓ ✓ ✓
BI/BAT/KIT	Kit for emergency batteries charger for Brushless digital controller CTRL 36V DC with plug- 253,00 in card, with 2 recovery batteries 12V DC, 4.5 Ah. Kit for BIONIK barrier.			✓ ✓ ✓ ✓
BI/BCHP	Plug-in card, batteries charger, for Brushless digital controller CTRL 36V DC, without recovery batteries, for BIONIK barrier.	75,00		✓ ✓ ✓ ✓
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00		✓ ✓ ✓ ✓
CRA/BAR	Column for photocells G90/F2ES - G90/F4ES for spaced installation on a barrier cabinet (+23 cm).	27,00		✓ ✓ ✓ ✓
CRA/BAR/M90	Column for photocells M90/F2ESO - M90/F4ESO for spaced installation on a barrier cabinet (+23 cm).	29,00		✓ ✓ ✓ ✓
KT231	Fixing plate for fixed supports codes BAFS/01, BAFS/02, BAFS/03, BAFS/04, BAFS/05.	17,00		✓ ✓ ✓ ✓

BIONIK 4HP

BOOM UP TO 4 M

BRUSHLESS MOTOR

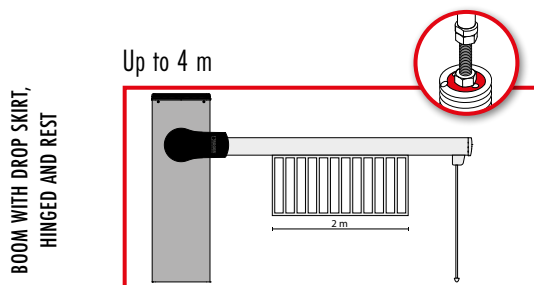
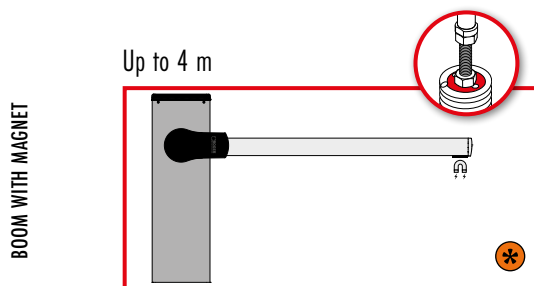
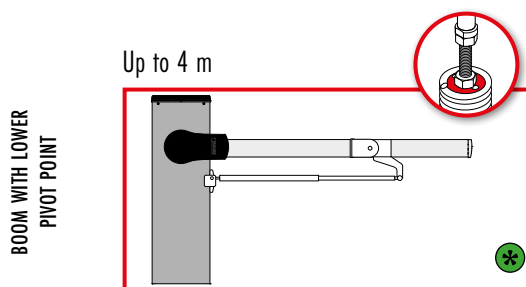
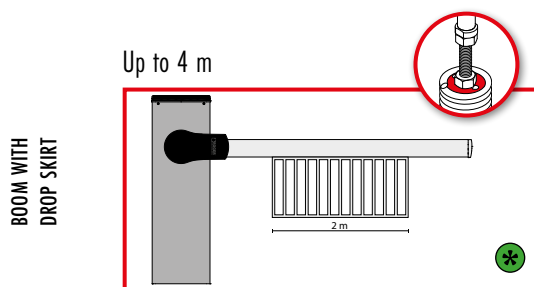
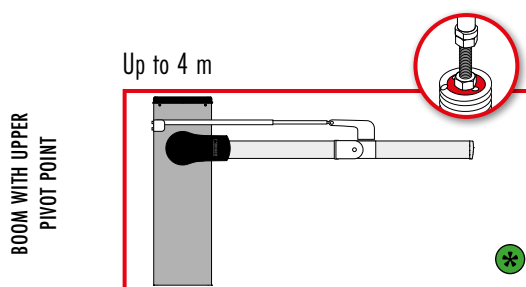
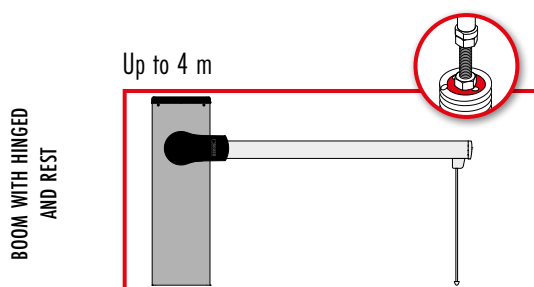
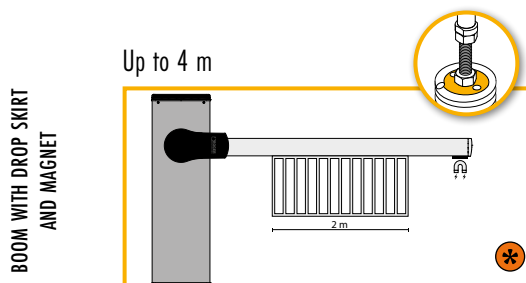
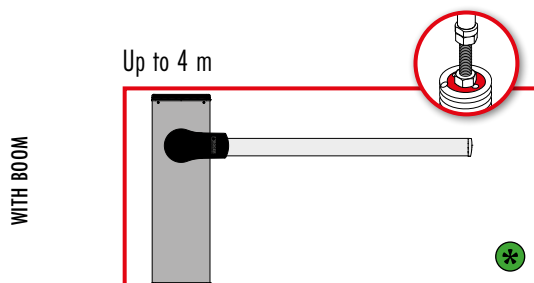


OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/004HP BI/004HP/115 BI/004HP/IS BI/004HP/IS/115
B73/EXP	Signal status board, 2 output for CTRL - CTRL/P.	51,00		√ √ √ √
B73/LTM	RGB boom light and traffic light control device for CTRL.	134,00		√ √ √ √
DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC.	315,00		√ √ √ √
DLD2/24	Loop detector for 2 loops, 2 outputs + output alarm, 24V AC/DC.	438,00		√ √ √ √
KT239	Kit DIN rail with magnetic supports.	84,00		√ √
KT242	Kit for cable passage with magnetic support for barriers.	39,00		√ √
R99/BASB20	Pack of 20 reflective adhesive stickers for boom barrier.	23,00		√ √ √ √



BIONIK 4HP Configuration

BOOM UP TO 4 M



LEGEND



i ALL THE BOOMS ARE COMPLETE WITH PROTECTIVE RUBBER AND STRIP LED ALREADY PUT IN

***** THE ADJUSTABLE FIXED END REST WITH INTEGRATED MAGNET BAFS/05 MUST BE USED

+ FOR BOOM OF MORE THAN 4 M FIXED SUPPORT IS MANDATORY





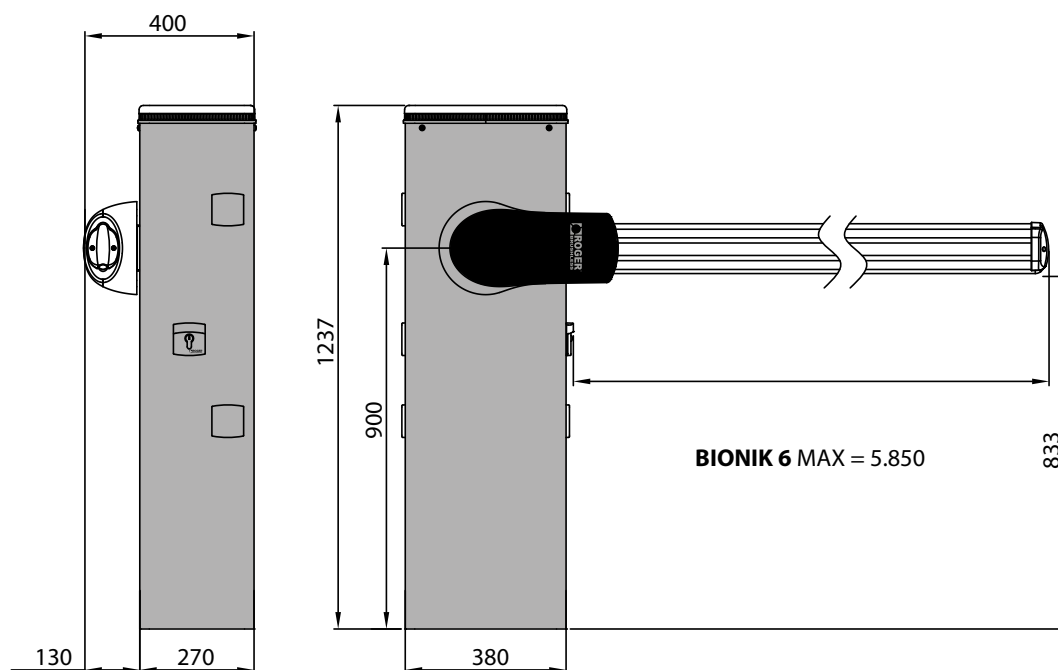
BIONIK 6

BOOM UP TO 6 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BI/006 	Barrier BRUSHLESS 36V DC for booms up to 6 m, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header.	6	3.069,00	  
BI/006/115 	Barrier BRUSHLESS 36V DC for booms up to 6 m, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. 115V line power supply.	6	3.069,00	  
BI/006/IS 	Barrier BRUSHLESS 36V DC for booms up to 6 m, with control unit and absolute encoder, irreversible, complete with stainless steel fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Version with housing unit made in satin stainless steel AISI 304.	6	5.435,00	  
BI/006/IS/115 	Barrier BRUSHLESS 36V DC for booms up to 6 m, with control unit and absolute encoder, irreversible, complete with stainless steel fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Version with housing unit made in satin stainless steel AISI 304. 115V line power supply.	6	5.435,00	  



BI/006 - BI/006/115

Cabinet: painted RAL9006 arabesque grey
Head: black arabesque silver painted
Boom support: black arabesque silver painted
Boom: painted RAL9010 matt

BI/006/IS - BI/006/IS/115

Cabinet: brushed stainless steel AISI 304
Head: black arabesque silver painted
Boom support: black arabesque silver painted
Boom: painted RAL9010 matt



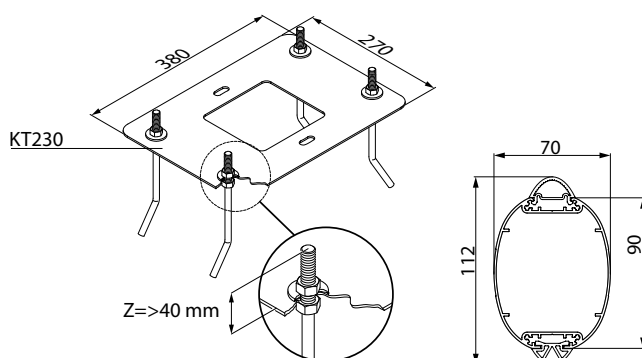
BIONIK 6

BOOM UP TO 6 M

BRUSHLESS MOTOR

FEATURES				
MODEL	BI/006	BI/006/115	BI/006/1S	BI/006/1S/115
Barriers	Up to 6 mt long	Up to 6 mt long	Up to 6 mt long	Up to 6 mt long
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz
Motor power supply	36V DC	36V DC	36V DC	36V DC
Power rating	220W	220W	220W	220W
Frequency of use	Super intensive use	Super intensive use	Super intensive use	Super intensive use
Torque	10 - 300 N m	10 - 300 N m	10 - 300 N m	10 - 300 N m
Operating temperature	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°
Protection level	IP54	IP54	IP54	IP54
Opening time	4 ÷ 8 (sec)	4 ÷ 8 (sec)	4 ÷ 8 (sec)	4 ÷ 8 (sec)
Onboard control unit	CTRL	CTRL	CTRL	CTRL
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Accessories power supply	24V DC	24V DC	24V DC	24V DC
Release system	European Key cylinder	European Key cylinder	European Key cylinder	European Key cylinder
Batteries recovery	Available (optional)	Available (optional)	Available (optional)	Available (optional)
BUS synchronization Master/Slave	Yes	Yes	Yes	Yes
Operating cycles per day (opening/closing - 24 hours no stop)	4000	4000	4000	4000

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/006	BI/006/115	BI/006/1S	BI/006/1S/115
SP/83/01	Spring diameter 83 mm for barriers.	264,00 	✓	✓	✓	✓
SP/85/01	Spring diameter 85 mm for barriers.	361,00 	✓	✓	✓	✓
BA/91/3	White painted aluminum boom, 3 meters long, with LED cover profile and impact resisteng 286,00 rubber profile.		✓	✓	✓	✓
BA/91/4	White painted aluminum boom, 4 meters long, with LED cover profile and impact resisteng 381,00 rubber profile.		✓	✓	✓	✓
BA/91/6	White painted aluminum boom, 6 meters long, with LED cover profile and impact resisteng 543,00 rubber profile.		✓	✓	✓	✓
JNT/BA/91	Internal connection joint, anodised aluminium, with fixing screws for BA/91 booms,	92,00 	✓	✓	✓	✓
BARK/02	Painted aluminum skirting, with stainless steel screws mounted on bronze bushings. Single 226,00 module length 2 meters.		✓	✓	✓	✓
ALED/6C	6-metre LED strip with connection cable for barrier boom (red colour).	131,00  RED LIGHT	✓	✓	✓	✓

BIONIK 6

BRUSHLESS MOTOR



BOOM UP TO 6 M

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/006	BI/006/115	BI/006/1S	BI/006/1S/115
ALED/6C/RGB	6-metre multicoloured RGB LED (red, green + other colours) strip with connection cable for barrier boom.	183,00 	✓	✓	✓	✓
BI/BLED/6/RGB	Multicoloured RGB LED strip (red, green + other colours) with connection cable for BI/004HP - BI/006 barrier header.	70,00 	✓	✓	✓	✓
BAFS/01	Fixed support with rubber, not adjustable, for booms.	127,00 	✓	✓	✓	✓
BAFS/02	Fixed support with rubber, adjustable telescoping, for booms.	212,00 	✓	✓	✓	✓
BAFS/03	Fixed support with rubber, not adjustable, with predisposition for bolt, for booms.	127,00 	✓	✓	✓	✓
BAFS/04	Fixed support with rubber, adjustable telescoping, with predisposition for bolt, for booms.	212,00 	✓	✓	✓	✓
BAFS/05	Adjustable fixed support with vandal-proof magnetic suction cup, complete with B72/D6S demagnetizer card, for booms.	582,00 	✓	✓	✓	✓
BAMS/01	Mobile support for booms.	125,00 	✓	✓	✓	✓



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/006 BI/006/115 BI/006/1S BI/006/1S/115
BAMS/01/EXT	Extension 20 cm for mobile support BAMS/01.	26,00		√ √ √ √
BI/BAT/KIT	Kit for emergency batteries charger for Brushless digital controller CTRL 36V DC with plug- 253,00 in card, with 2 recovery batteries 12V DC, 4.5 Ah. Kit for BIONIK barrier.			√ √ √ √
BI/BCHP	Plug-in card, batteries charger, for Brushless digital controller CTRL 36V DC, without recovery batteries, for BIONIK barrier.	75,00		√ √ √ √
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00		√ √ √ √
CRA/BAR	Column for photocells G90/F2ES - G90/F4ES for spaced installation on a barrier cabinet (+23 cm).	27,00		√ √ √ √
CRA/BAR/M90	Column for photocells M90/F2ESO - M90/F4ESO for spaced installation on a barrier cabinet (+23 cm).	29,00		√ √ √ √
KT231	Fixing plate for fixed supports codes BAFS/01, BAFS/02, BAFS/03, BAFS/04, BAFS/05.	17,00		√ √ √ √
B73/EXP	Signal status board, 2 output for CTRL - CTRL/P.	51,00		√ √ √ √

BIONIK 6

BOOM UP TO 6 M

BRUSHLESS MOTOR

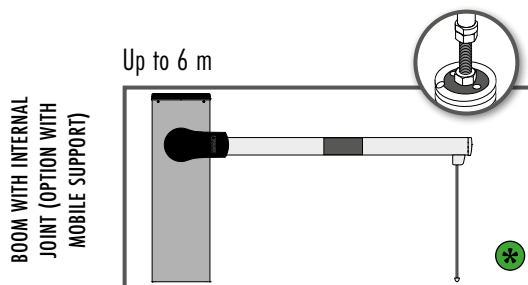
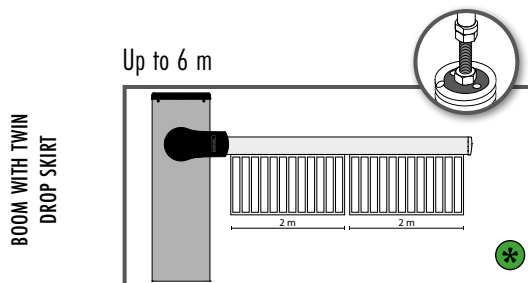
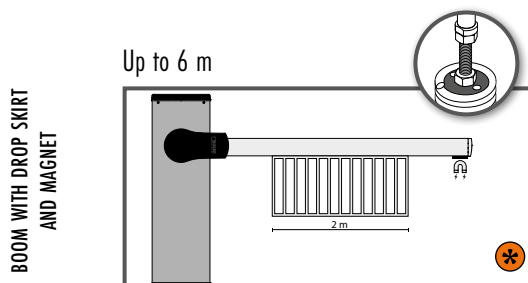
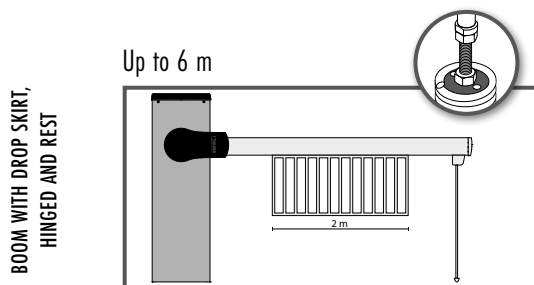
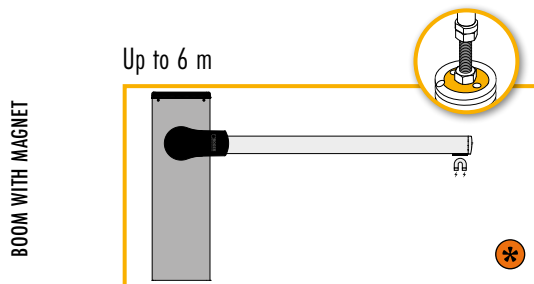
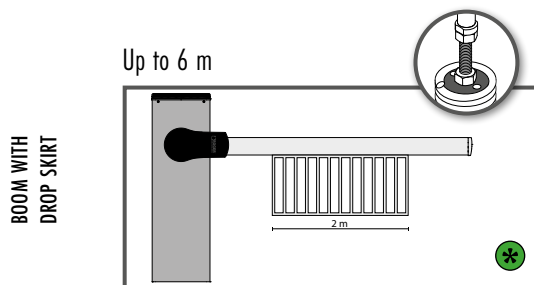
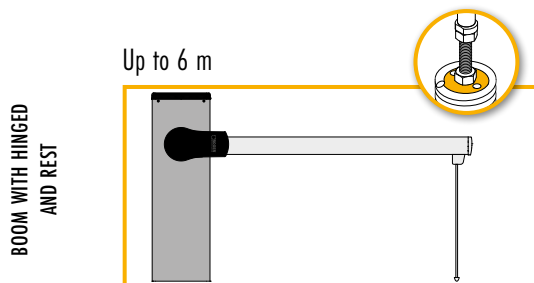
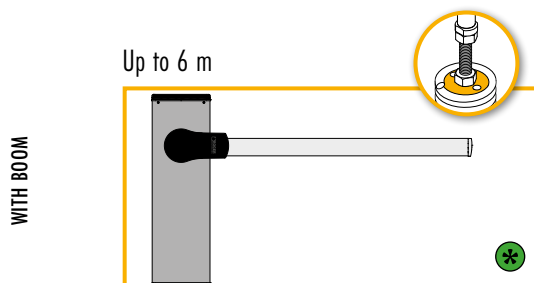


OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/006 BI/006/115 BI/006/1S BI/006/1S/115
B73/LTM	RGB boom light and traffic light control device for CTRL.	134,00		√ √ √ √
DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC.	315,00		√ √ √ √
DLD2/24	Loop detector for 2 loops, 2 outputs + output alarm, 24V AC/DC.	438,00		√ √ √ √
KT239	Kit DIN rail with magnetic supports.	84,00		√ √
KT242	Kit for cable passage with magnetic support for barriers.	39,00		√ √
R99/BASB20	Pack of 20 reflective adhesive stickers for boom barrier.	23,00		√ √ √ √

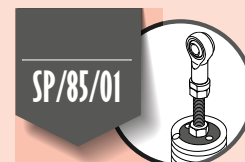
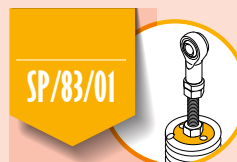


BIONIK 6 Configuration

BOOM UP TO 6 M



LEGEND



i ALL THE BOOMS ARE COMPLETE WITH PROTECTIVE RUBBER AND STRIP LED ALREADY PUT IN

***** THE ADJUSTABLE FIXED END REST WITH INTEGRATED MAGNET BAFS/05 MUST BE USED

+ FOR BOOM OF MORE THAN 4 M FIXED SUPPORT IS MANDATORY





BIONIK 1

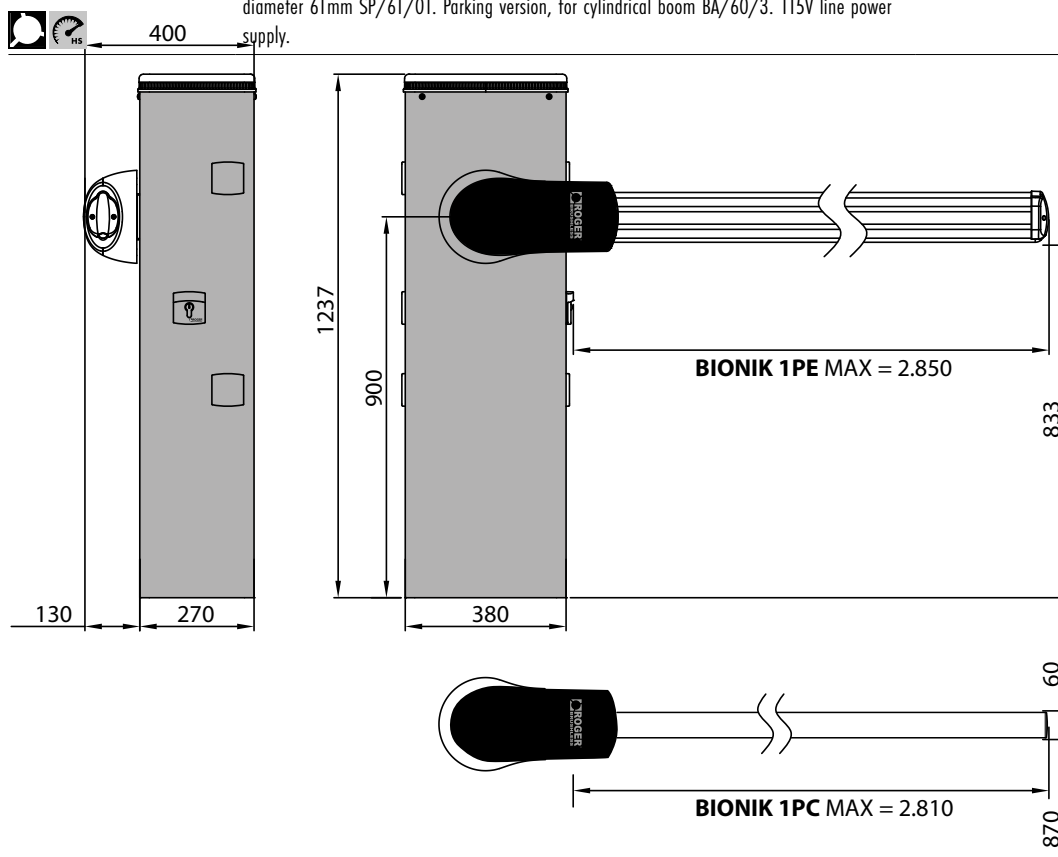
BOOM UP TO 3 M
RAPID VERSION

BI/001PE

BI/001PC

BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BI/001PE	Barrier BRUSHLESS 36V DC, rapid version, for booms up to 3 m, with on-board control unit and 6 absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Complete with signal status B73/EXP. Parking version.	6	3.282,00
BI/001PE/115	Barrier BRUSHLESS 36V DC, rapid version, for booms up to 3 m, with on-board control unit and 6 absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Complete with signal status B73/EXP. Parking version. 115V line power supply.	6	3.282,00
BI/001PC	Barrier BRUSHLESS 36V DC, rapid version, for booms up to 3 m, with on-board control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Complete with signal status B73/EXP and 2 springs diameter 61mm SP/61/01. Parking version, for cylindrical boom BA/60/3.	6	3.792,00
BI/001PC/115	Barrier BRUSHLESS 36V DC, rapid version, for booms up to 3 m, with on-board control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. Complete with signal status B73/EXP and 2 springs diameter 61mm SP/61/01. Parking version, for cylindrical boom BA/60/3. 115V line power supply.	6	3.792,00



BI/001PE

Cabinet: painted RAL9006 arabesque grey
Head: black arabesque silver painted
Boom support: black arabesque silver painted
Boom: painted RAL9010 matt

BI/001PC - BI/001PC/115

Cabinet: painted RAL9006 arabesque grey
Head: black arabesque silver painted
Boom support: black arabesque silver painted
Boom: painted RAL9010 matt



BIONIK 1

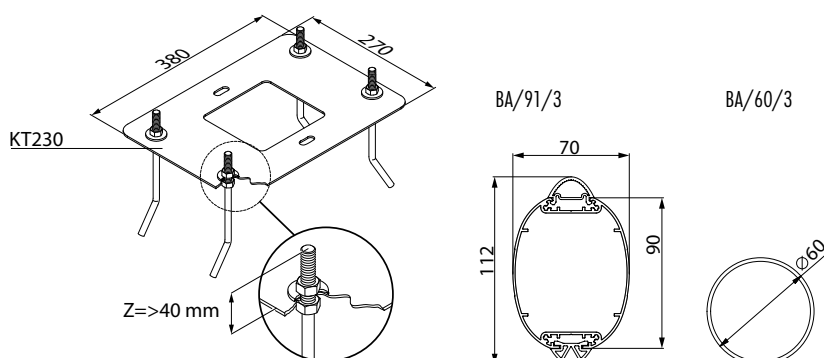
BOOM UP TO 3 M
RAPID VERSION

BRUSHLESS MOTOR



FEATURES				
MODEL	BI/001PE	BI/001PE/115	BI/001PC	BI/001PC/115
Barriers	Up to 3 mt long	Up to 3 mt long	Up to 3 mt long	Up to 3 mt long
Power line supply	230V AC - 50Hz	115V AC - 60Hz	230V AC - 50Hz	115V AC - 60Hz
Motor power supply	36V DC	36V DC	36V DC	36V DC
Power rating	450W	450W	450W	450W
Frequency of use	Super intensive use	Super intensive use	Continue use	Continue use
Torque	10 - 200 N m	10 - 200 N m	10 - 200 N m	10 - 200 N m
Operating temperature	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°
Protection level	IP54	IP54	IP54	IP54
Opening time	2 ÷ 4 (sec)	2 ÷ 4 (sec)	1 ÷ 3 (sec)	1 ÷ 3 (sec)
Onboard control unit	CTRL/P	CTRL/P	CTRL/P	CTRL/P
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Accessories power supply	24V DC	24V DC	24V DC	24V DC
Release system	European Key cylinder	European Key cylinder	European Key cylinder	European Key cylinder
Batteries recovery	Available (optional)	Available (optional)	Available (optional)	Available (optional)
BUS synchronization Master/Slave	No	No	No	No
Operating cycles per day (opening/closing - 24 hours no stop)	8000	8000	12000	12000

DIMENSIONS IN MILLIMETERS



BIONIK 1

BOOM UP TO 3 M
RAPID VERSION

BRUSHLESS MOTOR

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/001PE	BI/001PE/115	BI/001PC	BI/001PC/115
SP/61/01	Spring diameter 61 mm for barriers.	188,00 	✓	✓		
BA/60/3	White painted cylindrical aluminium boom, 3 meters length.	109,00 			✓	✓
BA/91/3	White painted aluminum boom, 3 meters long, with LED cover profile and impact resisteng 286,00 rubber profile.	286,00 	✓	✓		
JNT/BA/91	Internal connection joint, anodised aluminium, with fixing screws for BA/91 booms,	92,00 	✓	✓		
SND/BA/91/DW	Articulated joint 90° with lower tie rod for boom BA/91.	385,00 	✓	✓		
SND/BA/91/UP	Articulated joint 90° with upper tie rod for boom BA/91.	385,00 	✓	✓		
ACS/BA/60	Break-away system for barrier, compatible only with BA/60/3 boom arm.	622,00 	✓	✓	✓	✓
ACS/BA/68	Break-away system for barrier, compatible with BA/68/3 and BA/68/4 boom arm.	690,00 	✓	✓	✓	✓



BIONIK 1

BOOM UP TO 3 M
RAPID VERSION

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/001PE BI/001PE/115 BI/001PC BI/001PC/115
ALED/4C	4-metre LED strip with connection cable for barrier boom (red colour).	109,00		√ √
BI/BAT/KIT	Kit for emergency batteries charger for Brushless digital controller CTRL 36V DC with plug- 253,00 in card, with 2 recovery batteries 12V DC, 4.5 Ah. Kit for BIONIK barrier.			√ √ √ √
BI/BCHP	Plug-in card, batteries charger, for Brushless digital controller CTRL 36V DC, without recovery batteries, for BIONIK barrier.	75,00		√ √ √ √
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00		√ √ √ √
CRA/BAR	Column for photocells G90/F2ES - G90/F4ES for spaced installation on a barrier cabinet (+23 cm).	27,00		√ √ √ √
CRA/BAR/M90	Column for photocells M90/F2ESO - M90/F4ESO for spaced installation on a barrier cabinet (+23 cm).	29,00		√ √ √ √
B73/EXP	Signal status board, 2 output for CTRL - CTRL/P.	51,00		√ √ √ √
DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC.	315,00		√ √ √ √



BIONIK 1

BOOM UP TO 3 M
RAPID VERSION

BRUSHLESS MOTOR

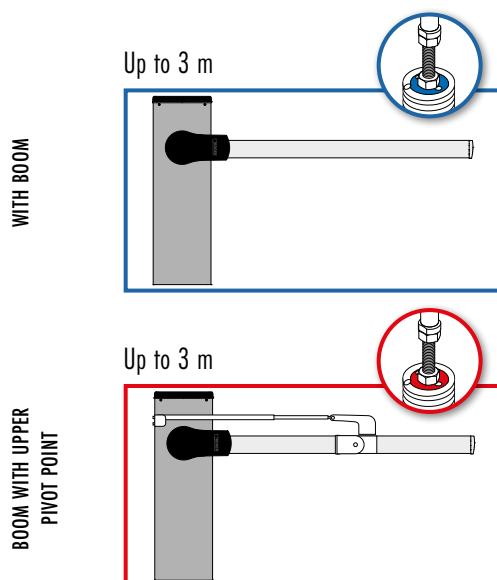
OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/001PE	BI/001PE/115	BI/001PC	BI/001PC/115
DLD2/24	Loop detector for 2 loops, 2 outputs + output alarm, 24V AC/DC.	438,00		√	√	√	√
KT239	Kit DIN rail with magnetic supports.	84,00		√	√	√	√
KT242	Kit for cable passage with magnetic support for barriers.	39,00		√	√	√	√
R99/BASB20	Pack of 20 reflective adhesive stickers for boom barrier.	23,00		√	√	√	√

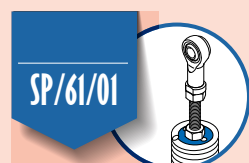


BIONIK 1 Configuration

BOOM UP TO 3 M
RAPID VERSION



LEGEND



-  ALL THE BOOMS ARE COMPLETE WITH PROTECTIVE RUBBER AND STRIP LED ALREADY PUT IN
-  THE ADJUSTABLE FIXED END REST WITH INTEGRATED MAGNET BAFS/05 MUST BE USED
-  FOR BOOM OF MORE THAN 4 M FIXED SUPPORT IS MANDATORY



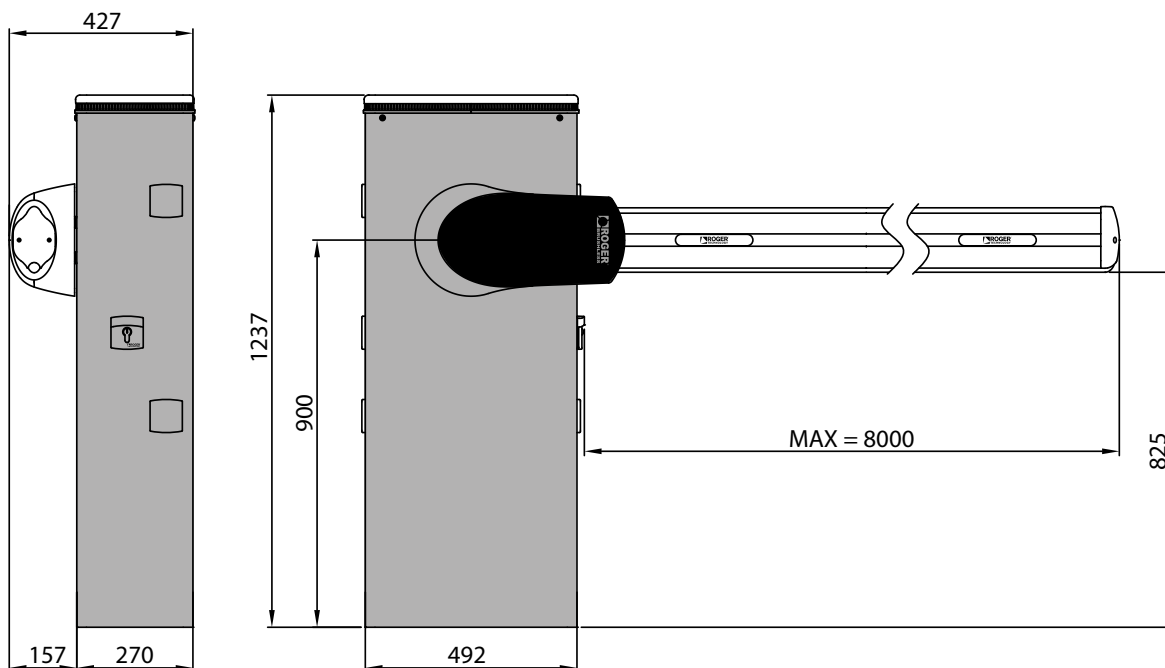
BIONIK 8

BOOM UP TO 8 M



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
BI/008 	Barrier BRUSHLESS 36V DC for booms up to 8 m, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header.	4	3.743,00	 
BI/008/115 	Barrier BRUSHLESS 36V DC for booms up to 8 m, with control unit and absolute encoder, irreversible, complete with fixing plate with tie rods, boom fixing flanges and flashing white LED light on header. 115V line power supply.	4	3.743,00	 



BI/008 - BI/008/115

Cabinet: painted RAL9006 arabesque grey
Head: black arabesque silver painted
Boom support: black arabesque silver painted
Boom: painted RAL9010 matt



BIONIK 8

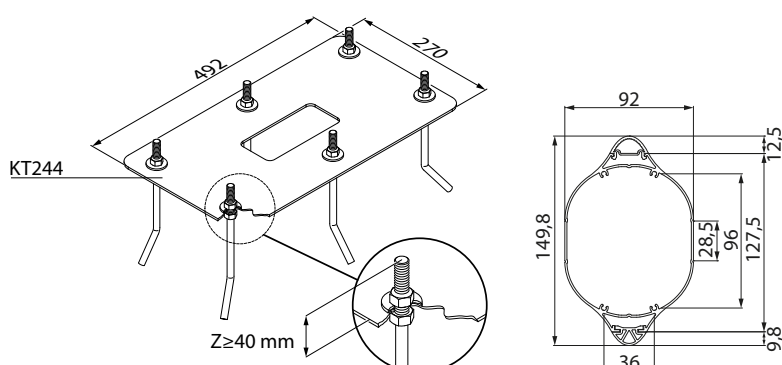
BOOM UP TO 8 M

BRUSHLESS MOTOR



FEATURES		
MODEL	BI/008	BI/008/115
Barriers	Up to 8 mt long	Up to 8 mt long
Power line supply	230V AC - 50Hz	115V AC - 60Hz
Motor power supply	36V DC	36V DC
Power rating	300W	300W
Frequency of use	Super intensive use	Super intensive use
Torque	10 - 400 N m	10 - 400 N m
Operating temperature	- 20 + 55 C°	- 20 + 55 C°
Protection level	IP54	IP54
Opening time	9 ÷ 29 (sec)	9 ÷ 29 (sec)
Onboard control unit	CTRL	CTRL
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Accessories power supply	24V DC	24V DC
Release system	European Key cylinder	European Key cylinder
Batteries recovery	Available (optional)	Available (optional)
BUS synchronization Master/Slave	Yes	Yes
Operating cycles per day (opening/closing - 24 hours no stop)	2500	2500

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	BI/008 BI/008/115
SP/85/AS/02	Assembly 2 spring diameter 85 mm for barriers.	750,00 	√ √
BA/128/4	White painted aluminum boom, 4 meters long, with LED cover profile and impact resisteng rubber profile.	508,00 	√ √
JNT/BA/128	Internal connection joint, anodised aluminium, with fixing screws for BA/128 booms (2 pieces per installation required).	157,00 	√ √
BARK/02	Painted aluminum skirting, with stainless steel screws mounted on bronze bushings. Single module length 2 meters.	226,00 	√ √
ALED/8C	8-metre LED strip with connection cable for barrier boom (red colour).	164,00 	√ √
ALED/8C/RGB	8-metre multicoloured RGB LED (red, green + other colours) strip with connection cable for barrier boom.	237,00 	√ √
BI/BLED/8/RGB	Multicoloured RGB LED strip (red, green + other colours) with connection cable for BI/008 barrier header.	80,00 	√ √
BAFS/01	Fixed support with rubber, not adjustable, for booms.	127,00 	√ √
BAFS/02	Fixed support with rubber, adjustable telescoping, for booms.	212,00 	√ √

BIONIK 8

BOOM UP TO 8 M

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES					
CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/008	BI/008/115
BAFS/03	Fixed support with rubber, not adjustable, with predisposition for bolt, for booms.	127,00		✓	✓
BAFS/04	Fixed support with rubber, adjustable telescoping, with predisposition for bolt, for booms.	212,00		✓	✓
BAFS/05	Adjustable fixed support with vandal-proof magnetic suction cup, complete with B72/D6S demagnetizer card, for booms.	582,00		✓	✓
BAMS/01	Mobile support for booms.	125,00		✓	✓
BAMS/01/EXT	Extension 20 cm for mobile support BAMS/01.	26,00		✓	✓
BI/BAT/KIT	Kit for emergency batteries charger for Brushless digital controller CTRL 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Kit for BIONIK barrier.	253,00		✓	✓
BI/BCHP	Plug-in card, batteries charger, for Brushless digital controller CTRL 36V DC, without recovery batteries, for BIONIK barrier.	75,00		✓	✓
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00		✓	✓
CRA/BAR	Column for photocells G90/F2ES - G90/F4ES for spaced installation on a barrier cabinet (+23 cm).	27,00		✓	✓

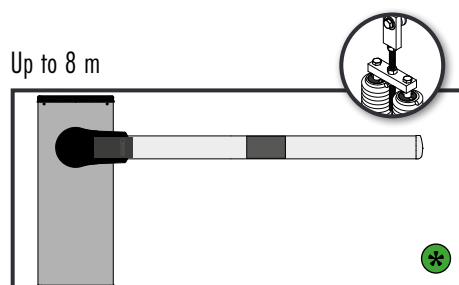


OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		BI/008 BI/008/115
CRA/BAR/M90	Column for photocells M90/F2ESO - M90/F4ESO for spaced installation on a barrier cabinet (+23 cm).	29,00		√ √
KT231	Fixing plate for fixed supports codes BAFS/01, BAFS/02, BAFS/03, BAFS/04, BAFS/05.	17,00		√ √
B73/EXP	Signal status board, 2 output for CTRL - CTRL/P.	51,00		√ √
B73/LTM	RGB boom light and traffic light control device for CTRL.	134,00		√ √
DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC.	315,00		√ √
DLD2/24	Loop detector for 2 loops, 2 outputs + output alarm, 24V AC/DC.	438,00		√ √
KT239	Kit DIN rail with magnetic supports.	84,00		√ √
KT242	Kit for cable passage with magnetic support for barriers.	39,00		√ √
R99/BASB20	Pack of 20 reflective adhesive stickers for boom barrier.	23,00		√ √

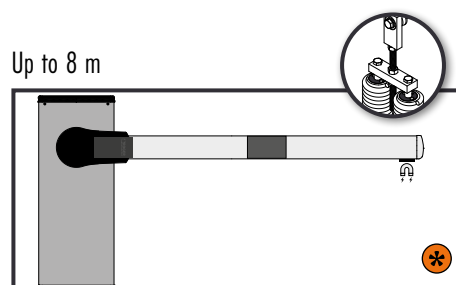
BIONIK 8 Configuration

BOOM UP TO 8 M

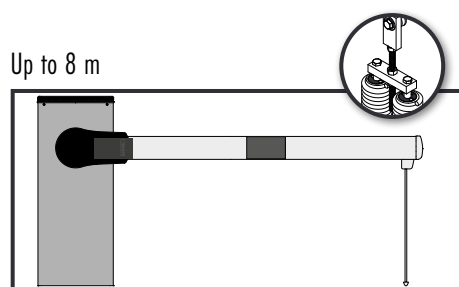
BOOM WITH
INTERNAL JOINT



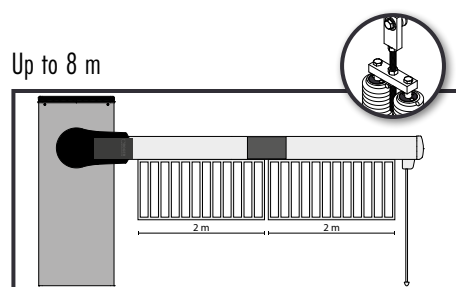
BOOM WITH INTERNAL
JOINT AND MAGNET



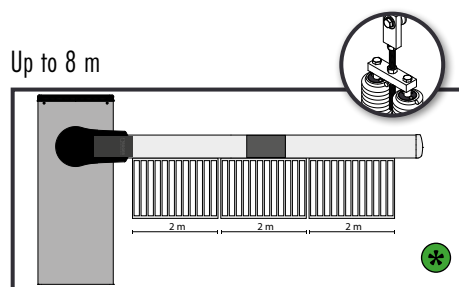
BOOM WITH INTERNAL
JOINT AND REST



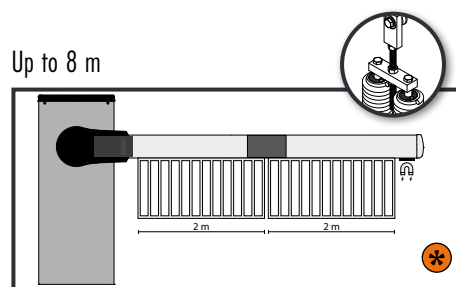
BOOM WITH INTERNAL JOINT
AND TWIN DROP SKIRT
AND REST



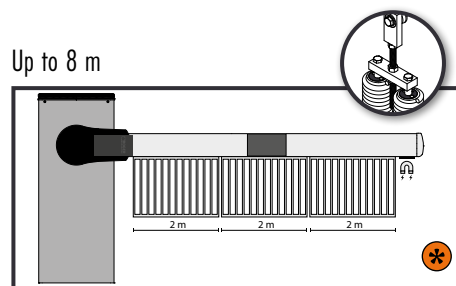
BOOM WITH INTERNAL
JOINT AND TRIPLE
DROP SKIRT



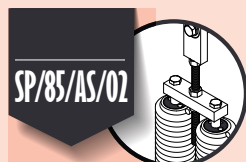
BOOM WITH INTERNAL JOINT
AND TWIN DROP SKIRT
AND MAGNET



BOOM WITH INTERNAL
JOINT AND TRIPLE DROP
SKIRT AND MAGNET



LEGEND



THE ADJUSTABLE FIXED END REST WITH INTEGRATED
MAGNET BAFS/05 MUST BE USED

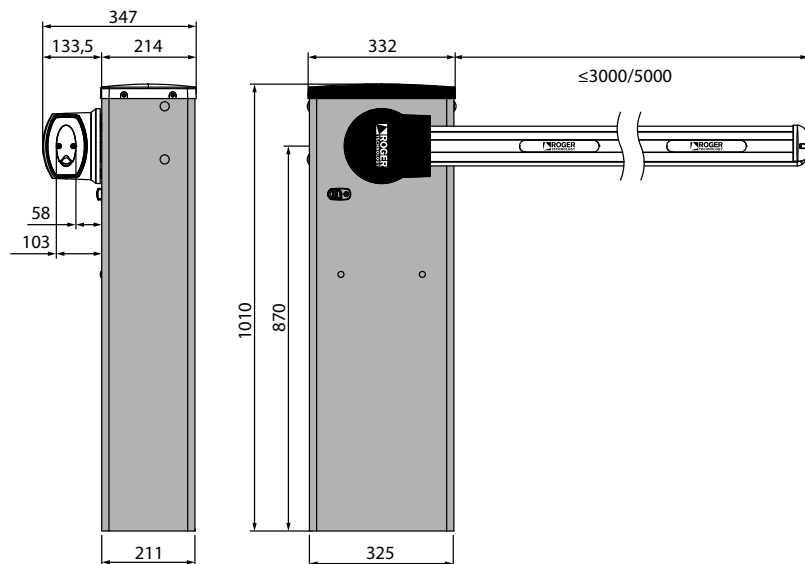


FOR BOOM OF MORE THAN 4 M FIXED SUPPORT IS
MANDATORY





PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO	
WAY/004 	Barrier BRUSHLESS 24V DC for 3 or 4 m booms, with control unit and and SENSORED digital magnetic encoder at 4096 PPR, irreversible, complete with fixing plate with tie rods, screws boom fixing flanges.	8	1.805,00	  
WAY/004/115 	Barrier BRUSHLESS 24V DC for 3 or 4 m booms, with control unit and and SENSORED digital magnetic encoder at 4096 PPR, complete with fixing plate with tie rods, screws boom fixing flanges. 115V line power supply.	8	1.805,00	  
WAY/005 	Barrier BRUSHLESS 24V DC for booms up to 5 m, with control unit and and SENSORED digital magnetic encoder at 4096 PPR, complete with fixing plate with tie rods, screws boom fixing flanges.	8	1.982,00	  
WAY/005/115 	Barrier BRUSHLESS 24V DC for booms up to 5 m, with control unit and and SENSORED digital magnetic encoder at 4096 PPR, complete with fixing plate with tie rods, screws boom fixing flanges. 115V line power supply.	8	1.982,00	  



WAY/004 - WAY/004/115

Cabinet: 1.5 mm thick - RAL9006

Head: matt black plastic

Boom support: plastic RAL 9005

Boom: matt RAL9010 paint

WAY/005 - WAY/005/115

Cabinet: 2 mm thick - RAL9006

Head: galvanized steel painted RAL9005

Boom support: plastic RAL 9005

Boom: matt RAL9010 paint

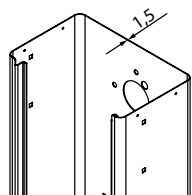
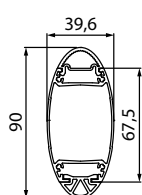


FEATURES

MODEL	WAY/004	WAY/004/115	WAY/005	WAY/005/115
Barriers	Up to 4mt long	Up to 4mt long	Up to 5mt long	Up to 5mt long
Power line supply	230V AC - 50 Hz	115V AC - 60 Hz	230V AC - 50 Hz	115V AC - 60 Hz
Motor power supply	24V DC	24V DC	24V DC	24V DC
Electrical absorption	0-15A	0-15A	0-15A	0-15A
Power rating	180W	180W	180W	180W
Frequency of use	Continue	Continue	Continue	Continue
Torque	56 N m	56 N m	56 N m	56 N m
Operating temperature	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°	- 20 + 55 C°
Protection level	IP54	IP54	IP54	IP54
Opening time	4÷12 sec	4÷12 sec	5÷17 sec	5÷17 sec
Onboard control unit	B70/1T	B70/1T	B70/1T	B70/1T
Encoder	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR	Digital native encoder + magnetic digital SENSORED, 4096 PPR
Accessories power supply	24V DC	24V DC	24V DC	24V DC
Release system	Trilobal key	Trilobal key	Trilobal key	Trilobal key
Batteries recovery	Available (optional)	Available (optional)	Available (optional)	Available (optional)
BUS synchronization Master/Slave	No	No	No	No
Operating cycles per day (opening/closing - 24 hours no stop)	4500	4500	2800	2800

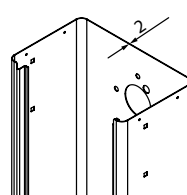
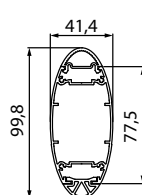
WAY 4 - UP TO 4 MT

SECTIONAL VIEW
OF BOOM BA/68/4

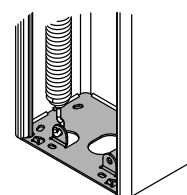
CABINET
THICKNESS


WAY 5 - FROM 4 TO 5 MT

SECTIONAL VIEW
OF BOOM BA/75/5

CABINET
THICKNESS


WAY 4 & WAY 5

FIXING PLATE
4 MM THICKNESS


DIMENSIONS IN MILLIMETERS

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	WAY/004	WAY/004/115	WAY/005	WAY/005/115
SP/48/G10	Spring diameter 48 mm only for WAY/004 with boom less than 2.2 m.	105,00 	√	√		
SP/51/G10	Spring diameter 51 mm only for WAY/004 with boom up to 4 m.	125,00 	√	√		
SP/56/G10	Spring diameter 56 mm only for WAY/005 with boom up to 5 m.	145,00 			√	√
BA/68/3	White painted aluminum boom, 3 meters long, with LED cover profile and impact resisteng 210,00 rubber profile.		√	√		
BA/68/4	White painted aluminum boom, 4 meters long, with LED cover profile and impact resisteng 280,00 rubber profile.		√	√		
BA/75/5	White painted aluminum boom, 5 meters long, with LED cover profile and impact resisteng 372,00 rubber profile.				√	√
BARK/02	Painted aluminum skirting, with stainless steel screws mounted on bronze bushings. Single 226,00 module length 2 meters.		√	√	√	√
ALED/4C	4-metre LED strip with connection cable for barrier boom (red colour).	109,00 	√	√		

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	WAY/004 WAY/004/115 WAY/005 WAY/00/115
ALED/6C	6-metre LED strip with connection cable for barrier boom (red colour).	131,00 	✓
BAFS/01	Fixed support with rubber, not adjustable, for booms.	127,00 	✓
BAFS/02	Fixed support with rubber, adjustable telescoping, for booms.	212,00 	✓
BAFS/03	Fixed support with rubber, not adjustable, with predisposition for bolt, for booms.	127,00 	✓
BAFS/04	Fixed support with rubber, adjustable telescoping, with predisposition for bolt, for booms.	212,00 	✓
BAMS/01	Mobile support for booms.	125,00 	✓
BAMS/01/EXT	Extension 20 cm for mobile support BAMS/01.	26,00 	✓
B71/BC	Batteries charger for Brushless digital controller B70/1DC - B70/1T.	95,00 	✓

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	WAY/004	WAY/004/115	WAY/005	WAY/00/115
CRA/BAR	Column for photocells G90/F2ES - G90/F4ES for spaced installation on a barrier cabinet (+23 cm).	27,00 	√	√	√	√
CRA/BAR/M90	Column for photocells M90/F2ESO - M90/F4ESO for spaced installation on a barrier cabinet (+23 cm).	29,00 	√	√	√	√
KT231	Fixing plate for fixed supports codes BAFS/01, BAFS/02, BAFS/03, BAFS/04, BAFS/05.	17,00 	√	√	√	√
HT418	External box without batteries, for battery BT12V45 (12V DC 4,5 Ah).	75,00 	√	√	√	√
DLD1/24	Loop detector for 1 loop, 2 output, 24V AC/DC.	315,00 	√	√	√	√
DLD2/24	Loop detector for 2 loops, 2 outputs + output alarm, 24V AC/DC.	438,00 	√	√	√	√
R99/BASB20	Pack of 20 reflective adhesive stickers for boom barrier.	23,00 	√	√	√	√

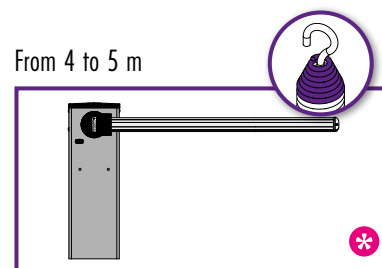
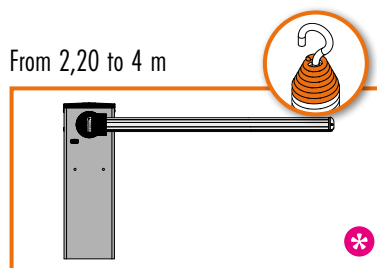
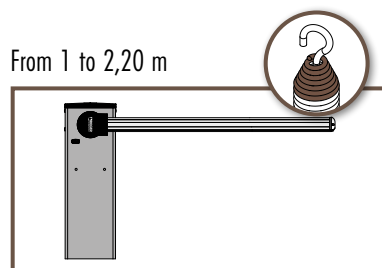
WAY Configuration

BOOM UP TO 5 M

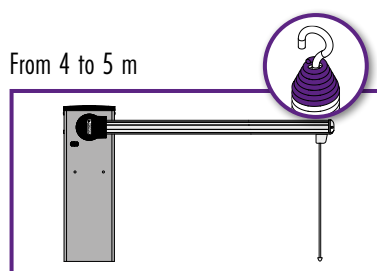
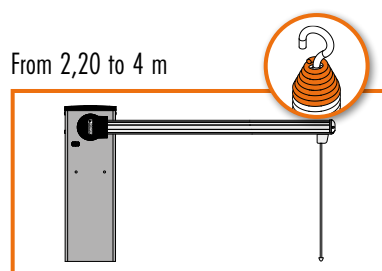
BRUSHLESS MOTOR

ROGER
BRUSHLESS

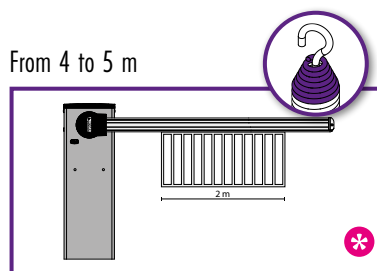
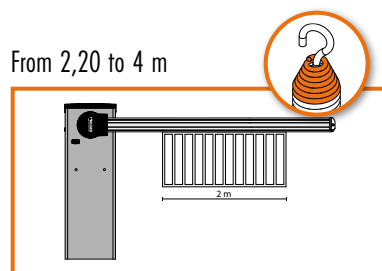
WITH BOOM



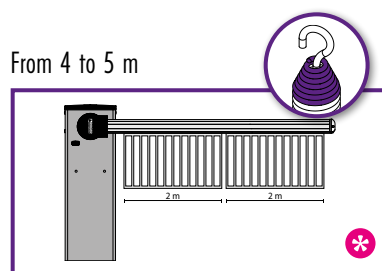
BOOM WITH
HINGED AND REST



BOOM WITH
DROP SKIRT



BOOM WITH TWIN
DROP SKIRT



LEGEND



FIXING PLATE INCLUDED

SERIE BIONIK 4
BI/004 - BI/004/115



KT240



SERIE BIONIK 4
BI/004 - BI/004/IS



KT240/IS



SERIE BIONIK 4HP
BI/004HP - BI/004HP/115



KT230



SERIE BIONIK 4HP
BI/004HP/IS - BI/004HP/IS/115



KT230/IS



SERIE BIONIK 6
BI/004 - BI/004/115



KT230



SERIE BIONIK 4
BI/004 - BI/004/IS



KT230/IS



SERIE BIONIK 1
BI/001PE - BI/001PE/115



KT230



SERIE BIONIK 1
BI/001PC - BI/001PC/115



KT230/IS



SERIE BIONIK 8
BI/008 - BI/008/115



KT244



SERIE WAY 4
WAY/004 - WAY/004/115



KT251



SERIE WAY 5
WAY/005 - WAY/005/115



KT251





OVERHEAD DOOR

The automations of Roger Technology for the overhead doors, allow to open with ease the residential and condominium garage doors till to 12 m² of surface.

PRODUCT LEGEND



Brushless Motor with Digital Technology designed, manufactured and assembled in Italy by Roger Technology



Precision 230V Asynchronous Motor, designed and manufactured in Italy by Roger Technology

MOTOR TYPE

-  Brushless Motor
-  Standard Motor

PRIMARY ADVANTAGE

-  Intensive Use
-  Reversible Motor
-  High Speed Motor

BETTER USE

-  Residential Use
-  Commercial Use
-  Industrial Use
-  Parking



R41



-  Brushless Motor
-  230V AC Motor
-  High Speed Motor
-  Reversible Motor



OVERHEAD DOOR **OVERVIEW**

BR41

SPLINED SHAFT



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BR41/830	Electromechanical motor BRUSHLESS low voltage, super intensive use, irreversible, for overhead doors up to 8 mq, without control unit and with mechanical limit switch. Version splined shaft (version for double motor installation).	50	717,00
			 
BR41/831	Electromechanical motor BRUSHLESS low voltage, super intensive use, irreversible, for overhead doors up to 8 mq, with built-in control unit B70/1B and mechanical limit switch. Version splined shaft. With 2-channel radio receiver installed on board.	50	900,00
			 

BR41

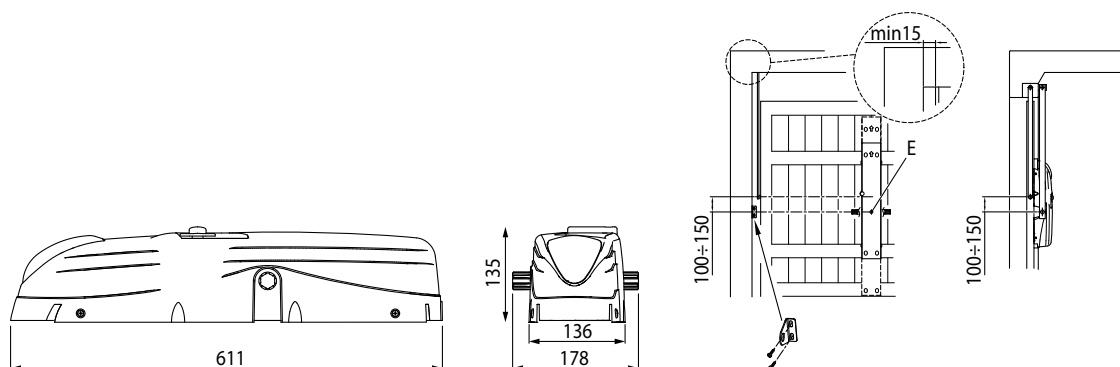
SPLINED SHAFT

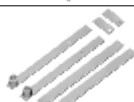
BRUSHLESS MOTOR



FEATURES		
MODEL	BR41/830	BR41/831
Max load size	8 mq	8 mq
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W
Motor power supply	24V	24V
Power rating	150W	150W
Frequency of use	Intensive use	Intensive use
Torque	50 - 380 N m	50 - 380 N m
Operating temperature	-20+55°C	-20+55°C
Protection level	IP40	IP40
Manoeuvre speed	1,3 - 2,2 Rpm	1,3 - 2,2 Rpm
Opening time	Adjustable	Adjustable
Limit switch	Microswitch in opening and closing	Microswitch in opening and closing
Recommended digital controllers	It works exclusively with B70/2B/BOX	-
Onboard control unit	-	B70/1B
Encoder	High-resolution native digital encoder	High-resolution native digital encoder
Type output shaft	Splined shaft z6 UNI 221	Splined shaft z6 UNI 221
Operating cycles per day (opening/closing - 24 hours no stop)	800	800

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		BR 41/830 BR 41/831
LT306	Pair of drive shafts L 200 mm complete with support.	91,00		√ √
LT307	Pair of drive shafts L 1500 mm complete with support.	113,00		√ √
LT308	Pair of drive shafts L 2000 mm complete with support.	143,00		√ √
LT321	Shaft support for R41 series.	12,00		√ √
LT304	Pair of short telescopic arms 600 mm with splined bushing and brackets to weld on.	117,00		√ √
LT305	Pair of long telescopic arms 800 mm with splined bushing and brackets to weld on.	136,00		√ √
LT309	Pair of short telescopic arms 600 mm with cylindrical bushing and brackets to weld on.	106,00		√ √
LT310	Pair of long telescopic arms 800 mm with cylindrical bushing and brackets to weld on.	119,00		√ √
LT311	Pair of short telescopic arms 600 mm and brackets to weld on.	81,00		√ √
LT312	Pair of long telescopic arms 800 mm and brackets to weld on.	92,00		√ √

BR41

SPLINED SHAFT

BRUSHLESS MOTOR

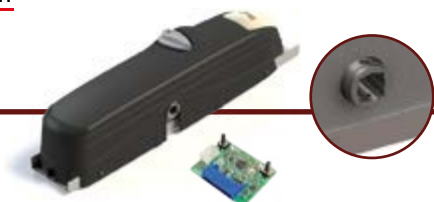


OPTIONAL ACCESSORIES					
CODE	DESCRIPTION	PICTURE / PRICE EURO		BR 41 / 830	BR 41 / 831
LT313	Rough splined bushing to weld on.	18,00		√	√
LT322	Pair long curved telescopic arms 800 mm with cylindrical bushing and brackets to weld on.	144,00		√	√
LT323	Pair long curved telescopic arms 800 mm with splined bushing and brackets to weld on.	151,00		√	√
RL653	Kit for external key release with extension.	57,00		√	√
RL656	Kit for external release with key (variable code).	51,00		√	√
RL657	Kit for external release with existing handle for R41 series.	61,00		√	√
RL662	Kit for external release with key (fixed code KA3001).	48,00		√	√
KT216	Fixing bracket L.619 mm for R41 series.	25,00		√	√
KT217	Fixing bracket L.2000 mm for R41 series.	68,00		√	√



BR41

SQUARE SHAFT



BRUSHLESS MOTOR

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
BR41/830/Q	Electromechanical motor BRUSHLESS low voltage, super intensive use, irreversible, for overhead doors up to 8 mq, without control unit and with mechanical limit switch. Version square connection (version for double motor installation).	50	717,00
			 
BR41/831/Q	Electromechanical motor BRUSHLESS low voltage, super intensive use, irreversible, for overhead doors up to 8 mq, with built-in control unit B70/1B and mechanical limit switch. Version with square connection. With 2-channel radio receiver installed on board.	50	900,00
			 

BR41

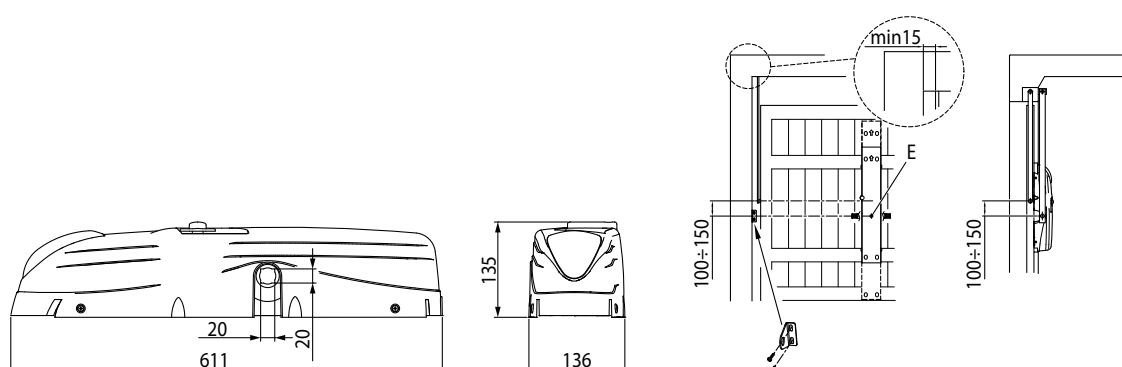
SQUARE SHAFT

BRUSHLESS MOTOR



FEATURES		
MODEL	BR41/830/Q	BR41/831/Q
Max load size	8 mq	8 mq
Power line supply	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W
Motor power supply	24V	24V
Power rating	150W	150W
Frequency of use	Intensive use	Intensive use
Torque	50 - 380 N m	50 - 380 N m
Operating temperature	-20+55°C	-20+55°C
Protection level	IP40	IP40
Manoeuvre speed	1,3 - 2,2 Rpm	1,3 - 2,2 Rpm
Opening time	Adjustable	Adjustable
Limit switch	Microswitch in opening and closing	Microswitch in opening and closing
Recommended digital controllers	It works exclusively with B70/2B/BOX	-
Onboard control unit	-	B70/1B
Encoder	High-resolution native digital encoder	High-resolution native digital encoder
Type output shaft	Square connection 20x20mm	Square connection 20x20mm
Operating cycles per day (opening/closing - 24 hours no stop)	800	800

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO	BR 41/830/Q	BR 41/831/Q
LT308Q	Pair of drive shafts L 2000 mm version square connection.	95,00 	√	√
LT325	Mounting accessories for driving device with square transmission tube.	85,00 	√	√
LT326	Drive shaft L 3000 mm, version square connection.	108,00 	√	√
LT304Q	Pair of short telescopic arms 600 mm version square connection and brackets to weld on.	104,00 	√	√
LT305Q	Pair of long telescopic arms 800 mm version square connection and brackets to weld on.	118,00 	√	√
LT311	Pair of short telescopic arms 600 mm and brackets to weld on.	81,00 	√	√
LT312	Pair of long telescopic arms 800 mm and brackets to weld on.	92,00 	√	√
LT322Q	Pair long curved telescopic arms 800 mm version square connection and brackets to weld on.	173,00 	√	√

BR41

SQUARE SHAFT

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO	BR 41 / 830 / Q	BR 41 / 831 / Q
RL653	Kit for external key release with extension.	57,00 	√	√
RL656	Kit for external release with key (variable code).	51,00 	√	√
RL657	Kit for external release with existing handle for R41 series.	61,00 	√	√
RL662	Kit for external release with key (fixed code KA3001).	48,00 	√	√
KT216	Fixing bracket L.619 mm for R41 series.	25,00 	√	√
KT217	Fixing bracket L.2000 mm for R41 series.	68,00 	√	√



R41

SPLINED SHAFT



TRADITIONAL MOTOR

 **ROGER**
230V AC

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
R41/830 	Electromechanical motor 230V AC, irreversible, fast, ideal for overhead doors up to 8 mq, without control unit, with mechanical limit switch.	50	527,00
R41/831 	Electromechanical motor 230V AC, irreversible, fast, ideal for overhead doors up to 8 mq, with control unit series H70, encoder and mechanical limit switch.	50	744,00
R41/832 	Electromechanical motor 230V AC, irreversible, slow, ideal for overhead doors up to 8 mq, without control unit, with mechanical limit switch.	50	541,00
R41/833 	Electromechanical motor 230V AC, irreversible, slow, ideal for overhead doors up to 8 mq, with control unit series H70, encoder and mechanical limit switch.	50	776,00

R41

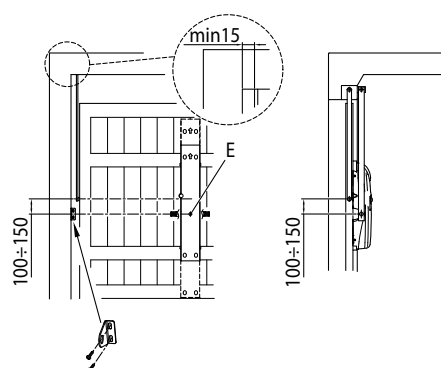
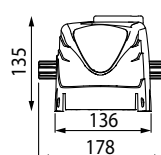
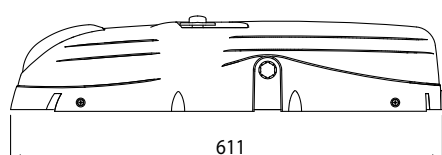
SPLINED SHAFT

TRADITIONAL MOTOR

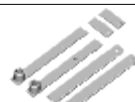
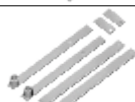


FEATURES				
MODEL	R41/830	R41/831	R41/832	R41/833
Max load size	8 mq	8 mq	8 mq	8 mq
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption		≤ 0,5W		≤ 0,5W
Motor power supply	230V AC	230V AC	230V AC	230V AC
Power rating	200W	200W	180W	180W
Frequency of use	40%	40%	30%	30%
Torque	380 N m	380 N m	250 N m	250 N m
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP40	IP40	IP40	IP40
Manoeuvre speed	1,5 Rpm	1,5 Rpm	1 Rpm	1 Rpm
Opening time	Adjustable	Adjustable	Adjustable	Adjustable
Motor thermal protection	150°C	150°C	150°C	150°C
Limit switch	Microswitch in opening and closing	Microswitch in opening and closing	Microswitch in opening and closing	Microswitch in opening and closing
Onboard control unit	-	H70/104AC	-	H70/104AC
Encoder	-	Optical	-	Optical

DIMENSIONS IN MILLIMETERS



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R41/830	R41/831	R41/832	R41/833
LT306	Pair of drive shafts L 200 mm complete with support.	91,00 	√	√	√	√
LT307	Pair of drive shafts L 1500 mm complete with support.	113,00 	√	√	√	√
LT308	Pair of drive shafts L 2000 mm complete with support.	143,00 	√	√	√	√
LT321	Shaft support for R41 series.	12,00 	√	√	√	√
LT304	Pair of short telescopic arms 600 mm with splined bushing and brackets to weld on.	117,00 	√	√	√	√
LT305	Pair of long telescopic arms 800 mm with splined bushing and brackets to weld on.	136,00 	√	√	√	√
LT309	Pair of short telescopic arms 600 mm with cylindrical bushing and brackets to weld on.	106,00 	√	√	√	√
LT310	Pair of long telescopic arms 800 mm with cylindrical bushing and brackets to weld on.	119,00 	√	√	√	√
LT311	Pair of short telescopic arms 600 mm and brackets to weld on.	81,00 	√	√	√	√
LT312	Pair of long telescopic arms 800 mm and brackets to weld on.	92,00 	√	√	√	√
LT313	Rough splined bushing to weld on.	18,00 	√	√	√	√

R41

TRADITIONAL MOTOR



SPLINED SHAFT

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R41/830	R41/831	R41/832	R41/833
LT322	Pair long curved telescopic arms 800 mm with cylindrical bushing and brackets to weld on.	144,00 	√	√	√	√
LT323	Pair long curved telescopic arms 800 mm with splined bushing and brackets to weld on.	151,00 	√	√	√	√
RL653	Kit for external key release with extension.	57,00 	√	√	√	√
RL656	Kit for external release with key (variable code).	51,00 	√	√	√	√
RL657	Kit for external release with existing handle for R41 series.	61,00 	√	√	√	√
RL662	Kit for external release with key (fixed code KA3001).	48,00 	√	√	√	√
KT216	Fixing bracket L.619 mm for R41 series.	25,00 	√	√	√	√
KT217	Fixing bracket L.2000 mm for R41 series.	68,00 	√	√	√	√





SECTIONAL DOOR

The automations of Roger Technology for the sectional doors have been developed in version with motor from 1000N, that allow to open doors with weight till 120 Kg.

The transmission is with belt and all of them are equipped with strong guides made in aluminum of 3/5 meters.

PRODUCT LEGEND



Brushless Motor with Digital Technology designed, manufactured and assembled in Italy by Roger Technology



Precision 230V Asynchronous Motor, designed and manufactured in Italy by Roger Technology

MOTOR TYPE

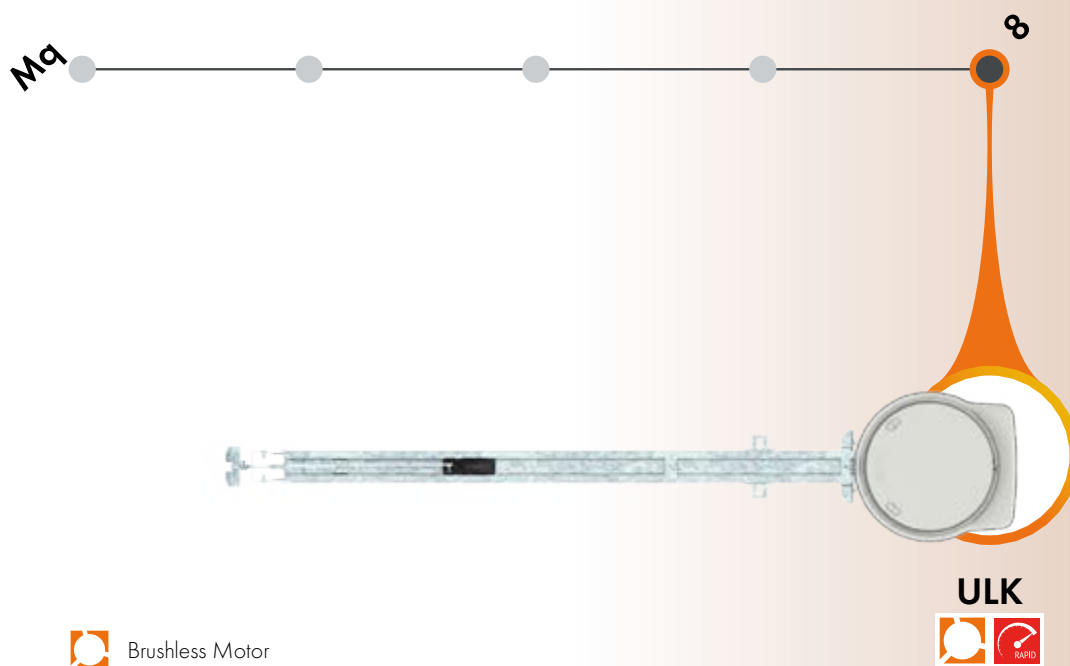
-  Brushless Motor
-  Standard Motor

PRIMARY ADVANTAGE

-  Intensive Use
-  Reversible Motor
-  High Speed Motor

BETTER USE

-  Residential Use
-  Commercial Use
-  Industrial Use
-  Parking



-  Brushless Motor
-  230V AC Motor
-  High Speed Motor
-  Reversible Motor



SECTIONAL DOOR **OVERVIEW**



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
UL/1200/HS 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sectional doors with built-in digital controller B70 series. Compatible with UL series guides. With 2-channel radio receiver installed on board.	36	960,00
UL/1200/HS/115 	Electromechanical motor HIGH SPEED BRUSHLESS low voltage, super intensive use, irreversible, ideal for sectional doors with built-in digital controller B70 series. Compatible with UL series guides. With 2-channel radio receiver installed on board. 115V line power supply.	36	960,00
UL/1400 	Electromechanical motor BRUSHLESS low voltage, super intensive use, irreversible, ideal for sectional doors with built-in digital controller B70 series. Compatible with UL series guides. With 2-channel radio receiver installed on board.	36	1.012,00
UL/1400/115 	Electromechanical motor BRUSHLESS low voltage, super intensive use, irreversible, ideal for sectional doors with built-in digital controller B70 series. Compatible with UL series guides. With 2-channel radio receiver installed on board. 115V line power supply.	36	1.012,00

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
UL/G330	Press-folded carbon steel track with on-board motor attachment, length 3300 mm with belt already installed on board.	36	147,00
UL/G330/HR	Press-folded carbon steel track with on-board motor attachment, length 3300 mm with 6-wire reinforced belt (composed of 2pcs of 1650 mm each).	36	164,00
UL/G400	Press-folded carbon steel track with on-board motor attachment, length 4000 mm with belt already installed on board.	36	175,00
UL/G400/HR	Press-folded carbon steel track with on-board motor attachment, length 4000 mm with 6-wire reinforced belt (composed of 2pcs of 2000 mm each).	36	191,00
UL/G500	Press-folded carbon steel track with on-board motor attachment, length 5000 mm with belt already installed on board.	36	202,00

FEATURES				
MODEL	UL/1200/HS	UL/1200/HS/115	UL/1400	UL/1400/115
Power line supply	230V AC - 50 Hz	115V AC - 60 Hz	230V AC - 50 Hz	115V AC - 60 Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Motor power supply	36 V	36 V	36 V	36 V
Power rating	240 W	240 W	240 W	240 W
Frequency of use	Intensive use	Intensive use	Intensive use	Intensive use
Thrust	200 N	200 N	200 N	200 N
Operating temperature	-20+55°C	-20+50°C	-20+50°C	-20+50°C
Protection level	IP40	IP40	IP40	IP40
Manoeuvre speed	10-18 m/min	10-18 m/min	2.5-13.3 m/min	2.5-13.3 m/min
Onboard control unit	B70/1THP	B70/1THP	B70/1THP	B70/1THP
Encoder	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR

ULK

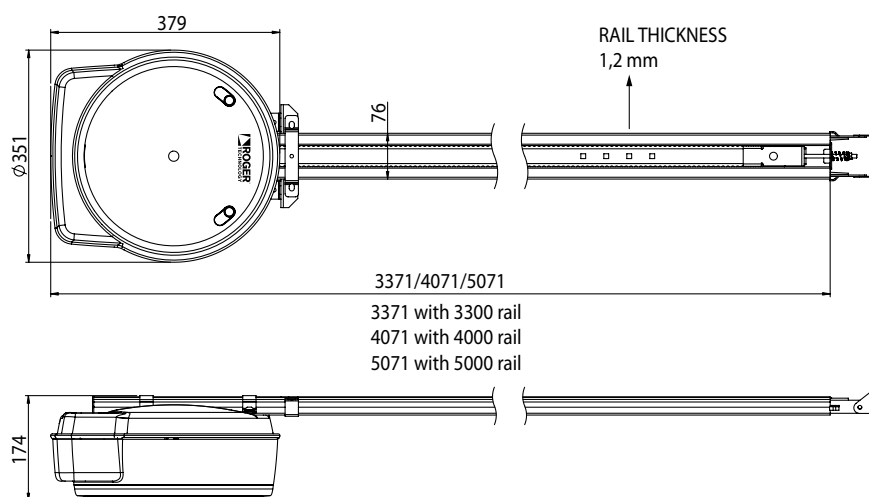
UP TO 8 MQ

BRUSHLESS MOTOR



OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO	UL/1200/HS	UL/1200/HS/115
LT324	Oscillating arm sliding on bearings for overhead and overflowing doors.	287,00 	√	√
RL654	Kit for external release with existing handle.	59,00 	√	√
RL655	Kit for external release complete with handle.	139,00 	√	√
LT314	Pair of optional fixing brackets.	16,00 	√	√

DIMENSIONS IN MILLIMETERS



[GO TO ACCESSORIES](#) 

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INDUSTRIAL DOOR

Roger Technology automations for industrial folding doors, designed to guarantee high performance, safety and long life, ideal for high traffic industrial environments.

PRODUCT LEGEND



Brushless Motor with Digital Technology designed, manufactured and assembled in Italy by Roger Technology



Precision 230V Asynchronous Motor, designed and manufactured in Italy by Roger Technology

MOTOR TYPE

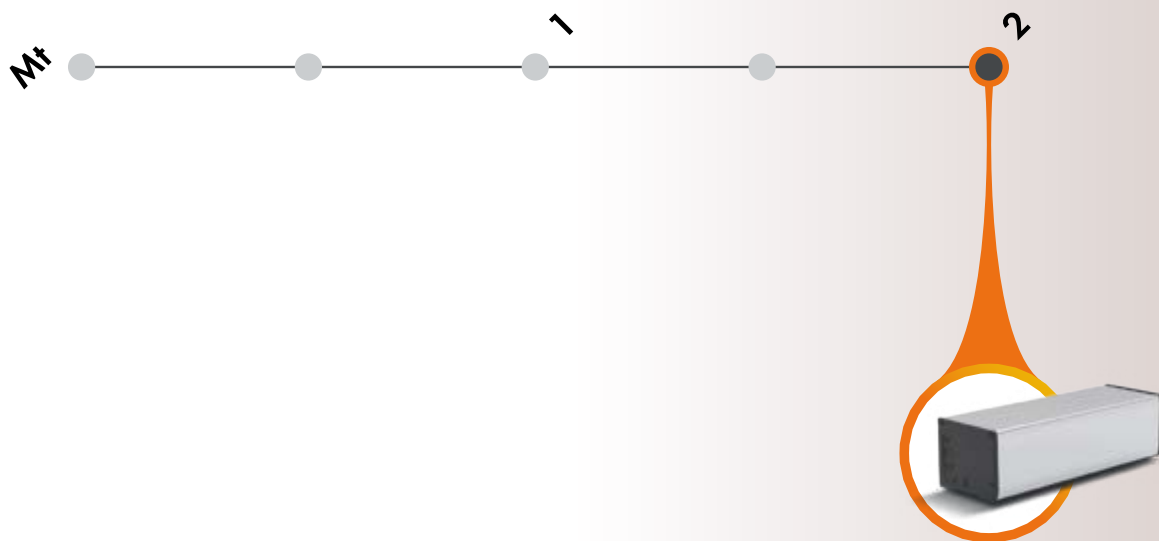
-  Brushless Motor
-  Standard Motor

PRIMARY ADVANTAGE

-  Intensive Use
-  Reversible Motor
-  High Speed Motor

BETTER USE

-  Residential Use
-  Commercial Use
-  Industrial Use
-  Parking



NAVI



Brushless Motor



230V AC Motor



High Speed Motor



Reversible Motor



INDUSTRIAL DOOR **OVERVIEW**



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
NV/200/DX	Electromechanical motor BRUSHLESS IPU TECHNOLOGY low voltage, intensive use, irreversible, on-board power inverter with integrated digital encoder, ideal for single-wing and double-wing doors, mechanical stop on opening. Without slide arm, preassembled motor for right installation.	24	1.812,00
			
NV/200/SX	Electromechanical motor BRUSHLESS IPU TECHNOLOGY low voltage, intensive use, irreversible, on-board power inverter with integrated digital encoder, ideal for single-wing and double-wing doors, mechanical stop on opening. Without slide arm, preassembled motor for left installation.	24	1.812,00
			

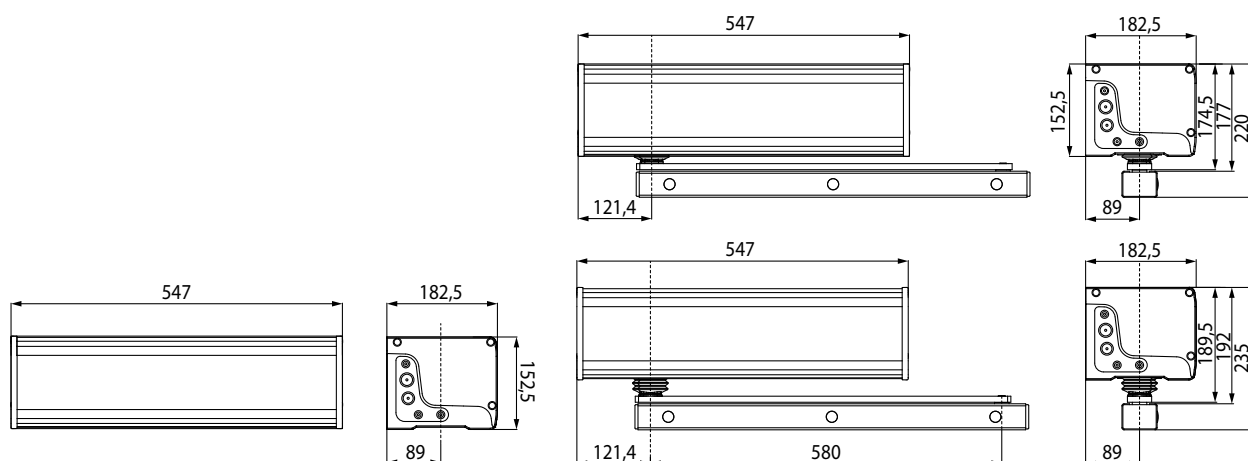
FEATURES		
MODEL	NV/200/DX	NV/200/SX
Power line supply	230V AC 50Hz	230V AC 50Hz
Motor power supply	36V	36V
Power rating	240W	240W
Frequency of use	Intensive use	Intensive use
Torque	240 N m	240 N m
Operating temperature	-20+55° C	-20+55° C
Protection level	IP44	IP44
Manoeuvre speed	0,75 - 2,8 Rpm	0,75 - 2,8 Rpm
Opening time	10 s	10 s
Limit switch	Mechanical stopper in opening	Mechanical stopper in opening
Recommended digital controllers	F70/IPU36/BOX/P - F70/IPU36/BOX/SL	F70/IPU36/BOX/P - F70/IPU36/BOX/SL
Encoder	Digital magnetic encoder SENSORED, 4096 PPR	Digital magnetic encoder SENSORED, 4096 PPR
Release system	External lever with cord	External lever with cord
Batteries recovery	3 external batteries 12V DC 4,5 Amp/h (on external box) - optional	3 external batteries 12V DC 4,5 Amp/h (on external box) - optional
Operating cycles per day (opening/closing - 24 hours no stop)	500	500

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	NV/200/DX	NV/200/SX
LT339	Slide arm NAVI series.	309,00 	√	√
B71/BCIPU	Batteries charger for Brushless digital controller F70/IPU36.	87,00 	√	√
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00 	√	√
RL674	Kit for inside release with 4.5 m wire cord for NAVI series.	50,00 	√	√

NOTE: B71/BCIPU WILL BE AVAILABLE TOWARDS THE LAST QUARTER OF THE YEAR 2025

DIMENSIONS IN MILLIMETERS





ACCESSORIES & SECURITY

The product range of Roger Technology is completed with an ample choice regarding the electronic solutions.

In this section you can find out all the accessories and security systems that include Flashings, antennas, the series of external and built-in photocells, synchronized or adjustable and the set of built-in or external key selectors available with standard or European cylinders.

PRODUCT LEGEND



Brushless Motor with Digital Technology designed, manufactured and assembled in Italy by Roger Technology



Precision 230V Asynchronous Motor, designed and manufactured in Italy by Roger Technology

MOTOR TYPE

-  Brushless Motor
-  Standard Motor

PRIMARY ADVANTAGE

-  Intensive Use
-  Reversible Motor
-  High Speed Motor

BETTER USE

-  Residential Use
-  Commercial Use
-  Industrial Use
-  Parking

ENG

ACCESSORIES LIST

CONTROL UNIT 256

IPU 256

F70/IPU36/BOX	256
	669,00
F70/IPU36/BOX/115	256
	669,00
F70/IPU36/BOX/P	258
	824,00
F70/IPU36/BOX/P115	258
	824,00
F70/IPU36/BOX/SL	258
	700,00
F70/IPU36/BOXSL115	258
	700,00

H70 260

H70/105AC/BOX	260
	256,00
H70/200AC/BOX	261
	288,00
KIT H70/21	261
	517,00
KIT H70/22	261
	547,00

KIT H70 262

B70 264

B70/2B/BOX	264
	503,00
B70/2ML/BOX	264
	477,00
B70/2ML/BOX/115	264
	477,00
KIT B70/2ML/20	264
	675,00

KIT B70 266

EDGE1 268

EDGE1/BOX	268
	593,00
EDGE1/BOX/115	268
	593,00
KIT EDGE1/20	268
	792,00

KIT EDGE1 271

INVERTER 272

POWER BOX 272

B71/PBX24/BOX	272
	900,00
B71/PBX24/BOX/115	272
	900,00
B71/PBX36/BOX	272
	918,00
B71/PBX36/BOX/115	272
	918,00
B71/PBX/BOX	272
	837,00

RADIO RECEIVERS

274

H93 274

H93/RX2LP/I	275
	56,00
H93/RX2RC/I	274
	76,00
H93/RX20/I	274
	56,00
H93/RX22A/I	274
	71,00

R93 276

R93/RX20/U	276
	74,00
R93/RX433/U	276
	77,00

TRANSMITTERS 278

SYNUS 278

SYNUS/2	278
	44,00

T80 279

T80/TX2	279
	40,00

E80 280

E80/TX2R/RC	280
	38,00
E80/TX4R/RC	280
	39,00
E80/TX52R/2	280
	37,00
E80/TX54R/2	280
	38,00

M80 281

ANTENNAS & FLASHING LIGHTS

282

FIFTHY 282

FIFTHY/24	282
	74,00
FIFTHY/24/OR	282
	76,00
FIFTHY/230	282
	74,00
FIFTHY/230/OR	282
	76,00
R91/AN1/P1	282
	22,00

PHOTOCELLS 284

R90 284

R90/F2ES 284
57,00

R90/F4ES 284
77,00

T90 285

T90/F2S 285
66,00

T90/F4S 285
86,00

G90 286

G90/F2ES/TRIX/RX 286
88,00

G90/F2ES/TRIX/TX 286
88,00

G90/F2ES 286
70,00

G90/F2ESI 286
75,00

G90/F4ES 286
86,00

G90/F4ESI 286
98,00

G90/F4ES/TRIX/RX 286
102,00

G90/F4ES/TRIX/TX 286
102,00

M90 288

M90/F2ESO 288
76,00

M90/F2ES 288
68,00

M90/F4ES 288
90,00

M90/F4ESO 288
98,00

KEYPAD SELECTORS 290

H85 290

H85/TDR/E 292
141,00

H85/TDR/I 292
141,00

H85/TDR/TRIX 292
191,00

H85/TDS/E 290
112,00

H85/TDS/I 290
112,00

H85/TDS/TRIX 290
163,00

H85/TTD/E 294
174,00

H85/TTD/I 294
174,00

H85/TTD/TRIX 294
201,00

DECODER CARD 296

H85/DEC2 296
76,00

H85/DEC 296
101,00

H85/DEC2/BOX 296
79,00

H85/DEC/BOX 296
117,00

KEY SELECTORS 298

R85 298

R85/60EAE 298
71,00

R85/60EAE/TRIX 298
103,00

R85/60EAS 298
59,00

R85/60EAS/TRIX 298
85,00

R85/60ES 298
46,00

R85/60IAE 298
65,00

R85/60IAS 298
50,00

R85/60IS 298
42,00

SAFETY EDGES 300

CS 300

CS/PAS/1600 300
71,00

CS/PAS/2000 300
86,00

CS/RX 300
145,00

CS/STD/MC/1600 300
114,00

CS/STD/MC/2000 300
131,00

CS/STD/RS/1600 300
191,00

CS/STD/RS/2000 300
219,00

CS/STD/RSTX/1600 300
348,00

CS/STD/RSTX/2000 300
374,00

PHOTOCELL COLUMN 302

CFT 302

CFT500 302
93,00

CFT501 302
133,00

TRIX 303

TRIX50/G90 303
79,00

TRIX50 303
92,00

TRIX100 303
128,00

TRIX100/G90 303
123,00

CRA 304

CRA50/M90 304
42,00

CRA50 304
40,00

CRA100 304
63,00

CRA100/M90 304
65,00

CRA/BAR 304
27,00

CRA/BAR/M90 304
29,00

CONNECTION MODULES 306

B-CONNECT 306

B74/BCONNECT
vers. HW2 306
195,00

SIGNBOARDS 307

R99 307

R99/BASB20 307
23,00

R99/C/001 307
5,00

R99/C/001AL 307
16,00

COMPATIBILITY TABLE 308

GENERAL SALES TERMS 312

IPU

REGULAR
PLASTIC BOX



CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
F70/IPU36/BOX	Digital control 36V for 2 BRUSHLESS IPU TECHNOLOGY motors, in plastic box.	50	669,00
F70/IPU36/BOX/115	Digital control 36V for 2 BRUSHLESS IPU TECHNOLOGY motors, in plastic box. 115V line power supply.	50	669,00

FEATURES		
MODEL	F70/IPU36/BOX	F70/IPU36/BOX/115
Power line supply	230 V AC $\pm$ 10% 50 Hz	115 V AC $\pm$ 10% 60 Hz
Operating temperature	-20°C + 55°C	-20°C + 55°C
Protection level	IP54	IP54
N. motors activated	2 Brushless motor	2 Brushless motor
Max power per motor	250W	250W
Max courtesy light charge	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC
Max power gate open light	3W (24V DC)	3W (24V DC)
Max voltage accessories output	20W (24V DC)	20W (24V DC)
Electrical-Lock max power	15W (12V DC)	15W (12V DC)
Flash light voltage	24V DC	24V DC
Max flashing light charge	10W	10W
Battery	Optional	Optional



IPU

REGULAR
PLASTIC BOX

CONTROL UNIT

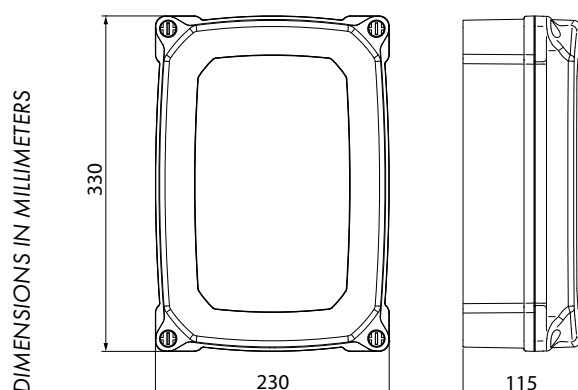


IPU TECHNOLOGY

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	F70/IPU36/BOX	F70/IPU36/BOX/115
B71/BCIPU	Batteries charger for Brushless digital controller F70/IPU36.	87,00 	√	√

NOTE: B71/BCIPU WILL BE AVAILABLE TOWARDS THE LAST QUARTER OF THE YEAR 2025



IPU

SMALL
PLASTIC BOX



CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
F70/IPU36/BOX/SL	Digital control 36V for 2 BRUSHLESS IPU TECHNOLOGY motors, in small plastic box.	50	700,00
F70/IPU36/BOXSL115	Digital control 36V for 2 BRUSHLESS IPU TECHNOLOGY motors, in small plastic box. 115V line power supply.	50	700,00
F70/IPU36/BOX/P	Digital control 36V for 2 BRUSHLESS IPU TECHNOLOGY motors, in small plastic box with buttons and display.	50	824,00
F70/IPU36/BOX/P115	Digital control 36V for 2 BRUSHLESS IPU TECHNOLOGY motors, in small plastic box with buttons and display. 115V line power supply.	50	824,00

FEATURES				
MODEL	F70/IPU36/BOX/SL	F70/IPU36/BOXSL115	F70/IPU36/BOX/P	F70/IPU36/BOX/P115
Power line supply	230 V AC $\pm$ 10% 50 Hz	115 V AC $\pm$ 10% 60 Hz	230 V AC $\pm$ 10% 50 Hz	115 V AC $\pm$ 10% 60 Hz
Operating temperature	-20°C + 55°C	-20°C + 55°C	-20°C + 55°C	-20°C + 55°C
Protection level	IP54	IP54	IP54	IP54
N. motors activated	2 Brushless motor	2 Brushless motor	2 Brushless motor	2 Brushless motor
Max power per motor	250W	250W	250W	250W
Max courtesy light charge	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC
Max power gate open light	3W (24V DC)	3W (24V DC)	3W (24V DC)	3W (24V DC)
Max voltage accessories output	20W (24V DC)	20W (24V DC)	20W (24V DC)	20W (24V DC)
Electrical-Lock max power	15W (12V DC)	15W (12V DC)	15W (12V DC)	15W (12V DC)
Flash light voltage	24V DC	24V DC	24V DC	24V DC
Max flashing light charge	10W	10W	10W	10W
Battery	Optional	Optional	Optional	Optional



IPU

SMALL
PLASTIC BOX

CONTROL UNIT



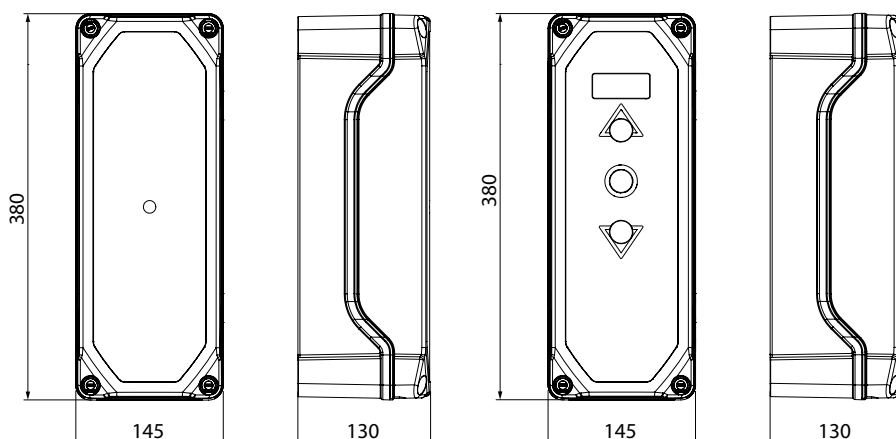
IPU TECHNOLOGY

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	F70/IPU36/BOX/SL	F70/IPU36/BOX/SL115	F70/IPU36/BOX/P	F70/IPU36/BOX/P115
B71/BCIPU	Batteries charger for Brushless digital controller F70/IPU36.	87,00 	√	√	√	√

NOTE: B71/BCIPU WILL BE AVAILABLE TOWARDS THE LAST QUARTER OF THE YEAR 2025

DIMENSIONS IN MILLIMETERS



H70

1 MOTOR - 230V AC



CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H70/105AC/BOX	Universal control unit for 1 asynchronous motor 230V AC 50/60 Hz with slow-down, in plastic box.	50	256,00

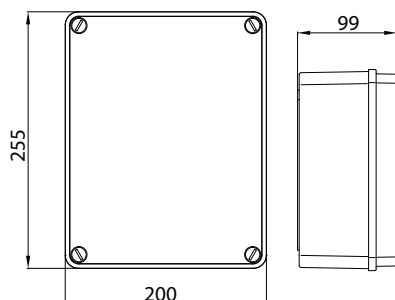
FEATURES	
MODEL	H70/105AC/BOX
Power line supply	230V AC - 50Hz
Stand-by consumption	≤ 0,5W
Operating temperature	-10+55 C°
Protection level	IP56
N. motors activated	1 asynchronous monophase
Max power per motor	600W (230V AC)
Max courtesy light charge	100W 230Vac - 25W 24Vac/dc
Max power gate open light	2W 24Vac
Max voltage accessories output	300mA - 24Vcc
Max flashing light charge	440W 230Vac - 25W 24Vac/dc

[GO TO KIT](#) 

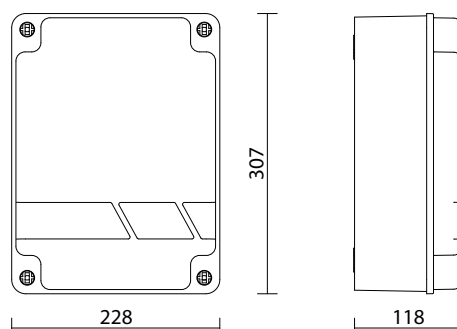
[GO TO ACCESSORIES](#) 

[BACK TO INDEX](#) 

H70/105AC/BOX



H70/200AC/BOX



DIMENSIONS IN MILLIMETERS



H70

2 MOTORS - 230V AC



CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H70/200AC/BOX	Control unit for 2 motors 230V AC with slow-down functions, in plastic box.	50	288,00
KIT H70/21	Electronic kit with control unit H70/200AC for 2 motors, with wall antenna and without flashing light.	49	517,00
KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.	49	547,00

FEATURES

MODEL	H70/200AC/BOX	KIT H70/21	KIT H70/22
Power line supply	230V AC - 50Hz	230V AC - 50Hz	230V AC - 50Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W
Operating temperature	-10+55 C°	-10+55 C°	-10+55 C°
Protection level	IP54	IP54	IP54
N. motors activated	2 asynchronous monophase	2 asynchronous monophase	2 asynchronous monophase
Max power per motor	600W 230Vac	600W 230Vac	600W 230Vac
Max courtesy light charge	100W (12-230V ac/dc)	100W (12-230V ac/dc)	100W (12-230V ac/dc)
Max power gate open light	2W 24Vac	2W 24Vac	2W 24Vac
Max voltage accessories output	350mA 24Vac (500mA 24Vcc)	350mA 24Vac (500mA 24Vcc)	350mA 24Vac (500mA 24Vcc)
Max flashing light charge	40W (12-230V ac/dc)	40W (12-230V ac/dc)	40W (12-230V ac/dc)

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	H70/200AC/BOX
H70/EL	Electric lock module 12V for control unit H70/104AC - H70/105AC - H70/200AC.	45,00 	√

KIT H70

2 MOTORS - 230V AC

CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT H70/21	Electronic kit with control unit H70/200AC for 2 motors, with wall antenna and without flashing light.	49	517,00
KIT COMPOSITION			
N. 1 - H70/200AC/BOX	Control unit for 2 motors 230V AC with slow-down functions, in plastic box.		
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - R91/AN1/P1	Antenna designed for wall fixing.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		



KIT H70

2 MOTORS - 230V AC

CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT H70/22	Electronic kit with control unit H70/200AC for 2 motors, with T80/TX2 remote control.	49	547,00
KIT COMPOSITION			
N. 1 - H70/200AC/BOX	Control unit for 2 motors 230V AC with slow-down functions, in plastic box.		
N. 1 - H93/RX22A/1	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.		
N. 2 - T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F2ES	Pair of external photocells synchronized.		
N. 1 - FIFTY/230	LED flashing light 230V - 115V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

B70

2 MOTORS
BRUSHLESS



CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
B70/2B/BOX	Digital control 24V only for 2 overhead doors automations BRUSHLESS (cod. BR41/830 or BR41/830/Q), in plastic box. With 2-channel radio receiver installed on board.	50	503,00
B70/2ML/BOX	Digital control 24V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.	50	477,00
B70/2ML/BOX/115	Digital control 24V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board. 115V line power supply.	50	477,00
KIT B70/2ML/20	Electronic kit with digital controller 24V B70/2ML/BOX for 2 motors BRUSHLESS. With 2-channel radio receiver installed on board.	49	675,00

FEATURES

MODEL	B70/2B/BOX	B70/2ML/BOX	B70/2ML/BOX/115	KIT B70/2ML/20
Power line supply	230V AC - 50 Hz	230V AC - 50 Hz	115V AC - 60Hz	230V AC - 50 Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W	≤ 0,5W
Operating temperature	-10+55 C°	-10+55 C°	-10+55 C°	-10+55 C°
Protection level	IP54	IP54	IP54	IP54
N. motors activated	2 Brushless motor BR41/830 or BR41/830/Q	2 Brushless motor	2 Brushless motor	2 Brushless motor
Max power per motor	200W	110W	110W	110W
Max courtesy light charge	2x5 W (24V DC)	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC
Max power gate open light	3W (24V DC)	3W (24V DC)	3W (24V DC)	3W (24V DC)
Max voltage accessories output	10W (24V DC)	10W (24V DC)	10W (24V DC)	10W (24V DC)
Electrical-Lock max power	15W (12Vdc)	15W (12V DC)	15W (12V DC)	15W (12V DC)
Flash light voltage	24V DC	24V DC	24V DC	24V DC
Max flashing light charge	25W	25W	25W	25W
Battery	Optional	Optional	Optional	Optional



B70

2 MOTORS
BRUSHLESS

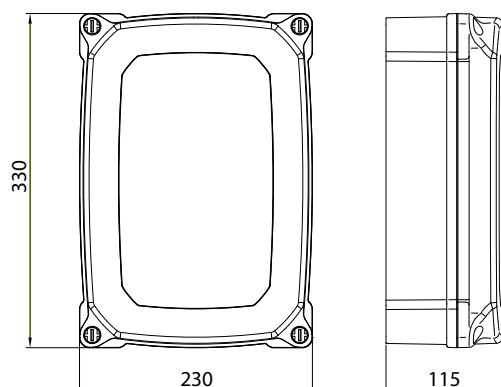
CONTROL UNIT



OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	B70/2B/BOX	B70/2ML/BOX	B70/2ML/BOX/115
B71/BC/INT	Kit for emergency batteries charger for Brushless digital controller 24V DC with plug-in card, with 2 recovery batteries 12V DC, 1,2 Ah. Box case included.	172,00 	√	√	√
B71/BC/EXT	Kit for emergency batteries charger for Brushless digital controller 24V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Box case included.	373,00 	√	√	√
B71/BC/BOX	Kit for emergency batteries charger for Brushless digital controller 24V DC. Box case included, without recovery batteries.	135,00 	√	√	√

DIMENSIONS IN MILLIMETERS



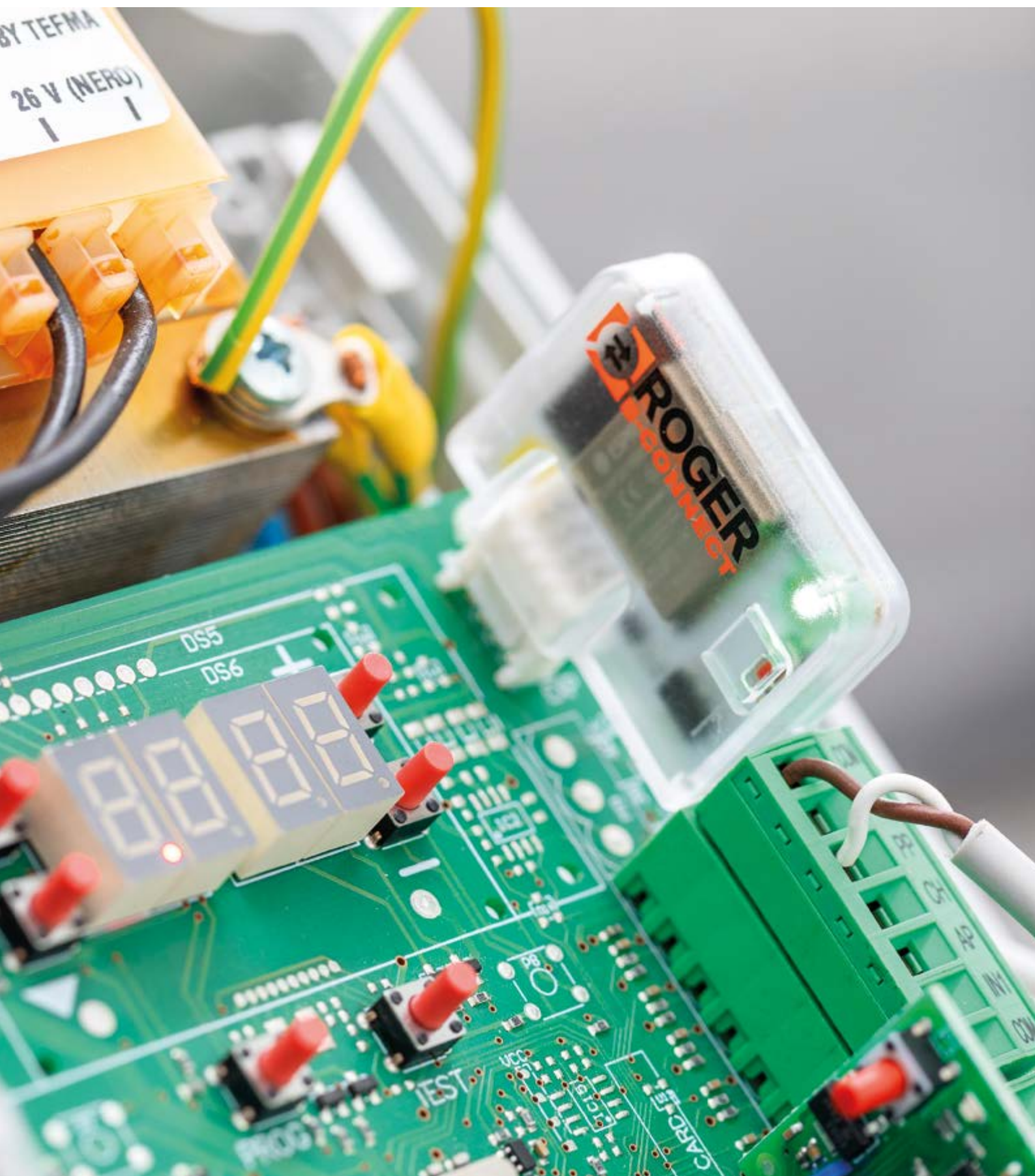
KIT B70

2 MOTORS
BRUSHLESS

CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT B70/2ML/20	Electronic kit with digital controller 24V B70/2ML/BOX for 2 motors BRUSHLESS. With 2-channel radio receiver installed on board.	49	675,00
KIT COMPOSITION			
N. 1 - B70/2ML/BOX	Digital control 24V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.		
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.		
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		



EDGE1

2 MOTORS
BRUSHLESS



CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
EDGE1/BOX	Digital control 36V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.	50	593,00
EDGE1/BOX/115	Digital control 36V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board. 115V line power supply.	50	593,00
KIT EDGE1/20	Complete electronic kit with 36V EDGE1/BOX digital controller for 2 BRUSHLESS motors. With 2-channel radio receiver installed on board.	49	792,00



EDGE1

2 MOTORS
BRUSHLESS

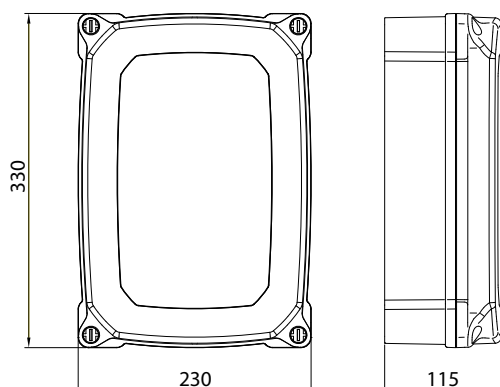
CONTROL UNIT



FEATURES

MODEL	EDGE1/BOX	EDGE1/BOX/115	KIT EDGE1/20
Power line supply	230V AC - 50 Hz	115V AC - 60Hz	230V AC - 50 Hz
Stand-by consumption	≤ 0,5W	≤ 0,5W	≤ 0,5W
Operating temperature	-10+55 C°	-10+55 C°	-10+55 C°
Protection level	IP54	IP54	IP54
N. motors activated	2 Brushless motor	2 Brushless motor	2 Brushless motor
Max power per motor	250W	250W	250W
Max courtesy light charge	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC	100W 230V AC - 40W 24V AC/DC
Max power gate open light	3W (24V DC)	3W (24V DC)	3W (24V DC)
Max voltage accessories output	20W (24V DC)	20W (24V DC)	20W (24V DC)
Electrical-Lock max power	15W (12V DC)	15W (12V DC)	15W (12V DC)
Flash light voltage	24V DC	24V DC	24V DC
Max flashing light charge	25W	25W	25W
Battery	Optional	Optional	Optional

DIMENSIONS IN MILLIMETERS



EDGE1

2 MOTORS
BRUSHLESS

CONTROL UNIT

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	EDGE1/BOX	EDGE1/BOX/115
B71/BCHP/EXT	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC with plug-in card, with 2 recovery batteries 12V DC, 4.5 Ah. Box case included.	309,00 	√	√
B71/BCHP/BOX	Kit for emergency batteries charger for Brushless digital controller B70/1DCHP - B70/1THP - EDGE1/BOX 36V DC. Box case included, without recovery batteries.	146,00 	√	√

KIT EDGE1

2 MOTORS
BRUSHLESS

CONTROL UNIT



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET	PRICE EURO
KIT EDGE1/20	Complete electronic kit with 36V EDGE1/BOX digital controller for 2 BRUSHLESS motors. With 2-channel radio receiver installed on board.	49	792,00
KIT COMPOSITION			
N. 1 - EDGE1/BOX	Digital control 36V for 2 BRUSHLESS motor, in plastic box. With 2-channel radio receiver installed on board.		
N. 2 - SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.		
N. 1 - R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.		
N. 1 - FIFTHY/24	LED flashing light 24V with integrated antenna.		
N. 1 - R99/C/001	Signboard "Automatic Opening".		

POWER BOX

FULL SOLAR & NETWORK ASSISTED



INVERTER

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
B71/PBX/BOX	Hybrid inverter "Full Solar" version for powering the automation. Also provides a battery-charger function thanks to the connection to the solar panels for powering the Brushless digital controllers.	30	837,00
B71/PBX24/BOX	Hybrid inverter "Network Assisted" version for powering the automation. Also provides a battery-charger function thanks to the connection to the solar panels or mains supply for powering the 24V DC brushless digital controllers.	30	900,00
B71/PBX24/BOX/115	Hybrid inverter "Network Assisted" version for powering the automation. Also provides a battery-charger function thanks to the connection to the solar panels or mains supply for powering the 24V DC Brushless digital controllers. 115V line power supply.	30	900,00
B71/PBX36/BOX	Hybrid inverter "Network Assisted" version for powering the automation. Also provides a battery-charger function thanks to the connection to the solar panels or mains supply for powering the 36V DC Brushless digital controllers.	30	918,00
B71/PBX36/BOX/115	Hybrid inverter "Network Assisted" version for powering the automation. Also provides a battery-charger function thanks to the connection to the solar panels or mains supply for powering the 36V DC Brushless digital controllers. 115V line power supply.	30	918,00

FEATURES					
MODEL	B71/PBX/BOX	B71/PBX24/BOX	B71/PBX24/BOX/115	B71/PBX36/BOX	B71/PBX36/BOX/115
Power line supply	ONLY solar panel	230V AC	115V AC	230V AC	115V
Operating temperature	-20°C +55°C	-20°C +55°C	-20°C +55°C	-20°C +55°C	-20°C +55°C
Protection level	IP66	IP66	IP66	IP66	IP66
Compatible digital controllers	Brushless 24V DC - Brushless 36V DC	Brushless 24V DC: B70/1DC, B70/2DC, B70/2ML, B70/2B, B70/1T	Brushless 24V DC: B70/1DC, B70/2DC, B70/2ML, B70/2B, B70/1T	Brushless 36V DC: EDGE1, B70/1DCHP, CTRL, CTRL/P, B70/1THP, F70/IPU36	Brushless 36V DC: EDGE1, B70/1DCHP, CTRL, CTRL/P, B70/1THP, F70/IPU36
backup batteries (not included)	Brushless 24V DC: 2 x 12V DC - Brushless 36V DC: 3 x 12V DC - USE ONLY AGM BATTERIES TYPE - 12Ah	2 x 12V DC - USE ONLY AGM BATTERIES TYPE - minimum 4.5Ah	2 x 12Vdc - USE ONLY AGM BATTERIES TYPE - minimum 4.5Ah	3 x 12V DC - USE ONLY AGM BATTERIES TYPE - minimum 4.5Ah	3 x 12V DC - USE ONLY AGM BATTERIES TYPE - minimum 4.5Ah
Number of photovoltaic panels that can be connected	2	2	2	2	2
Minimum power (photovoltaic panel)	60W	20W	20W	20W	20W
Maximum voltage from a photovoltaic panel (not charged)	22V DC	22V DC	22V DC	22V DC	22V DC
Minimum voltage from a photovoltaic panel (charged)	18V DC	18V DC	18V DC	18V DC	18V DC



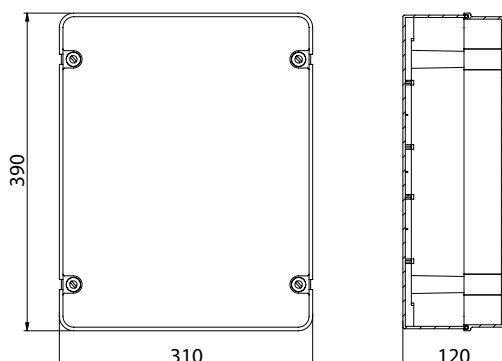
POWER BOX

INVERTER

FULL SOLAR & NETWORK ASSISTED

OPTIONAL ACCESSORIES								
CODE	DESCRIPTION	PICTURE / PRICE EURO		B71 /PBX/BOX	B71 /PBX24/BOX	B71 /PBX24/BOX/115	B71 /PBX36/BOX	B71 /PBX36/BOX/115
BT12V45	Battery 12V 4.5 Ah (1 pc).	78,00		√	√	√	√	√
BT12V70	Battery 12V 7 Ah (1 pc).	97,00		√	√	√	√	√
BT12V120	Battery 12V 12 Ah (1 pc).	187,00		√	√	√	√	√
B75/SLP/30	30W solar panel measures 625x350x25 mm.	93,00		√	√	√	√	√
B75/SLP/50	50W solar panel measures 685x515x25 mm.	144,00		√	√	√	√	√

DIMENSIONS IN MILLIMETERS



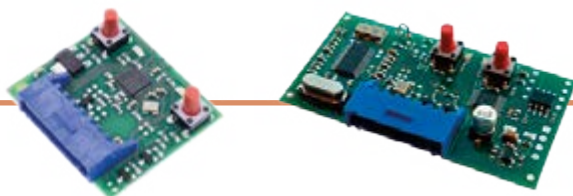
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H93

PLUG-IN RECEIVER



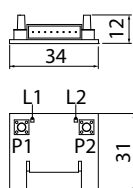
RADIO RECEIVERS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H93/RX20/I	Plug-in receiver fixed code 2 channels 433,92 MHz (50 storable codes) for control units series H70, B70, EDGE, CTRL and F70.	10	56,00
H93/RX22A/I	Plug-in receiver fixed code 2 channels 433,92 MHz (500 storable codes) for control units series H70, B70, EDGE, CTRL and F70.	10	71,00
H93/RX2RC/I	Plug-in receiver rolling code 2 channels 433,92 MHz (1000 storable codes) for control units series H70, B70, EDGE, CTRL and F70.	10	76,00

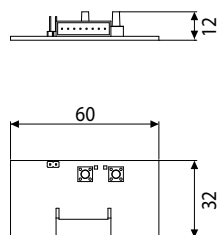
FEATURES			
MODEL	H93/RX20/I	H93/RX22A/I	H93/RX2RC/I
Standard power	5V DC	5V DC	5V DC
Absorption	15mA	15mA	18mA
Operating temperature	-10+55°C	-10+55°C	-10+55°C
Number of channels	2	2	2
Codification	Fix code	Fix code	Rolling Code
Modulation	AM/ASK	AM/ASK	AM/ASK
Carried frequency	433.92 MHz	433.92 MHz	433.92 MHz
Exit	Open collector	Open collector	Open collector
Storable codes	50	500	250/1000
Sensibility	-107 dBm	-107 dBm	-107 dBm
Input impedance	50 Ω	50 Ω	50 Ω

DIMENSIONS IN MILLIMETERS

H93/RX20/I



H93/RX22A/I - H93/RX2RC/I



H93

PLUG-IN RECEIVER

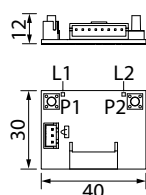


RADIO RECEIVERS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H93/RX2LP/I	Plug-in receiver fixed code / rolling code 2 channels 433,92 MHz.	10	56,00

FEATURES	
MODEL	H93/RX2LP/I
Standard power	5V DC
Absorption	15mA
Operating temperature	-10+55 °C
Number of channels	2
Codification	Fix code or Rolling Code
Modulation	AM/ASK - FM/FSK
Carried frequency	433.92 MHz
Exit	Open collector
Storable codes	Fixed code: 1000 - Rolling code: 250 (in basic mode), 1000 (in advanced mode)
Sensibility	-107 dBm
Input impedance	50 Ω
Installation Type	Installed on board automations with Brushless control unit

DIMENSIONS IN MILLIMETERS



R93

TERMINAL BLOCK RECEIVER



R93/RX433/U

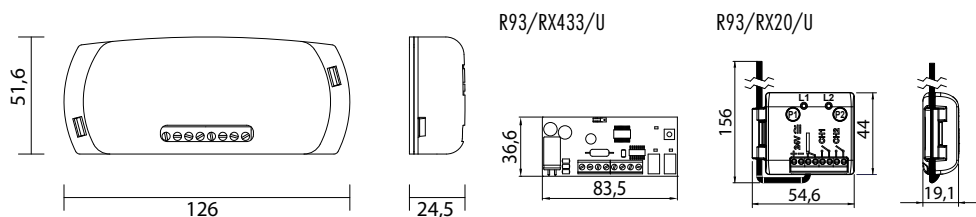
R93/RX20/U

RADIO RECEIVERS

PRODUCT CODE	DESCRIPTION	PRICE EURO
R93/RX20/U	Radio receiver fixed code 2 channels universal 433,92 MHz (50 storable codes) in plastic box.	74,00
R93/RX433/U	Radio receiver fixed code / rolling code 2 channels universal 433,92 MHz in plastic box.	77,00

FEATURES		
MODEL	R93/RX20/U	R93/RX433/U
Standard power	24V AC/DC	12/24V AC/DC
Absorption	30mA	30mA
Operating temperature	-10+55°C	-10+55°C
Number of channels	2	2
Codification	Fix code	Fix code or Rolling Code
Modulation	AM/ASK	AM/ASK - FM/FSK
Carried frequency	433.92 Mhz	433.92 Mhz
Relay contacts max current	0.5A	0.5A
Relay contacts max voltage	24V AC/DC	24V AC/DC
Exit	Relay	Relay
Storable codes	50	Fixed code: 1000 - Rolling code: 250 (in basic mode), 1000 (in advanced mode)
Sensibility	-107 dBm	-107 dBm
Input impedance	50 Ω	50 Ω

DIMENSIONS IN MILLIMETERS



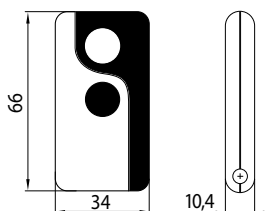




PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
SYNUS/2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.	10	44,00

FEATURES	
MODEL	SYNUS/2
Standard power	3V DC
Absorption	8mA
Operating temperature	-10+55 °C
Number of channels	2
Codification	Fix code or Rolling Code
Modulation	AM/ASK
Carried frequency	433.92MHz
Number of combinations	65.536 (Fix code) - 4.294.967.296 (Rolling code)
Types of fixed codes clonable	MANCHESTER,PCM, Max.64bit
Number of bits of the identification code	16 (Fix code) - 32 (Rolling code)
Number of bits transmitted	28 (Fix code) - 144 (Rolling code)
Radio for copy	Yes (only fixed code)
Maximum distance in open field	150m
Battery	Mod "CR2032" 3V

DIMENSIONS IN MILLIMETERS



T80

DUAL CODE

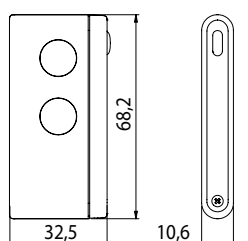


TRANSMITTERS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
T80/TX2	Dual code transmitter (modality fixed code or rolling code), 433,92 MHz, 2 channels, with copy function.	10	40,00

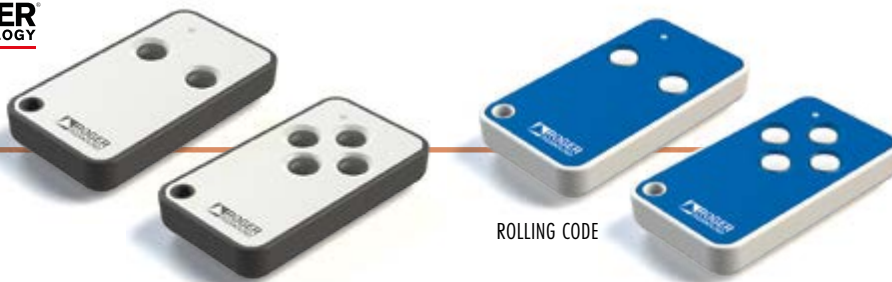
FEATURES	
MODEL	T80/TX2
Standard power	3V DC
Absorption	8mA
Operating temperature	-10+55 °C
Number of channels	2
Codification	Fix code or Rolling Code
Modulation	AM/ASK
Carried frequency	433.92MHz
Number of combinations	65.536 (Fix code) - 4.294.967.296 (Rolling code)
Types of fixed codes clonable	MANCHESTER,PCM, Max.64bit
Number of bits of the identification code	16 (Fix code) - 32 (Rolling code)
Number of bits transmitted	28 (Fix code) - 144 (Rolling code)
Radio for copy	Yes (only fixed code)
Maximum distance in open field	150m
Battery	Mod "CR2032" 3V

DIMENSIONS IN MILLIMETERS



E80

FIX CODE

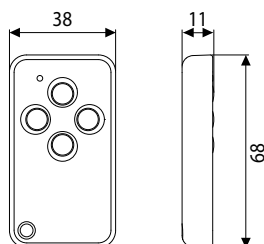


TRANSMITTERS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
E80/TX52R/2	Fix code transmitter 433,92 MHz, 2 channels, with copy function.	10	37,00
E80/TX54R/2	Fix code transmitter 433,92 MHz, 4 channels, with copy function.	10	38,00
E80/TX2R/RC	Rolling code transmitter 433,92 MHz, 2 channels, with copy function.	10	38,00
E80/TX4R/RC	Rolling code transmitter 433,92 MHz, 4 channels, with copy function.	10	39,00

FEATURES				
MODEL	E80/TX52R/2	E80/TX54R/2	E80/TX2R/RC	E80/TX4R/RC
Standard power	3V DC	3V DC	3V DC	3V DC
Absorption	12mA	12mA	12mA	12mA
Operating temperature	-10+55 °C	-10+55 °C	-10+55 °C	-10+55 °C
Number of channels	2	4	2	4
Codification	Fix code	Fix code	Rolling Code	Rolling Code
Modulation	AM/ASK	AM/ASK	AM/ASK	AM/ASK
Carried frequency	433.92MHz	433.92MHz	433.92MHz	433.92MHz
Number of combinations	65536	65536	4.294.967.296	4.294.967.296
Types of fixed codes clonable	-	-	MANCHESTER,PCM, Max.64bit	MANCHESTER,PCM, Max.64bit
Number of bits of the identification code	-	-	32	32
Number of bits transmitted	-	-	144	144
Radio for copy	Yes	Yes	Yes	Yes
Maximum distance in open field	150m	150m	150m	150m
Battery	Mod "CR2032" 3V	Mod "CR2032" 3V	Mod "CR2032" 3V	Mod "CR2032" 3V

DIMENSIONS IN MILLIMETERS



M80

FIX CODE

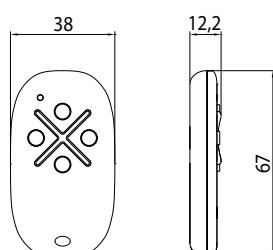
TRANSMITTERS



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
M80/TX44R	Fix code transmitter 433,92 MHz, 4 channels, with copy function.	10	45,00

FEATURES	
MODEL	M80/TX44R
Standard power	3V DC
Absorption	12mA
Operating temperature	-10+55 °C
Number of channels	4
Codification	Fix code
Modulation	AM/ASK
Carried frequency	433.92MHz
Number of combinations	65536
Radio for copy	Yes
Maximum distance in open field	150m
Battery	Mod "CR2032" 3V

DIMENSIONS IN MILLIMETERS



FIFTHY

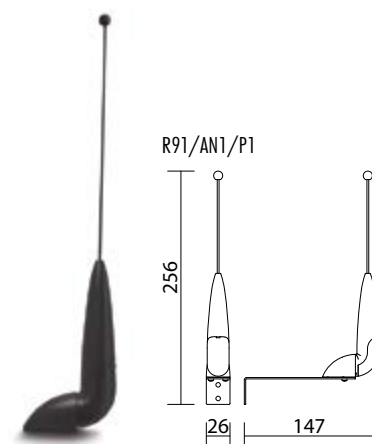
ANTENNAS
& FLASHING LIGHTS



ANTENNAS & FLASHING LIGHTS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
FIFTHY/24	LED flashing light 24V with integrated antenna.	48	74,00
FIFTHY/24/OR	LED flashing light 24V with integrated antenna, orange colour.	48	76,00
FIFTHY/230	LED flashing light 230V - 115V with integrated antenna.	48	74,00
FIFTHY/230/OR	LED flashing light 230V - 115V with integrated antenna, orange colour.	48	76,00
R91/AN1/P1	Antenna designed for wall fixing.	1	22,00

FEATURES					
MODEL	FIFTHY/24	FIFTHY/24/OR	FIFTHY/230	FIFTHY/230/OR	R91/AN1/P1
Standard power	24V AC/DC +/- 10%	24V AC/DC +/- 10%	230V AC - 115V AC +/- 10%	230V AC - 115V AC +/- 10%	
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP55	IP55	IP55	IP55	
Max flashing light charge	6,5W	6,5W	6,5W	6,5W	
Tuning frequency	433.920 MHz	433.920 MHz	433.920 MHz	433.920 MHz	433.920 MHz
Modulation	1Hz	1Hz	1Hz	1Hz	
Type of light	24 LED	24 LED	24 LED	24 LED	



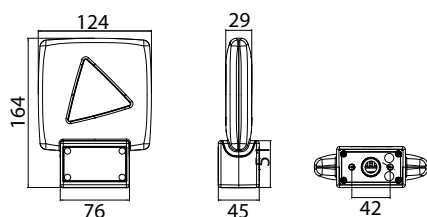
FIFTY

ANTENNAS & FLASHING LIGHTS

ANTENNAS
& FLASHING LIGHTS

OPTIONAL ACCESSORIES					
CODE	DESCRIPTION	PICTURE / PRICE EURO	FIFTY/24	FIFTY/24/OR	FIFTY/230
KT243	Support bracket for flashing light FIFTY series.	39,00	√	√	√
					

DIMENSIONS IN MILLIMETERS



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R90

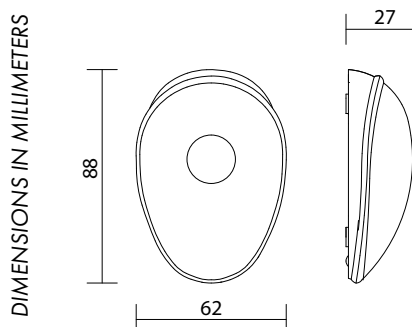
ALL VARIANTS



PHOTOCELLS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
R90/F2ES	Pair of external photocells synchronized.	20	57,00
R90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to a maximum of 4 pairs of photocells.	20	77,00

FEATURES		
MODEL	R90/F2ES	R90/F4ES
Standard power	12/24V AC 50Hz - 12/24V DC	24V AC - 50Hz - 24V DC
Absorption	TX 19mA - RX 20mA	TX 18 mA - RX 27 mA
Operating temperature	-20+55 °C	-20+55 °C
Protection level	IP55	IP55
Maximum distance in open field	10 - 15 m	10 - 15 m
Maximum number of photocells synchronized	2	4
Orientation angle	-	-
Relay contacts max current	0,5A RX	0.5A RX
Relay contacts max voltage	30V	30V
Installation Type	External	External



T90

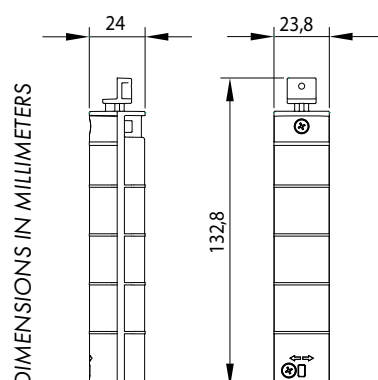
ALL VARIANTS

PHOTOCELLS



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
T90/F2S	Pair of adjustable photocells, synchronized, compatible only with photocell column TRIX50 - TRIX100.	1	66,00
T90/F4S	Pair of adjustable photocells, synchronized 24V AC/DC up to 4 pair, compatible only with photocell column TRIX50 - TRIX100.	1	86,00

FEATURES		
MODEL	T90/F2S	T90/F4S
Standard power	12/24V AC 50Hz - 12/24V DC	12/24V AC 50Hz - 12/24V DC
Absorption	TX 19mA - RX 20mA	TX 19mA - RX 20mA
Operating temperature	-20+55 °C	-20+55 °C
Protection level	IP55	IP55
Maximum distance in open field	10 - 15 m	10 - 15 m
Maximun number of photocells synchronized	2	4
Orientation angle	30° (TRIX)	30° (TRIX)
Relay contacts max current	0,5A RX	0,5A RX
Relay contacts max voltage	30V	30V
Installation Type	Compatible only with photocell column TRIX50 - TRIX100.	Compatible only with photocell column TRIX50 - TRIX100.



G90

ALL VARIANTS



G90/F2ES - G90/F4ES

G90/F2ESI- G90/F4ESI

G90/TRIX

PHOTOCELLS

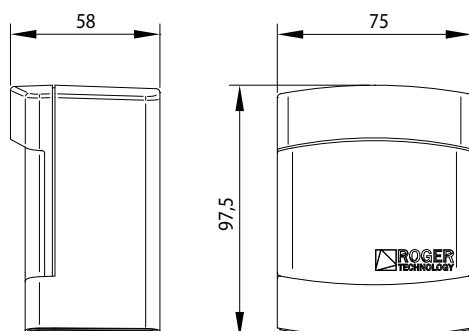
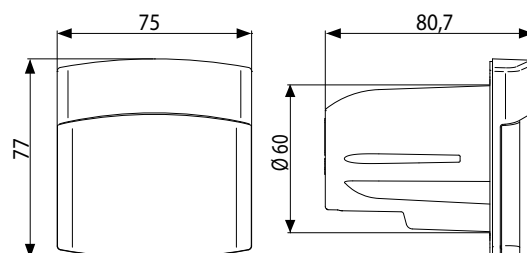
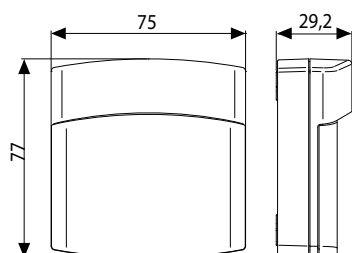
PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
G90/F2ES	Pair of external photocells synchronized.	20	70,00
G90/F4ES	Pair of external photocells synchronized 24V AC/DC, up to 4 pair.	20	86,00
G90/F2ES/TRIX/TX	External transmitter photocell synchronized, compatible only with photocell column TRIX50/ G90 - TRIX100/G90.	1	88,00
G90/F2ES/TRIX/RX	External receiver photocell synchronized, compatible only with photocell column TRIX50/G90 - TRIX100/G90.	1	88,00
G90/F4ES/TRIX/TX	External transmitter photocell synchronized 24V AC/DC, up to 4 pair, compatible only with photocell column TRIX50/G90 - TRIX100/G90.	1	102,00
G90/F4ES/TRIX/RX	External receiver photocell synchronized 24V AC/DC, up to 4 pair, compatible only with photocell column TRIX50/G90 - TRIX100/G90.	1	102,00
G90/F2ESI	Pair of built-in photocells synchronized, diameter 60 mm.	20	75,00
G90/F4ESI	Pair of built-in photocells synchronized 24V AC/DC, diameter 60 mm, up to 4 pair.	20	98,00

FEATURES

MODEL	G90/F2ES	G90/F4ES	G90/F2ES/ TRIX/TX	G90/F2ES/ TRIX/RX	G90/F4ES/ TRIX/TX	G90/F4ES/ TRIX/RX	G90/F2ESI	G90/F4ESI
Standard power	12/24V AC 50Hz - 12/24V DC	24V AC 50Hz - 24V DC	12/24V AC 50Hz - 12/24V DC	12/24V AC 50Hz - 12/24V DC	24V AC 50Hz - 24V DC	24V AC 50Hz - 24V DC	12/24V AC 50Hz - 12/24V DC	24V AC 50Hz - 12/24V DC
Absorption	TX=19mA, RX=20mA	TX 18 mA - RX 27 mA	TX=19mA, RX=20mA	TX=19mA, RX=20mA	TX 18 mA - RX 27 mA	TX 18 mA - RX 27 mA	TX=19mA, RX=20mA	TX=18mA, RX=27mA
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP55	IP55	IP55	IP55	IP55	IP55	IP55	IP55
Maximum distance in open field	10 - 15 m	10 - 15 m	10 - 15 m	10 - 15 m	10 - 15 m	10 - 15 m	10 - 15m	10 - 15 m
Maximun number of photocells synchronized	2	4	2	2	4	4	2	4
Orientation angle	-	-	-	-	-	-	-	-
Relay contacts max current	0,5A RX	0,5A RX	0,5A RX	0,5A RX	0,5A RX	0,5A RX	0,5A RX	0,5A RX
Relay contacts max voltage	30V	30V	30V	30V	30V	30V	30V	30V
Installation Type	External	External	External with photocell column TRIX50/G90 - TRIX100/G90.	External with photocell column TRIX50/G90 - TRIX100/G90.	External with photocell column TRIX50/G90 - TRIX100/G90	External with photocell column TRIX50/G90 - TRIX100/G90	Built in	Built in



CODE	DESCRIPTION	PICTURE / PRICE EURO
R85/60CI	Box diameter 60 mm for built-in selectors, keypads and photocells. Pack of 6 pcs.	 21,00
		G90/F2ES G90/F4ES G90/F2ES/TRIX/TX G90/F2ES/TRIX/RX G90/F4ES/TRIX/TX G90/F4ES/TRIX/RX G90/F2ESI G90/F4ESI



- **Prevalence** – the proportion of the population with a disease at a particular point in time
- **Incidence** – the proportion of the population that develops a disease over a period of time
- **Prevalence** = **Incidence** x **Duration**

M90

ALL VARIANTS



M90 SLIM

M90 ADJUSTABLE

PHOTOCELLS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
M90/F2ES	Pair of synchronized photocells series M90 slim fix version.	20	68,00
M90/F4ES	Pair of synchronized photocells series M90 slim fix version 24V AC/DC, up to 4 pair.	20	90,00
M90/F2ESO	Pair of synchronized photocells series M90 adjustable version.	20	76,00
M90/F4ESO	Pair of synchronized photocells series M90 adjustable version 24V AC/DC, up to 4 pair.	20	98,00

FEATURES

MODEL	M90/F2ES	M90/F4ES	M90/F2ESO	M90/F4ESO
Standard power	12/24V AC 50Hz - 12/24V DC	24V AC 50HZ - 12/24 DC	12/24V AC 50Hz - 12/24V DC	24V AC 50HZ - 12/24 DC
Absorption	TX=19mA, RX=20mA	TX=18mA, RX=27mA	TX=19mA, RX=20mA	TX=18mA, RX=27mA
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	IP55	IP55	IP55	IP55
Maximum distance in open field	10 - 15 m	10 - 15 m	10 - 15 m	10 - 15 m
Maximum number of photocells synchronized	2	4	2	4
Orientation angle	-	-	210 ° horizontal - 15 ° vertical	210 ° horizontal - 15 ° vertical
Relay contacts max current	0,5A RX	0,5A RX	0,5A RX	0,5A RX
Relay contacts max voltage	30V	30V	30V	30V
Installation Type	External	External	External	External



M90

PHOTOCELLS

ALL VARIANTS

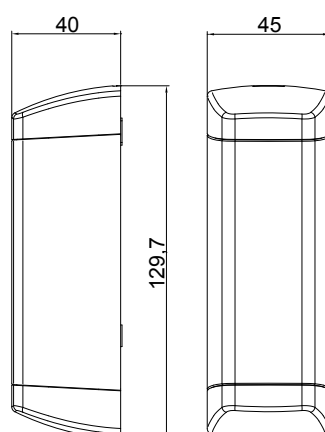
OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO	M90 / F2ES	M90 / F4ES
DEF/01	Pair of anti-vandal protection shells for adjustable photocells M90/F2ESO - M90/F4ESO.	80,00		

DIMENSIONS IN MILLIMETERS

M90 SLIM



M90 ADJUSTABLE



H85

PUSH BUTTONS



H85/TDS/E



H85/TDS/I



H85/TDS/TRIX

KEYPAD SELECTORS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H85/TDS/E	Keypad selector with 12 digit numbers, 4 channel, external.	20	112,00
H85/TDS/I	Keypad selector with 12 digit numbers, 4 channel, built-in.	20	112,00
H85/TDS/TRIX	Keypad selector with 12 digit numbers, 4 channel, external, compatible only with photocell column TRIX50 - TRIX100.	1	163,00

FEATURES

MODEL	H85/TDS/E	H85/TDS/I	H85/TDS/TRIX
Power line supply	(decoder) 24 V AC-DC; 12 V DC: H85/DEC	(decoder) 24 V AC-DC; 12 V DC: H85/DEC	(decoder) 24 V AC-DC; 12 V DC: H85/DEC
Absorption	20mA	20mA	20mA
Operating temperature	-10°C + 55°C	-10°C + 55°C	-10°C + 55°C
Protection level	IP54	IP54	IP54
Number of users codes storable	500	500	500
Maximum number of digits per user code	6	6	6
Minimum number of digits per user code	3	3	3
Maximum number of wired keyboard	4	4	4
Number of outputs available	4 of command; 1 of alarm	4 of command; 1 of alarm	4 of command; 1 of alarm
Type of enable outputs	Deadman (continue until you release the key)	Deadman (continue until you release the key)	Deadman (continue until you release the key)
Type of output	Relay, pure contact	Relay, pure contact	Relay, pure contact
Maximum power commutable (except light bulbs)	60VA/24W - 1A	60VA/24W 1A	60VA/24W - 1A
Delay on relay activation	100ms	100ms	100ms
Maximum length cable from interface to keyboard	100m (two-wire section cable 0.5mmq)	100m (two-wire section cable 0.5mmq)	100m (two-wire section cable 0.5mmq)
Backlight keyboard	6 white LEDs, two levels of intensity	6 white LEDs, two levels of intensity	6 white LEDs, two levels of intensity
Installation Type	External	Built in	External with photocell column TRIX50 - TRIX100

H85

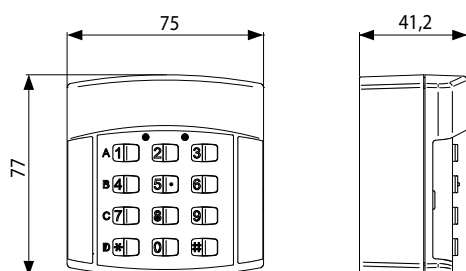
PUSH BUTTONS

KEYPAD SELECTORS

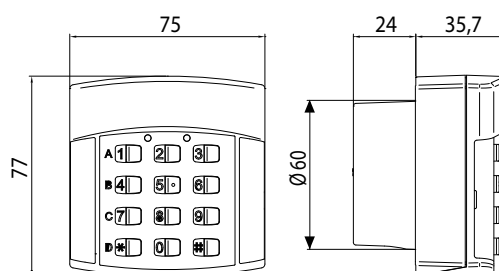
OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	H85/TDS/E	H85/TDS/I	H85/TDS/TRIX
R85/60CI	Box diameter 60 mm for built-in selectors, keypads and photocells. Pack of 6 pcs.	21,00 		√	

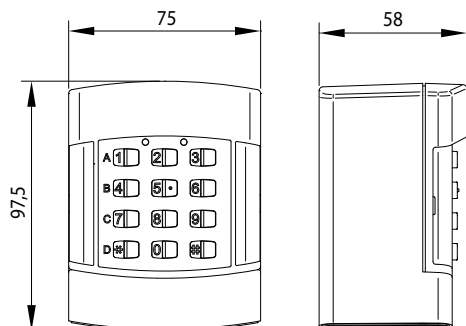
H85/TDS/E



H85/TDS/I



H85/TDS/TRIX



DIMENSIONS IN MILLIMETERS

H85

PUSH BUTTONS - RADIO



H85/TDR/E



H85/TDR/I



H85/TDR/TRIX

KEYPAD SELECTORS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H85/TDR/E	Radio keypad selector with 12 digit numbers, 4 channel, via radio for rolling code and fixed code transmission, external.	20	141,00
H85/TDR/I	Radio keypad selector with 12 digit numbers, 4 channel, via radio for rolling code and fixed code transmission, built-in.	20	141,00
H85/TDR/TRIX	Radio keypad selector with 12 digit numbers, 4 channel, via radio for rolling code and fixed code transmission, external, compatible only with photocell column TRIX50 - TRIX100.	1	191,00

FEATURES

MODEL	H85/TDR/E	H85/TDR/I	H85/TDR/TRIX
Operating temperature	-10 °C +55 °C	-10 °C +55 °C	-10 °C +55 °C
Protection level	IP54	IP54	IP54
Average consumption when keypad active	12 mA	12 mA	12 mA
Number of users codes storable	450	450	450
Maximum number of digits per user code	6	6	6
Minimum number of digits per user code	3	3	3
Codification	Fix code - Rolling Code	Fix code - Rolling Code	Fix code - Rolling Code
Modulation	AM/ASK	AM/ASK	AM/ASK
Carried frequency	433.92 Mhz	433.92 Mhz	433.92 Mhz
Number of combinations	65536 (fix code) - 4.294.967.296 (rolling code)	65536 (fix code) - 4.294.967.296 (rolling code)	65536 (fix code) - 4.294.967.296 (rolling code)
Number of bits of the identification code	16 (fix code) - 32 (rolling code)	16 (fix code) - 32 (rolling code)	16 (fix code) - 32 (rolling code)
Number of bits transmitted	28 (fix code) - 144 (rolling code)	28 (fix code) - 144 (rolling code)	28 (fix code) - 144 (rolling code)
Maximum operating distance in open field	100 m	100 m	100 m
Battery	2 x CR2032	2 x CR2032	2 x CR2032
Battery life	Minimum 2 years with 10 activations / day	Minimum 2 years with 10 activations / day	Minimum 2 years with 10 activations / day
Installation Type	External	Built in	External with photocell column TRIX50 - TRIX100.



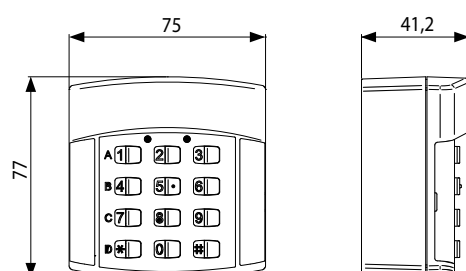
H85

PUSH BUTTONS - RADIO

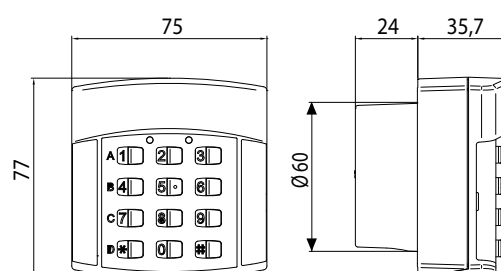
KEYPAD SELECTORS

OPTIONAL ACCESSORIES				
CODE	DESCRIPTION	PICTURE / PRICE EURO		H85/TDR/E H85/TDR/I H85/TDR/TRIX
R85/60CI	Box diameter 60 mm for built-in selectors, keypads and photocells. Pack of 6 pcs.	21,00		√

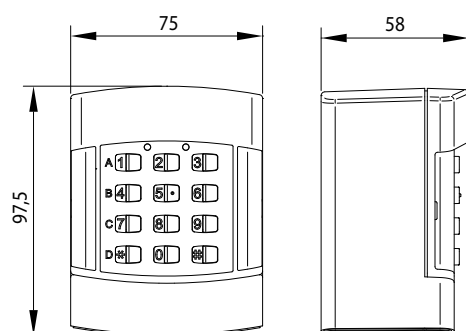
H85/TDR/E



H85/TDR/I



H85/TDR/TRIX



DIMENSIONS IN MILLIMETERS

H85

TOUCH



H85/TTD/E



H85/TTD/I



H85/TTD/TRIX

KEYPAD SELECTORS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H85/TTD/E	Keypad selector with 12 digit numbers "TOUCH", 4 channel, external.	20	174,00
H85/TTD/I	Keypad selector with 12 digit numbers "TOUCH", 4 channel, built-in.	20	174,00
H85/TTD/TRIX	Keypad selector with 12 digit numbers "TOUCH", 4 channel, external, compatible only with photocell column TRI50 - TRI100.	1	201,00

FEATURES

MODEL	H85/TTD/E	H85/TTD/I	H85/TTD/TRIX
Power line supply	(decoder) 24 V AC-DC; 12 V DC: H85/DEC	(decoder) 24 V AC-DC; 12 V DC: H85/DEC	(decoder) 24 V AC-DC; 12 V DC: H85/DEC
Absorption	25mA	25mA	25mA
Operating temperature	-10°C + 55°C	-10°C + 55°C	-10°C + 55°C
Protection level	IP54	IP54	IP54
Number of users codes storable	500	500	500
Maximum number of digits per user code	6	6	6
Minimum number of digits per user code	3	3	3
Maximum number of wired keyboard	4	4	4
Number of outputs available	4 of command; 1 of alarm	4 of command; 1 of alarm	4 of command; 1 of alarm
Type of enable outputs	Impulse (activation time 350ms)	Impulse (activation time 350ms)	Impulse (activation time 350ms)
Type of output	Relay, pure contact	Relay, pure contact	Relay, pure contact
Maximum power commutable (except light bulbs)	60VA/24W - 1A	60VA/24W - 1A	60VA/24W - 1A
Delay on relay activation	100ms	100ms	100ms
Maximum length cable from interface to keyboard	100m (two-wire section cable 0.5mmq)	100m (two-wire section cable 0.5mmq)	100m (two-wire section cable 0.5mmq)
Backlight keyboard	6 white LEDs, two levels of intensity	6 white LEDs, two levels of intensity	6 white LEDs, two levels of intensity
Keypad Power Supply (with access control)	24 V AC - DC; 12 V DC	24 V AC - DC; 12 V DC	24 V AC - DC; 12 V DC
Communication protocols (with access control)	Wiegand 26 bit / 37bit / 50bit; ISO2 ("magnetic stripe")	Wiegand 26 bit / 37bit / 50bit; ISO2 ("magnetic stripe")	Wiegand 26 bit / 37bit / 50bit; ISO2 ("magnetic stripe")
Type of output (with access control)	Digital	Digital	Digital
Output voltage levels (with access control)	5V DC at rest (passive, via resistance of 2k7 internal pull-up);0V DC (active, transistor forced)	5V DC at rest (passive, via resistance of 2k7 internal pull-up);0V DC (active, transistor forced)	5V DC at rest (passive, via resistance of 2k7 internal pull-up);0V DC (active, transistor forced)
Maximum number of wired keyboard (with access control)	5 (with the same operating mode)	5 (with the same operating mode)	5 (with the same operating mode)
Installation Type	External	Built in	External with photocell column TRI50 - TRI100



H85

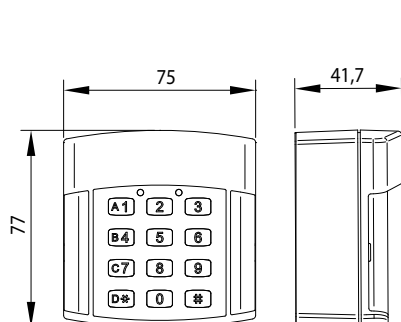
TOUCH

KEYPAD SELECTORS

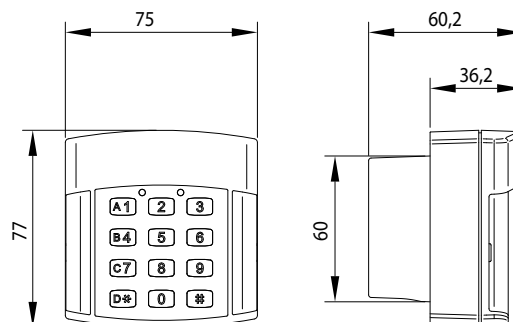
OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	H85/TTD/E	H85/TTD/I	H85/TTD/TRIX
R85/60CI	Box diameter 60 mm for built-in selectors, keypads and photocells. Pack of 6 pcs.	21,00 		√	

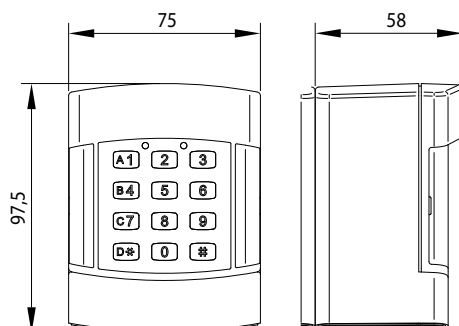
H85/TTD/E



H85/TTD/I



H85/TTD/TRIX



H85

PUSH BUTTONS - RADIO



H85/DEC/BOX

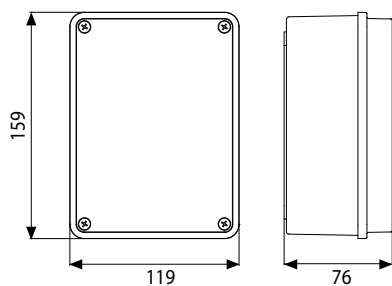


H85/DEC2/BOX

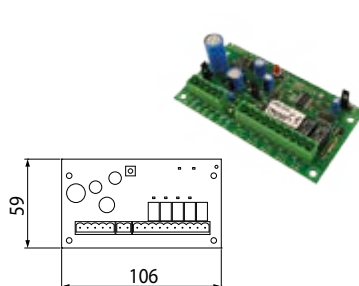
DECODER CARD

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
H85/DEC	4 channels decoder card for H85/TDS - H85/TTD.	1	101,00
H85/DEC/BOX	4 channels decoder card for H85/TDS - H85/TTD in plastic box.	1	117,00
H85/DEC2	2 channels decoder card for H85/TDS - H85/TTD.	1	76,00
H85/DEC2/BOX	2 channels decoder card for H85/TDS - H85/TTD in plastic box.	1	79,00

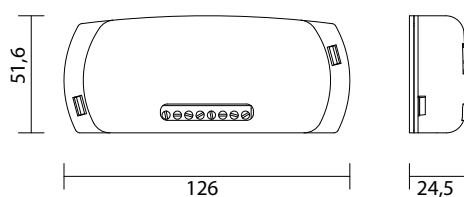
H85/DEC/BOX



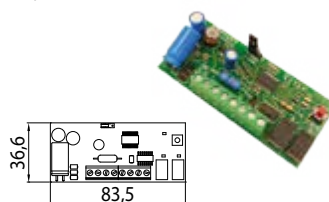
H85/DEC



H85/DEC2/BOX



H85/DEC2



H85

DECODER CARD

PUSH BUTTONS - RADIO

FEATURES				
MODEL	H85/DEC	H85/DEC/BOX	H85/DEC2	H85/DEC2/BOX
Power line supply	24V AC - DC; 12V DC	24V AC - DC; 12V DC: H85/DEC	24V AC - DC	24V AC - DC
Absorption	40mA keypad + decoder (50mA with relay active)	40mA keypad + decoder (50mA with relay active)	40mA keypad + decoder (50mA with relay active)	40mA keypad + decoder (50mA with relay active)
Operating temperature	-20+55 °C	-20+55 °C	-20+55 °C	-20+55 °C
Protection level	-	IP54	-	IP54
Number of users codes storable	500	500	500	500
Maximum number of digits per user code	6	6	6	6
Minimum number of digits per user code	3	3	3	3
Maximum number of wired keyboard	4	4	2	2
Number of outputs available	4 of command; 1 of alarm	4 of command; 1 of alarm	2 of command	2 of command
Type of enable outputs	Deadman (continue until you release the key)	Deadman (continue until you release the key)	Deadman (continue until you release the key)	Deadman (continue until you release the key)
Type of output	Relay, pure contact	Relay, pure contact	Relay, pure contact	Relay, pure contact
Maximum power commutable (except light bulbs)	60VA/24W	60VA/24W	60VA/24W	60VA/24W
Delay on relay activation	100ms	100ms	100ms	100ms
Maximum length cable from interface to keyboard	100m (two-wire section cable 0.5mmq)	100m (two-wire section cable 0.5mmq)	100m (two-wire section cable 0.5mmq)	100m (two-wire section cable 0.5mmq)

DIMENSIONS IN MILLIMETERS

R85

ALL VARIANTS



R85/60ES



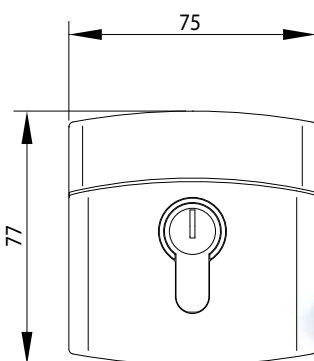
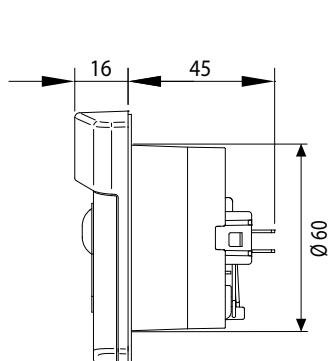
R85/60EAE

KEY SELECTORS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
R85/60ES	External selector in plastic with standard cylinder.	20	46,00
R85/60EAS	External selector in aluminium with standard cylinder.	20	59,00
R85/60EAS/TRIX	External selector in aluminium with standard cylinder, compatible only with photocell column TRIX50 - TRIX100.	1	85,00
R85/60EAE	External selector in aluminium with european cylinder (DIN).	20	71,00
R85/60EAE/TRIX	External selector in aluminium with european cylinder (DIN), compatible only with photocell column TRIX50 - TRIX100.	1	103,00
R85/60IS	Built-in selector diameter 60mm in plastic with standard cylinder.	20	42,00
R85/60IAS	Built-in selector diameter 60mm in aluminium with standard cylinder.	20	50,00
R85/60IAE	Built-in selector diameter 60mm in aluminium with european cylinder (DIN).	20	65,00

OPTIONAL ACCESSORIES

CODE	DESCRIPTION	PICTURE / PRICE EURO	R85/60ES	R85/60EAS	R85/60EAS/TRIX	R85/60EAE	R85/60EAE/TRIX	R85/60IS	R85/60IAS	R85/60IAE
R85/60EI/LED	LED light module for selector series R85.	15,00 	✓	✓	✓	✓	✓	✓	✓	✓
R85/60CI	Box diameter 60 mm for built-in selectors, keypads and photocells. Pack of 6 pcs.	21,00 						✓	✓	✓



R85/60IAE

R85/60IS

R85/60IAS



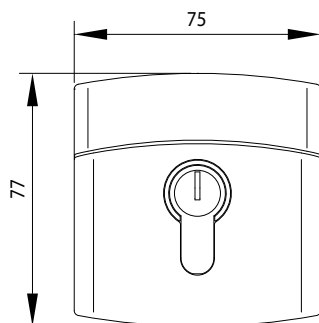
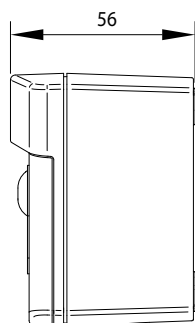
R85

ALL VARIANTS

KEY SELECTORS

FEATURES								
MODEL	R85/60ES	R85/60EAS	R85/60EAS/ TRIX	R85/60EAE	R85/60EAE/ TRIX	R85/60IS	R85/60IAS	R85/60IAE
Cylinder	Standard	Standard	Standard	European-DIN	European-DIN	Standard	Standard	European-DIN
Standard power	24V 1A	24V 1A	24V 1A	24V 1A	24V 1A	24V 1A	24V 1A	24V 1A
Operating temperature	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C	-20+55°C
Protection level	IP54	IP54	IP54	IP54	IP54	IP54	IP54	IP54
Material	Abs	Aluminum	Aluminum	Aluminum	Aluminum	Abs	Aluminum	Aluminum
Installation Type	External	External	External photocell column TRIX50 - TRIX100	External	External with photocell column TRIX50 - TRIX100	Built in	Built in	Built in

R85/60ES
R85/60EAE
R85/60EAS



R85/60EAS



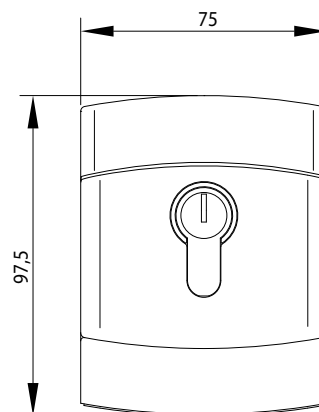
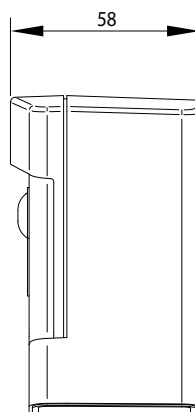
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DIMENSIONS IN MILLIMETERS



R85/60EAE/TRIX

R85/60EAS/TRIX





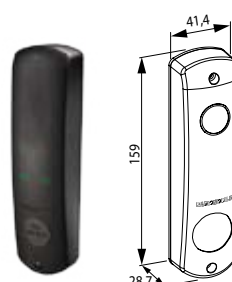
CS/PAS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
CS/PAS/1600	Passive sensitive edge without electronics L.1600.	10	71,00
CS/PAS/2000	Passive sensitive edge without electronics L.2000.	10	86,00
CS/STD/MC/1600	Sensitive edge, mechanical version with microswitch, L.1600.	10	114,00
CS/STD/MC/2000	Sensitive edge, mechanical version with microswitch, L.2000.	10	131,00
CS/STD/RS/1600	Sensitive edge, resistive 8,2k version, L.1600.	10	191,00
CS/STD/RS/2000	Sensitive edge, resistive 8,2k version, L.2000.	10	219,00
CS/STD/RSTX/1600	Sensitive edge, resistive 8,2k version, with built-in radio transmitter, L.1600.	10	348,00
CS/STD/RSTX/2000	Sensitive edge, resistive 8,2k version, with built-in radio transmitter, L.2000.	10	374,00
CS/RX	Radio receiver for sensitive edge, version CS/STD/RSTX/1600 and CS/STD/RSTX/2000.	1	145,00

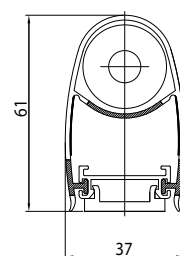
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CS/RX



CS/PAS



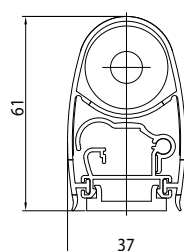
CS

SAFETY EDGES

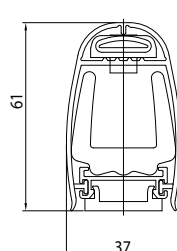
ALL VARIANTS

FEATURES									
MODEL	CS/PAS/1600	CS/PAS/2000	CS/STD/MC/1600	CS/STD/MC/2000	CS/STD/RS/1600	CS/STD/RS/2000	CS/STD/RSTX/1600	CS/STD/RSTX/2000	CS/RX
Standard power									12/24 V AC/DC
Operating temperature	-10+55 °C	-10+55 °C	-10+55 °C	-10+55 °C	-10+55 °C	-10+55 °C	-10+55 °C	-10+55 °C	-10+55 °C
Protection level			IP67 (microswitch)	IP67 (microswitch)	IP65	IP65	IP65	IP65	IP55
Tuning frequency							868Mhz	868Mhz	868Mhz
Number of channels									2
Maximum distance in open field							12m	12m	12m
Battery							2 x 1,5V (AA)	2 x 1,5V (AA)	2 x 1,5V (AA)
Storable codes									4
Contact Type	-	-	Microswitch	Microswitch	8,2KOhm	8,2KOhm	8,2KOhm	8,2KOhm	

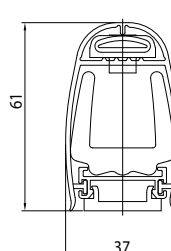
CS/STD/MC



CS/STD/RS



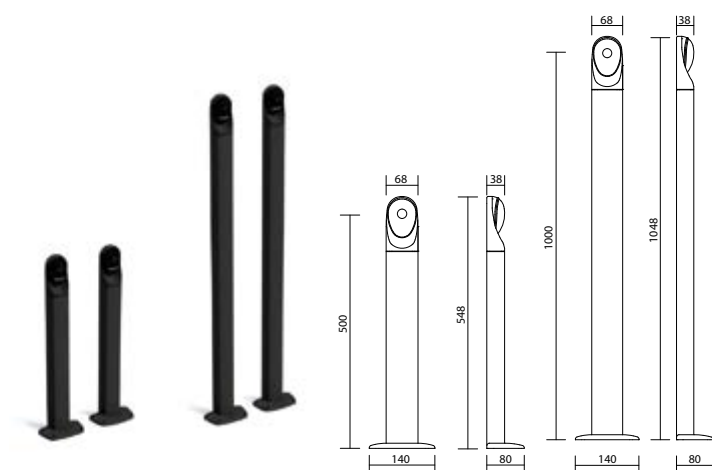
CS/STD/RSTX



DIMENSIONS IN MILLIMETERS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
CFT500	Pair of column H 500 for photocells series R90.	1	93,00
CFT501	Pair of columns H 1000 for photocells series R90.	1	133,00

FEATURES		
MODEL	CFT500	CFT501
Orientation angle	-	-
Type photocells that can be installed	R90/F2ES - R90/F4ES	R90/F2ES - R90/F4ES
Other accessories that can be installed	-	-



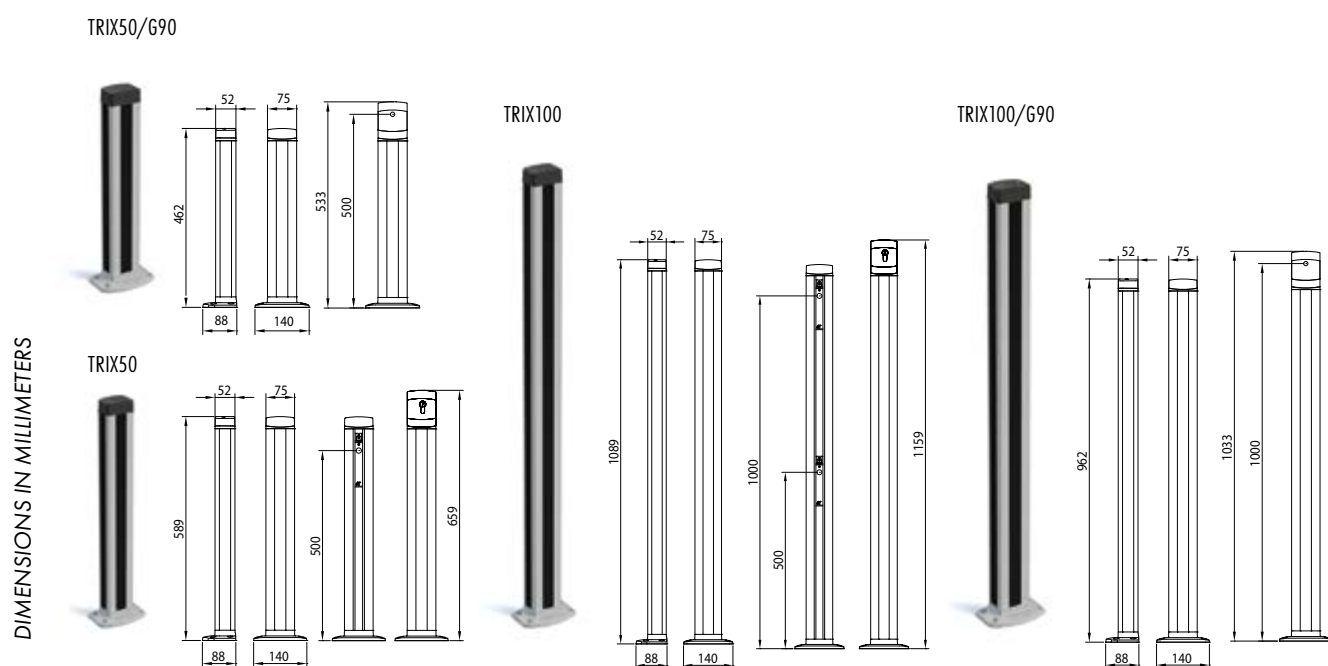
TRIX

ALL VARIANTS

PHOTOCELL COLUMN

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
TRIX50	Column H 500 mm, for the installation on three sides of the adjustable photocells series T90. With optional installation of selectors and keypads in the top. Complete with foundation plate with tie rods and screws.	1	92,00
TRIX100	Column H 1000 mm, for the installation on three sides of the adjustable photocells series T90. With optional installation of selectors and keypads in the top. Complete with foundation plate with tie rods and screws.	1	128,00
TRIX50/G90	Column H 500 mm, for the installation in the top of the photocells series G90 and optional installation in the three sides of the adjustable photocells series T90.	1	79,00
TRIX100/G90	Column H 1000 mm, for the installation in the top of the photocells series G90 and optional installation in the three sides of the adjustable photocells series T90.	1	123,00

FEATURES				
MODEL	TRIX50	TRIX100	TRIX50/G90	TRIX100/G90
Orientation angle	For series T90: 30° for each side sides (3 side)	For series T90: 30° for each side sides (3 side)	For series T90: 30° for each side sides (3 side)	For series T90: 30° for each side sides (3 side)
Type photocells that can be installed	Series T90	Series T90	Series G90 /TRIX version for installation in the top and Series T90	Series G90 /TRIX version for installation in the top and Series T90
Other accessories that can be installed	Series R85 and series H85, /TRIX version	Series R85 and series H85, /TRIX version	-	-



PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
CRA50	Column H 500 for photocell G90/F2ES - G90/F4ES.	20	40,00
CRA100	Column H 1000 for photocell G90/F2ES - G90/F4ES.	20	63,00
CRA50/M90	Column H 500 for photocells M90/F2ESO - M90/F4ESO.	20	42,00
CRA100/M90	Column H 1000 for photocells M90/F2ESO - M90/F4ESO.	20	65,00
CRA/BAR	Column for photocells G90/F2ES - G90/F4ES for spaced installation on a barrier cabinet (+23 cm).	1	27,00
CRA/BAR/M90	Column for photocells M90/F2ESO - M90/F4ESO for spaced installation on a barrier cabinet (+23 cm).	1	29,00

FEATURES						
MODEL	CRA50	CRA100	CRA50/M90	CRA100/M90	CRA/BAR	CRA/BAR/M90
Orientation angle	-	-	210 ° horizontal - 15 ° vertical	210 ° horizontal - 15 ° vertical	-	210 ° horizontal - 15 ° vertical
Type photocells that can be installed	G90/F2ES - G90/F4ES	G90/F2ES - G90/F4ES	M90/F2ESO - M90/F4ESO	M90/F2ESO - M90/F4ESO	G90/F2ES - G90/F4ES	M90/F2ESO - M90/F4ESO
Other accessories that can be installed	-	-	-	-	-	-

CRA/BAR



CRA/BAR/M90



CRA

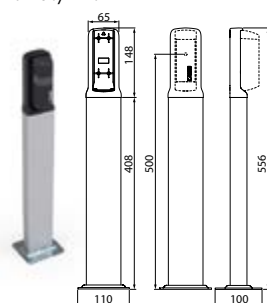
ALL VARIANTS

PHOTOCELL COLUMN

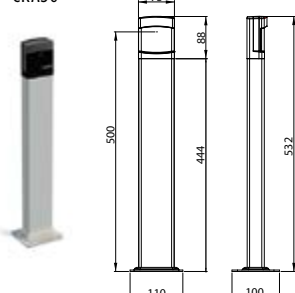
OPTIONAL ACCESSORIES					
CODE	DESCRIPTION	PICTURE / PRICE EURO		CRA50	CRA100
KT241	Fixing plate with stay bolts and screws for series CRA.	18,00		√	√
				CRA50/M90	CRA100/M90
				√	√
				CRA/BAR	CRA/BAR/M90

DIMENSIONS IN MILLIMETERS

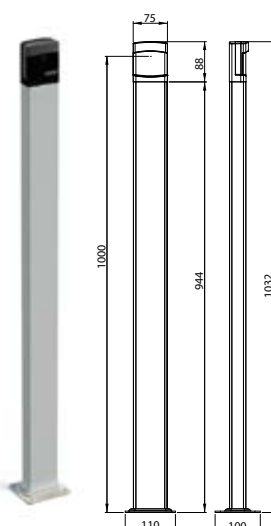
CRA50/M90



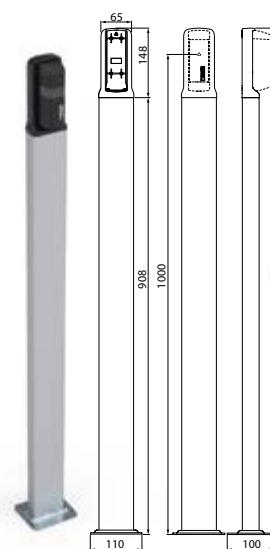
CRA50



CRA100



CRA100/M90



B-CONNECT

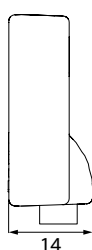
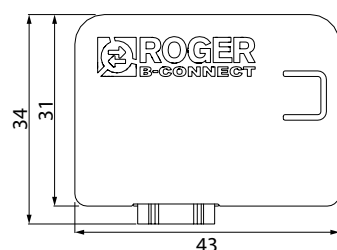
MODULE WI-FI.



CONNECTION MODULES

PRODUCT CODE	DESCRIPTION	PRICE EURO
B74/BCONNECT vers. HW2	Module WI-FI B-CONNECT - Remote management and programming system in IP web browser mode via Wi-Fi hot spot P2P connection for Brushless control units (B70/1DC - B70/1DCHP - B70/1T - B70/1THP - B70/2ML - EDGE1 - CTRL - F70/IPU36).	195,00

FEATURES	
MODEL	B74/BCONNECT vers. HW2
Standard power	5V DC
Absorption	80mA
Operating temperature	-20+55 °C
Compatible digital controllers	B70/2ML - EDGE1 - CTRL - B70/1DC - B70/1DCHP - B70/1T - B70/1THP - F70/IPU36
Codification	WPA/WPA2/WEP/TKIP/AES
Modulation	WI-FI 802.11 b/g/n
Carried frequency	2400MHz – 2483.5MHz



Compatibility B-Connect and Firmware	
	as of
B70/1DC	FW P2.30
B70/1DCHP	FW P2.30
B70/1T	FW r1.00
B70/1THP	FW r1.00
B70/2ML	FW P1.05
EDGE1	FW P4.30
F70/IPU36	FW R1.50
CTRL	FW P4.30



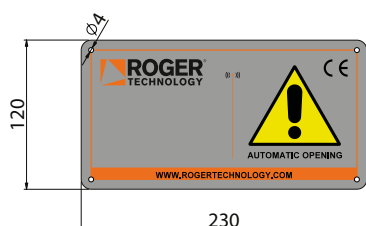
R99

ALL VARIANTS

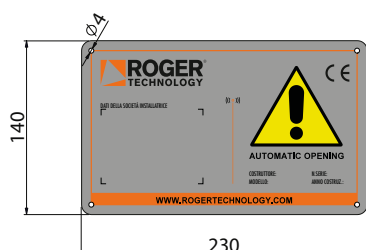
SIGNBOARDS

PRODUCT CODE	DESCRIPTION	NUMBER ITEMS PER PALLET/BOX	PRICE EURO
R99/C/001	Signboard "Automatic Opening".	10	5,00
R99/C/001AL	Signboard "Automatic Opening". Aluminium version.	10	16,00
R99/BASB20	Pack of 20 stickers for barrier.		23,00

R99/C/001



R99/C/001AL



R99/BASB20



DIMENSIONS IN MILLIMETERS

Control Unit



	B70/2ML/BOX KIT B70/2ML/20	B70/2ML	EDGE1/BOX KIT EDGE1/22	H70/200AC/BOX KIT H70/21 KIT H70/22	F70/IPU36/BOX	F70/IPU36/BOX/SL	F70/IPU36/BOX/P
MONOS4	√						
MONOS4/220				√			
BE20/200	√						
KIT BE20/210	√						
BE20/200/HS			√				
KIT BE20/212/HS			√				
BE20/400			√				
KIT BE20/410			√				
SERIE R20				√			
SERIE BR20			√				
SERIE SMARTY			√				
SERIE H20				√			
SERIE R21				√			
SERIE BR21			√				
SERIE H21				√			
SERIE AY/250/M		√					
SERIE AY/250/S	√						
KIT AYRON		√					
SERIE H23				√			
SERIE BH23			√				
SERIE R23				√			
SERIE SLED					√	√	
SERIE NAVI					√	√	√



COMPATIBILITY TABLE

Control Unit



	CTRL	CTRL/P	B70/1T
SERIE WAY			✓
SERIE BIONIK 4	✓		
SERIE BIONIK 4HP	✓		
SERIE BIONIK 6	✓		
SERIE BIONIK 1PC		✓	
SERIE BIONIK 1PE		✓	
SERIE BIONIK 8	✓		



	B70/1B	B70/2B/BOX	H70/104AC
BR41/830		✓	
BR41/831	✓		
BR41/830/Q		✓	
BR41/831/Q	✓		
R41/830			-
R41/831			✓
R41/832			-
R41/833			✓



	B70/1THP
SERIE ULK	✓

Power Box / Control Unit



	B70/1DC	B70/2ML	B70/2B	EDGE1	B70/1DCHP	CTRL	CTRL/P	B70/1T	B701THP	F70/IPU36/BOX	F70/IPU36/BOX/SL	F70/IPU36/BOX/P
B71/PBX24/BOX	✓	✓	✓					✓				
B71/PBX24/BOX/115	✓	✓	✓					✓				
B71/PBX36/BOX				✓	✓	✓	✓		✓	✓	✓	✓
B71/PBX36/BOX/116				✓	✓	✓	✓		✓	✓	✓	✓
B71/PBX/BOX	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓



Power Box / Control Unit



	B70/1DC	B70/2ML	B70/2B	EDGE1	B70/1DCHP	CTRL	CTRL/P	B70/1T	B701THP	F70/IPU36/BOX	F70/IPU36/BOX/SL	F70/IPU36/BOX/P
B71/PBX24/BOX	√	√	√					√				
B71/PBX24/BOX/115	√	√	√					√				
B71/PBX36/BOX				√	√	√	√		√	√	√	√
B71/PBX36/BOX/116				√	√	√	√		√	√	√	√
B71/PBX/BOX	√	√	√	√	√	√	√	√	√	√	√	√

Radio Receivers / Transmitters



	SYNUS/2	T80/TX2	E80/TX52R/2	E80/TX52R/4	E80/TX2R/RC	E80/TX4R/RC	M80/TX44
H93/RX20/I	√	√	√	√			√
H93/RX22A/I	√	√	√	√			√
H93/RX2RC/I	√	√	√	√	√	√	√
H93/RX2LP/I	√	√	√	√	√	√	√
R93/RX20/U	√	√	√	√			√
R93/RX433/U	√	√	√	√	√	√	√



COMPATIBILITY TABLE

Photocell / Photocell Column



	CFT500	CFT501	TRIX50	TRIX100	TRIX50/G90	TRIX100/G90	CRA50	CRA100	CRA50/M90	CRA100/M90	CRA/BAR	CRA/BAR/M90
R90/F2ES	√	√										
R90/F4ES	√	√										
G90/F2ES							√	√			√	
G90/F4ES							√	√			√	
G90/F2ES/TRIX/TX					√	√						
G90/F2ES/TRIX/RX					√	√						
G90/F4ES/TRIX/TX					√	√						
G90/F4ES/TRIX/RX					√	√						
G90/F2ESI												
G90/F4ESI												
M90/F2ES												
M90/F4ES												
M90/F2ES0									√	√		√
M90/F4ES0									√	√		√
T90/F2S			√	√	√	√						
T90/F4S			√	√	√	√						



General Sales Terms

INTRODUCTION TO THE CONDITIONS

These conditions and terms of sale apply to all the purchases of Roger Technology and Roger Brushless brand products made directly from Roger Technology S.r.l., a company with its registered office in Mogliano Veneto, Via Botticelli 8, 31021, Treviso, Italy, VAT number 01612340263.

These conditions of sale replace all previous conditions.

All sales to the customer must be regulated by these conditions of sale as they are an integral part of the contract of sale and replace and cancel any opposite or different clause of specific agreement included in any document coming from the customer.

Moreover, Roger Technology S.r.l. ("Roger Technology" or "Roger") reserves the right to make changes to its products with no prior notice, without the customer being able to lodge any claim.

ORDERS

Roger Technology reserves the right to fully or partially accept or refuse the customer's orders at the absolute discretion of Roger Technology, without the customer being able to lodge any claim.

PRICE LIST

The products are sold by Roger Technology with reference to the price list in force when the order or relative delivery date is confirmed. The customer undertakes to accept any price list variations occurring between product order and delivery without reserve. The price list in force replaces and cancels all previous price lists. All list prices are always ex works VAT excluded. The information and prices in the price list may change at any moment, at the complete discretion and decision of Roger Technology.

DELIVERY TERMS

All products are delivered ex works Roger Technology s.r.l. situated in the municipality of Mogliano Veneto - TV — Italy. All the delivery terms refer

solely to those indicated in the order confirmations which must be considered indicative and without commitment. Any delay does not give the customer the right to request full or even partial termination of the contract, to refuse delivery or request compensation for damages. The delivery obligation is fulfilled with the written communication to the customer from Roger Technology notifying "goods ready". Roger Technology s.r.l. reserves the right to extend the delivery terms or terminate the supply agreement with no compensation obligation in all force majeure circumstances such as atmospheric occurrences, earthquakes, strikes, fires, impossibility to procure raw materials, wrong notification or customer delays in transmitting the indications needed for the order and non-compliance with terms of payment by the customer, or other event that does not depend on Roger Technology.

SHIPMENT AND COLLECTION OF PRODUCTS

Delivery is considered as having taken place with the written "goods ready" notice to the customer. The transport and relative insurance costs are the liability of the customer.

If, in virtue of a specific agreement, Roger Technology undertakes to ship the goods to the central warehouse of the customer or to destinations indicated by the customer itself, the goods shipped will not be insured. Therefore, all related risks remain the customer's liability. If the customer should want to insure the goods, it will do so at its own expense, at its risk and must notify Roger Technology in writing well in advance.

The customer is obliged to collect the goods no later than 12 days from receiving the "goods ready" notice or any other type of activity or communication. If the customer should be late collecting the goods, Roger Technology shall have the right to ask not only for full payment of the price, but also a refund for storage, stay and custody costs, without prejudice to compensation for damages. From the "goods ready" notice the risk for any event is transferred to the customer.

GUARANTEE

1. All the products are carefully checked and tested by Roger Technology, in order to ensure there are no flaws or manufacturing defects or from the raw materials used.

2. Roger Technology provides its customers with a guarantee, within the terms and limits set forth in this agreement. Any extensions to the guarantee terms or additional guarantee elements offered by the customer shall be the liability of the customer itself, without any possibility for recourse against Roger Technology.

3. The guarantee is limited to repairing or fully or partially replacing the product solely if a defect in material used or a production defect should be acknowledged.

4. The repairs or replacement do not extend the guarantee period.

5. The product deemed defective will be assessed in the Roger Technology facilities and at the unquestionable discretion of Roger Technology.

6. Any authorisation to return the goods with presumed flaws or defects shall not be considered de facto acknowledgement of the presence of flaws or defects.

7. All the parts or products replaced during repairs always remain the property of Roger Technology.

8. The Roger Technology guarantee is valid under the following terms from the fabrication date affixed to the product itself:

- 60 (Sixty) months guarantee on flaws and defects solely for the stator and rotor of the Brushless digital motors.

- 36 (Thirty-six) months guarantee on flaws and defects for the mechanical parts.

- 24 (Twenty-four) months guarantee on flaws and defects for the electronic parts.

9. Any report of flaws or defects does not give the customer the right to suspend, delay or not make the payments of the price due for the products delivered.

10. This Guarantee does not apply to:

a. Consumable parts such as batteries, protective coatings, bearings, springs, cogs, worm screws or, in any case, elements that deteriorate over time,

except for material or manufacturing defects.

b. Aesthetic defects, including, merely as an example, scratches, varnishing, dents or broken plastic parts, except for material or manufacturing defects.

c. Damage caused by use with third party parts or products that do not comply with Roger Technology product specifications.

d. Damage resulting from the connection, association or interaction of its products with others not supplied by Roger Technology.

e. Damage resulting from non compliance with assembly instructions or for electric connections or electric regulations and other specific rules in force at the time of installation.

f. Accidental damage or resulting from product transport, improper or incorrect use, fire, contact with a liquid, floods, earthquake or from other external causes.

g. Damages from assistance (including upgrades or expansions) not carried out by Roger Technology.

COMPLAINTS AND PRODUCT DEFECTIVENESS

Any disputes over lack of goods or for breakage or visible defects from an external examination of boxes must be detected as soon as the goods are received and, in any case, notified to Roger Technology no later than 7 days from delivery by written note or photographic documentation which must be accompanied by the relative documentation, Delivery Note for EEC countries and accompanying invoice for non EEC countries. Everything must be sent to Roger Technology at the e-mail address commerciale@roberttechnology.it

Any product deformities or flaws detected must be notified to Roger Technology within 10 days from the goods reception date c/o the location indicated by the customer. The communication may be sent by e-mail to the address service@roberttechnology.it with relative documents attached.

The goods may not be returned without the prior written consent of Roger Technology. Moreover, any type of complaint cannot lead to the full or partial cancellation of the order and not even the delay or suspension of payment which must always be made in full.

TRANSFER OF OWNERSHIP

Roger Technology reserves the right to ownership of the goods sold until they have been paid for in full: It is therefore agreed that transfer of ownership for the Products sold and of orders shall take place at the same time as the full payment of the sales invoices issued. If payment should not be made, Roger Technology may take immediate repossession of products sold wherever they are.

CONDITIONS OF PAYMENT

All payments must be made solely to Roger Technology, to the bank details agreed with the customer. If the customer should not comply with the payment terms agreed by the Parties, Roger Technology may debit interest for late payment on commercial credits to the extent currently regulated by Legislative Decree no. 231/ 2002 or the one that could regulate the subject; with no need for communication or a formal notice. If payments should be due in several instalments, or advances should be foreseen and in general with late payment of a due date agreed by the customer, Roger Technology may suspend executing the order or subsequent and further orders. Payments, even with a different motive indicated by the customer, may in any case be attributed to the long term outstanding invoices. Roger Technology may also suspend execution of orders if there is a substantial change in the structure and/or corporate structure of the customer, and in cases with a high number of protests, pending executive or bankruptcy procedures, payment injunctions issued, deferred suspensions or delays in fulfilling obligations with creditors. In any total non-payment, the sale may be terminated by full right at any time with a simple written notice from Roger Technology to the customer availing itself of this clause and with no need for any judicial form. All the goods delivered and not paid for must be returned to Roger Technology by Roger Technology vehicles or those of third party transporters, at the customer's expense.

TRADEMARK

The customer acknowledges that Roger Technology is the sole owner of the Trademarks and of any other industrial and intellectual property right to the products and to catalogues, brochures, internet communication and any other related material and documentation. Any resulting goodwill is the sole property of Roger Technology. The customer is fully aware that the Roger Technology products are covered by patents and the purpose of industrial and design technology that is the sole property of Roger Technology. The customer is expressly forbidden to violate the rights of Roger Technology or, in any case, to remove, suppress or alter trademarks or other distinctive signs affixed to the products or to add new ones of any kind. Except with written authorisation from Roger Technology, any form of reproduction or use of the Roger Technology trademark or any other distinctive mark present on the products is forbidden.

APPROVALS

In the appropriate documents, the Roger Technology products contain the data needed to identify the approvals obtained. Knowledge and compliance with any regulations disciplining the use of the Radio Controls and the equipment is an expense that is the liability of the installer and the user performing the installation.

DEROGATIONS

On signing the contract or the order confirmation the customer accepts these conditions of sale. Any amendment to them must be signed by Roger Technology before stipulation of the order which is, in any case, valid for each single order.

JURISDICTION

Treviso Court of Law shall have sole jurisdiction over any dispute arising during the performance of the contract or single contracts of sale regulated by it.



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