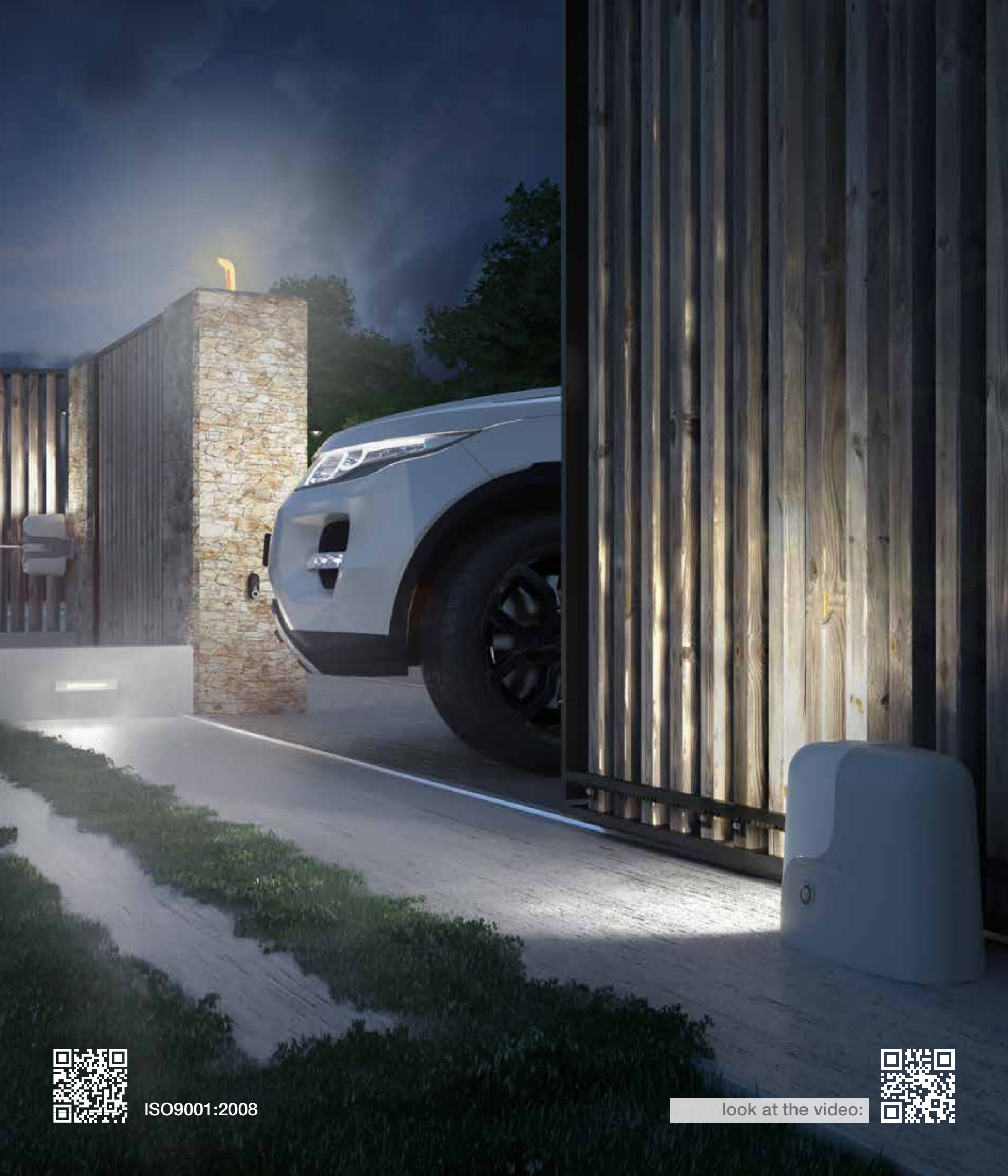




automation for gates, doors and outdoor led lighting

CATALOGUE 2018





ISO9001:2008

look at the video:



WELCOME to **KEY AUTOMATION**



Entrance



R&D



Key Automation



Offices



Warehouse



Production

NEWS 2018 KUBE PRO

SMARTPHONE PROGRAMMING MODULE FOR 14A CONTROL UNIT



Benefits for the installer:

Customer portfolio and all systems are saved on smartphone to have end user data always at hand, generate statistics, and much more.

Very user-friendly programming of automation and all functions, with no manual required

Smartphone control of system remotes

Management of routine and unplanned service operations for all customers using the Key Cloud web portal

Team formation through collection of employees' installation data

HOW DOES IT WORK?



NEWS 2018 KUBE

MODULE FOR AUTOMATION CONTROL FROM SMARTPHONE



Benefits for the end user:

Opening and closing of all automations

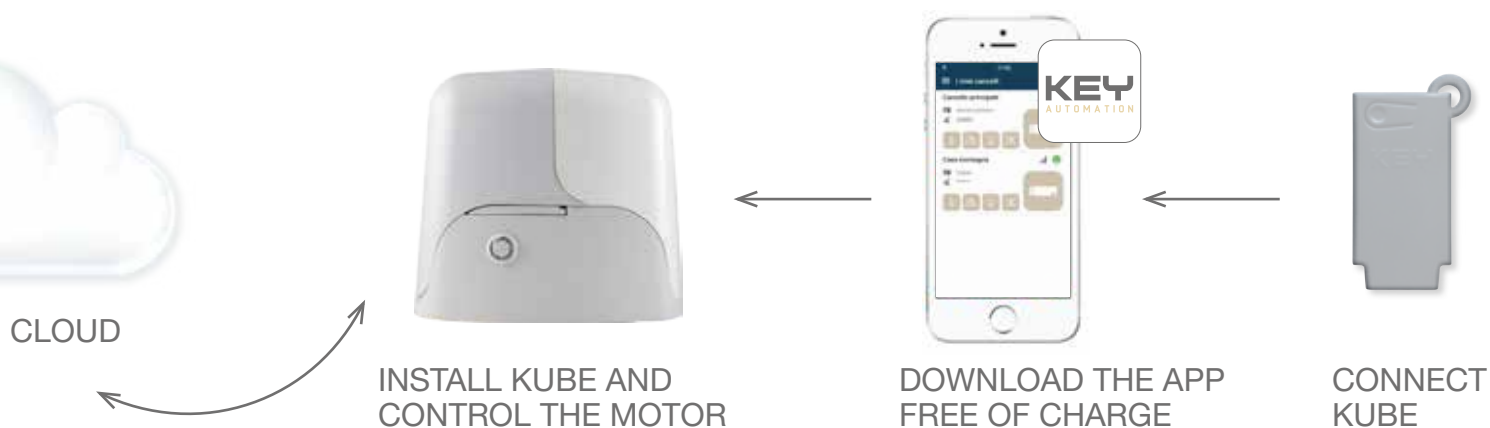
Garden light control

Other users' access controlled from main smartphone

Constant contact with the installer: the system's technical data is sent to the Key Cloud and synchronised with the Kube Pro app for remote management

**INCLUDED IN KITS WITH
NIGHT LIGHT SYSTEM**

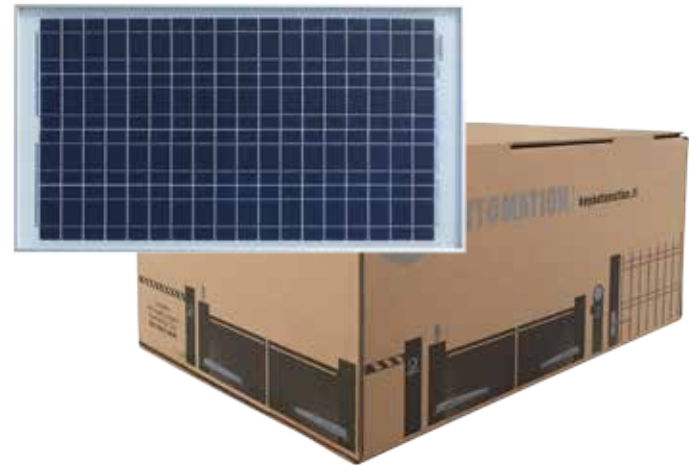
HOW DOES IT WORK?



NEWS 2018 SOLAR KIT

SOLAR POWER KIT FOR THE AUTOMATION OF ROAD BARRIERS AND GATES

The easy installable kit that uses solar power for the automation of gates and road barriers



PLUS

High quality batteries with AGM technology, capable of enduring numerous deep discharge cycles;

Stainless steel mounting kit design offers easy installation on fixed, flat or pole mount

30W solar panel and recharge controller for guaranteed reliable operation

Rugged design to withstand high wind pressure, hail and snow load

Most of the wiring is all done for you

TECHNICAL DATA

- Power supplied by solar panel: 30 Wp
- Battery capacity: 18 Ah
- Charge controller for monitoring production and consumption data (Ah supplied by panel - Ah consumed)
- External plastic box to house the controller and the batteries
- Consumption data available in the instruction manual
- Self-sufficient system

New, completely waterproof inset LED light



PLUS

- Visible surface in glass and stainless-steel
- Waterproof and immersion-resistant
- Dust-proof
- Low voltage

TECHNICAL DATA

- Diameter 10 cm
- Power supply 11-26 VDC
- 4000K and 240lm
- Protection rating: IP67
- 3W

NIGHT LIGHT SYSTEM

A new approach to automation for doors and gates. No longer just a way to manage openings, but a light source during night hours.

Night Light System is a concept that combines the comfort of an automatic gate with the use of LED lighting to illuminate your entrance over night, independently of the gate opening.

The innovative Night Light System is based on the integration of LED units within the automation, to light up the motors while functioning. This provides a comfortable courtesy light during night hours, thanks to a twilight sensor placed into the flash light itself. Our motors become a stylish light source for your gate.

Night Light System represents Italian style and design, combining elegance and technology with the use of state of the art materials. The smooth and streamlined shapes enhance the beauty of your gate, giving a personal appearance to your home and private environment.





COMFORT

Defines the width of the driveway passage during the night hours, simplifying the entrance and exit from the house

.....

DESIGN

Represents the Italian style and design, combining elegance and technology with the use of last generation materials and LEDs lighting

Enhances the beauty of the gate design, thanks to the smooth and sinuous shapes, giving a more sophisticated aspect to your environment

.....

SAFETY

Ease the night vision when security cameras are installed, in order to monitor the perimeter of the house and obtain a better control on your private property

.....

SAVING

The use of LEDs allows lower power consumption compared to the use of traditional incandescent bulbs providing a longer life cycle and a brighter vision

The cost of the Night Light System energy consumption referred to the lights at night is about 3 Euros per year*

.....

PERFORMANCE

Designed and manufactured in compliance with the requirements of the EU standards and Italian quality

Efficient and reliable, tested for wear resistance and long durability for both mechanical and electronic components

Simple to install, easy to use and, above all, safe for the whole family

*Night Light System: example of automation for swing gates: with three lights at full power, continuously lit for 12 hours a day, every day of the year, at a cost of energy equal to 0.2073 Euros/kW (average cost of 1 kW/h in Italy, year 2012)

**KEY AUTOMATION
HOME & INDUSTRY & GARDEN
CATALOGUE 2018**

KEY HOME · HOME SOLUTIONS

| | |
|--|----|
| SYSTEMS FOR SWING GATES | 14 |
| SYSTEMS FOR SLIDING GATES | 40 |
| SYSTEMS FOR SECTIONAL AND OVERHEAD DOORS | 52 |

KEY INDUSTRY · INDUSTRY AND COMMERCIAL SOLUTIONS

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| SYSTEMS FOR ROLLING SHUTTERS | 82 |
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KEY GARDEN · GARDEN AND OUTDOOR AREAS SOLUTIONS

| | |
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KEY ACCESSORIES · ACCESSORIES


| | |
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KEY HOME · HOME SOLUTIONS

| | |
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SELECTION GUIDE · SYSTEMS FOR SWING GATES

| | | |
|--|--|--|
| RAY GEAR MOTOR FOR LEAVES UP TO 4 m | 24 V, intensive use, up to 3 m | RAY2524/RAY2224/ RAY3024F  |
| | 24 V, intensive use, up to 4 m | RAY4024E |
| | 24 V, intensive use, up to 4 m, reversible | KRAY4024R |
| | 230 V, normal use, up to 4 m | RAY40 |

| | | |
|---|---------------------|----------|
| STAR 200 GEAR MOTOR FOR LEAVES UP TO 2 m | 24 V, intensive use | STAR2024 |
|---|---------------------|----------|

| | | |
|--|--|-------------------|
| RÉVO GEAR MOTOR WITH ARTICULATED ARMS FOR LEAVES UP TO 2,3 m | 24 V, intensive use, with control unit | REV2024/REV2224 |
| | 24 V, intensive use, only motor | REV2024S/REV2224S |

| | | |
|--|---------------------|-------------------|
| MEWA GEAR MOTOR WITH ARTICULATED ARMS FOR LEAVES UP TO 4 m | 230 V, normal use | SN-50/KSN50B |
| | 24 V, intensive use | SN-50-24/KSN5024B |

| | | |
|--|-------------------------------|--|
| UNDER GEAR MOTOR FOR LEAVES UP TO 3,5 m | 230 V, normal use | UND |
| | 230 V, normal use, cable 10 m | UND10 |
| | 24 V, intensive use | UND24/ UND3024F  |



STANDARD INSTALLATION FOR SWING GATES

- 1 Post for photocells
- 2 Gear motor
- 3 Photocells
- 4 Flashing light
- 5 Key switch
- 6 Radio transmitter

RAY

ELECTROMECHANICAL GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 4 m, 24 Vdc



PLUS

Built in LED light in the front of the motor body, to light up gate entrance and define width of the passage at night

High technological materials resistant to weather conditions

UV-resistant plastic covers

Extremely silent mechanics, protected by robust die-cast and powder-coated aluminum body

Aligned front and rear mounting brackets for ease of motor installation

Manual unlock possible with Sub transmitter. User friendly

RAY FAST: opening speed at 90° in 10 seconds *

FASTLINE



Built-in LED light mask



Possibility to unlock motor with transmitter





Brackets in line




Metal gearing (RAY4024)

* slow down phase excluded

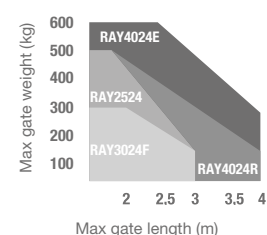
MODELS

| CODE | DESCRIPTION | PCS PALLET |
|---|---|------------|
|  RAY2524 | For swing gates with maximum length 3 m and weight 150 kg, 24 Vdc motor (1 pc) | 25 |
|  RAY4024E | For swing gates with maximum length 4 m and weight 300 kg, 24 Vdc motor with encoder (1 pc) | 25 |
|  RAY3024F | For swing gates with maximum length 3 m and weight 150 kg, 24 Vdc motor with encoder (1 pc)  | 25 |
|  KRAY4024R | For swing gates with maximum length 4 m and weight 150 kg, 24 Vdc motor, reversible, included of power module PO24R, with encoder (1 pc) | 25 |

| | | RAY2524 | RAY4024E | KRAY4024R | RAY3024F |
|------------------------|--------|-----------------|-----------------|-----------------|--|
| MECHANICAL DATA | | | | | |
| speed | cm/s | 2,6 | 1,5 | 3 | 3,8 |
| pulling force | N | 1500 | 2000 | 1000 | 1000 |
| working cycle | % | 80 | 80 | 80 | 50 |
| opening time at 90° | sec | 18-25* | 20-25* | 20-25* | 10-15* |
| ELECTRICAL DATA | | | | | |
| control board | | 14AB | 14AB2 | 14AB2 | 14AB2F  |
| power | Vdc | 24 | 24 | 24 | 24 |
| consumption | A | 3,5 | 5 | 5 | 5 |
| absorbed power | W | 85 | 120 | 120 | 120 |
| integrated lights | | yes | yes | yes | yes |
| GENERIC DATA | | | | | |
| protection degree | IP | 44 | 44 | 44 | 44 |
| dimensions (L - D - H) | mm | 844 - 100 - 104 | 844 - 100 - 104 | 844 - 100 - 104 | 844 - 100 - 104 |
| weight | kg cad | 6 | 8 | 8 | 8 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 |
| leaves maximum weight | Kg | 500 | 600 | 500 | 300 |

* with optimized fixing dimensions

LIMIT USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vacmotors are suggested for windy areas. The RAY4024 model is recommended for condominium installations.

ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| ADFB Pair of adjustable front mounting brackets (only RAY2524) | ADRB Pair of adjustable rear mounting brackets (only RAY2524) | ADWA Adapter kit for competitors motors | FCRAY Mechanical stop in closing | ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit | KITFIXBATT Fixing batteries brackets | KC Unlock key cylinder |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |
|  |  |  |  |  |  |  | |
| EXRB Extention bracket for outside opening | 520STAF032A00 Adapting rear bracket | 999KRAYD Colour change kit RAL 7016 | 14AB2 Control unit in box for two 24 Vdc motors | 14AB2F Control unit in box for two 24 Vdc motors (only RAY3024F) | CT202 24 Control unit in box for two 24 Vdc motors (only RAY2524) | TS Warning board | |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | |

RAY

ELECTROMECHANICAL GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 4 m, 24 Vdc AND 230 Vac



PLUS

High technological materials resistant to weather conditions

UV-resistant plastic covers

Extremely silent mechanics, protected by robust die-cast and powder-coated aluminum body

Aligned front and rear mounting brackets for ease of motor installation

Manual unlock possible with Sub transmitter. User friendly



Robust metal gear reduction (RAY40)



Possibility to unlock motor with transmitter




Brackets in line



Stylish design screwless at sight

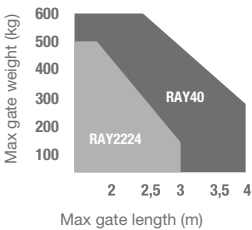
MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|---|------------|
| RAY40 | For swing gates with maximum length 4 m and weight 300 kg, 230 Vac motor (1 pc) | 25 |
|  RAY2224 | For swing gates with maximum length 3 m and weight 150 kg, 24 Vdc motor (1 pc) | 25 |

| | | RAY40 | RAY2224 |
|------------------------|--------|-----------------|-----------------|
| MECHANICAL DATA | | | |
| speed | cm/s | 1,6 | 2,6 |
| pulling force | N | 2000 | 1500 |
| working cycle | % | 40 | 80 |
| opening time at 90° | sec | 20-25* | 18-25* |
| ELECTRICAL DATA | | | |
| control board | | CT202 | CT202 24 |
| power | Vac | 230 | - |
| | Vdc | - | 24 |
| consumption | A | 1,2 | 3,5 |
| absorbed power | W | 280 | 85 |
| capacitor | µF | 8 | - |
| thermoprotection | °C | 150 | - |
| GENERIC DATA | | | |
| protection degree | IP | 44 | 44 |
| dimensions (L - D - H) | mm | 844 - 100 - 104 | 844 - 100 - 104 |
| weight | kg cad | 8 | 6 |
| working temperature | °C | -20 + 55 | -20 + 55 |
| leaves maximum weight | Kg | 600 | 500 |

* with optimized fixing dimensions

LIMIT USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vacmotors are suggested for windy areas. The RAY4024 model is recommended for condominium installations.

ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| ADFB Pair of adjustable front mounting brackets (only RAY2224) | ADRB Pair of adjustable rear mounting brackets (only RAY2224) | ADWA Adapter kit for competitor's motors | FCRAY Mechanical stop in closing | ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit (only RAY2224) | KITFIXBATT Fixing batteries brackets (only RAY2224) | KC Unlock key cylinder |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |
|  |  |  |  |  | | | |
| EXRB Extention bracket for outside opening | 520STAF032A00 Adapting rear bracket | CT202 24 Control unit in box for two 24 Vdc motors (only RAY2224) | CT202 Control unit in box for two 230 Vac motors (only RAY40) | TS Warning board | | | |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | | | |

RAY KIT

FOR SWING GATES WITH LEAVES UP TO 4 m, 24 Vdc AND 230 Vac



 **IN ORDER TO PROGRAM CONTROL UNIT 14A YOU MUST HAVE THE DISPLAY DYL OR WIRELESS MODULE KUBE PRO**

PLUS

- Easy slowdown and open limit settings

Mechanical parts well protected from external agents

Opening mechanical stop included for proper gate installation and use









Water resistant SUB remote control included
- Night Light System with LED light included (NLS version)

14A control unit (NLS version)


CT202 24 control unit (version without NLS)

CT202 control unit (version without NLS)

RAY KIT · WITH NIGHT LIGHT SYSTEM

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|--|---|--------|------------|
|  KRAY2524EK | Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic limit switch. With night light function included | 18,6kg | 15 |
|  KRAY2524KK | Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic limit switch | 18,4kg | 15 |
|  KRAY4024EK | Kit for swing gates with leaves up to 4 m, 24 Vdc motor, control unit with slowdown, opening mechanic limit switch and encoder. With night light function included | 18,6kg | 15 |
|  KRAY4024KK | Kit for swing gates with leaves up to 4 m, 24 Vdc motor, control unit with slowdown, opening mechanic limit switch and encoder | 18,4kg | 15 |
|  KRAY3024FEK | Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic limit switch and encoder. With night light function included  | 18,6kg | 15 |
|  KRAY3024FKK | Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic limit switch and encoder  | 18,4kg | 15 |










RAY KIT · WITHOUT NIGHT LIGHT SYSTEM

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|---|--|--------|------------|
| KRAY42ER | Kit for swing gates with leaves up to 4 m, 230 Vac motor, control unit with slowdown and opening mechanic limit switch | 22kg | 15 |
| KRAY42KR | Kit for swing gates with leaves up to 4 m, 230 Vac motor, control unit with slowdown and opening mechanic limit switch | 21,8kg | 15 |
|  KRAY2224KR | Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic limit switch | 18,4kg | 15 |

KIT COMPONENTS · WITH NIGHT LIGHT SYSTEM

| |  |  |  |  |  |  |  |  | NEW |
|-------------|---|---|---|---|---|---|---|---|-----|
| | RAY | 14A (1 pc) | ECLIPSE (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | SUB-44WR (1 pc) | SUB-44R (1 pc) | KUBE (1 pc) | |
| KRAY2524EK | • 2 PCS | • 14AB | • | • | • | • | | • | |
| KRAY2524KK | • 2 PCS | • 14AB | | • | • | | • | • | |
| KRAY4024EK | • 2 PCS | • 14AB2 | • | • | • | • | | • | |
| KRAY4024KK | • 2 PCS | • 14AB2 | | • | • | | • | • | |
| KRAY3024FEK | • 2 PCS | • 14AB2F | • | • | • | • | | • | |
| KRAY3024FKK | • 2 PCS | • 14AB2F | | • | • | | • | • | |

KIT COMPONENTS · WITHOUT NIGHT LIGHT SYSTEM

| |  |  |  |  |  |  |  |  |  |
|------------|---|---|---|---|--|---|---|---|---|
| | RAY | CT202 (1 pc) | CT20224 (1 pc) | LUMY (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | SUB-44WR (2 pcs) | SUB-44R (2 pcs) | PLAY4R (2 pcs) |
| KRAY42ER | • 2 PCS | • | | • | • | • | • | | |
| KRAY42KR | • 2 PCS | • | | | • | • | | • | |
| KRAY2224KR | • 2 PCS | | • | | INTEGRATED | • | | | • |

ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| ADFB Pair of adjustable front mounting brackets | ADRB Pair of adjustable rear mounting brackets | ADWA Adapter kit for competitor's motors | FCRAY Pair of mechanical stops in closing | ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit | KITFIXBATT Fixing batteries brackets | KC Unlock key cylinder |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |
|  |  |  |  |  |  | | |
| EXRB Extention bracket for outside opening | 520STAF032A00 Adapting rear bracket | SEL-M Key selector, metal front, plastic back | SEL-EU Key selector with European cylinder, metal front and back | DYL Display module Cable length 120 cm (only 14A) | KUBEPRO Wireless module for programming (only 14A) | | |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | | |

STAR 200

ELECTROMECHANICAL GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 2 m, 24 Vdc



PLUS

New version without encoder

Easy slowdown and open limit settings

Mechanical parts well protected from external debris

Available on kit version

Compatible with control unit CT202 24 (page 143 for technical details)



Sturdy telescopic stem



Robust gears and mechanical parts




New version without encoder



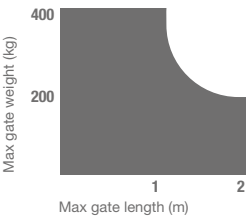
Metallic release system

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|--|------------|
|  STAR2024 | For swing gates with maximum length 2 m, pair of irreversible 24 Vdc motors, without encoder (2 pcs, left and right) | 21 |






| STAR2024 | | |
|------------------------|--------|-----------------|
| MECHANICAL DATA | | |
| speed | cm/s | 1,8 |
| pulling force | N | 1400 |
| working cycle | % | 80 |
| opening time at 90° | sec | 15-20 |
| ELECTRICAL DATA | | |
| control board | | CT202 24 |
| power | Vdc | 24 |
| consumption | A | 3,5 |
| absorbed power | W | 85 |
| GENERIC DATA | | |
| protection degree | IP | 54 |
| dimensions (L - D - H) | mm | 646 - 115 - 177 |
| weight | kg cad | 3 |
| working temperature | °C | -20 + 55 |
| leaves maximum weight | Kg | 400 |

LIMIT USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas

ACCESSORIES

| | | | | |
|---|---|---|---|--|
|  |  |  |  |  |
| ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit | KITFIXBATT Fixing batteries brackets | CT202 24 Control unit in box for two 24 Vdc motors | TS Warning board |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

STAR 200 KIT



FOR SWING GATES WITH LEAVES UP TO 2 m, 24 Vdc



PLUS

- Easy slowdown and open limit settings
- Mechanical parts well protected from external debris
- New PLAY remote control included

STAR KIT

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|--|---|--------|------------|
|  KSTAR2224ER | Kit for swing gates with leaves up to 2 m, 24 Vdc motor, control unit with slowdown | 18,6kg | 21 |
|  KSTAR2224KR | Kit for swing gates with leaves up to 2 m, 24 Vdc motor, control unit with slowdown | 18,4kg | 21 |

KIT COMPONENTS



| | STAR | CT202 24 (1 pc) | LUMY (1 pc) | FT32 (1 pc) | PLAY4R (2 pcs) |
|-------------|---------|-----------------|-------------|-------------|----------------|
| KSTAR2224ER | ● 2 PCS | ● | ● | ● | ● |
| KSTAR2224KR | ● 2 PCS | ● | | ● | ● |

ACCESSORIES



ELS-C
Horizontal 12 V
electrolock

PC 1



KBP
Battery back-up
kit

PC 1



KITFIXBATT
Fixing batteries
brackets

PC 1



SEL-M
Key selector, metal
front, plastic back

PC 1



SEL-EU
Key selector with
European cylinder,
metal front and
back

PC 1

RÉVO

ELECTROMECHANICAL GEAR MOTOR WITH ARTICULATED ARM FOR SWING GATES WITH LEAVES UP TO 2,3 m, 24 Vdc



PLUS

The product combines a lighting system with an articulated arm gear motor. Designed for swing gates made of PVC or wood leaves

Ideal for narrow columns or pillars with reduced dimensions. Compact shape and silent movement, made of strong die-cast aluminum and UV resistant covers

The articulated arm allows the installation of RÉVO in all those difficult situations where there is a significant depth between the leaf and the column, or with very narrow columns (10x10 cm). Available in two versions, with articulated arm or sliding arm for reduced openings

The unlocking system is simple and intuitive, also possible using the transmitter Sub. Optional unlock from the outside

The installation of the motor is also eased by the front and rear brackets located at the same level

Back-up battery (optional) on board

Double mechanical stop included



Stylish design screwless at sight



Possibility to unlock motor with transmitter





Compact dimensions (width 12 cm)

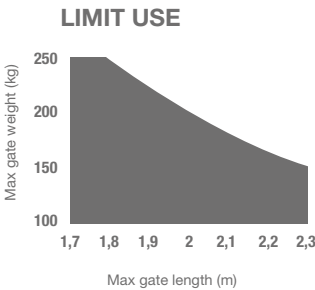


Built-in limit switches

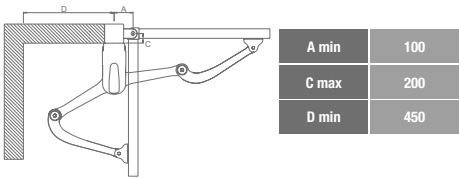
MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|---|------------|
|  REV2024 | For swing gates with maximum length 2,3 m or weight 250 kg, 24 Vdc motor (1 pc) | 16 |
|  REV2024S | For swing gates with maximum length 2,3 m or weight 250 kg, 24 Vdc motor. Without control unit (1 pc) | 16 |













| | | REV2024 | REV2024S |
|------------------------|--------|-----------------|-----------------|
| MECHANICAL DATA | | | |
| torque | Nm | 120 | 120 |
| working cycle | % | 80 | 80 |
| opening time at 90° | sec | 14-20 | 14-20 |
| ELECTRICAL DATA | | | |
| control board | | 14A | - |
| power | Vac | 230 | - |
| | Vdc | - | 24 |
| consumption | A | 0,6 | 2 |
| absorbed power | W | 115 | 50 |
| integrated lights | | yes | yes |
| GENERIC DATA | | | |
| protection degree | IP | 44 | 44 |
| dimensions (L - D - H) | mm | 120 - 250 - 350 | 120 - 250 - 350 |
| weight | kg cad | 10,5 | 8 |
| working temperature | °C | -20 + 55 | -20 + 55 |
| leaves maximum weight | Kg | 250 | 250 |



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas



ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit | KC Unlock key cylinder | REV1 Slide arm | REV2 Arm for reduced openings | REV3 External release unlock kit | BMET Metal box with release system | 999KREVOD Colour change kit RAL 7016 |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |
|  |  |  |  | | | | |
| DYL Display module Cable length 120 cm (only 14A) | KUBEPRO Wireless module for programming (only 14A) | KUBE Module for automation control from smartphone | TS Warning board | | | | |
| PC 1 | PC 1 | PC 1 | PC 1 | | | | |

RÉVO

ELECTROMECHANICAL GEAR MOTOR WITH ARTICULATED ARM FOR SWING GATES WITH LEAVES UP TO 2,3 m, 24 Vdc



PLUS

Articulated arm gear motor. Designed for swing gates made of PVC or wood leaves

Ideal for narrow columns or pillars with reduced dimensions. Compact shape and silent movement, made of strong die-cast aluminum and UV resistant covers

The articulated arm allows the installation of RÉVO in all those difficult situations where there is a significant depth between the leaf and the column, or with very narrow columns (10x10 cm). Available in two versions, with articulated arm or sliding arm for reduced openings

The unlocking system is simple and intuitive, also possible using the transmitter Sub. Optional unlock from the outside

The installation of the motor is also eased by the front and rear brackets located at the same level

Back-up battery (optional) on board

Double mechanical stop included



Stylish design screwless at sight



Possibility to unlock motor with transmitter





Compact dimensions (width 12 cm)

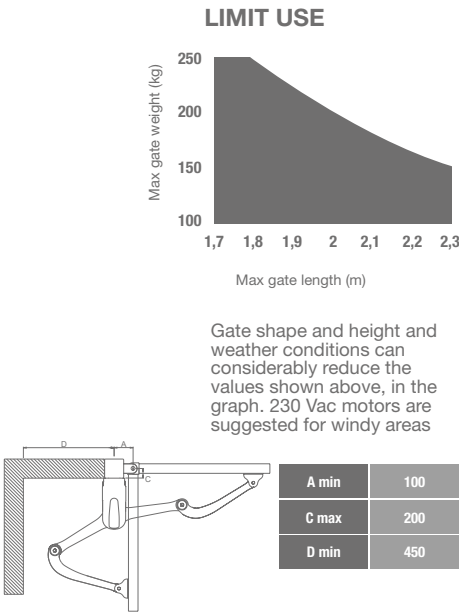


Built-in limit switches

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|---|------------|
|  REV2224 | For swing gates with maximum length 2,3 m or weight 250 kg, 24 Vdc motor (1 pc) | 16 |
|  REV2224S | For swing gates with maximum length 2,3 m or weight 250 kg, 24 Vdc motor. Without control unit (1 pc) | 16 |

| | | REV2224 | REV2224S |
|------------------------|--------|-----------------|-----------------|
| MECHANICAL DATA | | | |
| torque | Nm | 120 | 120 |
| working cycle | % | 80 | 80 |
| opening time at 90° | sec | 14-20 | 14-20 |
| ELECTRICAL DATA | | | |
| control board | | CT202 24 | - |
| power | Vac | 230 | - |
| | Vdc | - | 24 |
| consumption | A | 0,65 | 2 |
| absorbed power | W | 115 | 50 |
| GENERIC DATA | | | |
| protection degree | IP | 44 | 44 |
| dimensions (L - D - H) | mm | 120 - 250 - 350 | 120 - 250 - 350 |
| weight | kg cad | 10,5 | 8 |
| working temperature | °C | -20 + 55 | -20 + 55 |
| leaves maximum weight | Kg | 250 | 250 |



ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit | KC Unlock key cylinder | REV1 Slide arm | REV2 Arm for reduced openings | REV3 External release unlock kit | BMET Metal box with release system | TS Warning board |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

RÉVO KIT

FOR SWING GATES WITH LEAVES UP TO 2,3 m, 24 Vdc





IN ORDER TO PROGRAM CONTROL UNIT 14A YOU MUST HAVE THE DISPLAY DYL OR WIRELESS MODULE KUBE PRO


PLUS

- Easy slowdown and open limit settings
- Mechanical parts well protected from external debris
- Mechanical stops included for proper gate installation and use
- Water resistant SUB remote control included
- Night Light System with LED light included (NLS version)
- 14A control unit (NLS version)
- CT202 24 control unit (version without NLS)








RÉVO KIT · WITH NIGHT LIGHT SYSTEM

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|---|--|--------|------------|
|  KREV2024EK | Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with slowdown, mechanical stops in opening and closing. With night light function included (with control unit 14A) | 18,6kg | 16 |
|  KREV2024KK | Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with slowdown, mechanical stops in opening and closing (with control unit 14A) | 18,4kg | 16 |

RÉVO KIT · WITHOUT NIGHT LIGHT SYSTEM

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|---|---|--------|------------|
|  KREV2224KR | Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with slowdown, mechanical stops in opening and closing (with control unit CT202 24) | 18,4kg | 16 |

COMPONENTS KIT · WITH NIGHT LIGHT SYSTEM

| |  14A |  |  |  |  |  |  NEW |
|------------|---|---|---|---|---|---|---|
| | RÉVO | ECLIPSE (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | SUB-44WR (1 pc) | SUB-44R (1 pc) | KUBE (1 pc) |
| KREV2024EK | • 2 PCS | • | • | • | • | | • |
| KREV2024KK | • 2 PCS | | • | • | | • | • |

COMPONENTS KIT · WITHOUT NIGHT LIGHT SYSTEM

| |  CT20224 |  |  |  |
|------------|---|---|---|---|
| | RÉVO | RX4Y (1 pc) | FT32 (1 pc) | PLAY4R (2 pcs) |
| KREV2224KR | • 2 PCS | INTEGRATED | • | • |

ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit | KC Unlock key cylinder | REV1 Slide arm | REV2 Arm for reduced openings | REV3 External release unlock kit | BMET Metal box with release system | SEL-M Key selector, metal front, plastic back |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |
|  |  |  | | | | | |
| SEL-EU Key selector with European cylinder, metal front and back | DYL Display module Cable length 120 cm (only 14A) | KUBEPRO Wireless module for programming (only 14A) | | | | | |
| PC 1 | PC 1 | PC 1 | | | | | |

MEWA

ELECTROMECHANICAL GEAR MOTOR WITH ARTICULATED ARM FOR SWING GATES WITH LEAVES UP TO 4 m, 24 Vdc AND 230 Vac



PLUS

Motor with encoder (24 Vdc version) and possibility of speed and slowdown regulation

Maximum safety in the obstacle detection

Optional external release for an easy manual unlock from outside

With soft start and soft stop, granting mechanical parts integrity

Compatible with 24Vdc control unit 14AB2, (page 140 for technical details)

Compatible with 230Vac control unit CT202, (page 145 for technical details)



External release for an easy manual unlock from outside



Reinforced and sturdy arm suitable for wide-angles opening





Powerful motor with solid metal gearbox



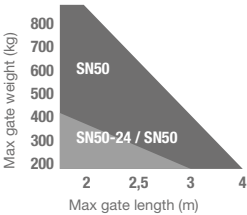
Limit switch with high precision regulation

MODELS

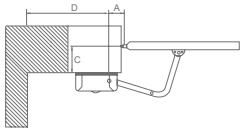
| CODE | DESCRIPTION | PCS PALLET |
|--|---|------------|
| SN-50 | For swing gates with maximum length 4 m, 230 Vac motor with opening and closing electric limit switches (1 pc) specify right or left motor (installation inside view) | 36 |
| KSN50B | Pair of motor for swing gates with maximum length 4 m, 230 Vac motor with opening and closing electric limit switches (2 pcs) | 18 |
|  SN-50-24 | For swing gates with maximum length 3 m, 24 Vdc motor with encoder (1 pc) specify right or left motor (installation inside view) | 36 |
|  KSN5024B | Pair of motor for swing gates with maximum length 3 m, 24 Vdc motor with encoder (2 pcs) | 18 |

| | | SN-50 | KSN50B | SN-50-24 | KSN5024B |
|------------------------|--------|-----------------|-----------------|-----------------|-----------------|
| MECHANICAL DATA | | | | | |
| torque | Nm | 400 | 400 | 350 | 350 |
| working cycle | % | 30 | 30 | 80 | 80 |
| opening time at 90° | sec | 18 | 18 | 15-25 | 15-25 |
| ELECTRICAL DATA | | | | | |
| control board | | CT202 | CT202 | 14AB2 | 14AB2 |
| power | Vac | 230 | 230 | - | - |
| | Vdc | - | - | 24 | 24 |
| consumption | A | 1,5 | 1,5 | 5 | 5 |
| absorbed power | W | 340 | 340 | 120 | 120 |
| capacitor | µF | 12 | 12 | - | - |
| thermoprotection | °C | 150 | 150 | - | - |
| GENERIC DATA | | | | | |
| protection degree | IP | 43 | 43 | 43 | 43 |
| dimensions (L - D - H) | mm | 330 - 187 - 157 | 330 - 187 - 157 | 330 - 187 - 157 | 330 - 187 - 157 |
| weight | kg cad | 14 | 28 | 13,8 | 27,6 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 |
| leaves maximum weight | Kg | 800 | 800 | 400 | 400 |

LIMIT USE




Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas



| | |
|-------|-----|
| A min | 150 |
| C max | 300 |
| D min | 500 |

ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| ELS-C Horizontal 12 V electrolock | KBP Battery back-up kit | KITFIXBATT Fixing batteries brackets | BMET Metal box with release system | SBLEXT Cable external release kit | KFE Kit electric limit switches for 24Vdc version | 14AB2 Control unit in box for two 24 Vdc motors | CT202 Control unit in box for two 230 Vac motors |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |



TS
Warning board

PC 1

MEWA KIT

FOR SWING GATES WITH LEAVES UP TO 4 m, 230 Vac



PLUS

- Easy slowdown and open limit settings
- Mechanical parts well protected from external debris
- Water resistant SUB remote control included

MEWA KIT

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|---------|--|---------|------------|
| KSN52ER | Kit for swing gates with leaves up to 4 m, 230 Vac motor with articulated arms, control unit with slowdown | 32,2 kg | 12 |
| KSN52KR | Kit for swing gates with leaves up to 4 m, 230 Vac motor with articulated arms, control unit with slowdown | 32,5 kg | 12 |

KIT COMPONENTS

| |  |  |  |  |  |  |  |
|---------|---|---|---|---|---|---|---|
| | MEWA | CT202 (1 pc) | LUMY (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | SUB-44WR (2 pcs) | SUB-44R (2 pcs) |
| KSN52ER | • 2 PCS | • | • | • | • | • | |
| KSN52KR | • 2 PCS | • | | • | • | | • |

ACCESSORIES

|  |  |  |  |  |
|---|---|---|---|--|
| ELS-C Horizontal 12 V electrolock | BMET Metal box with release system | SBLEXT Cable external release kit | SEL-M Key selector, metal front, plastic back | SEL-EU Key selector with European cylinder, metal front and back |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

UNDER

UNDERGROUND ELECTROMECHANICAL GEAR MOTOR FOR SWING GATES WITH LEAVES
UP TO 3,5 m, 24 Vdc AND 230 Vac



PLUS

New shell compatible with other producers' foundation boxes

New unlock lever with key and integrated pull lever

Opening and closing mechanical stops included

Adjustable speed and slowdown functions

24 Vdc motor without encoder

Possibility to choose between 1.5 m and 10 m cable motor (for 230 Vac)

New foundation box CF3

UNDER FAST: opening speed at 90° in 10 seconds * **FASTLINE**

Compatible with 24Vdc control unit 14AB2, (page 140 for technical details)

Compatible with 230Vac control unit CT202, (page 145 for technical details)

* slow down phase excluded



High precision mechanical stops



Bronze and tempered steel internal gears for maximum reliability







Internal and external unlock with special metal key



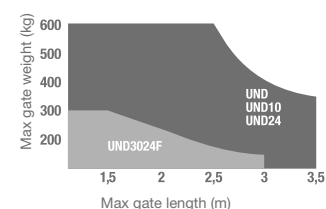
Easy maintenance thanks to the double greasers both on housing and gear motor

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|--|--|
| UND | For swing gates with maximum length 3,5 m, 230 Vac motor, with opening and closing mechanical stops. Cable length 1.5 m (1 pc) | 36 |
| UND10 | For swing gates with maximum length 3,5 m, 230 Vac motor, with opening and closing mechanical stops. Cable length 10 m (1 pc) | 36 |
|  UND24 | For swing gates with maximum length 3,5 m, 24 Vdc motor, without encoder, with opening and closing mechanical stops (1 pc) | 36 |
|  UND3024F | For swing gates with maximum length 3 m, 24 Vdc motor, with encoder, with opening and closing mechanical stops (1 pc) |  36 |

| | | UND | UND10 | UND24 | UND3024F |
|------------------------|--------|-----------------|-----------------|-----------------|--|
| MECHANICAL DATA | | | | | |
| torque | Nm | 300 | 300 | 250 | 150 |
| working cycle | % | 30 | 30 | 80 | 50 |
| opening time at 90° | sec | 20 | 20 | 18-25 | 10-15 |
| ELECTRICAL DATA | | | | | |
| control board | | CT202 | CT202 | 14AB2 | 14AB2F  |
| power | Vac | 230 | 230 | - | - |
| | Vdc | - | - | 24 | 24 |
| consumption | A | 1 | 1 | 5 | 5 |
| absorbed power | W | 230 | 230 | 120 | 120 |
| capacitor | µF | 10 | 10 | - | - |
| thermoprotection | °C | 150 | 150 | - | - |
| GENERIC DATA | | | | | |
| protection degree | IP | 67 | 67 | 67 | 67 |
| dimensions (L - D - H) | mm | 412 - 160 - 346 | 412 - 160 - 346 | 412 - 160 - 346 | 412 - 160 - 346 |
| weight | kg cad | 11 | 11 | 10,8 | 10,8 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 |
| leaves maximum weight | Kg | 600 | 600 | 600 | 500 |

LIMIT USE



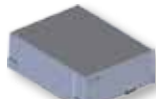
Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas

ACCESSORIES



ELS-C
Horizontal 12 V
electrolock

PC 1



KBP
Battery back-up
kit

PC 1



KITFIXBATT
Fixing batteries
brackets

PC 1



SB3
Unlock lever with
key

PC 1



OP100
Kit for over 100°
opening.
Leaf length max
3000 mm

PC 1



ADUN
Fixing kit for other
producers' boxes

PC 1



CF3 *
Cataphoresis
housing box with
connecting levers

PC 1



CI3 *
Stainless steel
housing box, with
connecting levers

PC 1



CF3SB *
Cataphoresis
housing box,
without
connecting levers

PC 1



14AB2
Control unit in box
for two 24 Vdc
motors

PC 1



14AB2F
Control unit in box
for two 24 Vdc
motors
(only UND3024F)

PC 1



CT202 24
Control unit in
box for two 24
Vdc motors
(only UND24)

PC 1



CT202
Control unit in box
for two 230 Vac
motors

PC 1



TS
Warning board

PC 1

* 36 PCS PALLET

UNDER KIT

FOR SWING GATES WITH LEAVES UP TO 3,5 m, 24 Vdc AND 230 Vac









 **IN ORDER TO PROGRAM CONTROL UNIT 14A YOU MUST HAVE THE DISPLAY DYL OR WIRELESS MODULE KUBE PRO**

PLUS

- Without encoder (24 Vdc version)
- Adjustable speed and slowdown functions
- Mechanical parts well protected from external debris
- Water resistant SUB remote control included

UND KIT

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|--|--|--------|------------|
|  KUND3024EK | Underground kit for swing gates with leaves up to 3,5 m, 24 Vdc motor, control unit with slowdown. With night light function included | 18,6kg | 9 |
|  KUND3024KK | Underground kit for swing gates with leaves up to 3,5 m, 24 Vdc motor, control unit with slowdown | 18,4kg | 9 |
|  KUND3024FEK | Underground kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown with encoder. With night light function included  | 18,6kg | 9 |
|  KUND3024FKK | Underground kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown with encoder  | 18,4kg | 9 |
| KUND2ER | Underground kit for swing gates with leaves up to 3,5 m, 230 Vac motor, control unit with slowdown | 22kg | 9 |
| KUND2KR | Underground kit for swing gates with leaves up to 3,5 m, 230 Vac motor, control unit with slowdown | 21,8kg | 9 |

KIT COMPONENTS



NEW

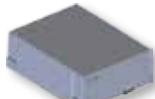
| | UNDER | CT202 (1 pc) | 14A (1 pc) | ECLIPSE (1 pc) | LUMY (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | SUB-44WR (1 pc) | SUB-44R (1 pc) | KUBE (1 pc) |
|-------------|---------|--------------|------------|----------------|-------------|-------------|-------------|-----------------|----------------|-------------|
| KUND3024EK | • 2 PCS | | • 14AB2 | • | | • | • | • | | • |
| KUND3024KK | • 2 PCS | | • 14AB2 | | | • | • | | • | • |
| KUND3024FEK | • 2 PCS | | • 14AB2F | • | | • | • | • | | • |
| KUND3024FKK | • 2 PCS | | • 14AB2F | | | • | • | | • | • |
| KUND2ER | • 2 PCS | • | | | • | • | • | • | | |
| KUND2KR | • 2 PCS | • | | | | • | • | | • | |

ACCESSORIES



ELS-C
Horizontal 12 V
electrolock

PC 1



KBP
Battery back-up
kit

PC 1



KITFIXBATT
Fixing batteries
brackets

PC 1



SB3
Unlock lever with
key

PC 1



OP100
Kit for over 100°
opening.
Leaf length max
3000 mm

PC 1



CF3 *
Cataphoresis
housing box with
connecting levers

PC 1



CI3 *
Stainless steel
housing box, with
connecting levers

PC 1



CF3SB *
Cataphoresis
housing box,
without
connecting levers

PC 1



SEL-M
Key selector, metal
front, plastic back

PC 1



SEL-EU
Key selector with
European cylinder,
metal front and
back

PC 1



DYL
Display module
Cable length
120 cm (only 14A)

PC 1



KUBEPRO
Wireless
module for
programming
(only 14A)

PC 1

* 36 PCS PALLET

SELECTION GUIDE · SYSTEMS FOR SLIDING GATES

SUN

| | | |
|------------------------------------|------------------------------------|---------------------------|
| GEAR MOTOR FOR GATES UP TO 1200 Kg | 24 V, intensive use, up to 400 Kg | SUN4024/SUN4224 |
| | 24 V, intensive use, up to 500 Kg | SUN5024F <i>FAST-LITE</i> |
| | 24 V, intensive use, up to 700 Kg | SUN7024/SUN7224 |
| | 24 V, intensive use, up to 1100 Kg | SUN11024 |
| | 230 V, normal use, up to 500 Kg | SUN52 |
| | 230 V, normal use, up to 800 Kg | SUN82 |
| | 230 V, normal use, up to 1200 Kg | SUN122 |
| | | |

TURBO

| | | |
|--|---------------------------------|--------|
| GEAR MOTOR FOR GATES FROM 400 Kg TO 800 Kg | 24 V, normal use, up to 400 Kg | SC4224 |
| | 230 V, normal use, up to 500 Kg | SC52 |
| | 230 V, normal use, up to 800 Kg | SC82 |



STANDARD INSTALLATION FOR SLIDING GATES

- 1 Post for photocells
- 2 Gear motor
- 3 Photocells
- 4 Flashing light
- 5 Key switch
- 6 Radio transmitter

SUN

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 1100 Kg, 24 Vdc



PLUS

Like all the other Night Light System models, SUN has an extremely silent mechanics, thanks to a neat design and the use of top performance materials

High technological materials resistant to weather conditions

UV-resistant plastic covers

Extremely silent mechanics, protected by robust die-cast and powder-coated aluminum body

The release system is ergonomic, efficient and easily accessible

Back-up battery (optional) on board

Gear reduction with extra-large bearing with high performance

Magnetic limit switch version upon request

FAST: Opening speed up to 40 cm/sec **FASTLINE**

With 24 Vdc control unit 14A (page 140 for technical details)



Control board 14A



Built-in LED light









Robust gear reduction with self-standing bearing



Stylish design screwless at sight












MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|--|--|
|  SUN4024 | For sliding gates up to 400 Kg, 24 Vdc motor, control unit with slowdown and electric limit switch, with 14A control board (1 pc) | 36 |
|  SUN7024 | For sliding gates up to 700 Kg, 24 Vdc motor, control unit with slowdown and electric limit switch, with 14A control board (1 pc) | 36 |
|  SUN11024 | For sliding gates up to 1100 Kg, 24 Vdc motor, control unit with slowdown and electric limit switch, with 14A control board (1 pc) | 36 |
|  SUN5024F | For sliding gates up to 500 Kg, 24 Vdc motor, control unit with slowdown and magnetic limit switch, with 14A control board (1 pc) |  36 |

| | | SUN4024 | SUN7024 | SUN11024 | SUN5024F |
|------------------------|------|-----------------|-----------------|-----------------|--|
| MECHANICAL DATA | | | | | |
| speed | cm/s | 26* | 25* | 20* | 40* |
| torque | Nm | 18 | 26 | 38 | 23 |
| working cycle | % | 80 | 80 | 80 | 80 |
| ELECTRICAL DATA | | | | | |
| control board | | 14A | 14A | 14A | 14AF  |
| power | Vac | 230 | 230 | 230 | 230 |
| consumption | A | 1,2 | 1,5 | 1,8 | 1,3 |
| absorbed power | W | 250 | 345 | 360 | 300 |
| capacitor | µF | - | - | - | - |
| thermoprotection | °C | - | - | - | - |
| integrated lights | | yes | yes | yes | yes |
| GENERIC DATA | | | | | |
| protection degree | IP | 44 | 44 | 44 | 44 |
| dimensions (L - D - H) | mm | 330 - 210 - 300 | 330 - 210 - 300 | 330 - 210 - 300 | 330 - 210 - 300 |
| weight | kg | 12 | 12,5 | 13 | 13 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 |
| gate maximum weight | Kg | 400 | 700 | 1100 | 500 |

* variable according to the gate weight
Models of 700 kg and upward are recommended for condominium installations

ACCESSORIES

| | | | | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| CREM-P M4 nylon rack L=1000 mm for gates up to max 800 kg | CREM-8 M4 zinc coated rack 30x8 mm L=1000 mm | CREM-12 M4 zinc coated rack 30x12 mm L=1000 mm | KBP Battery back-up kit | 999KSUND Colour change kit RAL 7016 | KCS Unlock kit with key | DYL Display module Cable length 120 cm (only 14A) |
| PACK OF 10 PCS | PACK OF 4 PCS | PACK OF 4 PCS | PC 1 | PC 1 | PC 1 | PC 1 |
|  |  |  |  | | | |
| KUBEPRO Wireless module for programming (only 14A) | KUBE Module for automation control from smartphone | TWIN Interface for master/slave function (SUN7024 and SUN11024) | TS Warning board | | | |
| PC 1 | PC 1 | PC 1 | PC 1 | | | |

SUN

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 700 Kg, 24 Vdc
AND UP TO 1200 Kg, 230 Vac



PLUS

High technological materials resistant to weather conditions

UV-resistant plastic covers

Extremely silent mechanics, protected by robust die-cast and powder-coated aluminum body

The release system is ergonomic, efficient and easily accessible

Back-up battery (optional) on board

Gear reduction with extra-large bearing with high performance

Integrated receiver (SUN4224/SUN7224)

Magnetic limit switch version upon request

With 24 Vdc control unit CT102 24 (page 142 for technical details)

With 230 Vac control unit CT102 (page 144 for technical details)



Manual unlock with lever



CT102 control board





Robust gear reduction with self-standing bearing



CT102 24 control board with integrated receiver


MODELS

| CODE | DESCRIPTION | PCS PALLET |
|---|---|------------|
|  SUN4224 | For sliding gates up to 400 Kg, 24 Vdc motor, control unit with slowdown and electric limit switch, with CT102 24 control board. Integrated receiver (1 pc) | 36 |
|  SUN7224 | For sliding gates up to 700 Kg, 24 Vdc motor, control unit with slowdown and electric limit switch, with CT102 24 control board. Integrated receiver (1 pc) | 36 |
| SUN52 | For sliding gates up to 500 Kg, 230 Vac motor, control unit with slowdown and electric limit switch, with CT102 control board (1 pc) | 36 |
| SUN82 | For sliding gates up to 800 Kg, 230 Vac motor, control unit with slowdown and electric limit switch, with CT102 control board (1 pc) | 36 |
| SUN122 | For sliding gates up to 1200 Kg, 230 Vac motor, control unit with slowdown and electric limit switch, with CT102 control board (1 pc) | 36 |

| | | SUN4224 | SUN7224 | SUN52 | SUN82 | SUN122 |
|------------------------|------|-----------------|-----------------|-----------------|-----------------|-----------------|
| MECHANICAL DATA | | | | | | |
| speed | cm/s | 26* | 25* | 16 | 16 | 16 |
| torque | Nm | 18 | 26 | 16 | 23 | 35 |
| working cycle | % | 80 | 80 | 30 | 30 | 30 |
| ELECTRICAL DATA | | | | | | |
| control board | | CT102 24 | CT102 24 | CT102 | CT102 | CT102 |
| power | Vac | 230 | 230 | 230 | 230 | 230 |
| consumption | A | 1,2 | 1,5 | 1,3 | 1,9 | 2,6 |
| absorbed power | W | 250 | 345 | 300 | 450 | 600 |
| capacitor | µF | - | - | 12,5 | 16 | 20 |
| thermoprotection | °C | - | - | 150 | 150 | 150 |
| GENERIC DATA | | | | | | |
| protection degree | IP | 44 | 44 | 44 | 44 | 44 |
| dimensions (L - D - H) | mm | 330 - 210 - 300 | 330 - 210 - 300 | 330 - 210 - 300 | 330 - 210 - 300 | 330 - 210 - 300 |
| weight | kg | 12 | 12 | 15,5 | 16 | 16,5 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 |
| gate maximum weight | Kg | 400 | 700 | 500 | 800 | 1200 |


* variable according to the gate weight
Models of 700 kg and upward are recommended for condominium installations

ACCESSORIES




CREM-P
M4 nylon rack
L=1000 mm for
gates up to max
800 kg

PACK OF 10 PCS




CREM-8
M4 zinc coated
rack 30x8 mm
L=1000 mm

PACK OF 4 PCS




CREM-12
M4 zinc coated
rack 30x12 mm
L=1000 mm

PACK OF 4 PCS




KBP
Battery back-up
kit

PC 1




KCS
Unlock kit with
key

PC 1



TWIN
Interface for
master/slave
function
(SUN7224 and
SUN122)

PC 1



TS
Warning board

PC 1

SUN KIT

FOR SLIDING GATES UP TO 1100 Kg, 24 Vdc AND UP TO 1200 Kg, 230 Vac



 **IN ORDER TO PROGRAM CONTROL UNIT 14A YOU MUST HAVE THE DISPLAY DYL OR WIRELESS MODULE KUBE PRO**

PLUS

- With slowdown function both in opening and closing to preserve gate integrity

Conceived to carry intensive use (24 Vdc version)














Water resistant SUB remote control included

New PLAY remote control included
- Night Light System with LED light included (NLS version)








14A control unit (NLS version)

CT102 24 control unit (version without NLS)



CT102 control unit (version without NLS)

| SUN KIT · WITH NIGHT LIGHT SYSTEM | | | |
|--|--|--|------------|
| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|  KSUN4024EK | Kit for sliding gates up to 400 kg, 24 Vdc motor, control unit with slowdown, electric limit switch. With night light function included (with control unit 14A) | 13,1kg | 36 |
|  KSUN4024KK | Kit for sliding gates up to 400 kg, 24 Vdc motor, control unit with slowdown, electric limit switch (with control unit 14A) | 12,9kg | 36 |
|  KSUN5024FEK | Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit with slowdown, magnetic limit switch. With night light function included (with control unit 14AF) |  14kg | 36 |
|  KSUN5024FKK | Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit with slowdown, magnetic limit switch (with control unit 14AF) |  13,8kg | 36 |
|  KSUN7024EK | Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit with slowdown, electric limit switch. With night light function included (with control unit 14A) | 14kg | 36 |
|  KSUN7024KK | Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit with slowdown, electric limit switch (with control unit 14A) | 13,8kg | 36 |
|  KSUN11024EK | Kit for sliding gates up to 1100 kg, 24 Vdc motor, control unit with slowdown, electric limit switch. With night light function included (with control unit 14A) | 14,5kg | 36 |
|  KSUN11024KK | Kit for sliding gates up to 1100 kg, 24 Vdc motor, control unit with slowdown, electric limit switch (with control unit 14A) | 14,3kg | 36 |
|  KSUN4024TW | Pair of motors for opposed sliding gates up to 400 Kg, 24 Vdc, control unit with slow down function and electric limit switches (with control unit 14A) | 23kg | 32 |
| SUN KIT · WITHOUT NIGHT LIGHT SYSTEM | | | |
| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|  KSUN4224KR | Kit for sliding gates up to 400 kg, 24 Vdc motor, control unit with slowdown, electric limit switch (with control unit CT102 24) | 12,9kg | 36 |
|  KSUN7224KR | Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit with slowdown, electric limit switch (with control unit CT102 24) | 13,8kg | 36 |
| KSUN52ER | Kit for sliding gates up to 500 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 17kg | 36 |
| KSUN52KR | Kit for sliding gates up to 500 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 16,8kg | 36 |
| KSUN82ER | Kit for sliding gates up to 800 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 17,5kg | 36 |
| KSUN82KR | Kit for sliding gates up to 800 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 17,3kg | 36 |
| KSUN122ER | Kit for sliding gates up to 1200 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 18kg | 36 |
| KSUN122KR | Kit for sliding gates up to 1200 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 17,8kg | 36 |




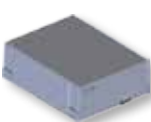






KIT COMPONENTS · WITH NIGHT LIGHT SYSTEM

| |  |  |  |  |  |  |  NEW |
|-------------|---|---|---|---|---|---|--|
| | SUN | ECLIPSE (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | SUB-44WR (1 pc) | SUB-44R (1 pc) | KUBE (1 pc) |
| KSUN4024EK | ● 1 PC | ● | ● | ● | ● | | ● |
| KSUN4024KK | ● 1 PC | | ● | ● | | ● | ● |
| KSUN5024FEK | ● 1 PC | ● | ● | ● | ● | | ● |
| KSUN5024FKK | ● 1 PC | | ● | ● | | ● | ● |
| KSUN7024EK | ● 1 PC | ● | ● | ● | ● | | ● |
| KSUN7024KK | ● 1 PC | | ● | ● | | ● | ● |
| KSUN11024EK | ● 1 PC | ● | ● | ● | ● | | ● |
| KSUN11024KK | ● 1 PC | | ● | ● | | ● | ● |
| KSUN4024TW | ● 2 PCS | | | | | | |

KIT COMPONENTS · WITHOUT NIGHT LIGHT SYSTEM

| |  |  |  |  |  |  |  |
|------------|---|---|---|---|---|---|---|
| | SUN | LUMY (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | SUB-44WR (2 pcs) | SUB-44R (2 pcs) | PLAY4R (1 pc) |
| KSUN4224KR | ● 1 PC | | INTEGRATED | ● | | | ● |
| KSUN7224KR | ● 1 PC | | INTEGRATED | ● | | | ● |
| KSUN52ER | ● 1 PC | ● | ● | ● | ● | | |
| KSUN52KR | ● 1 PC | | ● | ● | | ● | |
| KSUN82ER | ● 1 PC | ● | ● | ● | ● | | |
| KSUN82KR | ● 1 PC | | ● | ● | | ● | |
| KSUN122ER | ● 1 PC | ● | ● | ● | ● | | |
| KSUN122KR | ● 1 PC | | ● | ● | | ● | |

ACCESSORIES

| | | | | | | | |
|--|--|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| CREM-P M4 nylon rack L=1000 mm for gates up to max 800 kg PACK OF 10 PCS | CREM-8 M4 zinc coated rack 30x8 mm L=1000 mm PACK OF 4 PCS | CREM-12 M4 zinc coated rack 30x12 mm L=1000 mm PACK OF 4 PCS | KBP Battery back-up kit PC 1 | KCS Unlock kit with key PC 1 | SEL-M Key selector, metal front, plastic back PC 1 | SEL-EU Key selector with European cylinder, metal front and back PC 1 | DYL Display module Cable length 120 cm (only 14A) PC 1 |
|  |  | | | | | | |
| KUBEPRO Wireless module for programming (only 14A) PC 1 | TWIN Interface for master/slave function (SUN70 and SUN100) PC 1 | | | | | | |

TURBO

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 400 Kg, 24 Vdc
AND FROM 500 Kg TO 800 Kg, 230 Vac



PLUS

With slowdown function both in opening and closing to preserve gate integrity

Electronic and mechanical parts well protected from external debris

Easy maintenance thanks to the horizontal control unit position

With fixing plate included

With 24 Vdc control unit CT102 24 (page 142 for technical details)

With 230 Vac control unit CT102 (page 144 for technical details)




LCD display



Sturdy and performing motors


MODELS

| CODE | DESCRIPTION | PCS PALLET |
|---|---|------------|
|  SC4224 | For sliding gates up to 400 Kg, 24 Vdc motor, control unit with slowdown and electric limit switch, with built-in radio receiver (1 pc) | 36 |
| SC52 | For sliding gates up to 500 Kg, 230 Vac motor, control unit with slowdown and electric limit switch (1 pc) | 36 |
| SC82 | For sliding gates up to 800 Kg, 230 Vac motor, control unit with slowdown and electric limit switch (1 pc) | 36 |

| | | SC4224 | SC52 | SC82 |
|------------------------|------|-----------------|-----------------|-----------------|
| MECHANICAL DATA | | | | |
| speed | cm/s | 24 | 16 | 16 |
| torque | Nm | 18 | 16 | 23 |
| working cycle | % | 50 | 30 | 30 |
| ELECTRICAL DATA | | | | |
| control board | | CT102 24 | CT102 | CT102 |
| power | Vac | 230 | 230 | 230 |
| consumption | A | 1,2 | 1,3 | 1,9 |
| absorbed power | W | 250 | 300 | 450 |
| capacitor | µF | - | 12,5 | 16 |
| thermoprotection | °C | - | 150 | 150 |
| GENERIC DATA | | | | |
| protection degree | IP | 44 | 44 | 44 |
| dimensions (L - D - H) | mm | 320 - 184 - 260 | 320 - 184 - 260 | 320 - 184 - 260 |
| weight | kg | 11 | 12 | 12,5 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 |
| gate maximum weight | Kg | 400 | 500 | 800 |


Models of 1100 kg and upward are recommended for condominium installations

ACCESSORIES




CREM-P
M4 nylon rack
L=1000 mm for
gates up to max
800 kg

PACK OF 10 PCS




CREM-8
M4 zinc coated
rack 30x8 mm
L=1000 mm

PACK OF 4 PCS



CREM-12
M4 zinc coated
rack 30x12 mm
L=1000 mm
(for SC82)

PACK OF 4 PCS



TS
Warning board

PC 1

TURBO KIT

FOR SLIDING GATES UP TO 400 Kg, 24 Vdc AND UP TO 800 Kg, 230 Vac



PLUS

With slowdown function both in opening and closing to preserve gate integrity

Electronic and mechanical parts well protected from external debris

Easy maintenance thanks to the horizontal control unit position

With fixing plate included


New PLAY remote control included

| TURBO KIT | | | | |
|-----------|--|--------|------------|--|
| CODE | DESCRIPTION | WEIGHT | PCS PALLET | |
| KSC4224ER | Kit for sliding gates up to 400 kg, 24 Vdc motor, control unit with slowdown, electric limit switch (with control unit CT102 24) | 12,7kg | 36 | |
| KSC4224KR | Kit for sliding gates up to 400 kg, 24 Vdc motor, control unit with slowdown, electric limit switch (with control unit CT102 24) | 12,5Kg | 36 | |
| KSC52ER | Kit for sliding gates up to 500 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 13,5kg | 36 | |
| KSC52KR | Kit for sliding gates up to 500 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 13,3kg | 36 | |
| KSC82ER | Kit for sliding gates up to 800 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 13,7kg | 36 | |
| KSC82KR | Kit for sliding gates up to 800 kg, 230 Vac motor, control unit with slowdown, electric limit switch (with control unit CT102) | 13,5kg | 36 | |

KIT COMPONENTS

| |  |  |  |  |  |
|-----------|---|---|---|---|---|
| | TURBO | LUMY (1 pc) | RX4Y (1 pc) | FT32 (1 pc) | PLAY4R (2 pcs) |
| KSC4224ER | ● 1 PC | ● | INTEGRATED | ● | ● |
| KSC4224KR | ● 1 PC | | INTEGRATED | ● | ● |
| KSC52ER | ● 1 PC | ● | ● | ● | ● |
| KSC52KR | ● 1 PC | | ● | ● | ● |
| KSC82ER | ● 1 PC | ● | ● | ● | ● |
| KSC82KR | ● 1 PC | | ● | ● | ● |

ACCESSORIES

|  |  |  |  |  |
|---|---|---|---|--|
| CREM-P M4 nylon rack L=1000 mm for gates up to max 800 kg | CREM-8 M4 zinc coated rack 30x8 mm L=1000 mm | CREM-12 M4 zinc coated rack 30x12 mm L=1000 mm (for SC82) | SEL-M Key selector, metal front, plastic back | SEL-EU Key selector with European cylinder, metal front and back |
| PACK OF 10 PCS | PACK OF 4 PCS | PACK OF 4 PCS | PC 1 | PC 1 |

SELECTION GUIDE · SYSTEM FOR SECTIONAL AND OVERHEAD DOORS

VIPER LED

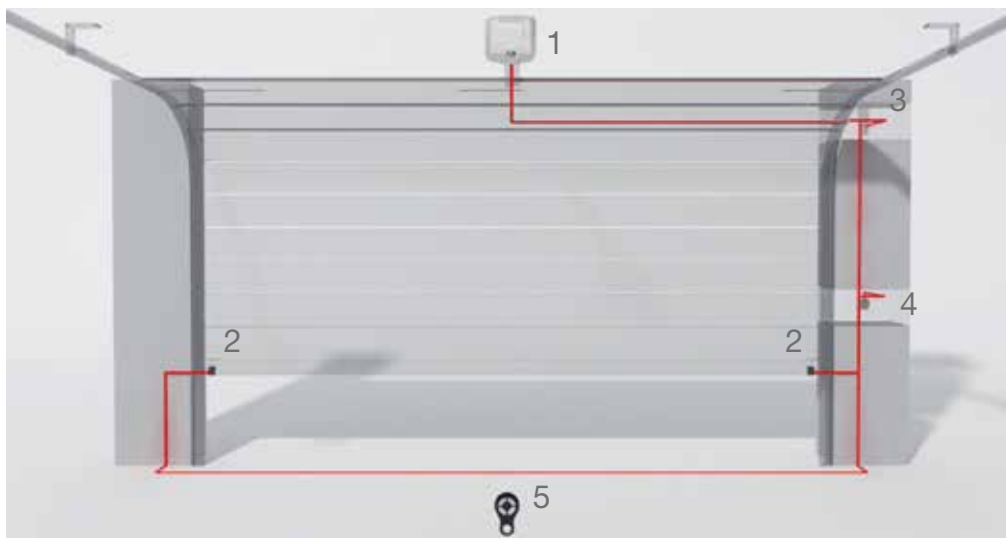
GEAR MOTOR FOR SECTIONAL DOORS UP TO 16 m² AND OVERHEAD DOORS UP TO 14 m²

| | | |
|--|--|----------------------|
| | 24 V, intensive use, single piece rail | VIP7U (up to 10 mq) |
| | 24 V, intensive use, 3 pieces rail | VIP7 (up to 10 mq) |
| | 24 V, intensive use, single piece rail | VIP10U (up to 13 mq) |
| | 24 V, intensive use, 3 pieces rail | VIP10 (up to 13 mq) |
| | 24 V, intensive use, single piece rail | VIP104 (up to 16 mq) |

BLINDO

GEAR MOTOR FOR SPRING OR COUNTERWEIGHT OVERHEAD DOORS UP TO 9 m²

| | | |
|--|---------------------|--------|
| | 230 V, normal use | BS-50 |
| | 230 V, normal use | BS52 |
| | 24 V, intensive use | BS5224 |



STANDARD INSTALLATION FOR SECTIONAL DOORS

- 1 Gear motor
- 2 Photocells
- 3 Flashing light
- 4 Key switch
- 5 Radio transmitter

VIPER LED

ELECTROMECHANICAL GEAR MOTOR FOR SECTIONAL DOORS UP TO 16 m² AND OVERHEAD DOORS UP TO 14 m², 24 Vdc



PLUS

New built-in led courtesy light

24 Vdc motor to offer full safety for residential use

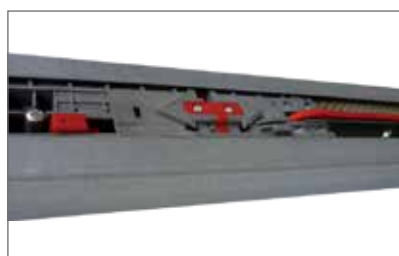
New control board suitable for LED KIT integrability

One or three pcs pre-assembled guide with chain

Adjustable motor head

Courtesy light setting

Battery back-up (optional in case of power failure)



Compact release carriage



Anti-intrusion function








Adjustable motor head



Safe and silent functioning thanks to chain transmission

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|--|----------------|
|  VIP7U | For sectional doors up to 10 m², 24 Vdc motor, control unit and built-in receiver, 700 N force and pre-assembled single piece chain rail 3320 mm (1 pc) | 70 (only head) |
|  VIP7 | For sectional doors up to 10 m², 24 Vdc motor, control unit and built-in receiver, 700 N force and three pieces chain rail with fast joints (1 pc) | 36 |
|  VIP10U | For sectional doors up to 13 m², 24 Vdc motor, control unit and built-in receiver, 1000 N force and pre-assembled single piece chain rail 3320 mm (1 pc) | 70 (only head) |
|  VIP10 | For sectional doors up to 13 m², 24 Vdc motor, control unit and built-in receiver, 1000 N force and three pieces chain rail with fast joints (1 pc) | 36 |
|  VIP104 | For sectional doors up to 16 m², 24 Vdc motor, control unit and built-in receiver, 1000 N force and pre-assembled single piece chain rail 4000 mm (1 pc) | 70 (only head) |

| | | VIP7U/VIP7 | VIP10U/VIP10 | VIP104 |
|-------------------------|------|-----------------|-----------------|-----------------|
| MECHANICAL DATA | | | | |
| speed | cm/s | 12 | 12 | 12 |
| pulling force | N | 700 | 1000 | 1000 |
| working cycle | % | 60 | 60 | 60 |
| ELECTRICAL DATA | | | | |
| power | Vac | 230 | 230 | 230 |
| consumption | A | 0,45 | 0,7 | 0,7 |
| absorbed power | W | 100 | 160 | 160 |
| integrated lights | | yes | yes | yes |
| GENERIC DATA | | | | |
| protection degree | IP | 43 | 43 | 43 |
| dimensions (L - P - H) | mm | 200 - 370 - 155 | 200 - 370 - 155 | 200 - 370 - 155 |
| weight | kg | 12/13 | 12/13 | 14 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 |
| door maximum dimensions | m² | 10 | 13 | 16 |

Data are subject to smoothness and balance of the door and the type of rail used

LIMIT USE

| | | |
|-----------|-------------|---------------------------|
| Sectional | Up and over | No projecting up and over |
|-----------|-------------|---------------------------|

VIP7U/VIP7

| | | |
|----------------|---------------|---------------|
| H max = 2,7 m | H max = 3 m | H max = 2,5 m |
| m² max = 10 m² | m² max = 9 m² | m² max = 9 m² |

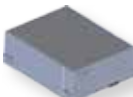

VIP10U/VIP10

| | | |
|----------------|----------------|----------------|
| H max = 2,7 m | H max = 3 m | H max = 2,5 m |
| m² max = 13 m² | m² max = 14 m² | m² max = 14 m² |

VIP104

| | | |
|----------------|----------------|----------------|
| H max = 3,4 m | H max = 3,4 m | H max = 3,2 m |
| m² max = 16 m² | m² max = 14 m² | m² max = 14 m² |

ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| BO-SEZ Swinging arm for counterweight overhead doors | KBP Battery back-up kit | SBCO External unlocking system L=3000 mm | SBLST Kit for external unlock with key and metal cord | STF-SEZ Kit supplementary fixing ceiling guide | STS-SEZ Kit 2 supplementary fixing clamps | 520STAF029A00 Fixing clamp | TS Warning board |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

LED KIT - KIT TO LIGHT UP THE GARAGE DOOR



QUADRO
Night sensor

+



VIP1
Main board for led lights control

+



STIKFW
Led garden lights (white color). PC 2

=

KVIPLEDFW
PC 1

LED KIT - KIT TO LIGHT UP THE GARAGE DOOR



QUADRO
Night sensor

+



VIP1
Main board for led lights control

+



STIKFB
Led garden lights (brown color). PC 2

=

KVIPLEDFB
PC 1

VIPER LED KIT

FOR SECTIONAL DOORS UP TO 16 m² AND OVERHEAD DOORS UP TO 14 m², 24 Vdc



PLUS

- 24 Vdc motor to offer full safety for residential use

New control board suitable for LED KIT integrability

One or three pcs pre-assembled guide with chain





Adjustable motor head
- Courtesy light setting

Battery back-up (optional in case of power failure)

New built-in led courtesy light

New PLAY remote control included









VIPER LED KIT


| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|---|---|--------|----------------|
|  KVIP7UER | For sectional doors up to 10 m², 24 Vdc motor, control unit and built-in receiver, 700 N force and pre-assembled single piece chain rail 3320 mm | 12kg | 70 (only head) |
|  KVIP7ER | For sectional doors up to 10 m², 24 Vdc motor, control unit and built-in receiver, 700 N force and three pieces chain rail with fast joints | 13kg | 36 |
|  KVIP10UER | For sectional doors up to 13 m², 24 Vdc motor, control unit and built-in receiver, 1000 N force and pre-assembled single piece chain rail 3320 mm | 12kg | 70 (only head) |
|  KVIP10ER | For sectional doors up to 13 m², 24 Vdc motor, control unit and built-in receiver, 1000 N force and three pieces chain rail with fast joints | 13kg | 36 |

KIT COMPONENTS

| |  |  |  |  |  |
|-----------|---|---|---|--|---|
| | VIPER | PLAY4R (2 pcs) | SINGLE PIECE RAIL 3,3 m (1 pc) | RAIL IN 3 PCS (1 pc) | HEAD (1 pc) |
| KVIP7UER | • 1 PC | • | • | | • |
| KVIP7ER | • 1 PC | • | | • | • |
| KVIP10UER | • 1 PC | • | • | | • |
| KVIP10ER | • 1 PC | • | | • | • |


ACCESSORIES

| | | | | | | | |
|---|---|---|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| BO-SEZ Swinging arm for counterweight overhead doors | KBP Battery back-up kit | SBCO External unlocking system L=3000 mm | SBLST Kit for external unlock with key and metal cord | STF-SEZ Kit supplementary fixing ceiling guide | STS-SEZ Kit 2 supplementary fixing clamps | 520STAF029A00 Fixing clamp | ECLIPSE Led flash light with courtesy light |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |




LUMY-24
Flash light

PC 1




TS
Warning board

PC 1




QUADRO
Night sensor

+



VIP1
Main board for led lights control


+



STIKFW
Led garden lights (white color). PC 2


=

KVIPLEDFW
PC 1




QUADRO
Night sensor

+



VIP1
Main board for led lights control

+



STIKFB
Led garden lights (brown color). PC 2

=

KVIPLEDFB
PC 1

57

BLINDO

ELECTROMECHANICAL GEAR MOTOR FOR SPRING OR COUNTERWEIGHT OVERHEAD DOORS
UP TO 9 m², 24 Vdc AND 230 Vac



PLUS

230 Vac motor, with pre-installed opening and closing limit switches

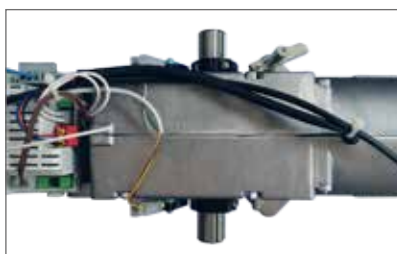
24 Vdc motor with encoder

External release for easy manual unlock from outside

With slowdown function, granting doors integrity

With 24 Vdc control unit CT102 24, (page 142 for technical details)

With 230 Vac control unit CT102, (page 144 for technical details)




Gearbox with metal gears



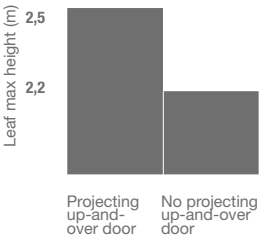
High precision limit switches

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|---|------------|
| BS-50 | For spring or counterweight overhead doors up to 9 m², 230 Vac motor, without control unit and slowdown. With internal release system and preset for unlocking from outside (1 pc) | 40 |
| BS52 | For spring or counterweight overhead doors up to 9 m², 230 Vac motor, control unit and slowdown, with opening and closing limit switches. With internal release system and preset for unlocking from outside (1 pc) | 40 |
|  BS5224 | For spring or counterweight overhead doors up to 9 m², 24 Vdc motor, control unit, with encoder and slowdown. With release system and preset for unlocking from outside (1 pc) | 40 |

| | | BS-50 | BS52 | BS5224 |
|-------------------------|-----|-----------------|-----------------|-----------------|
| MECHANICAL DATA | | | | |
| torque | Nm | 440 | 440 | 350 |
| working cycle | % | 30 | 30 | 80 |
| ELECTRICAL DATA | | | | |
| control board | | - | CT102 | CT102 24 |
| power | Vac | 230 | 230 | 230 |
| consumption | A | 1,8 | 1,8 | 1,3 |
| absorbed power | W | 400 | 400 | 300 |
| capacitor | µF | 12,5 | 12,5 | - |
| thermoprotection | °C | 150 | 150 | - |
| integrated lights | | yes | yes | yes |
| GENERIC DATA | | | | |
| protection degree | IP | 43 | 43 | 43 |
| dimensions (L - D - H) | mm | 580 - 190 - 140 | 580 - 190 - 140 | 580 - 190 - 140 |
| weight | kg | 10 | 10,3 | 10 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 |
| door maximum dimensions | m² | 9 | 9 | 9 |

LIMIT USE



Values here above are valid if motor is used with standard accessories

ACCESSORIES

| | | | | | | | |
|---|---|--|---|--|---|---|---|
|  |  |  |  |  |  |  |  |
| BC Standard curved telescopic arm | BD Straight telescopic arm | BDNS Straight telescopic arm with driller round bar to avoid welding pipes | BOC Bushing | SBCO External unlocking system L=3000 mm | SBLST Kit for external unlock with key and metal cord | ST-1800 Motor support bracket L=1800 mm | TZ-1500 Pair of transmission arms, length 1500 mm, with supports |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |
|  |  | | | | | | |
| TZ-2000 Pair of transmission arms, length 2000 mm, with supports | TS Warning board | | | | | | |
| PC 1 | PC 1 | | | | | | |

BLINDO KIT

FOR OVERHEAD DOORS UP TO 9 m², 230 Vac




PLUS

230 Vac motor, with pre-installed opening and closing limit switch

External release for easy manual unlock from outside

With slowdown function, granting doors integrity

Water resistant SUB remote control included

| BLINDO KIT | | | | |
|---|--|--|--------|------------|
| CODE | DESCRIPTION | | WEIGHT | PCS PALLET |
| KBS52PR | Kit for spring and counterweight overhead doors up to 9 m², 230 Vac motor, control unit with slowdown function (with control unit CT102) | | 26kg | 18+9 |
|  KBS5224PR | Kit for spring and counterweight overhead doors up to 9 m², 24 Vdc motor, control unit with slowdown function (with control unit CT102 24) | | 26kg | 18+9 |

KIT COMPONENTS



| | BLINDO | RX4Y (1 pc) | SUB-44WR (2 pcs) | BDNS (2 pcs) | ST-1800 (1 pc) | TZ-1500 (1 pc) |
|-----------|--------|-------------|------------------|--------------|----------------|----------------|
| KBS52PR | • 1 PC | • | • | • | • | • |
| KBS5224PR | • 1 PC | INTEGRATED | • | • | • | • |

ACCESSORIES



| | | | | | | | |
|--|---|---|-----------------------|--|---|--|----------------------------|
| BC Standard curved telescopic arm | BD Straight telescopic arm | BDNS Straight telescopic arm with drill round bar to avoid welding pipes | BOC Bushing | SBCO External unlocking system L=3000 mm | SBLST Kit for external unlock with key and metal cord | TZ-2000 Pair of transmission arms, length 2000 mm, with supports | TS Warning board |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |



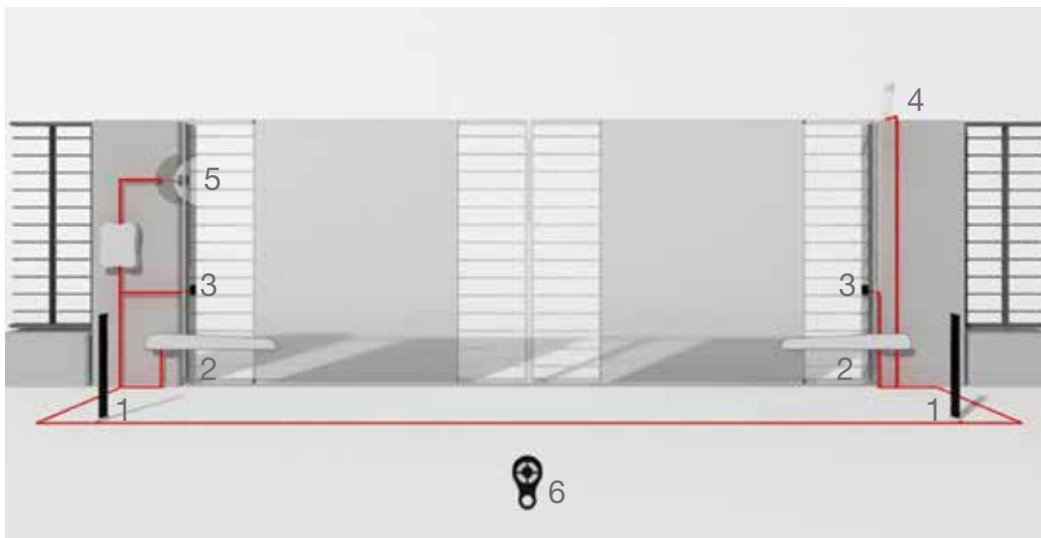
KEY INDUSTRY · INDUSTRY AND COMMERCIAL SOLUTIONS

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| WIND | 90 |
| WIND LIGHT | 96 |

SELECTION GUIDE · SYSTEM FOR SWING GATES

STAR 500

| | | |
|---------------------------------|-----------------------------------|------------|
| GEAR MOTOR FOR LEAVES UP TO 5 m | 230 V, normal use | PS-400FA |
| | 24 V, intensive use, irreversible | PS400-24FA |



STANDARD INSTALLATION FOR SWING GATES

- 1 Post for photocells
- 2 Gear motor
- 3 Photocells
- 4 Flashing light
- 5 Key switch
- 6 Radio transmitter

STAR 500

ELECTROMECHANICAL GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 5 m, 24 Vdc AND 230 Vac



PLUS

Opening mechanical stop to control your gate movement

Double bearing on the main screw to grant robustness and movement fluidity

Easy mechanical release

Mechanical parts well protected from external debris

Compatible with 24 Vdc control unit 14AB2, (page 140 for technical details)

Compatible with 230 Vac control unit CT202, (page 145 for technical details)



Robust bronze lock nut on endless screw



Easy mechanical release



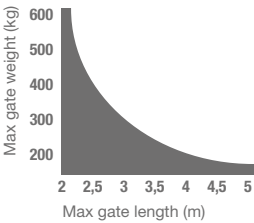
Double bearing on the main screw to grant robustness and movement fluidity

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|------------|--|------------|
| PS-400FA | For swing gates with maximum length 5 m, 230 Vac motor, with opening mechanical stop (1 pc) | 25 |
| PS400-24FA | For swing gates with maximum length 5 m, 24 Vdc motor, with opening mechanical stop, irreversible, with encoder (1 pc) | 25 |








| | | PS-400FA | PS400-24FA |
|------------------------|--------|-----------------|-----------------|
| MECHANICAL DATA | | | |
| speed | cm/s | 1,4 | 2,7 |
| pulling force | N | 1800 | 1400 |
| working cycle | % | 30 | 80 |
| opening time at 90° | sec | 35 | 25-35 |
| ELECTRICAL DATA | | | |
| control board | | CT202 | 14AB2 |
| power | Vac | 230 | - |
| | Vdc | - | 24 |
| consumption | A | 1,1 | 5 |
| absorbed power | W | 250 | 120 |
| capacitor | µF | 10 | - |
| thermoprotection | °C | 150 | - |
| GENERIC DATA | | | |
| protection degree | IP | 44 | 44 |
| dimensions (L - P - H) | mm | 995 - 108 - 110 | 995 - 108 - 110 |
| weight | kg cad | 9,5 | 9,5 |
| working temperature | °C | -20 + 55 | -20 + 55 |
| leaves maximum weight | Kg | 600 | 600 |

LIMIT USE



Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas

ACCESSORIES

| | | | | | | |
|---|---|---|---|--|---|---|
|  |  |  |  |  |  |  |
| ELS-C Horizontal 12 V electrolock | FC-PS Mechanical closing stop | STPOAVS Rear welded bracket | STANAV Front welded bracket | 14AB2 Control unit in box for two 24 Vdc motors | CT202 Control unit in box for two 230 Vac motors | TS Warning board |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

SELECTION GUIDE · SYSTEMS FOR SLIDING GATES

| | | |
|---|---|--------------|
| TURBO160 GEAR MOTOR FOR GATES UP TO 1600 Kg | 230 V, normal use, up to 1600 Kg electric limit switch | SC162 |
|---|---|--------------|

| | | |
|--|--|-----------------|
| TURBO 200 GEAR MOTOR FOR GATES UP TO 2500 Kg | 230 V, intensive use, up to 2000 Kg magnetic limit switch | SC202MHD |
| | 230 V, normal use, up to 2500 Kg magnetic limit switch | SC252M |

| | | |
|--|---|---------------|
| TURBO 400 GEAR MOTOR FOR GATES UP TO 4000 Kg | 400 V, normal use, up to 4000 Kg magnetic limit switch | SC400M |
|--|---|---------------|



STANDARD INSTALLATION FOR SLIDING GATES

- 1 Post for photocells
- 2 Gear motor
- 3 Photocells
- 4 Flashing light
- 5 Key switch
- 6 Radio transmitter

TURBO 160

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 1600 Kg, 230 Vac



PLUS

With slowdown function both in opening and closing to preserve gate integrity

Electronic and mechanical parts well protected from external debris

Easy maintenance thanks to the horizontal control unit position

With fixing plate included

With 230 Vac control unit CT102 (page 144 for technical details)



LCD display



Bronze gears





Sturdy and performing motors

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|-------|---|------------|
| SC162 | For sliding gates up to 1600 Kg, 230 Vac motor, control unit with slowdown and electric limit switch (1 pc) | 36 |

| SC162 | | |
|------------------------|------|-----------------|
| MECHANICAL DATA | | |
| speed | cm/s | 16 |
| torque | Nm | 40 |
| working cycle | % | 30 |
| ELECTRICAL DATA | | |
| control board | | CT102 |
| power | Vac | 230 |
| consumption | A | 2,5 |
| absorbed power | W | 600 |
| capacitor | µF | 20 |
| thermoprotection | °C | 150 |
| GENERIC DATA | | |
| protection degree | IP | 44 |
| dimensions (L - D - H) | mm | 320 - 184 - 260 |
| weight | kg | 14,5 |
| working temperature | °C | -20 + 55 |
| gate maximum weight | Kg | 1600 |

ACCESSORIES

| | |
|--|---|
|  |  |
| CREM-12 M4 zinc coated rack 30x12 mm L=1000 mm | TS Warning board |
| PACK OF 4 PCS | PC 1 |

TURBO 200

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 2500 Kg, 230 Vac



PLUS

The SC202MHD gearmotor now comes with a electro-mechanical brake as a standard

Electronic and mechanical parts well protected from external debris

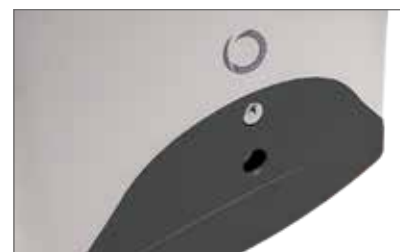
Easy maintenance thanks to the horizontal control unit position

New heavy-duty version with cooling fan for higher intensity of use

With 230 Vac control unit CT102 (page 144 for technical details)



Hidden external case fixing



Aluminum polished base and raised fixing plate



Cooling fan (SC202MHD) for intensive use



Sturdy and performing motors




MODELS

| CODE | DESCRIPTION | PCS PALLET |
|----------|---|------------|
| SC202MHD | For sliding gates up to 2000 Kg, 230 Vac motor, control unit with magnetic limit switch and mechanical electro-brake. M4 pinion. Intensive use (1 pc) | 16 |
| SC252M | For sliding gates up to 2500 Kg, 230 Vac motor, control unit with magnetic limit switch. M4 pinion (1 pc) | 16 |

| | | SC202MHD | SC252M |
|------------------------|------|-----------------|-----------------|
| MECHANICAL DATA | | | |
| speed | cm/s | 17 | 17 |
| torque | Nm | 93 | 110 |
| working cycle | % | 50/70* | 30 |
| ELECTRICAL DATA | | | |
| control board | | CT102I | CT102I |
| power | Vac | 230 | 230 |
| consumption | A | 4 | 4 |
| absorbed power | W | 580 | 580 |
| capacitor | µF | 25 | 35 |
| thermoprotection | °C | 150 | 150 |
| GENERIC DATA | | | |
| protection degree | IP | 44 | 44 |
| dimensions (L - D - H) | mm | 360 - 270 - 390 | 360 - 270 - 390 |
| weight | kg | 25 | 24 |
| working temperature | °C | -20 + 55 | -20 + 55 |
| gate maximum weight | Kg | 2000 | 2500 |

* variable according to the gate weight and dimensions

ACCESSORIES

| | | | | |
|---|---|---|---|--|
|  |  |  |  |  |
| 480RM6Z12 Pinion M6 Z12 | CREM-12 M4 zinc coated rack 30x12 mm L=1000 mm | CREM-30 M6 zinc coated rack 30x30 mm L=1000 mm | SC-EF Mechanical electro-brake (for SC252M) | TS Warning board |
| PC 1 | PACK OF 4 PCS | PACK OF 2 PCS | PC 1 | PC 1 |

TURBO 400

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 4000 Kg, 400 Vac



PLUS

Electronic and mechanical parts well protected from external debris

Easy maintenance thanks to the control unit position

Electric brake, to grants safety also on heaviest installations

With 400 Vac control unit CT-400, see page 149 for technical details



Anti-UV rays coating



Sturdy and high-performing motor

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--------|---|------------|
| SC400M | For sliding gates up to 4000 Kg, 400 Vac motor, control unit with slowdown and magnetic limit switch. M6 pinion (1 pc) | 4 |

| SC400M | | |
|------------------------|------|-----------------|
| MECHANICAL DATA | | |
| speed | cm/s | 17 |
| torque | Nm | 180 |
| working cycle | % | 30* |
| ELECTRICAL DATA | | |
| control board | | CT-400 |
| power | Vac | 400 |
| consumption | A | 2 |
| absorbed power | W | 750 |
| thermoprotection | °C | 150 |
| GENERIC DATA | | |
| protection degree | IP | 54 |
| dimensions (L - P - H) | mm | 520 - 300 - 585 |
| weight | kg | 76 |
| working temperature | °C | -20 + 55 |
| gate maximum weight | Kg | 4000 |

* variable according to the gate weight and dimensions

ACCESSORIES



CREM-30
M6 zinc coated
rack 30x30 mm
L=1000 mm

TS
Warning board

PACK OF 2 PCS PC 1

SELECTION GUIDE · SYSTEMS FOR ELECTROMECHANICAL BARRIERS

| | | |
|----------------------------------|---|----------|
| ALT3 BARRIER UP TO 3 m | 24 V, intensive use with built-in flashing light | ALT324KF |
|----------------------------------|---|----------|

| | | |
|----------------------------------|---|---------|
| ALT4 BARRIER UP TO 4 m | 24 V, intensive use with built-in flashing light | ALT424K |
|----------------------------------|---|---------|

| | | |
|----------------------------------|---|---------|
| ALT6 BARRIER UP TO 6 m | 24 V, intensive use with built-in flashing light | ALT624K |
|----------------------------------|---|---------|



STANDARD INSTALLATION FOR ELECTROMECHANICAL BARRIERS

- 1 Post for photocells
- 2 Barrier
- 3 Photocells
- 4 Flashing light
- 5 Key switch
- 6 Radio transmitter



PLUS

Maximum speed:

- up to 1 second for ALT324KF **FASTLINE**
- up to 3,5 seconds for ALT424K
- up to 6 seconds for ALT624K

Double built-in flashing light, two-coloured green/red

Double spring (6 m model) to counter balance movement and make it more fluent

Anti-UV rays epoxy power coating

Robust gears and levers for reliable functioning over time

Encoder for obstacle detection and immediate run inversion

For intensive use, for private and public solutions

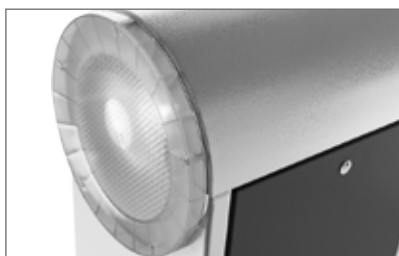
Energy saving mode

Universal box: bar can be installed both right or left

Possibility to set different speed in opening and closing motion

Integrated receiver

With 24 Vdc control unit CT102 24, (page 142 for technical details)



Double Led flashing light



Metallic gear + shock resistant motor (ALT624K)








CT102 24 control unit



New bar (6m + 8 m)

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|--|---|---|
|  ALT324KF | Barrier body, 24 Vdc motor, with control unit in box, with encoder, double built-in led flashing light. For 3 m bar, connection for bars included (1 pc) |  5 |
|  ALT424K | Barrier body, 24 Vdc motor, with control unit in box, with encoder, double built-in led flashing light. For 4 m bar, connection for bars included (1 pc) | 8 |
|  ALT624K | Barrier body, 24 Vdc motor, with control unit in box, with encoder, double built-in led flashing light. For 6 m bar, connection for bars included (1 pc) | 5 |

| | | ALT324KF | ALT424K | ALT624K |
|------------------------|-----|---|------------------|------------------|
| MECHANICAL DATA | | | | |
| torque | Nm | 40 | 200 | 305 |
| working cycle | % | 50 | 80 | 80 |
| opening time at 90° ** | sec | 1 | 3,5 | 6/*12 |
| ELECTRICAL DATA | | | | |
| control board | | CT102 24F  | CT102 24 | CT102 24 |
| power | Vac | 230 | 230 | 230 |
| consumption | A | 1,6 | 1,3 | 1,3 |
| absorbed power | W | 330 | 300 | 300 |
| integrated lights | | yes | yes | yes |
| GENERIC DATA | | | | |
| protection degree | IP | 54 | 54 | 54 |
| dimensions (L - D - H) | mm | 450 - 280 - 1188 | 360 - 220 - 1110 | 450 - 280 - 1188 |
| weight | kg | 62 | 47 | 67 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 |
| maximum bar length | m | 3 | 4 | 6 *(8 mt) |

* with 8 m bar
** without accessories

ACCESSORIES

ACCESSORIES ALT 3KF



AST3F
Aluminum tubular bar L=3 m Ø 60 mm (without accessories)
PC 1



CP-BR6
Anchorage plate with rag bolts
PC 1

ACCESSORIES ALT 4K



ASTL4
Aluminum bar L=4 m Ø 60 mm
PC 1



ASTL4J
2+2 m aluminum bar Ø 60 mm + joint
PC 1



AS-SNO3
Aluminum bar with articulated joint (max. L. 3 m) pre-assembled. Only for ALT424K
PC 1



AST5
Aluminum tubular bar L=5 m Ø 60 mm (without accessories)
PC 1



CP-BR
Anchorage plate with rag bolts
PC 1



PROFT
Flexible rubber profile, 8 m and plug set for AS4 (transparent)
PC 1

ACCESSORIES ALT 6K



ASTL6
Aluminum bar L=6 m Ø 90 mm
PC 1



ASTL6J
3+3 m aluminum bar, Ø 90 mm + joint
PC 1



ASTL8
4,2+4,2 m aluminum bar, Ø 90 mm + joint + springs
PC 1



AST8
Round telescopic aluminum boom L max=9 m Ø 60/90 mm, with counter-weight, joints and fixed support (without access)
PC 1



CP-BR6
Anchorage plate with rag bolts
PC 1



PROFT6
Flexible rubber profile, 12 m and plug set (transparent)
PC 1



PROFT8
Flexible rubber profile, 16 m and plug set (transparent)
PC 1

ACCESSORIES



APFX
Fixed support RAL 7047

PC 1



APM
Mobile support RAL 9010

PC 1



CTLIGHT
Control unit for KLIGHT

PC 1



KLIGHT4
Kit led lights for 4 m bar

PC 1



KLIGHT6
Kit led lights for 6 m bar

PC 1



KLIGHT8
Kit led lights for 8 m bar

PC 1



LOOP
Magnetic sensor, one coil, two outputs (impulse and presence)

PC 1



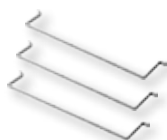
SKIRT2
Kit fence, length 1,7 m

PC 1



KBP
Battery back-up kit

PC 1



KITFIXBATT
Fixing batteries brackets

PC 1



AD
Red reflecting adhesive stripes

PCS 10



TWIN
Interface for master/slave function

PC 1

HOW TO CHOOSE THE LED LIGHT SYSTEM FOR BARRIERS

1 · CHOOSE YOUR BAR

ASTL4/ASTL4J

2 · CHOOSE LED COLOURS

RED

RED AND GREEN

3 · CHOOSE LED SIDES

ONE SIDE

TWO SIDES

ONE SIDE

TWO SIDES

1x CTLIGHT · 1x KLIGHT4 · 1x PROFT

1x CTLIGHT · 2x KLIGHT4 · 1x PROFT

2x CTLIGHT · 1x KLIGHT4 · 1x PROFT

2x CTLIGHT · 2x KLIGHT4 · 1x PROFT

ASTL6/ASTL6J

RED

RED AND GREEN

ONE SIDE

TWO SIDES

ONE SIDE

TWO SIDES

1x CTLIGHT · 1x KLIGHT6 · 1x PROFT6

1x CTLIGHT · 2x KLIGHT6 · 1x PROFT6

2x CTLIGHT · 1x KLIGHT6 · 1x PROFT6

2x CTLIGHT · 2x KLIGHT6 · 1x PROFT6

ASTL8

RED

RED AND GREEN

ONE SIDE

TWO SIDES

ONE SIDE

TWO SIDES

1x CTLIGHT · 1x KLIGHT8 · 1x PROFT8

1x CTLIGHT · 2x KLIGHT8 · 1x PROFT8

2x CTLIGHT · 1x KLIGHT8 · 1x PROFT8

2x CTLIGHT · 2x KLIGHT8 · 1x PROFT8

SELECTION GUIDE · SYSTEMS FOR ROLLING SHUTTERS

SHARP

GEAR MOTOR FOR ROLLING SHUTTERS

| | | |
|--|---------------------------------------|---|
| | shaft Ø 42-48-60 mm rim 200-220 mm | up to 170 Kg - SW6200 |
| | | up to 170 Kg, with electro-brake - SW6200EF |
| | | up to 320 Kg - SW12200 |
| | shaft Ø 76 mm rim 240 mm | up to 320 Kg, with electro-brake - SW12200EF |
| | | up to 180 Kg, with electro-brake - SW6240EFE |
| | | up to 350 Kg, with electro-brake - SW12240EFE |



STANDARD INSTALLATION FOR ROLLING SHUTTERS

- 1 Gear motor
- 2 Photocells
- 3 Flashing light
- 4 Key switch
- 5 Radio transmitter

SHARP 60/60BM

ELECTROMECHANICAL GEAR MOTOR FOR ROLLING SHUTTERS,
UP TO 320 Kg, 230 Vac, SHAFT 60 mm



PLUS

Semi-automatic limit switch, easy and intuitive

Excellent performance thanks to noiseless gear motor

Electromagnetic brake version

Smooth reversibility in case of power failure

Low maintenance required with good resistance to wear

With 230 Vac control unit CT1RD, (page 148 for technical details)



Limit switch with fast adjustment



Solid and robust design



High performance motors

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|-----------|---|------------|
| SW6200 | Motor for Ø 42*-48-60 mm shaft, rim Ø 200-220 mm, 170 Kg (1 pc) | 45 |
| SW6200EF | Motor for Ø 42*-48-60 mm shaft, rim Ø 200-220 mm, 170 Kg. With electro-brake (1 pc) | 45 |
| SW12200 | Motor for Ø 42*-48-60 mm shaft, rim Ø 200-220 mm, 320 Kg (1 pc) | 45 |
| SW12200EF | Motor for Ø 42*-48-60 mm shaft, rim Ø 200-220 mm, 320 Kg. With electro-brake (1 pc) | 45 |

*Only with accessory ACSW002A00

| | | SW6200 | SW6200EF | SW12200 | SW12200EF |
|------------------------|-----|-------------|-------------|-------------|-------------|
| MECHANICAL DATA | | | | | |
| speed | rpm | 10 | 10 | 10 | 10 |
| torque | Nm | 175 | 175 | 325 | 325 |
| working cycle | % | 30 | 30 | 30 | 30 |
| ELECTRICAL DATA | | | | | |
| control board | | CT1RD | CT1RD | CT1RD | CT1RD |
| power | Vac | 230 | 230 | 230 | 230 |
| consumption | A | 2,8 | 2,8 | 5,6 | 5,6 |
| absorbed power | W | 600 | 600 | 1200 | 1200 |
| capacitor | µF | 20 | 20 | 35 | 35 |
| thermoprotection | °C | 170 | 170 | 170 | 170 |
| GENERIC DATA | | | | | |
| protection degree | IP | 20 | 20 | 20 | 20 |
| dimensions (L - D - H) | mm | 350 - Ø 200 | 350 - Ø 200 | 350 - Ø 200 | 350 - Ø 200 |
| weight | kg | 8 | 9 | 11,5 | 12,5 |
| working temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 |

ACCESSORIES

| | | | | | | |
|---|---|---|--|--|---|---|
|  |  |  |  |  |  |  |
| ACSW002A00 Shaft adapter Ø 42 | BMET Metal box with release system | CT1RD 230 Vac control unit with integrated receiver. In box | FT22 Pair of photocells for external use and flush- mounting (30x28x90 mm) | SEL-M Outdoor key selector | SW-EF Electro-brake with release | TS Warning board |
| PCS 2 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

SHARP 76/76BM

ELECTROMECHANICAL GEAR MOTOR FOR ROLLING SHUTTERS,
UP TO 350 Kg, 230 Vac, SHAFT 76 mm



PLUS

Semi-automatic limit switch, easy and intuitive

Excellent performance thanks to noiseless gear motor

76 mm shaft, single or bi-motor version

Electromagnetic brake version

Smooth reversibility in case of power failure

Low maintenance required with good resistance to wear

With 230 Vac control unit CT1RD, (page 148 for technical details)



Solid and robust design



High performance motors

MODELS

| CODE | DESCRIPTION | PCS PALLET |
|------------|--|------------|
| SW6240EFE | Motor for Ø 76 mm shaft, rim Ø 240 mm, 180 Kg. With electro-brake (1 pc) | 45 |
| SW12240EFE | Motor for Ø 76 mm shaft, rim Ø 240 mm, 350 Kg. With electro-brake (1 pc) | 45 |

| | | SW6240EFE | SW12240EFE |
|------------------------|-----|-------------|-------------|
| MECHANICAL DATA | | | |
| speed | rpm | 8 | 8 |
| torque | Nm | 185 | 370 |
| working cycle | % | 30 | 30 |
| ELECTRICAL DATA | | | |
| control board | | CT1RD | CT1RD |
| power | Vac | 230 | 230 |
| consumption | A | 2,8 | 5,6 |
| absorbed power | W | 600 | 1200 |
| capacitor | µF | 20 | 40 |
| thermoprotection | °C | 170 | 170 |
| GENERIC DATA | | | |
| protection degree | IP | 20 | 20 |
| dimensions (L - D - H) | mm | 350 - Ø 240 | 399 - Ø 240 |
| weight | kg | 13 | 17,5 |
| working temperature | °C | -20 + 55 | -20 + 55 |

ACCESSORIES

| | | | | | |
|---|---|---|---|--|---|
|  |  |  |  |  |  |
| BMET Metal box with release system | CT1RD 230 Vac control unit with integrated receiver. In box | FT22 Pair of photocells for external use and flush-mounting (30x28x90 mm) | SEL-M Outdoor key selector | SW-EFE Electro-brake with release | TS Warning board |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

SELECTION GUIDE · SYSTEMS FOR SLIDING GLASS DOORS

WIND

SYSTEM FOR SINGLE SLIDING DOOR 160 kg
automation length from 1900 mm to 4200 mm

| | | |
|--|--------------------------------|---------|
| | assembled automation | PA1901K |
| | | PA2101K |
| | | PA2501K |
| | | PA2901K |
| | | PA3301K |
| | | PA3701K |
| | | PA4201K |
| | kit for custom made automation | PA151K |

WIND

SYSTEM FOR DOUBLE SLIDING DOOR 130 + 130 Kg
automation length from 1900 mm to 4200 mm

| | | |
|--|--------------------------------|---------|
| | assembled automation | PA1902K |
| | | PA2102K |
| | | PA2502K |
| | | PA2902K |
| | | PA3302K |
| | | PA3702K |
| | | PA4202K |
| | kit for custom made automation | PA152K |

WIND LIGHT

SYSTEM FOR SINGLE SLIDING DOOR 120 Kg
automation length from 1900 mm to 4200 mm

| | | |
|--|--------------------------------|----------|
| | assembled automation | PA1901LK |
| | | PA2101LK |
| | | PA2501LK |
| | | PA2901LK |
| | | PA3301LK |
| | | PA3701LK |
| | | PA4201LK |
| | kit for custom made automation | PA151LK |

WIND LIGHT

SYSTEM FOR DOUBLE SLIDING DOOR 80 + 80 Kg
automation length from 1900 mm to 4200 mm

| | | |
|--|--------------------------------|----------|
| | assembled automation | PA1902LK |
| | | PA2102LK |
| | | PA2502LK |
| | | PA2902LK |
| | | PA3302LK |
| | | PA3702LK |
| | | PA4202LK |
| | kit for custom made automation | PA152LK |



WIND

SYSTEM FOR SLIDING DOORS UP TO 160 Kg



PLUS

CONTROL UNIT

Equipped with connectors and terminals for the connection of:

- Main power
- Motor power
- Cyclic counter
- Battery
- Electromechanical stop

Possibility to program the door via digital selector with display
EASY:

Characteristics:

- Visualization of door status mode
- Programming
- Parameters regulation
- Diagnostic
- Parameters control

Self-bearing cover for an easier inspection from outside

External digital keypad to program, select, set-up functions
without operating on control unit

Manual selector with switch for an easy selection of standard
functions

Operating status led

Battery charge monitoring

Safety device surveillance

TECHNICAL DETAILS

MECHANICAL DATA

| | | |
|---------------|------|-----------------------------------|
| opening speed | cm/s | adjustable max 70 cm/s (for leaf) |
| closing speed | cm/s | adjustable max 60 cm/s (for leaf) |
| working cycle | % | 100 |

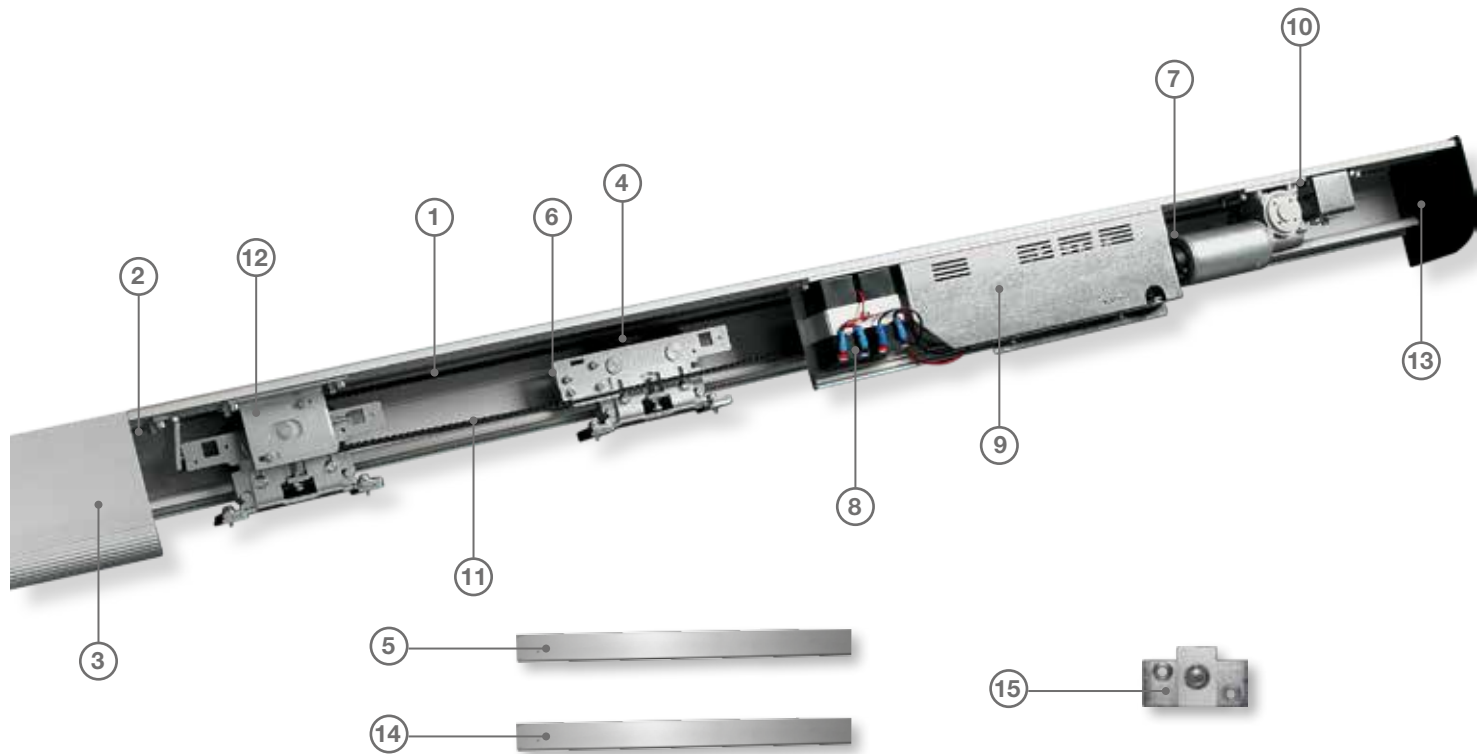
ELECTRICAL DATA

| | | |
|----------------------|-----------|---------------------------------|
| control board | | CT-PAE |
| power | Vac (Vdc) | 230 50/60 Hz |
| absorbed power | W | 130 |
| opening pause time | sec | adjustable from 0 to 60 seconds |
| anti-crushing system | | standard |

GENERIC DATA

| | | |
|------------------------|----|-----------|
| protection degree | IP | 22 |
| bar dimensions (D - H) | mm | 150 - 150 |
| working temperature | °C | -20 + 55 |
| max weight 1 leaf | Kg | 160 |
| max weight 2 leaves | Kg | 130+130 |

PART IDENTIFICATION



1. 10 MICRON CHEMICAL SILVER OXIDIZED ALUMINIUM
BAR

2. MECHANICAL STOP

3. OXIDIZED ALUMINIUM BOX

4. CARRIAGE

5. ADAPTOR (OPTIONAL)

6. TRACTION BRACKETS

7. MOTOR WITH ENCODER

8. EMERGENCY BATTERY UNIT (OPTIONAL)

9. CONTROL UNIT

10. ELECTROMECHANICAL STOP (OPTIONAL)

11. BELT

12. TRANSMISSION PULLEY

13. BOX SIDE PLUG

14. FLOOR GUIDANCE (OPTIONAL)

15. PLATE WITH HINGE AND NYLON BLOCK (OPTIONAL)

WIND AUTOMATION

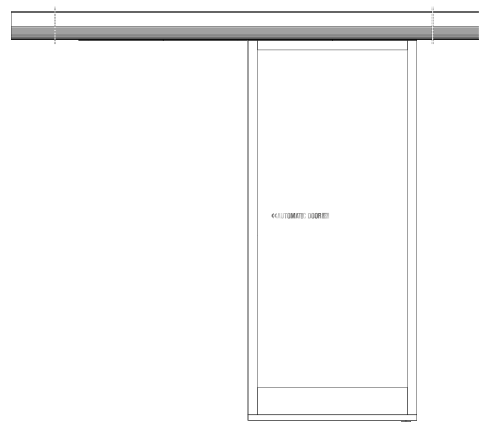
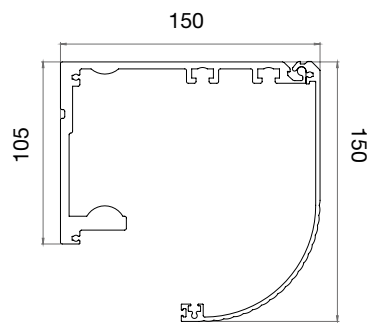
WIND are a new series of straight sliding hi-tech automatic systems for very intensive use, with high technical content and silent operation. They offer many features mixed with quality and reliability and are easy to install and programme. WIND offers solutions with appropriate anti-panic break-out devices allowing easy access to escape routes. The complete range offers solutions for all requirements of size, use and weight.

TECHNICAL FEATURES

WIND are provided with a 24 Vdc motor, a microprocessor electronic control panel and an electronic impact-free device with encoder. Control unit learn door weight and stroke length with a simple self-learning procedure. The casing is made of aluminum extrusion and, thanks to a special locating hook system, there is the possibility to "hold open" the profile cover without supporting it. Faults are displayed on the selector screen (optional).

WIND

SYSTEM FOR SINGLE SLIDING DOOR UP TO 160 Kg



ASSEMBLED AUTOMATION INCLUDES:

| CODE | DESCRIPTION | |
|----------|---|--|
| PA151K | Kit for single leaf (1 pc) | |
| PA000 | Beam profile | |
| PA001 | Anodized cover profile | |
| PA003 | Belt | |
| 600AD-PA | Adhesive automatic door right + left (1 pc) | |

ASSEMBLED AUTOMATION AVAILABLE SIZES

| CODE | NOMINAL CLEARANCE ROOM: mm | AUTOMATION LENGTH: mm |
|---------|----------------------------|-----------------------|
| PA1901K | 900 | 1900 |
| PA2101K | 1000 | 2100 |
| PA2501K | 1200 | 2500 |
| PA2901K | 1400 | 2900 |
| PA3301K | 1600 | 3300 |
| PA3701K | 1800 | 3700 |
| PA4201K | 2000 | 4200 |

For intermediate size select higher dimension
when ordering specify right or left opening (installation inside view)

PA151K: CUSTOM MADE AUTOMATION KIT










| CODE | DESCRIPTION |
|--------|----------------------------|
| PA151K | Kit for single leaf (1 pc) |

KIT FOR SINGLE LEAF INCLUDES:

- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (1 pc)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)
- Adhesive automatic door right + left (1 pc)



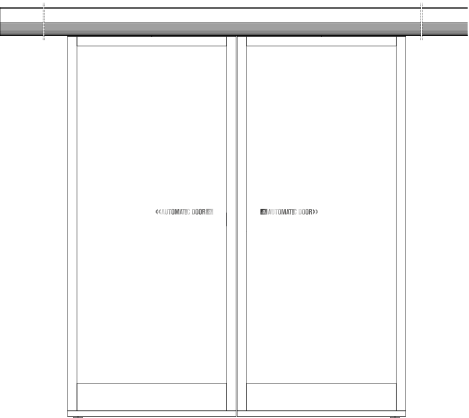
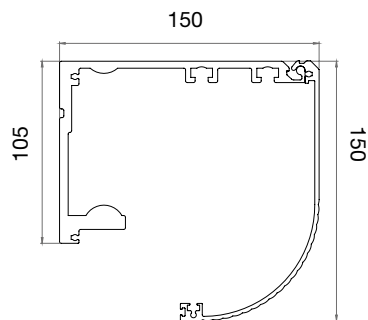
OPTIONAL ELEMENTS

| CODE | DESCRIPTION | |
|---------|--|---|
| PA000 | Beam profile |  |
| PA001 | Anodized cover profile |  |
| PA003 | Belt |  |
| PA020 | Upper adaptor profile |  |
| PA021 | Floor guidance and track |  |
| PA023 | Electric lock kit set-up for installation with cord release PA011 (1 pc) |  |
| PA024 | Plate with hinge and nylon block (1 pc) |  |
| PA032 | Emergency battery kit 12 V - 1,2A with fixing aluminum support (1 pc) |  |
| SMNP AE | Manual selector |  |

Accessories for control and security page 102

WIND

SYSTEM FOR DOUBLE SLIDING DOOR UP TO 130+130 Kg



ASSEMBLED AUTOMATION INCLUDES:

| CODE | DESCRIPTION | |
|----------|---|--|
| PA152K | Kit for double leaf (1 pc) | |
| PA000 | Beam profile | |
| PA001 | Anodized cover profile | |
| PA003 | Belt | |
| 600AD-PA | Adhesive automatic door right + left (1 pc) | |

ASSEMBLED AUTOMATION AVAILABLE SIZES

| CODE | NOMINAL CLEARANCE ROOM: mm | AUTOMATION LENGTH: mm |
|---------|----------------------------|-----------------------|
| PA1902K | 450+450 | 1900 |
| PA2102K | 500+500 | 2100 |
| PA2502K | 600+600 | 2500 |
| PA2902K | 700+700 | 2900 |
| PA3302K | 800+800 | 3300 |
| PA3702K | 900+900 | 3700 |
| PA4202K | 1000+1000 | 4200 |

For intermediate size select higher dimension

PA152K: CUSTOM MADE AUTOMATION KIT

| CODE | DESCRIPTION |
|--------|----------------------------|
| PA152K | Kit for double leaf (1 pc) |

KIT FOR DOUBLE LEAF INCLUDES:

- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (2 pcs)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)
- Adhesive automatic door right + left (1 pc)



OPTIONAL ELEMENTS

| CODE | DESCRIPTION | |
|--------|--|--|
| PA000 | Beam profile | |
| PA001 | Anodized cover profile | |
| PA003 | Belt | |
| PA020 | Upper adaptor profile | |
| PA021 | Floor guidance and track | |
| PA023 | Electric lock kit set-up for installation with cord release PA011 (1 pc) | |
| PA024 | Plate with hinge and nylon block (1 pc) | |
| PA032 | Emergency battery kit 12 V - 1,2A with fixing aluminum support (1 pc) | |
| SMNPAE | Manual selector | |

Accessories for control and security page 102

WIND LIGHT

SYSTEM FOR SLIDING DOOR UP TO 120 Kg



PLUS

CONTROL UNIT

Equipped with connectors and terminals for the connection of:

- Main power
- Motor power
- Cyclic counter
- Battery
- Electromechanical stop

Possibility to programme the door via digital selector with display EASY:

Characteristics:

- Visualization of door status mode
- Programming
- Parameters regulation
- Diagnostic
- Parameters control

Self-bearing cover for an easier inspection from outside

External digital keypad to program, select, set-up functions without operating on control unit

Manual selector with switch for an easy selection of standard functions

Operating status led

Battery charge monitoring

Safety device surveillance

TECHNICAL DETAILS

MECHANICAL DATA

| | | |
|---------------|------|-----------------------------------|
| opening speed | cm/s | adjustable max 70 cm/s (for leaf) |
| closing speed | cm/s | adjustable max 60 cm/s (for leaf) |
| working cycle | % | 100 |

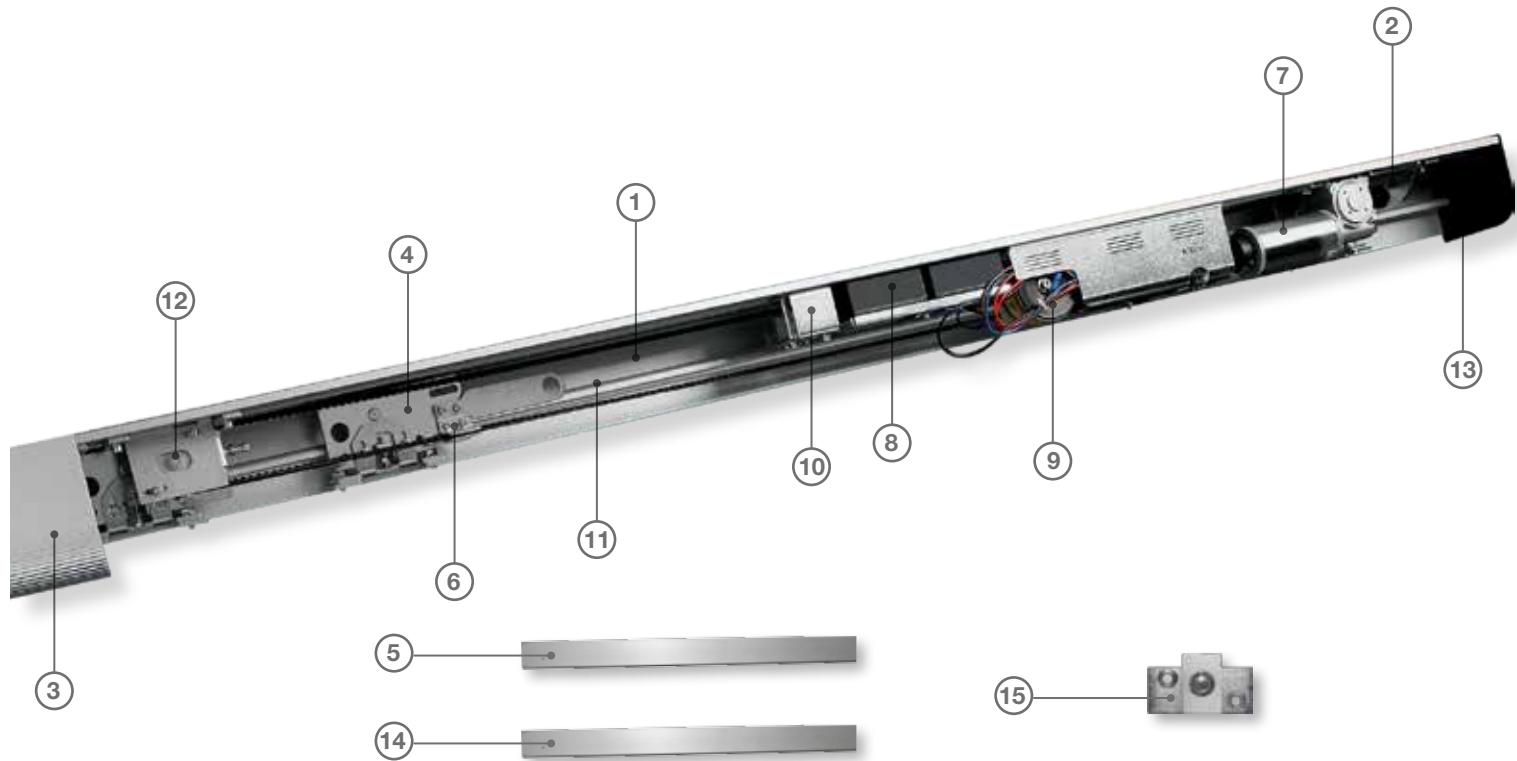
ELECTRICAL DATA

| | | |
|----------------------|-----------|---------------------------------|
| control board | | CT-PAE |
| power | Vac (Vdc) | 230 50/60 Hz |
| absorbed power | W | 80 |
| opening pause time | sec | adjustable from 0 to 60 seconds |
| anti-crushing system | | standard |

GENERIC DATA

| | | |
|------------------------|----|-----------|
| protection degree | IP | 22 |
| bar dimensions (D - H) | mm | 142 - 111 |
| working temperature | °C | -20 + 55 |
| max weight 1 leaf | Kg | 120 |
| max weight 2 leaves | Kg | 80+80 |

PART IDENTIFICATION



1. 10 MICRON CHEMICAL SILVER OXIDIZED ALUMINIUM
BAR

2. MECHANICAL STOP

3. OXIDIZED ALUMINIUM BOX

4. CARRIAGE

5. ADAPTOR (OPTIONAL)

6. TRACTION BRACKETS

7. MOTOR WITH ENCODER

8. EMERGENCY BATTERY UNIT (OPTIONAL)

9. CONTROL UNIT

10. ELECTROMECHANICAL STOP (OPTIONAL)

11. BELT

12. TRANSMISSION PULLEY

13. BOX SIDE PLUG

14. FLOOR GUIDANCE (OPTIONAL)

15. PLATE WITH HINGE AND NYLON BLOCK (OPTIONAL)

WIND LIGHT AUTOMATION

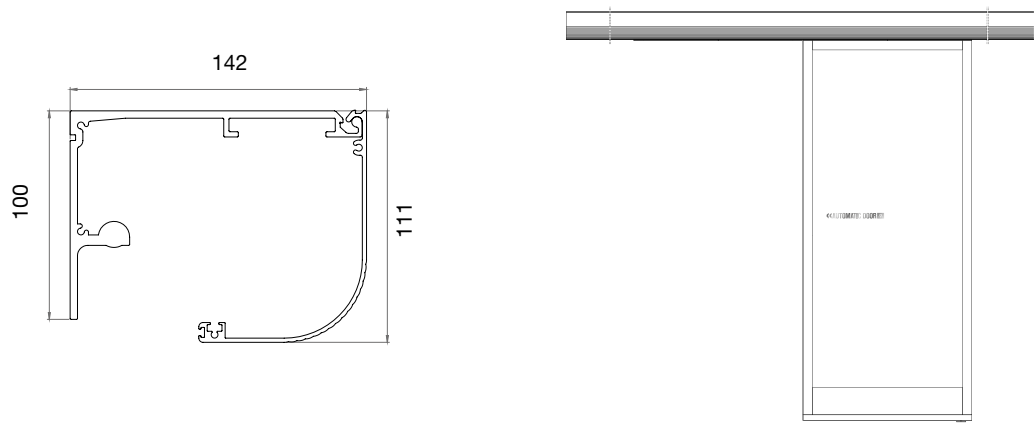
WIND LIGHT are a new series of straight sliding hi-tech automatic systems for very intensive use, with high technical content and silent operation. They offer many features mixed with quality and reliability and are easy to install and programme. WIND LIGHT offers solutions with appropriate anti-panic break-out devices allowing easy access to escape routes. The complete range offers solutions for all requirements of size, use and weight.

TECHNICAL FEATURES

WIND LIGHT are provided with a 24 Vdc motor, a microprocessor electronic control panel and an electronic impact-free device with encoder. Control unit learn door weight and stroke length with a simple self-learning procedure. The casing is made of aluminum extrusion and, thanks to a special locating hook system, there is the possibility to "hold open" the profile cover without supporting it. Faults are displayed on the selector screen (optional).

WIND LIGHT

SYSTEM FOR SINGLE SLIDING DOOR UP TO 120 Kg



ASSEMBLED AUTOMATION INCLUDES:

| CODE | DESCRIPTION | |
|----------|---|--|
| PA151LK | Kit for single leaf (1 pc) | |
| PA000L | Beam profile | |
| PA001L | Anodized cover profile | |
| PA003 | Belt | |
| 600AD-PA | Adhesive automatic door right + left (1 pc) | |

ASSEMBLED AUTOMATION AVAILABLE SIZES

| CODE | NOMINAL CLEARANCE ROOM: mm | AUTOMATION LENGTH: mm |
|----------|----------------------------|-----------------------|
| PA1901LK | 900 | 1900 |
| PA2101LK | 1000 | 2100 |
| PA2501LK | 1200 | 2500 |
| PA2901LK | 1400 | 2900 |
| PA3301LK | 1600 | 3300 |
| PA3701LK | 1800 | 3700 |
| PA4201LK | 2000 | 4200 |

For intermediate size select higher dimension
when ordering specify right or left opening (installation inside view)

PA151LK: CUSTOM MADE AUTOMATION KIT










| CODE | DESCRIPTION |
|---------|----------------------------|
| PA151LK | Kit for single leaf (1 pc) |

KIT FOR SINGLE LEAF INCLUDES:

- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (1 pc)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)
- Adhesive automatic door right + left (1 pc)



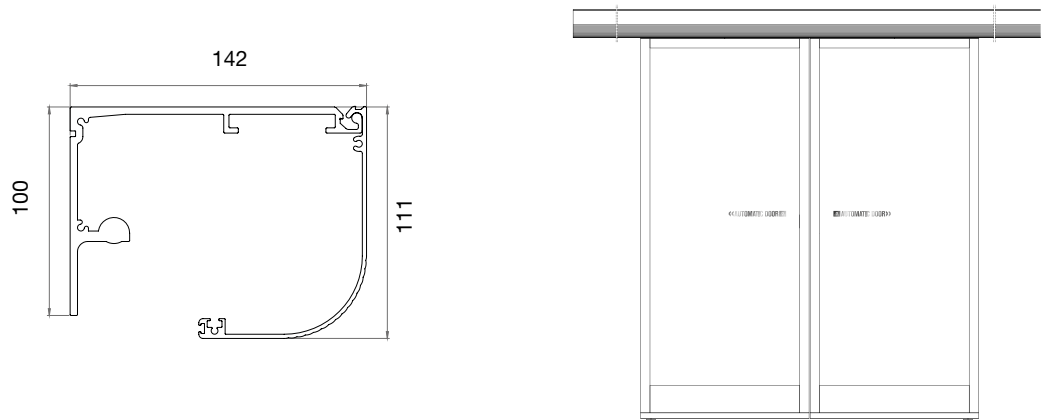
OPTIONAL ELEMENTS

| CODE | DESCRIPTION | |
|---------|---|---|
| PA000L | Beam profile |  |
| PA001L | Anodized cover profile |  |
| PA003 | Belt |  |
| PA020 | Upper adaptor profile |  |
| PA021 | Floor guidance and track |  |
| PA022L | Emergency battery kit 12 V - 1,2A (1 pc) |  |
| PA023L | Electric lock kit set-up for installation with cord release PA011L (1 pc) |  |
| PA024 | Plate with hinge and nylon block (1 pc) |  |
| SMNP AE | Manual selector |  |

Accessories for control and security page 102

WIND LIGHT

SYSTEM FOR DOUBLE SLIDING DOOR UP TO 80+80 Kg



ASSEMBLED AUTOMATION INCLUDES:

| CODE | DESCRIPTION | |
|----------|---|--|
| PA152LK | Kit for double leaf (1 pc) | |
| PA000L | Beam profile | |
| PA001L | Anodized cover profile | |
| PA003 | Belt | |
| 600AD-PA | Adhesive automatic door right + left (1 pc) | |

ASSEMBLED AUTOMATION AVAILABLE SIZES

| CODE | NOMINAL CLEARANCE ROOM: mm | AUTOMATION LENGTH: mm |
|----------|----------------------------|-----------------------|
| PA1902LK | 450+450 | 1900 |
| PA2102LK | 500+500 | 2100 |
| PA2502LK | 600+600 | 2500 |
| PA2902LK | 700+700 | 2900 |
| PA3302LK | 800+800 | 3300 |
| PA3702LK | 900+900 | 3700 |
| PA4202LK | 1000+1000 | 4200 |

For intermediate size select higher dimension

PA152LK: CUSTOM MADE AUTOMATION KIT

| CODE | DESCRIPTION |
|---------|----------------------------|
| PA152LK | Kit for double leaf (1 pc) |

KIT FOR DOUBLE LEAF INCLUDES:

- Motor with encoder 24 Vdc (1 pc)
- Kit door carriages (2 pcs)
- Electronic control unit (1 pc)
- Plug set (2 pcs)
- Mechanic limit switch (2 pcs)
- Kit accessories and screws for fixing (1 pc)
- Adhesive automatic door right + left (1 pc)



OPTIONAL ELEMENTS

| CODE | DESCRIPTION | |
|--------|---|--|
| PA000L | Beam profile | |
| PA001L | Anodized cover profile | |
| PA003 | Belt | |
| PA020 | Upper adaptor profile | |
| PA021 | Floor guidance and track | |
| PA022L | Emergency battery kit 12 V - 1,2A (1 pc) | |
| PA023L | Electric lock kit set-up for installation with cord release PA011L (1 pc) | |
| PA024 | Plate with hinge and nylon block (1 pc) | |
| SMNPAE | Manual selector | |

Accessories for control and security page 102

WIND/WIND LIGHT

ACCESSORIES



EASY
Digital pad with graphic display 128x64 pixel for sliding doors

PC 1



SMNPAE
Manual selector for automatic sliding doors

PC 1



SEL-T
Proximity sensor for transponder cards

PC 1



SEL-W
Wired digital keypad

PC 1



SEL-R
Wireless radio digital keypad

PC 1



DECSEL-W
Decoder for digital keypad **SEL-W**

PC 1



DECSEL-T
Decoder for proximity sensor for transponder cards **SEL-T**

PC 1



CARD
Transponder card

PCS 10



RXM23Y
Universal receiver 2 channels, fix or rolling code

PC 1



TAG
Proximity tag with key ring

PC 1



SUB-44WRT
4 channels transmitter, rolling code, with transponder

PC 1



PA012MW
Microwave bidirectional sensor

PC 1



PA025CT
Active infrared radar sensor

PC 1



PA014H
Photocells kit with electronic board

PC 1



PA011
Complete kit for manual release (for WIND)

PC 1



PA011L
Complete kit for manual release (for WIND LIGHT)

PC 1



BMET
Metal box with release system

PC 1



SPA25
Brush h 25 mm for glass doors

MT 1



KPAFCO
Casing supports





PC 1



KOMSCA
Kit cable supports

PCS 10

KIT FOR EMERGENCY EXIT

| CODE | DESCRIPTION | |
|------------|--|---|
| KITANTSF1 | Emergency exit kit for one door with max length 1100 mm (not certified) (1 pc) |  |
| KITANTSF2C | Emergency exit kit for single leaf up to 1300 mm (certified) (1 pc) |  |
| PA033 | Upper emergency exit adaptor profile (for KITANTSF1) |  |
| PA034 | Lower emergency exit adaptor profile (for KITANTSF1) |  |

KIT FOR GLASS DOOR

| CODE | DESCRIPTION | |
|--------|---|---|
| PA007 | Aluminium profile for glass door L=3200 mm Maximum glass thickness 1 cm (1 pc) |  |
| PA009 | Kit fixing screws (for PA007) (1 pc) |  |
| PA005E | Fastening kit for glass door 1500 mm. Maximum glass thickness 1 cm (1 pc) |  |
| PA008 | Floor guide (for PA007 and PA005E) (1 pc) |  |

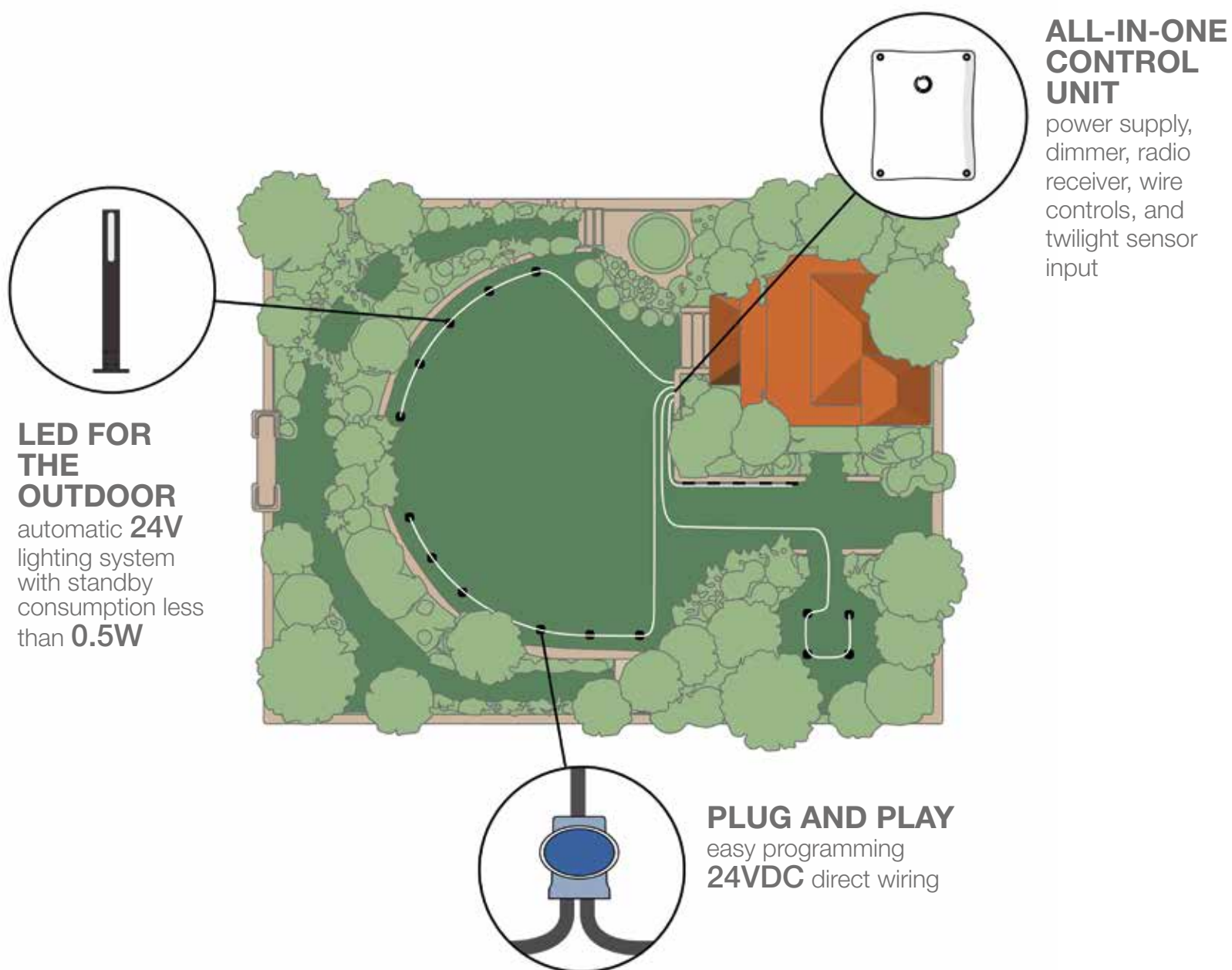


KEY GARDEN · GARDEN AND OUTDOOR AREAS SOLUTIONS

| | |
|--------------------------|-----|
| OUTDOOR LIGHTING SYSTEMS | 106 |
| GARDEN KIT | 108 |
| TONDA | 112 |
| STIK S | 103 |
| STIK M | 115 |
| FLAT | 116 |
| VERTICAL | 117 |
| TOWER | 118 |
| STELLA | 119 |
| ACCESSORIES | 120 |

KEY GARDEN

THE SOLUTION TO ILLUMINATE THE EXTERIOR OF YOUR HOME



*Select your
kit and add
your lights*



KBOXLED

4 independent
outputs to control
up to 5 lights each
output **20 lights total***

KBOXLED XL

4 independent
outputs to control
up to 16 lights each
output **64 lights total***

* 1 light = 1 strip from 18 leds



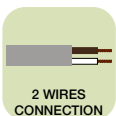
Extra low-voltage **24Vdc** safe wiring



Adjust light brightness with **remote control**



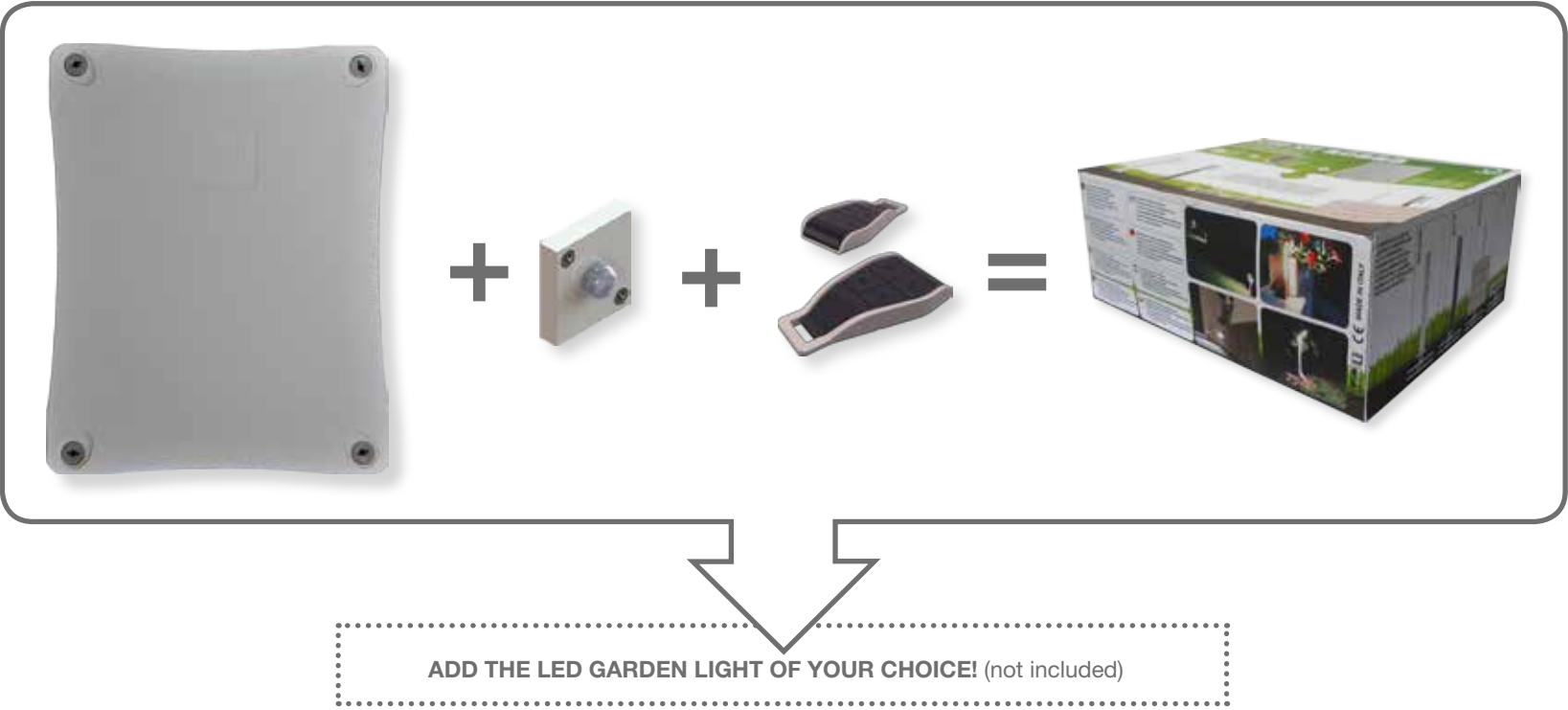
With automatic on/off through **night sensor**



Manage up to **4 independent zones**

GARDEN BOX

KIT FOR LED LIGHTS CONTROL



COMPONENTS KIT

| |  |  |  |  |
|-----------|---|---|---|--|
| | BOXLED | QUADRO (1 pc) | KPLAY4R (1 pc) | POWER SUPPLY CABLE (KBOXLED) (1 pc) |
| KBOXLED | • BOXLED | • | • | • |
| KBOXLEDXL | • BOXLEDXL | • | • | |

PLUS

Conceived for the automatic control of LED lights, to illuminate the area around the gate entry, frames and driveways

Output for night sensor QUADRO

Built-in receiver 433 MHz, up to 30 stored codes


Status led

Programming with buttons or via display DYL

Power supply 90-260 Vac

KBOXLED: 4 independent outputs to control up to 5 lights each (20 lights total)

KBOXLEDXL: 4 independent outputs to control up to 16 lights each (64 lights total)

| | |
|---|---|
| 1 light = 1 strip from 18 leds |  |
| 1 STIK S DOWN/STIK S UP/ STIK M/FLAT/VERTICAL | 1 LIGHT |
| 1 TOWER / 1 TONDA | 2 LIGHTS |
| 1 STELLA | 4 LIGHTS |

MODELS

| CODE | DESCRIPTION |
|-----------|--|
| KBOXLED | Key Automation garden light kit 24Vdc, up to 20 lights, with power supply cable (1 pc) |
| KBOXLEDXL | Key Automation garden light kit XL 24Vdc, up to 64 lights (1 pc) |

| | | KBOXLED | KBOXLEDXL |
|-------------------------------------|-------|---|---|
| ELECTRICAL DATA | | | |
| power supply | Vac | 90 ~ 260 50-60 Hz | 90 ~ 260 50-60 Hz |
| max power | W | 25 | 100 |
| power stand-by | W | <0,5 | <0,5 |
| maximum output load | 24Vdc | five 18-led lights for each of the 4 outputs / twenty 18-led lights for 1 output | sixteen 18-led lights for each of the 4 outputs / thirty-two 18-led lights for 2 outputs (CH1-CH4) |
| | | 25W MAX | CH1=20W (MAX 40W) CH2=20W CH3=20W CH4= 20W (MAX 40W) 80W MAX |
| | | | |
| GENERIC DATA | | | |
| protection degree | IP | 54 | 54 |
| dimensions (L - D - H) | mm | 160 - 90 - 200 | 222 - 110 - 275 |
| operating temperature | °C | -20 + 55 | -20 + 55 |
| max. number of transmitters storage | | 30 transmitters | 30 transmitters |

ACCESSORIES

| | | | | | |
|--|--|--|--|---|--|
|  |  |  |  |  |  |
| QUADRO Night sensor | DYL Display module Cable length 120 cm | RX2H Miniaturized control unit | TX2B Recessed transmitter | SUB-44WR 4 channels, rolling code, white colour | KPLAY4R Pair of transmitters 4 channels, rolling code |
| PC 1 | PC 1 | PC 1 | PC 1 | PC 1 | PC 1 |

KEY GARDEN

The new product line Key Garden has been conceived to illuminate residential and industrial areas in a simple, safe and economic way.

The range includes the following models:

- TONDA: Inset light for installations in gardens, hotels and residential areas
- STIK S: garden lights with height 40 cm, two models, with front light or back light
- STIK M: garden lights with height 75 cm with front light
- FLAT: step lights, or for garage doors and pergolas
- VERTICAL: lights for pedestrian or vehicular premises, to be installed on top of the fence
- TOWER: lights with double led strip, suitable for parking lots and public areas
- STELLA: led lights to light up large areas

By connecting the night sensor Quadro or the flash light Eclipse the garden lights will switch on automatically at sunset and they will automatically switch off at sunrise. The garden lights installation is simple and intuitive, and it is also suitable for the DIY.

It is possible to control the lights also via radio with a remote control. In addition the light intensity is dimmerable at night to the desired level, or to set different thresholds for automatic activation of lights.

To install the garden lights simply connect only two 24V wires to the control board 14A, or to the board BOXLED, to obtain an automatic light system independent from the gate automation.

The energy consumption of each light is 50 mA for the models STIK, FLAT and VERTICAL, 100mA for TOWER, and 200mA for STELLA.





TONDA

INSET LED LIGHT



PLUS

Inset light for installations in gardens, hotels and residential areas, completely waterproof and insulated

In stainless steel and plastic

DIMENSIONS

11-26Vdc

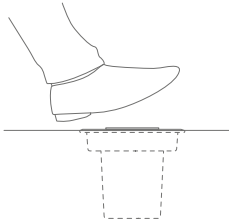
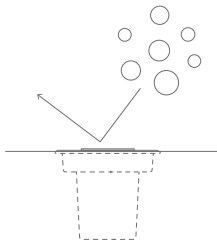
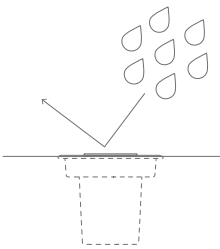
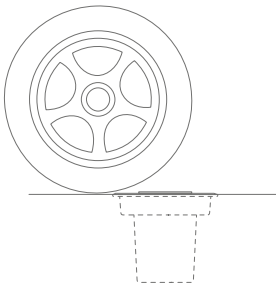
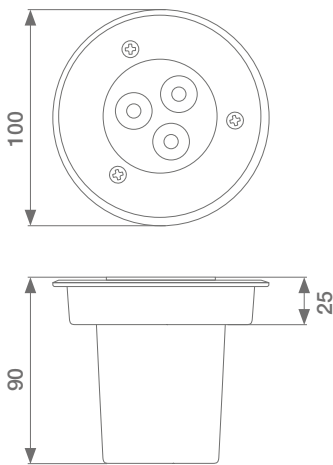
CRI 80

4000K

240lm

IP67

3W



available colours:



STEEL

MODELLI

| CODE | DESCRIPTION | WEIGHT |
|--------|-----------------|--------|
| TN103N | Inset LED light | 0,27kg |

STIK S DOWN

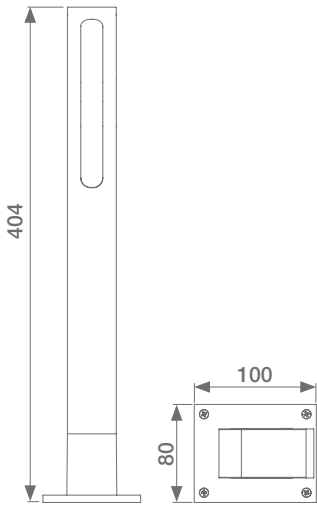
LED GARDEN LIGHTS



PLUS

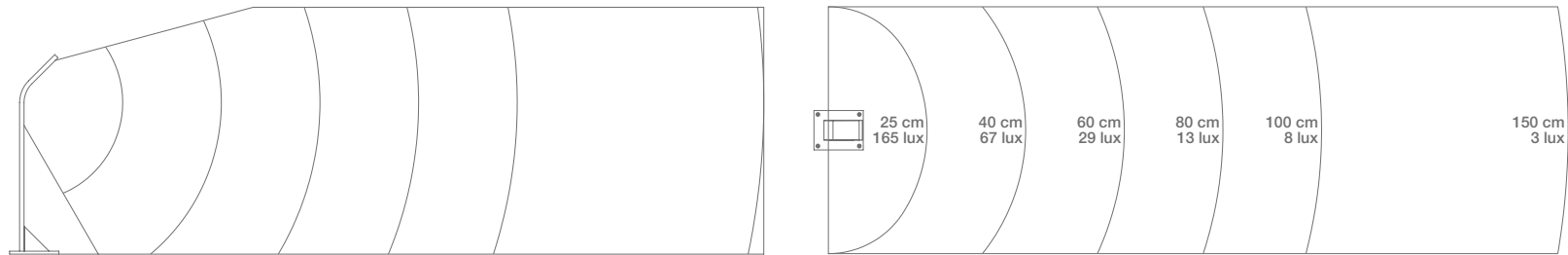
Garden lights with height 40 cm with front light
Completely made of aluminium
Replaceable led

DIMENSIONS



24-35Vdc
CRI>70
4400K
132lm
IP54
2W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

| CODE | DESCRIPTION | WEIGHT |
|--------|---|--------|
| STIKDW | Led garden light, version DOWN, color WHITE RAL 9010. H= 404 mm | 0,90kg |
| STIKDB | Led garden light, version DOWN, color BROWN RAL 8019. H= 404 mm | 0,90kg |
| STIKDD | Led garden light, version DOWN, color GREY RAL 7016. H= 404 mm | 0,90kg |

STIK S UP

LED GARDEN LIGHTS



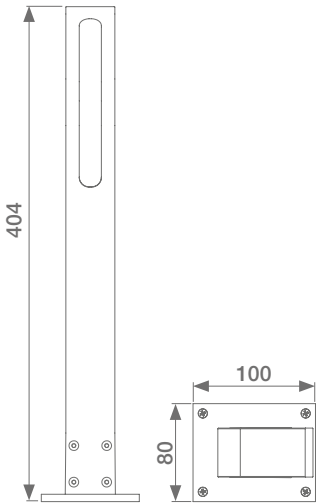
PLUS

Garden lights with height 40 cm with back light

Completely made of aluminium

Replaceable led

DIMENSIONS



24-35Vdc

CRI>70

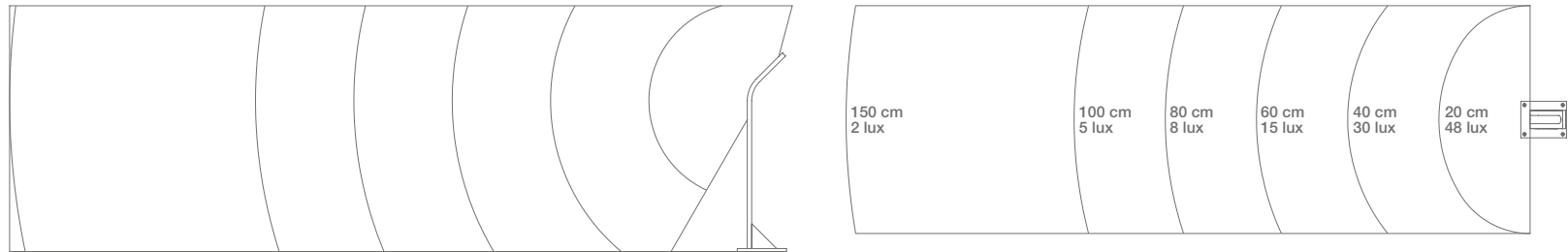
4400K

132lm

IP54

2W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

| CODE | DESCRIPTION | WEIGHT |
|--------|---|--------|
| STIKUW | Led garden light, version UP, color WHITE RAL 9010. H= 404 mm | 0,90kg |
| STIKUB | Led garden light, version UP, color BROWN RAL 8019. H= 404 mm | 0,90kg |
| STIKUD | Led garden light, version UP, color GREY RAL 7016. H= 404 mm | 0,90kg |

STIK M

LED GARDEN LIGHTS



PLUS

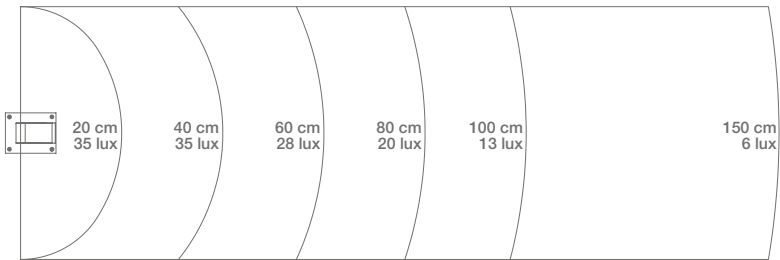
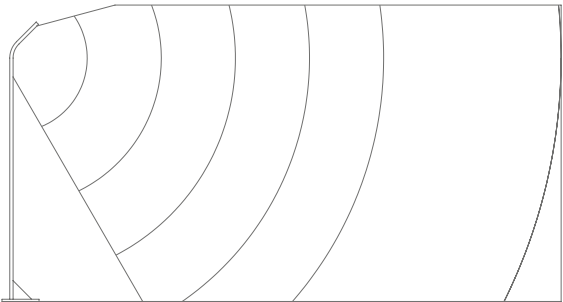
Garden lights with height 75 cm with front light
Completely made of aluminium
Replaceable led

DIMENSIONS



24-35Vdc
CRI>70
4400K
132lm
IP54
2W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

| CODE | DESCRIPTION | WEIGHT |
|--------|---|--------|
| STIKMW | Led garden light, color WHITE RAL 9010. H= 750 mm | 1kg |
| STIKMB | Led garden light, color BROWN RAL 8019. H= 750 mm | 1kg |
| STIKMD | Led garden light, color GREY RAL 7016. H= 750 mm | 1kg |

FLAT

LED GARDEN LIGHTS

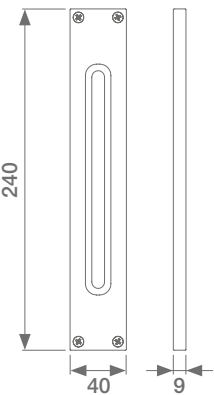


PLUS

Step lights, or for garage doors and pergolas

Completely made of aluminium

DIMENSIONS



24-35Vdc

CRI>70

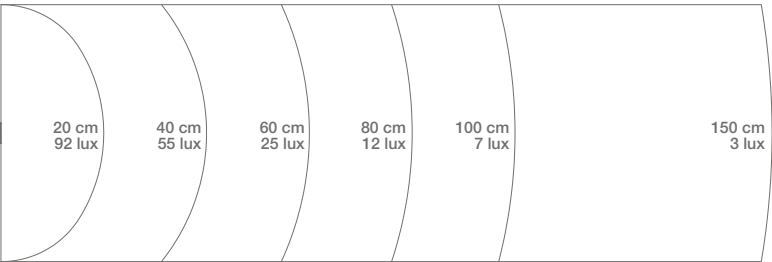
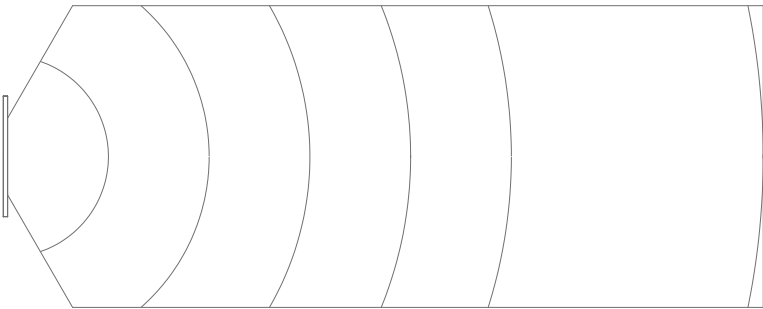
4400K

132lm

IP54

2W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

| CODE | DESCRIPTION | WEIGHT |
|--------|---|--------|
| STIKFW | Led garden light, color WHITE RAL 9010. H= 240 mm | 0,90kg |
| STIKFB | Led garden light, color BROWN RAL 8019. H= 240 mm | 0,90kg |
| STIKFD | Led garden light, color GREY RAL 7016. H= 240 mm | 0,90kg |

VERTICAL

LED GARDEN LIGHTS



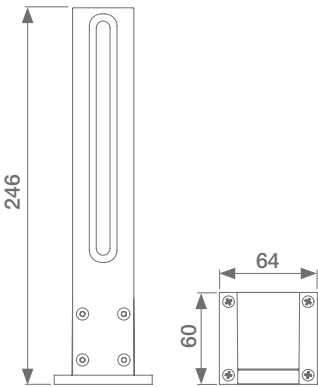
PLUS

Lights for pedestrian or vehicular premises, to be installed on top of the fence

Completely made of aluminium

Replaceable led

DIMENSIONS



24-35Vdc

CRI>70

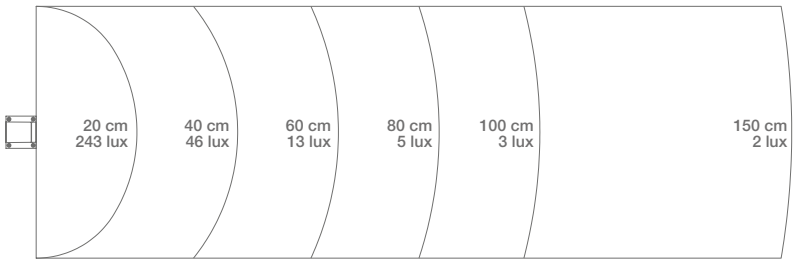
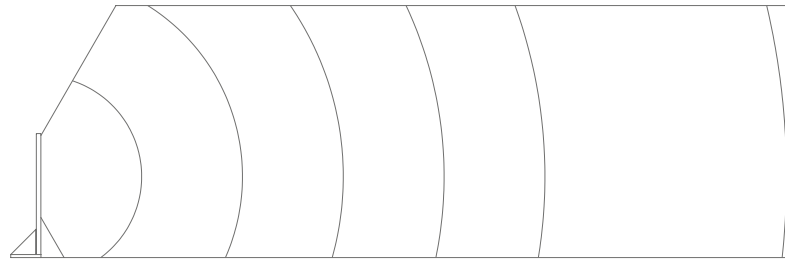
4400K

132lm

IP54

2W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

| CODE | DESCRIPTION | WEIGHT |
|--------|---|--------|
| STIKVW | Led garden light, color WHITE RAL 9010. H= 246 mm | 0,90kg |
| STIKVB | Led garden light, color BROWN RAL 8019. H= 246 mm | 0,90kg |
| STIKVD | Led garden light, color GREY RAL 7016. H= 246 mm | 0,90kg |

TOWER

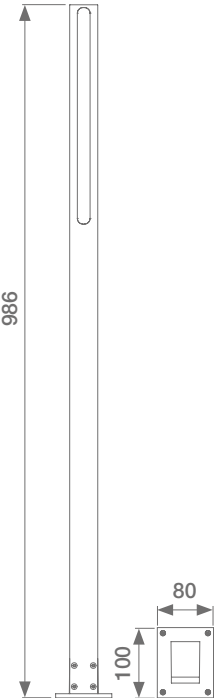
LED GARDEN LIGHTS



PLUS

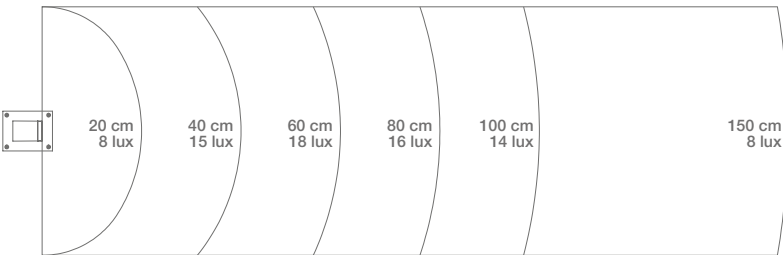
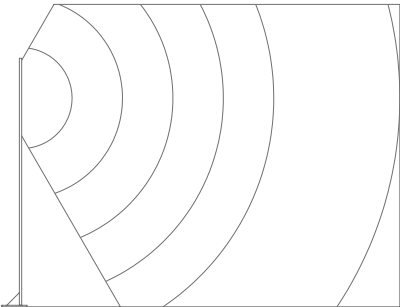
Lights with double led strip, suitable for parking lots and public areas
Completely made of aluminium
Replaceable led

DIMENSIONS



24-35Vdc
CRI>70
4400K
264lm
IP54
4W

PHOTOMETRIC



available colours:



WHITE RAL9010



BROWN RAL8019



GREY RAL7016

MODELS

| CODE | DESCRIPTION | WEIGHT |
|--------|--|--------|
| STIKTW | Led garden lights, color WHITE RAL 9010. H= 986 mm | 1,4kg |
| STIKTB | Led garden lights, color BROWN RAL 8019. H= 986 mm | 1,4kg |
| STIKTD | Led garden lights, color GREY RAL 7016. H= 986 mm | 1,4kg |

STELLA

LED GARDEN LIGHTS

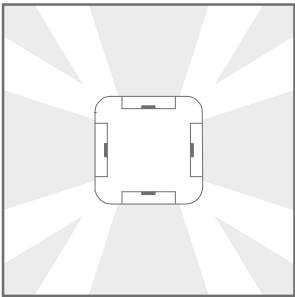


PLUS

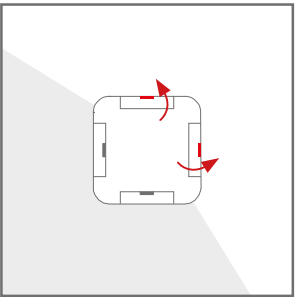
Led lights to light up large areas
Completely made of aluminium, H= 600 mm, 986 mm
Replaceable led

LIGHT BEAM CONFIGURABLE AT WILL

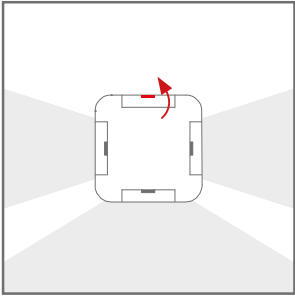
STANDARD



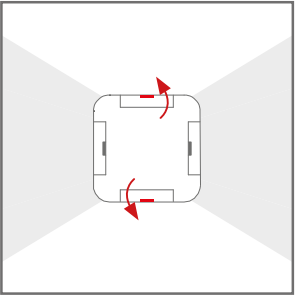
ANGULAR



LINEAR

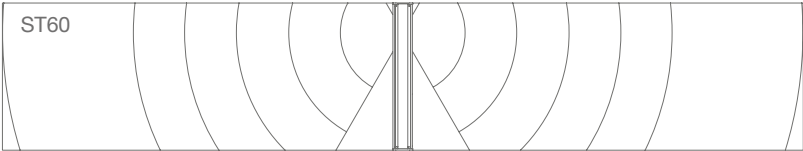
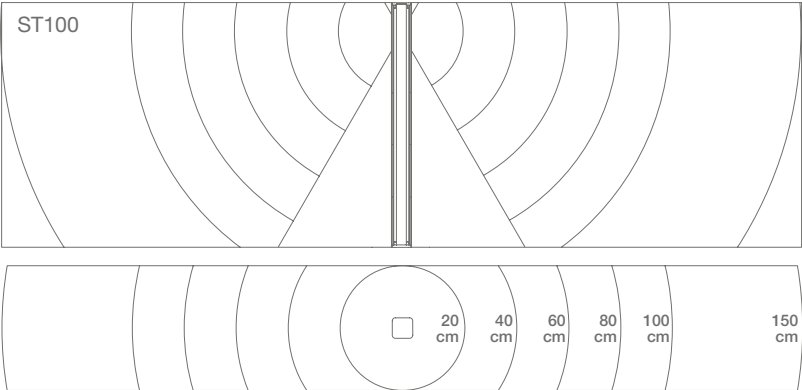


MIRRORED



24-35Vdc
CRI>70
4400K
264lm
IP54
8W

PHOTOMETRIC



| STANDARD CONFIGURATION | | | | | | |
|------------------------|----------|----------|----------|----------|---------|---------|
| | 20 cm | 40 cm | 60 cm | 80 cm | 100 cm | 150 cm |
| ST60 | 31,4 lux | 29,1 lux | 18,7 lux | 11,6 lux | 7,1 lux | 2,8 lux |
| ST100 | 5,5 lux | 8,2 lux | 9 lux | 8,4 lux | 6,7 lux | 3,7 lux |

MODELS

| CODE | DESCRIPTION | WEIGHT |
|-------|---|--------|
| ST60 | Led garden lights, color GREY RAL 7016. H= 600 mm | 3,7kg |
| ST100 | Led garden lights, color GREY RAL 7016. H= 986 mm | 5,1kg |

ACCESSORIES

FLAT



KSTI2
Pair of recessed boxes
PC 1



3MJ
Pre insulated self-stripping connector (max size 1,5 mm²)
PCS 50

STELLA



STI4
Counter plate grey RAL7016
PC 1



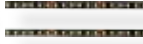
3MJ
Pre insulated self-stripping connector (max size 1,5 mm²)
PCS 50



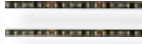
999LED
Pair of led lights neutral white (standard)
PC 1



999LEDW
Pair of led lights warm white
PC 1



999LEDB
Pair of led lights neutral white (standard)
PC 1



999LEDBW
Pair of led lights warm white
PC 1

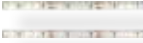
TOWER



KSTI1
Pair of tip for soil fixing
PC 1



3MJ
Pre insulated self-stripping connector (max size 1,5 mm²)
PCS 50



999LED2
Pair of led lights neutral white (standard)
PC 1



999LEDW2
Pair of led lights warm white
PC 1



999LEDB2
Pair of led lights neutral white (standard)
PC 1



999LEDBW2
Pair of led lights warm white
PC 1



STI3B
Counter plate brown RAL8019
PC 1



STI3D
Counter plate grey RAL7016
PC 1



STI3W
Counter plate white RAL9010
PC 1

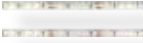
STIK M / STIK S



KSTI1
Pair of tip for soil fixing
PC 1



3MJ
Pre insulated self-stripping connector (max size 1,5 mm²)
PCS 50



999LED
Pair of led lights neutral white (standard)
PC 1



999LEDW
Pair of led lights warm white
PC 1



999LEDB
Pair of led lights neutral white (standard)
PC 1



999LEDBW
Pair of led lights warm white
PC 1



STI3B
Counter plate brown RAL8019
PC 1



STI3D
Counter plate grey RAL7016
PC 1



STI3W
Counter plate white RAL9010
PC 1

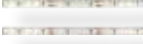
VERTICAL



KSTI1
Pair of tip for soil fixing
PC 1




3MJ
Pre insulated self-stripping connector (max size 1,5 mm²)
PCS 50



999LED
Pair of led lights neutral white (standard)
PC 1



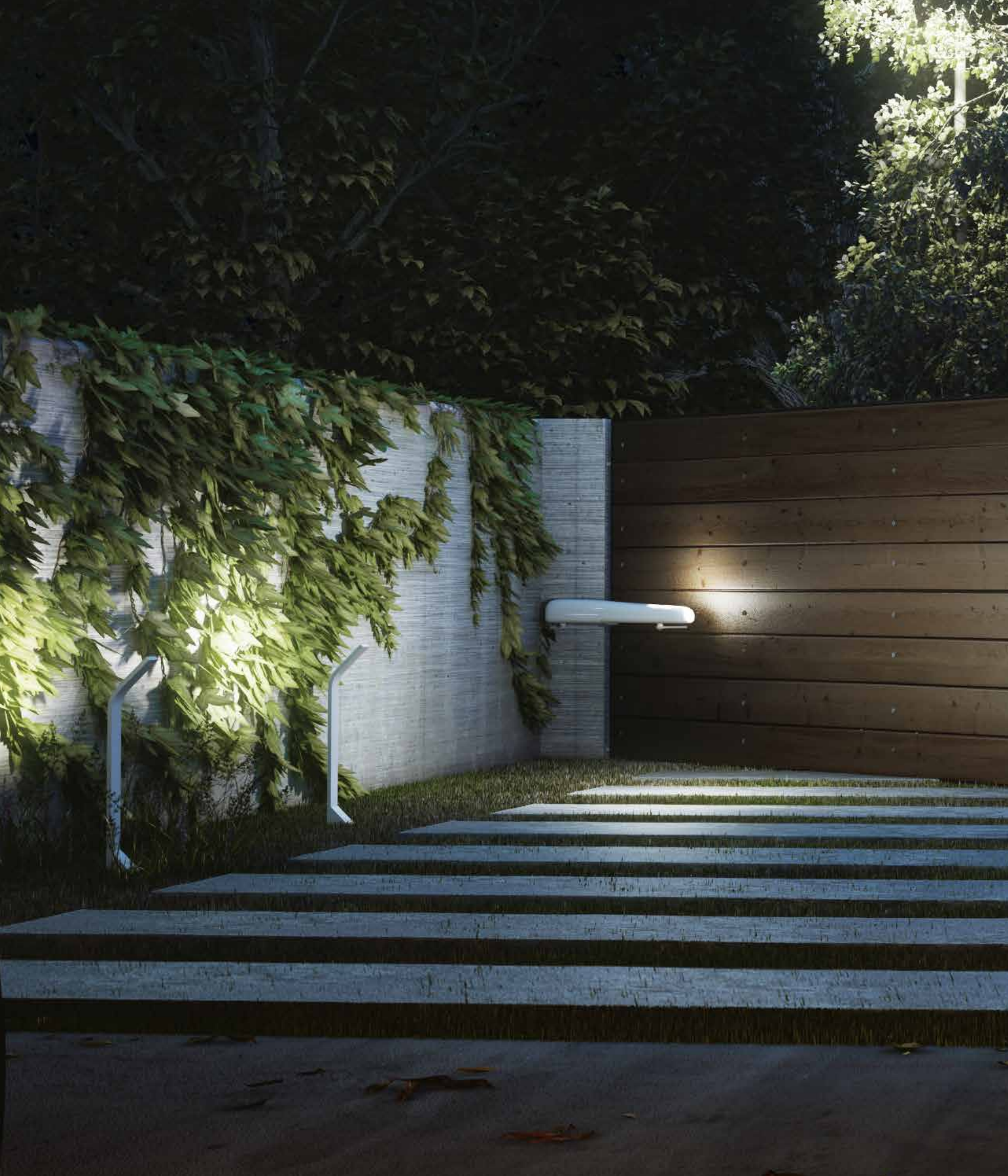
999LEDW
Pair of led lights warm white
PC 1



999LEDB
Pair of led lights neutral white (standard)
PC 1



999LEDBW
Pair of led lights warm white
PC 1



KEY ACCESSORIES

| | | | |
|------------------------|------------|------------------------------|------------|
| SMARTPHONE | 124 | CONTROL UNITS | 140 |
| KUBE PRO | 124 | 14A | 140 |
| KUBE | 125 | CT102 24 | 142 |
| | | CT202 24 | 143 |
| POWER SUPPLY | 126 | CT102 | 144 |
| SOLE | 126 | CT202 | 145 |
| | | CT-2 | 146 |
| TRANSMITTERS | 128 | RX2H/TX2B | 147 |
| SUB | 128 | CT1RD | 148 |
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KUBE PRO

SMARTPHONE PROGRAMMING MODULE FOR 14A CONTROL UNIT



| CODE | DESCRIPTION |
|---------|---|
| KUBEPRO | Smartphone programming module for 14a control unit (1 pc) |

PLUS

App specifically designed for professional installers, for configuring doors and gates

KEY CLOUD: a set of services for viewing and backing up data, for the management of your team and the planning of scheduled maintenance in time

Compatible with 14A control unit with firmware 3.0

Wireless Bluetooth technology 4.2 LE

Easy and fast configuration

App native for Android 5.0/iOS 9.3.5 or superior with multilingual support

Compatible with smartphone Android and Apple equipped with Bluetooth 4.0 LE

KUBE

MODULE FOR AUTOMATION CONTROL FROM SMARTPHONE



| CODE | DESCRIPTION |
|------|--|
| KUBE | Module for automation control from smartphone (1 pc) |

PLUS

- App specifically designed for end customers, for opening gates from a smartphone
- Able to control garden lights, and manage other users' access from the main smartphone
- Synchronisation of automation status with Cloud and Kube Pro installer app
- Compatible with 14A control unit with firmware 3.0
- Wireless Bluetooth technology 4.2 LE
- Easy and fast configuration
- App native for Android 5.0/iOS 9.3.5 or superior with multilingual support
- Compatible with smartphone Android and Apple equipped with Bluetooth 4.0 LE

SOLE

SOLAR POWER KIT FOR THE AUTOMATION OF ROAD BARRIERS AND GATES



COMPONENTS KIT



| | PF30W | BOX WITH CONTROL CARD (1 pc) | BATTERIES (2 pcs) | PANEL MOUNTING BRACKET (1 pc) |
|--------|---------|------------------------------------|----------------------|----------------------------------|
| PF30W | ● 1 PZ. | | | |
| SOLE | | ● | ● | ● |
| SOLEAU | | ● | | ● |

PLUS

- High quality batteries with AGM technology, capable of enduring numerous deep discharge cycles
- Stainless steel mounting kit design offers easy installation on fixed, flat or pole mount
- 30W solar panel and recharge controller for guaranteed reliable operation
- Rugged design to withstand high wind pressure, hail and snow load
- Most of the wiring is all done for you

- The Key Solar Kit is compatible with the following 24V motors:
- Sliding Gate Motors:
SUN series 24V, TURBO series 24V
- Swing Gate Motors:
RAY series 24V, Star series 24V, REVO series, MEWA series 24V, UNDER series 24V
- Barriers:
ALT series 24V

MODELS

| CODE | DESCRIPTION | WEIGHT | PCS PALLET |
|--------|---|---------|------------|
| PF30W | 30 W solar panel | 2,9 kg | |
| SOLE | Box with control card, two batteries and fixing hardware for solar panel | 16,8 kg | 16 |
| SOLEAU | Box with control card and fixing hardware for solar panel (without batteries) | 5 kg | 16 |

GENERIC DATA

SOLAR PANEL

| | | |
|-----------------------------|---------------|-----------|
| Model | SLP030W - 24V | |
| Peak Power (Pmax) | W | 30 |
| Voltage at Pmax (Vmp) | V | 34.4 |
| Current at Pmax (Imp) | A | 0.87 |
| Open circuit Voltage (Voc) | V | 43.2 |
| Short-circuit Current (Isc) | A | 0.96 |
| Working temperature | °C | -40 ~ +85 |

CASE WITH CONTROL CARD

| | | |
|--------------------------------|---------------------|--|
| PV voltage | V | ≤ 50 |
| Maximum current | A | 20 |
| Rated voltage | V | 24 |
| Wiring | PCB terminal, ≤6mm² | |
| Working temperature | °C | -20 ~ +50 |
| Storage temperature | °C | -30 ~ +60 |
| Working humidity | % | 10 ~ 90, no condensation |
| Plastic box dimension | mm | 316 (L) × 396 (A) × 188 (P) |
| Weight (box without batteries) | kg | 3 (Add 25kg for the approx batteries weight) |
| IP Code | 56 | |

BATTERIES COMPATIBILITY

MODEL

| |
|---------|
| GEL |
| Sealed |
| Flooded |
| User |

SUB

WATER RESISTANT 4 CHANNELS TRANSMITTER, 433 MHz



433 MHz

| CODE | DESCRIPTION |
|-----------|---|
| SUB-44WR | 4 channels, white colour, XR rolling code (1 pc) |
| SUB-44R | 4 channels, black colour, XR rolling code (1 pc) |
| CODE | DESCRIPTION |
| SUB44WF | 4 channels, white colour, XR rolling code, with on board receiver (1 pc) |
| SUB44F | 4 channels, black colour, XR rolling code, with on board receiver (1 pc) |
| CODE | DESCRIPTION |
| KSUB44WS | 4 channels, white colour, XR rolling code, with sequential codes for multiple addition (10 pcs) |
| SUB-44WRT | 4 channels, white colour, XR rolling code, with transponder (1 pc) |
| CODE | DESCRIPTION |
| SUB-44W | 4 channels, fix code, white colour (1 pc) |
| SUB-44WN | 4 channels, fix code copier, white colour (1 pc) |
| CODE | DESCRIPTION |
| KSUB44OR | Kit 10 SUB transmitters XR rolling code orange (10 pcs) |
| KSUB44BR | Kit 10 SUB transmitters XR rolling code blue (10 pcs) |
| KSUB44DR | Kit 10 SUB transmitters XR rolling code grey (10 pcs) |
| KSUB44MR | Kit 10 SUB transmitters XR rolling code magenta (10 pcs) |
| KSUB44RR | Kit 10 SUB transmitters XR rolling code red (10 pcs) |
| KSUB44GR | Kit 10 SUB transmitters XR rolling code green (10 pcs) |
| KSUB44WR | Kit 10 SUB transmitters XR rolling code white (10 pcs) |
| KSUB44-R | Kit 10 SUB transmitters XR rolling code black (10 pcs) |

PLUS

- Water resistant
- Ergonomic, simple and modern design
- Valuable materials and tidy details thanks to the new generation tri-injection molding process
- Metal chromed insert
- Different interchangeable colors



- 3 transmitters SUB (SUB-44WR white colour, SUB-44R black colour and SUB44MR magenta colour) rolling code, water resistant, 4 channels, 433 MHz
- 3 key rings (RING)
- 1 universal receiver 2 channels, rolling code, 1000 codes (RXM23Y)

ILSUB
PC 1

ACCESSORIES



KRING
Key ring

PCS 10

PLAY

4 CHANNELS TRANSMITTER, 433 MHz



| CODE | DESCRIPTION |
|---------|---|
| KPLAY4R | 4 channels, kit 2 transmitters in ABS, rolling code, inverted colours charcoal grey / light grey |
| KPLAY4F | 4 channels, kit 2 transmitters in ABS, rolling code with on board receiver, inverted colours charcoal grey / light grey |
| KPLAY4N | 4 channels, kit 2 transmitters in ABS, fix code copier, inverted colours charcoal grey / light grey |

PLUS

- New rolling code remote control with 4 channels
 - Simple, functional and ergonomic. Easy battery replacement
- The new remote control can manage any Key Automation installations, either pre-existing or new
 - Car sun visor holder included

XR CODE MANAGER

PALM PROGRAMMER FOR XR ROLLING CODE, 433 MHz



| CODE | DESCRIPTION |
|-------|---------------------------------------|
| XRMAN | Programmer for XR rolling code (1 pc) |

PLUS

The main features are:

- wireless programming of transmitters
 - programming of receivers
 - code visualization
 - addition of transmitters
 - cancellation of transmitters
 - read and copy of the receiver memory on the palm programmer and vice versa
- receiver lock
 - association of data at every code
 - multiple insertion

Software download at www.keyautomation.it

RX4Y

PLUG-IN RECEIVER, 433 MHz



| CODE | DESCRIPTION |
|------|--|
| RX4Y | 4 channels plug-in receiver, fix or rolling code, 1000 codes, green led, 433MHz (1 pc) |

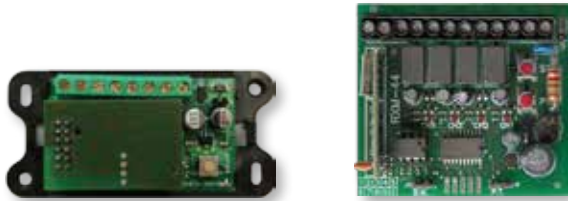
PLUS

Plug-in receiver, fixed or rolling code with automatic selection

4 channels output

Memory up to 1000 codes

UNIVERSAL RECEIVERS



RXM23Y

RXM-44R

| CODE | DESCRIPTION |
|---------|---|
| RXM23Y | Universal receiver 2 channels, fix or rolling code, 1000 codes (1 pc) |
| RXM-44R | Universal receiver 4 channels, rolling code, 220 codes (1 pc) |

| | | RXM23Y | RXM-44R |
|---------------------------|-----|--------------|----------------|
| ELECTRICAL DATA | | | |
| reception frequency | MHz | 433,920 | 433,920 |
| power | Vac | 12-24 ± 15% | 12-24 |
| | Vdc | 12-35 | 12-24 |
| idle consumption | mA | 45 | 70 |
| relay contacts max supply | A | 1 | 1 |
| GENERIC DATA | | | |
| protection degree | IP | 30 | 44 |
| dimensions (L - D - H) | mm | 85 - 40 - 25 | 130 - 80 - 120 |
| operating temperature | °C | -20 + 55 | -20 + 55 |

ECLIPSE

FULL LED FLASHING AND COURTESY LIGHT



| CODE | DESCRIPTION |
|---------|---|
| ECLIPSE | Led flashing and courtesy light with crepuscular sensor and built-in antenna (1 pc) |

| ECLIPSE | | |
|--|-----|---------------|
| MECHANICAL DATA | | |
| maximum cycle operation (led flashing) | % | 50/100 |
| maximum cycle operation (courtesy light) | % | 100 |
| ELECTRICAL DATA | | |
| power led flashing/courtesy light | Vdc | 24-35 |
| | Vac | 20-24 |
| absorbed courtesy light | W | 2 |
| absorbed led flashing | W | 3 |
| antenna frequency | MHz | 433,92 |
| GENERIC DATA | | |
| protection degree | IP | 44 |
| colour (led flashing) | - | amber |
| colour (courtesy light) | - | white |
| dimensions (L - D - H) | mm | 75 - 98 - 190 |
| operating temperature | °C | -20 + 55 |



Vertical installation on column



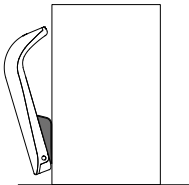
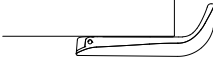
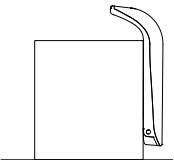
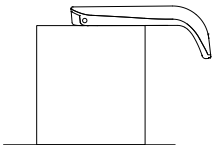
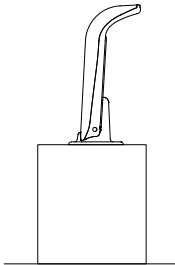
Horizontal installation on column

PLUS

New wall support

New generation Led flashing light made of high-technological materials molded with bi-injection process

Integrated antenna with radio board



Multiple positioning both horizontally and vertically

Flashing light with blinking amber color LED light when automation is activated

Courtesy light: fixed white led light commanded by an internal crepuscular sensor. Courtesy light is automatically activated independently from the automation (with 14A control board)



| CODE | DESCRIPTION |
|-----------|---|
| LUMY-24 | 24 Vdc flashing light, 25 W, with antenna (1 pc) |
| LUMY-230 | 230 Vac flashing light, 25 W, with antenna and internal board for flashing light control (1 pc) |
| LUMY-230E | 230 Vac flashing light, 25 W, with antenna (1 pc) |

ACCESSORIES



ANTS-433
433 MHz, aerial
with steel bracket
and 5 mrg-58
cable 5000 mm

PC 1



SULU
Support for LUMY

PC 1

SEKUR FT

PHOTOCELLS



FT32 FT22 FT42 FT42B

| CODE | DESCRIPTION |
|-------|--|
| FT32 | Pair of photocells for external use and flush mounting (1 pc) |
| FT22 | Pair of photocells for external use for small pillars (1 pc) |
| FT42 | Pair of photocells for external use adjustable through 180°, for small pillars (1 pc) |
| FT42B | Pair of photocells for external use adjustable through 180°, for small pillars, battery powered (1 pc) |

| | | FT32 | FT22 | FT42 | FT42B |
|---------------------------|-----|--------------|--------------|---------------|---------------|
| ELECTRICAL DATA | | | | | |
| power | Vac | 12-24 | 12-24 | 12-24 | 12-24 |
| | Vdc | 12-35 | 12-35 | 12-35 | 12-35 |
| range | m | 25 | 25 | 25 | 20 |
| consumption rx | mA | 27 | 27 | 27 | 35 |
| consumption tx | mA | 10 | 10 | 10 | 0,04 |
| relay contacts max supply | A | 1 | 1 | 1 | 1 |
| GENERIC DATA | | | | | |
| protection degree | IP | 54 | 54 | 54 | 54 |
| dimensions (L - D - H) | mm | 80 - 33 - 90 | 30 - 28 - 90 | 35 - 35 - 110 | 35 - 35 - 110 |
| operating temperature | °C | -20 + 55 | -20 + 55 | -20 + 55 | -20 + 55 |

PLUS

- New logic circuit with improved performance
- Snow function: photocell activates an adaptatively temporized mode, in case of frequent dimming or darkening, to avoid false obstacles detection
- Two programmable ranges

SEKUR CH

POSTS FOR PHOTOCELLS



CH-51

CH-101

| CODE | DESCRIPTION |
|--------|--|
| CH-51 | Pair of support posts H 50 cm, anodized aluminum (1 pc) |
| CH-101 | Pair of support posts H 100 cm, anodized aluminum (1 pc) |

ACCESSORIES



BAT-3
Kit battery for FT42B

PC 1



MUR-P
Plastic wall support for FT32

PC 1



SUMCH
Support head for photocell and key switch

PC 1



FT22
Pair of photocells for external use for small pillars

PC 1



SEL-M
Key switch, metal front, plastic back

PC 1



SEL-EU
Key switch with European cylinder, metal front and back

PC 1



SEL-W
Wired digital keypad, to be ordered together with DECSEL-W

PC 1



SEL-R
Wireless radio digital keypad, compatible with all rolling code receivers, batteries included

PC 1



SEL-T
Proximity sensor for transponder cards, to be ordered together with DECSEL-T
PC 1

SEKUR C

KEY AND DIGITAL SWITCHES



SEL-M



SEL-EU



SEL-W
SEL-R



SEL-T



BMET

| CODE | DESCRIPTION |
|--------|--|
| SEL-M | Key switch, metal front, plastic back (1 pc) |
| SEL-EU | Key switch with European cylinder, metal front and back (1 pc) |
| SEL-W | Wired digital keypad, metal front, plastic back, to be ordered together with DECSEL-W (1 pc) |
| SEL-R | Wireless radio digital keypad, metal front, plastic back, compatible with all rolling code receivers, batteries included (1 pc) |
| SEL-T | Proximity sensor for transponder cards and proximity tag, metal front, plastic back, to be ordered together with DECSEL-T (1 pc) |
| BMET | Metal box with release system (1 pc) |

| | | DECSEL-W | DECSEL-T |
|---|--|--------------------------------|----------------------------------|
| ELECTRICAL DATA | | | |
| power | Vac | 24 - 50/60 Hz | 24 - 50/60 Hz |
| | Vdc | 24 | 24 |
| absorption | mA | 100 | 15 (cards reader) - 70 (decoder) |
| keypad | Power supply connection of digital keypad and communication signal | | + |
| | + keypad power supply | | cards reader - connections |
| | - keypad power supply | | A decoder/reader |
| | S keypad/decoder communication bus | | B |
| N° outputs | | 1 (3A 120Vac/24Vdc, 1A 250Vac) | 1 (2A 120Vac/24Vdc) |
| maximum distance of keypad cables | m | 10 | 10 |
| N° of memorisable codes | | 50 | 500 (499 + 1 master) |
| N° of card readers connected to one decoder | | 1 | 2 |

ACCESSORIES



370BATDIG
Batteries kit for SEL-R

PC 1



DECSEL-W
Decoder for digital key pad SEL-W (max 50 memory codes)

PC 1



DECSEL-T
Decoder for proximity sensor for transponder cards SEL-T (max 500 memory codes)

PC 1



RXM23Y
Universal receiver 2 channels, fix or rolling code, 1000 codes

PC 1



SUB-44WRT
4 channels transmitter, rolling code, with transponder

PC 1



TAG
Proximity tag with key ring

PC 1

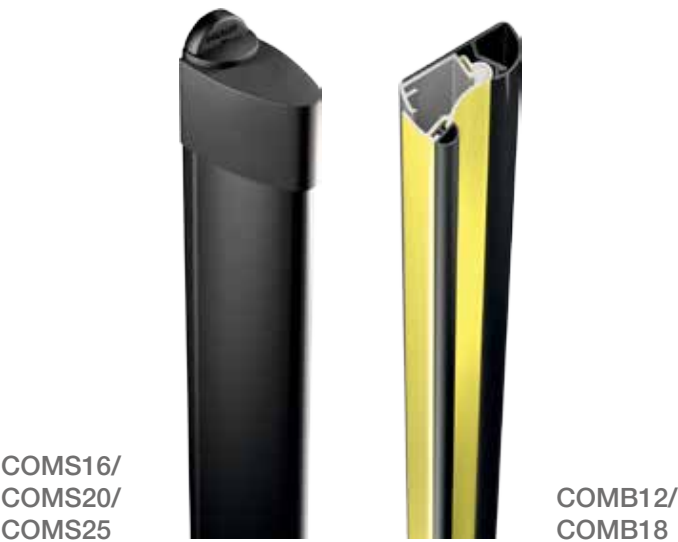


CARD
Transponder card

PC 10

SEKUR CO/COR

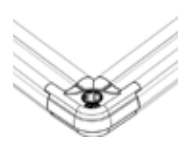
SAFETY SYSTEMS



| CODE | DESCRIPTION |
|--------|---|
| COMS16 | Mechanic safety edge, 1,6 m long for sliding gates. With micro-switches (1 pc) |
| COMS20 | Mechanic safety edge, 2,0 m long for sliding gates. With micro-switches (1 pc) |
| COMS25 | Mechanic safety edge, 2,5 m long for sliding gates. With micro-switches (1 pc) |
| COMB12 | Mechanic safety edge, 1,2 m long for overhead doors. With micro-switches (1 pc) |
| COMB18 | Mechanic safety edge, 1,8 m long for overhead doors. With micro-switches (1 pc) |


Control board and resistance not included. With line COMB pair: ANG, TAP, GIUN

ACCESSORIES




ANG
Pair of junction corners left/right

PC 1



TAP
Pair of caps left/right

PC 1

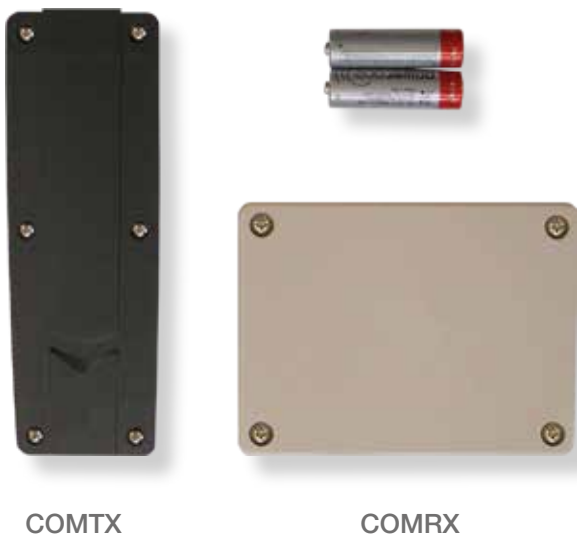


GIUN
Joints

PC 1

SEKUR CO/W

RADIO SAFETY EDGE SYSTEM, 868 MHz



| CODE | DESCRIPTION |
|-------|---|
| COMTX | 868MHz radio transmitter for safety edge (1 pc) |
| COMRX | 868MHz radio receiver for safety edge control (1 pc) |
| KCOMW | Radio transmitter and receiver kit with batteries included (1 pc) |

PLUS

Radio receiver-transmitter system for maximum safety and fast installation

Bidirectional 868MHz transmission

Up to 8 transmitters for each receiver

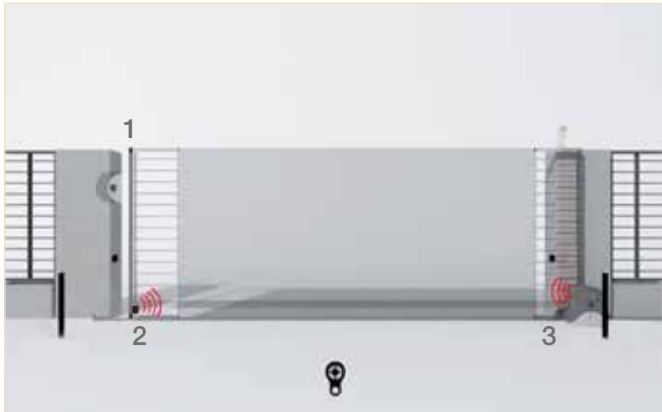
4 different frequencies to avoid interference

Possibility to connect mechanical or resistive safety edge 8.2kohm

Waterproof box

2 years battery lifetime (5 years with power saving mode)

STANDARD INSTALLATION



- 1 Edge system
- 2 Transmitter
- 3 Receiver



- 1 Edge system
- 2 Transmitter
- 3 Receiver



14A

24 Vdc CONTROL UNIT



Logic mainboard (MA24)



Display module (DYL)



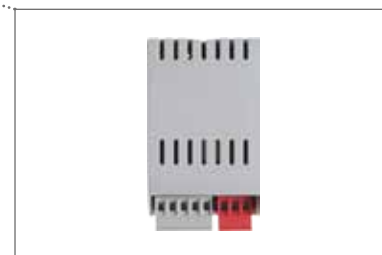
Control unit in box for 2 24Vdc motors (BOX250)



4 channels plug-in receiver (RX4Y)



Wireless module (KUBEPRO e KUBE)



24Vdc 10A power module (PO24)

 **IN ORDER TO PROGRAM CONTROL UNIT 14A YOU MUST HAVE THE DISPLAY DYL OR WIRELESS MODULE**

PLUS

New generation control unit “One For All” to control all 24Vdc automations

NIGHT LIGHT SYSTEM to control Led lights during night hours

14A main functions:

- possibility to combine the power modules according to the installation (1 or 2 motors)
- same programming for different systems
- wide display in different languages to program both the motor and the radio receiver
- compatible with main home automation systems
- amperometric obstacle detection with run inversion
- standard or programmable slowdown in opening and closing
- programmable automatic partial closing
- separate OPEN-STOP-CLOSE inputs and PP - PARTIAL input
- safety edge 8,2K ohm NC - photo 1 and photo 2
- inputs and safety devices LED visualization
- optional test for safety edge
- LED courtesy light output
- open gate indicator output
- plug-in programmable radio receiver 4 channels
- for motors with or without encoder
- flashing light output with user indicator
- electro lock output
- battery back-up optional

MODELS

| CODE | DESCRIPTION |
|---------|--|
| 14AB2 * | Control unit in box for two 24Vdc motors (without DYL and without receiver RX4Y) with transformer 250 VAmp (1 pc) |
| 14AB2F | Control unit in box for two 24Vdc motors (without DYL and without receiver RX4Y) with transformer 250 VAmp to be paired with fast line motors (1 pc) |
| MA24 | Logic mainboard (1 pc) |
| PO24 | Power module 24Vdc 10A (1 pc) |
| BOX250 | Box with transformer 250 VAmp (1 pc) |

* mandatory for motors RAY4024E, INT24, SN-50-24, SN5024B

| | | 14AB2 | 14AB2F |
|--------------------------|--------|-----------------|-----------------|
| ELECTRICAL DATA | | | |
| input power | Vac/Hz | 230/50 | 230/50 |
| output power accessories | Vdc | 24 | 24 |
| max motor power | W | 300 | 300 |
| max working time | sec | 240 | 240 |
| max pause time | sec | 900 | 900 |
| obstacle detection | | yes | yes |
| GENERIC DATA | | | |
| protection degree | IP | 54 | 54 |
| dimensions (L - D - H) | mm | 222 - 110 - 275 | 222 - 110 - 275 |
| operating temperature | °C | -20 + 55 | -20 + 55 |

ACCESSORIES



DYL
Display module
Cable length
120 cm

DISPLAY FUNCTIONS DYL:

- system programming
- radio codes programming
- diagnostics
- motor control
- multiple languages

PC 1



RX4Y
4 channels plug-in
receiver, 433MHz

PC 1



KUBEPRO
Wireless module
for programming

PC 1



KUBE
Module for
automation control
from smartphone

PC 1

CT102 24

24 Vdc CONTROL UNIT



| CODE | DESCRIPTION |
|----------|--|
| CT102 24 | For one motor for sliding gate, overhead door or electromechanical barrier, 24 Vdc, with electronic clutch and slowdown in opening and closing. Built-in receiver (1 pc) |

| CT102 24 | | |
|--------------------------|--------|---------------|
| ELECTRICAL DATA | | |
| input power | Vac/Hz | 230/50 |
| output power accessories | Vac | 24 |
| | Vdc | 24 |
| max motor power | W | 150 |
| max working time | sec | 240 |
| max pause time | sec | 0 - 900 |
| obstacle detection | | yes |
| GENERIC DATA | | |
| protection degree | IP | - |
| dimensions (L - D - H) | mm | 120 - 90 - 30 |
| operating temperature | °C | -20 + 55 |

| PLUS | |
|--|--|
| Same programming logic for all control boards CT102, CT202, CT102 24, CT202 24 with run inversion via software | Flashing light output fixed or flashing |
| Amperometric obstacle detection with run inversion | LED courtesy light output |
| Standard or programmable slowdown in opening and closing | Open gate indicator or electro lock output |
| Programmable automatic partial closing | 3 digits display |
| Separate OPEN-CLOSE inputs and PP - PARTIAL input | Optional photo test |
| Safety edge 8,2Kohm NC / stop - photo 1 and photo 2 | Optional test for safety edge |
| Inputs and safety devices LED visualization | Built-in receiver |
| | Possibility to memorize up to 150 codes |

CT202 24

24 Vdc CONTROL UNIT



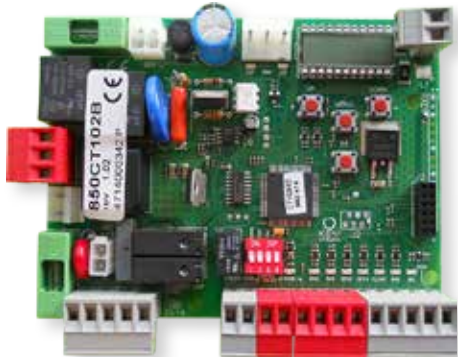
| CODE | DESCRIPTION |
|----------|--|
| CT202 24 | For two motors for swing gate, 24 Vdc, with electronic clutch and slowdown in opening and closing. Built-in receiver. In box (1 pc) |

| CT202 24 | | |
|--------------------------|--------|-----------------|
| ELECTRICAL DATA | | |
| input power | Vac/Hz | 230/50-60 |
| output power accessories | Vac | 24 |
| | Vdc | 24 |
| max motor power | W | 200 |
| max working time | sec | 240 |
| max pause time | sec | 0 - 900 |
| obstacle detection | | yes |
| GENERIC DATA | | |
| protection degree | IP | 54 |
| dimensions (L - D - H) | mm | 222 - 110 - 275 |
| operating temperature | °C | -20 + 55 |

| PLUS | |
|--|--|
| Same programming logic for all control boards CT102, CT202, CT102 24, CT202 24 with run inversion via software | Flashing light output fixed or flashing |
| Amperometric obstacle detection with run inversion | LED courtesy light output |
| Standard or programmable slowdown in opening and closing | Open gate indicator or electro lock output |
| Programmable automatic partial closing | 3 digits display |
| Separate OPEN-CLOSE inputs and PP - PARTIAL input | Optional photo test |
| Safety edge 8,2Kohm NC / stop - photo 1 and photo 2 | Optional test for safety edge |
| Inputs and safety devices LED visualization | Built-in receiver |
| | Possibility to memorize up to 150 codes |

CT102

230 Vac CONTROL UNIT



| CODE | DESCRIPTION |
|--------|---|
| CT102B | For one motor for sliding gate, overhead door, 230 Vac, with electronic clutch and connector for receiver, slowdown in opening and closing (1 pc) |

| CT102B | | |
|--------------------------|--------|---------------|
| ELECTRICAL DATA | | |
| input power | Vac/Hz | 230/50 |
| output power accessories | Vdc | 24 |
| max motor power | W | 700 |
| max working time | sec | adjustable |
| max pause time | sec | 0 - 900 |
| obstacle detection | | yes |
| GENERIC DATA | | |
| protection degree | IP | - |
| dimensions (L - D - H) | mm | 120 - 90 - 30 |
| operating temperature | °C | -20 + 55 |

| PLUS | |
|--|--|
| Same programming logic for all control boards CT102, CT202, CT102 24, CT202 24 with run inversion via software | Inputs and safety devices LED visualization |
| Amperometric obstacle detection with run inversion | Flashing light output fixed or flashing |
| Standard or programmable slowdown in opening and closing | LED courtesy light or open gate indicator output |
| Programmable automatic partial closing | 3 digits display |
| Separate OPEN - CLOSE inputs and PP - PARTIAL input | Optional photo test |
| Safety edge 8,2Kohm NC - STOP - photo 1 and photo 2 | Optional test for safety edge |
| | New plug-in radio receiver 4 channels RX4Y |

CT202

230 Vac CONTROL UNIT



| CODE | DESCRIPTION |
|-------|---|
| CT202 | For two motors for swing gate, 230 Vac, with electronic clutch and connector for receiver, slowdown in opening and closing (1 pc) |

| CT202 | | |
|--------------------------|--------|-----------------|
| ELECTRICAL DATA | | |
| input power | Vac/Hz | 230/50 |
| output power accessories | Vac | 24 |
| | Vdc | 24 |
| max motor power | W | 700+700 |
| max working time | sec | adjustable |
| max pause time | sec | 0 - 900 |
| obstacle detection | | yes |
| GENERIC DATA | | |
| protection degree | IP | 54 |
| dimensions (L - D - H) | mm | 222 - 110 - 275 |
| operating temperature | °C | -20 + 55 |

| PLUS | |
|--|--|
| Same programming logic for all control boards CT102, CT202, CT102 24, CT202 24 with run inversion via software | Flashing light output fixed or flashing |
| Amperometric obstacle detection with run inversion | LED courtesy light or open gate indicator output |
| Standard or programmable slowdown in opening and closing | Programmable electro lock timing |
| Programmable automatic partial closing | Pressure control for hydraulic motors |
| Separate OPEN - CLOSE inputs and PP - PARTIAL input | 3 digits display |
| Safety edge 8,2Kohm NC - STOP - photo 1 and photo 2 | Optional photo test |
| Inputs and safety devices LED visualization | Optional test for safety edge |
| | New plug-in radio receiver 4 channels RX4Y |

CT-2

230 Vac CONTROL UNIT



| CODE | DESCRIPTION |
|------|--|
| CT-2 | For two motors for swing gate, 230 Vac, with electronic clutch and connector for receiver (1 pc) |

| CT-2 | | |
|--------------------------|--------|-----------------|
| ELECTRICAL DATA | | |
| input power | Vac/Hz | 230/50 |
| output power accessories | Vac | 24 |
| max motor power | W | 700+700 |
| max working time | sec | 60 |
| max pause time | sec | 2 - 180 |
| obstacle detection | | - |
| GENERIC DATA | | |
| protection degree | IP | 54 |
| dimensions (L - D - H) | mm | 222 - 110 - 275 |
| operating temperature | °C | -20 + 55 |

| PLUS | |
|---|--|
| Easy programming with trimmers and dip-switches | Open gate indicator output |
| Simple and robust electronics | Flashing light and courtesy light output |
| Plug-in logic board | Electric limit switches |
| Led indicator of commands and safety devices | OPEN - CLOSE inputs |
| Adjustable electric clutch | Partial opening function |
| Plug-in radio receiver (RXI23Y) | |

RX2H / TX2B

MINIATURIZED HOME AUTOMATION CONTROL UNIT / RECESSED TRANSMITTER 2 CHANNELS



RX2H



TX2B

| CODE | DESCRIPTION |
|------|---|
| RX2H | Miniaturized control unit for management of awnings, shutters, and wireless lighting systems (1 pc) |
| TX2B | Recessed transmitter 2 channels (1 pc) |

| | | RX2H | TX2B |
|----------------------------|-----|--------------------------------------|--------------|
| ELECTRICAL DATA | | | |
| reception frequency | MHz | 433,92 | 433,92 |
| power RX2H | Vac | 230 | - |
| power TX2B | | - | CR2032 |
| range | m | 20 (indoor use) - 150 (outdoor use)* | - |
| relay contacts max supply | A | 5 (Cos φ=1) resistive load | - |
| relay contacts max voltage | W | 1100 | - |
| transmission power | dBm | - | +5 |
| GENERIC DATA | | | |
| protection degree | IP | 20 | 20 |
| dimensions (L - D - H) | mm | 42 - 21 - 36 | 42 - 21 - 36 |
| operating temperature | °C | -20 + 55 | -20 + 55 |

PLUS

RX2H

For the control of 230Vac/110Vac main voltage loads with power up to 1000W and 2 independent channels

Easy programming with led and buzzer

Memorize up to 30 transmitters

Internal connection plug

Manage two-time sensors for automatic switch-off

Maximum flexibility in the single control of two outputs with different modes: mono-stable, bi-stable, temporized, motor control

Possibility to combine with wired control points for lighting

TX2B

Recessed transmitter 2 channels

Lithium battery CR2032

Suitable for the main flush mounting boxes

* The estimated range has to be considered as purely indicative, since the reception is susceptible to interference due to other nearby devices operating at the same frequency as well as to the nature and disposition of any obstacles interposed between transmitter and receiver

CT1RD

230 Vac CONTROL UNIT



| CODE | DESCRIPTION |
|-------|--|
| CT1RD | For one motor for rolling shutter or sliding gate, 230 Vac, with electronic clutch, limit switch and receiver. In box (1 pc) |

| CT1RD | | |
|--------------------------|--------|----------------|
| ELECTRICAL DATA | | |
| input power | Vac/Hz | 230/50 |
| output power accessories | Vac | 24 |
| max motor power | W | 600 |
| max working time | sec | 180 |
| max pause time | sec | 120 |
| obstacle detection | | - |
| GENERIC DATA | | |
| protection degree | IP | 54 |
| dimensions (L - D - H) | mm | 160 - 90 - 200 |
| operating temperature | °C | -20 + 55 |

| PLUS | |
|---|------------------------------|
| Easy programming with trimmers and dip-switches | Flashing light output |
| On board radio receiver | Electric adjustment of power |
| Extractable radio memory | |
| Electric limit switches | |
| OPEN and STOP outputs | |
| Man present functions | |
| Partial opening function | |

CT-400

400 Vac CONTROL UNIT



| CODE | DESCRIPTION |
|--------|--|
| CT-400 | For one motor for sliding gate or industrial sectional door 400 Vac / 230 Vac motor and electronic clutch. In box (1 pc) |

| CT-400 | | |
|--------------------------|--------|-----------------|
| ELECTRICAL DATA | | |
| power | Vac/Hz | 400-230/50 |
| output power accessories | Vac | 24 |
| max motor power | W | 1500 |
| max working time | sec | 0 - 120 |
| max pause time | sec | 0 - 120 |
| obstacle detection | | - |
| GENERIC DATA | | |
| protection degree | IP | 54 |
| dimensions (L - D - H) | mm | 222 - 110 - 275 |
| operating temperature | °C | -20 + 55 |

| PLUS | |
|--|--|
| For industrial motors | Separate OPEN-STOP-CLOSE-PP-PARTIAL inputs |
| Suitable for intensive and long-lasting use | Programmable safety edge parameter |
| Compatible with receivers RXM23Y, RXM-44R | Open gate indicator output |
| Electronic obstacle detection with amperometric control | Photo test function |
| Equipped with internal brake and with function for external brake activation | Compatible both with monophasic 230V or three-phase 400V/230V motors |
| Closing after transit function | |

ACCESSORIES



RX4Y
4 channels plug-in receiver

PC 1



RXM23Y
Universal receiver 2 channels, fix or rolling code

PC 1



BOXKEY
Plastic box for two motors control unit

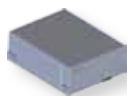
PC 1



BOXKEYS
Plastic box for one motor control unit

PC 1

24 Vdc ACCESSORIES



KBP
Battery back-up kit

PC 1



KITFIXBATT
Kit fixing batteries 24 Vdc (for BOXKEY)

PC 1

PROGRAMMABLE FUNCTIONS

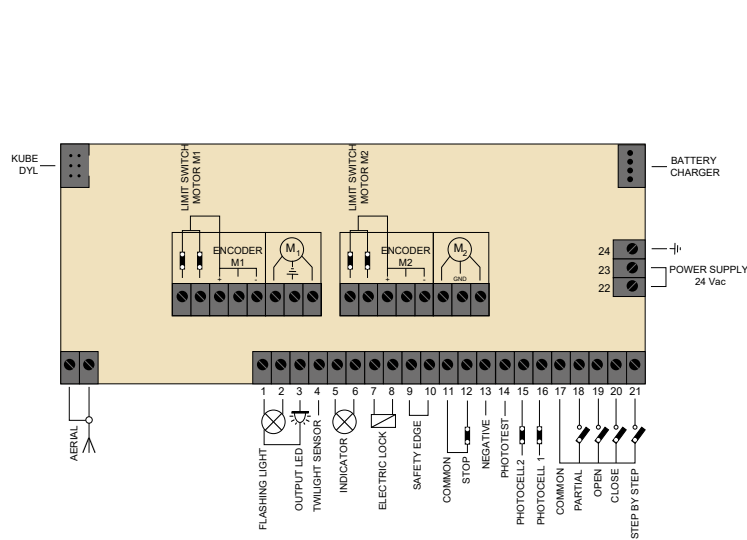
| motor power | 24 Vdc | | | 230 Vac | | | 400 Vac |
|---------------------|--------|---|-------|---------|---|-------|---------|
| motors number/light | 1 | 2 | LIGHT | 1 | 2 | LIGHT | 1 |
| 14A | • | • | • | | | | |
| CT102 24 | • | | | | | | |
| CT202 24 | | • | | | | | |
| CT102 | | | | • | | | |
| CT202 | | | | | • | | |
| CT-2 | | | | | • | | |
| RX2H | | | | • | | • | |
| CT1RD | | | | • | | | |
| CT-400 | | | | | | | • |
| GARDEN BOX | | | • | | | | |

PROGRAMMABLE FUNCTIONS

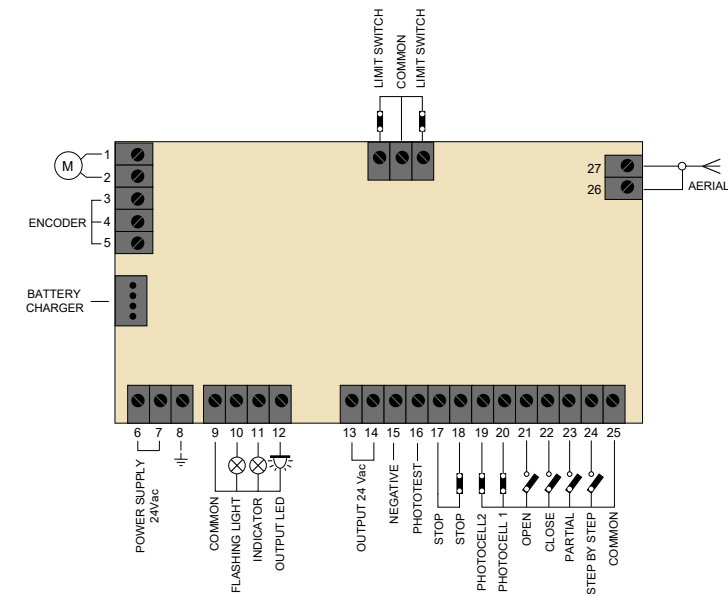
| | CT102 24 | CTVIPER | 14A | CT202 24 | CT1RD | CT102 | CT202 | CT-2 | CT400 | CT401 |
|--|----------|---------|-----|----------|---------|-------|-------|------|---------|-------|
| motor power | 24 Vdc | | | | 230 Vac | | | | 400 Vac | |
| motors number | 1 | | 2 | | 1 | | 2 | | 1 | |
| hold to run | • | | • | • | • | • | • | | • | • |
| semi-automatic functioning | • | • | • | • | • | • | • | • | • | • |
| automatic functioning | • | • | • | • | • | • | • | • | • | • |
| condominium function (only open) | • | • | • | • | • | • | • | • | • | • |
| pre-flashing | • | | • | • | | • | • | • | • | • |
| photo during opening | • | | • | • | | • | • | • | • | • |
| soft start | • | • | • | • | | • | • | | | |
| soft stop | • | • | • | • | | | | | | |
| courtesy light | • | • | • | • | | • | • | • | | |
| open gate light with proportional flashing light | • | | • | • | | • | • | • | • | • |
| slowdown function | • | • | • | • | | • | • | | | |
| water hammering | | | • | • | | | • | • | | |
| electric limit switch exclusion | • | | • | | • | | | • | | |
| temporary pause in opening | • | | • | • | | • | • | • | | |
| step by step function (open-stop-close-stop) | • | • | • | • | • | • | • | • | • | • |
| separate open and close | • | | • | • | • | • | • | • | • | • |
| working time extension | | | | | | | | • | | |
| pause time with presence detector | • | • | • | • | • | • | • | • | • | • |
| 1st motor delay during opening | | | • | • | | | • | • | | |
| brake | | | | | | • | • | | • | • |
| cycles counter | • | • | • | • | | • | • | | | |
| display | • | • | • | • | | • | • | | | |
| encoder | • | • | • | | | | | | | |
| close after passage | • | | • | • | | • | • | | • | • |
| partial opening | • | | • | • | • | • | • | • | • | • |
| elettro lock | • | | • | • | | | • | • | | |
| energy saving | • | | • | • | | | | | | |
| black-out settings | • | | • | • | | • | • | | | |
| safety edge connection | • | | • | • | | • | • | | • | • |
| obstacle detection | • | • | • | • | | • | • | | • | • |
| solar power supply | • | | • | • | | | | | | |

CONTROL UNITS ELECTRIC DIAGRAMS

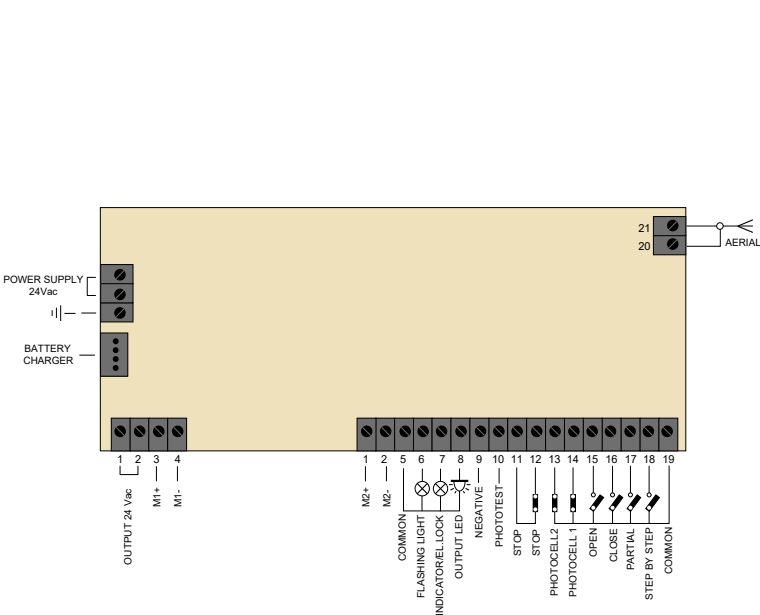
14A



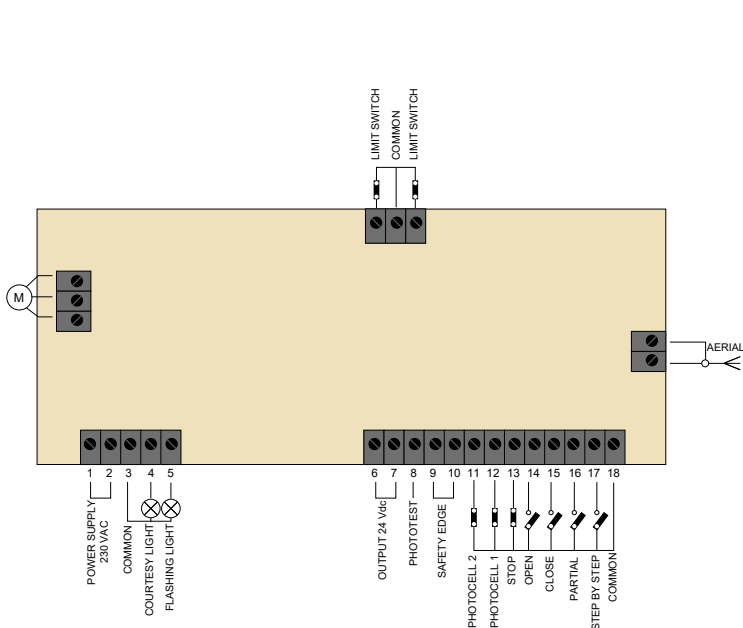
CT102 24



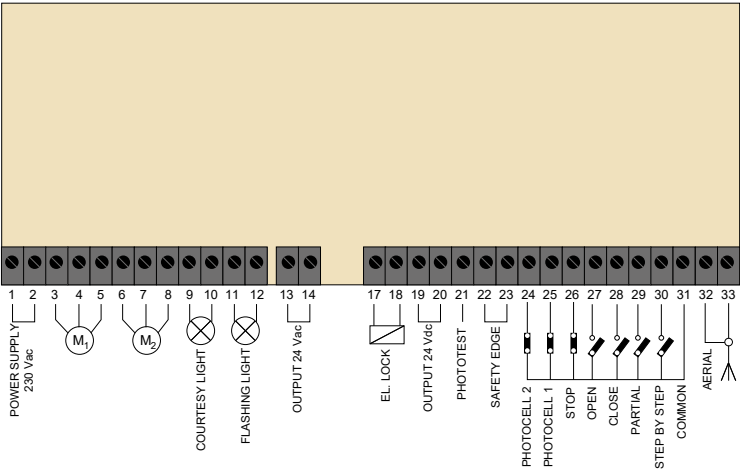
CT202 24



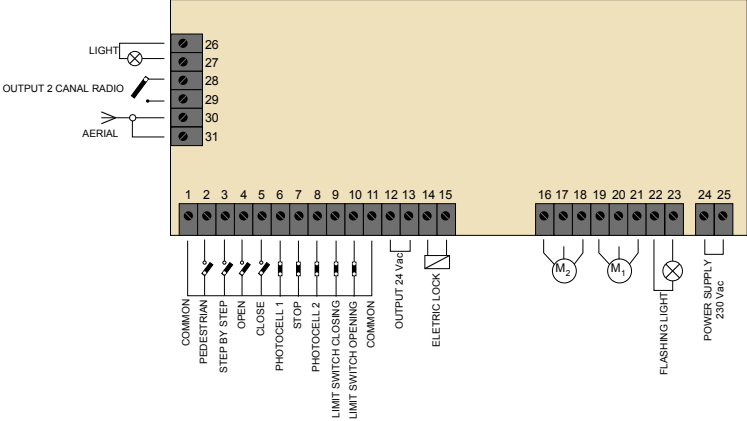
CT102



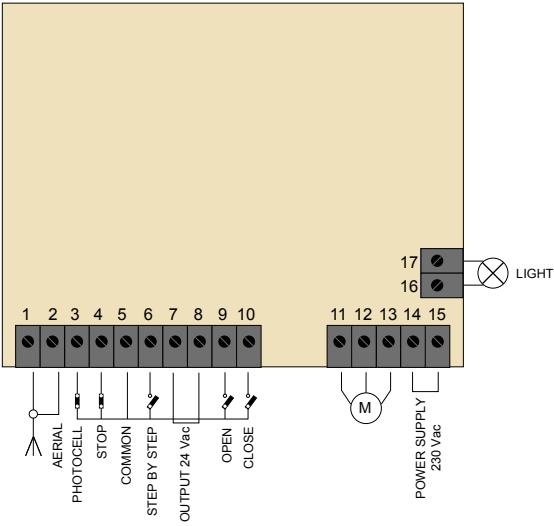
CT202



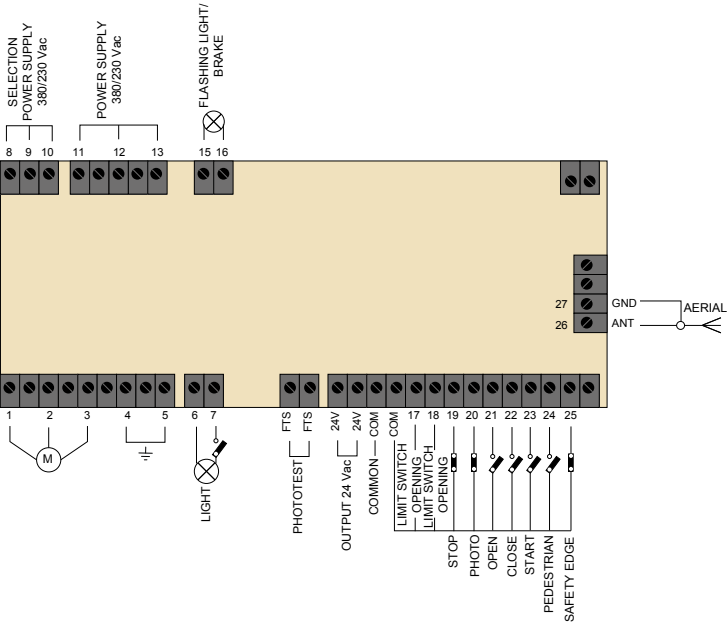
CT-2



CT1RD

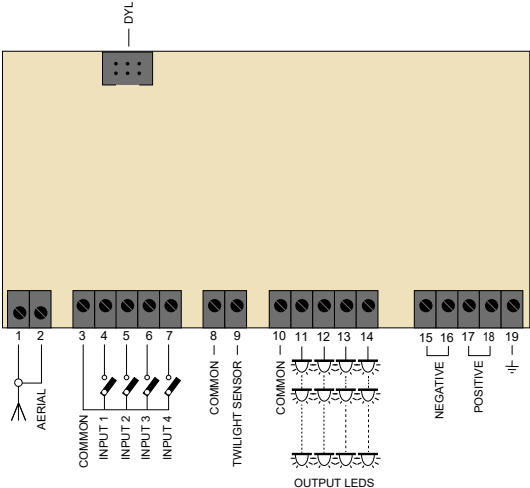
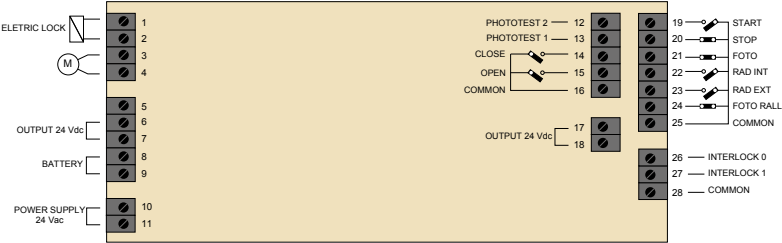


CT-400 - CT-401

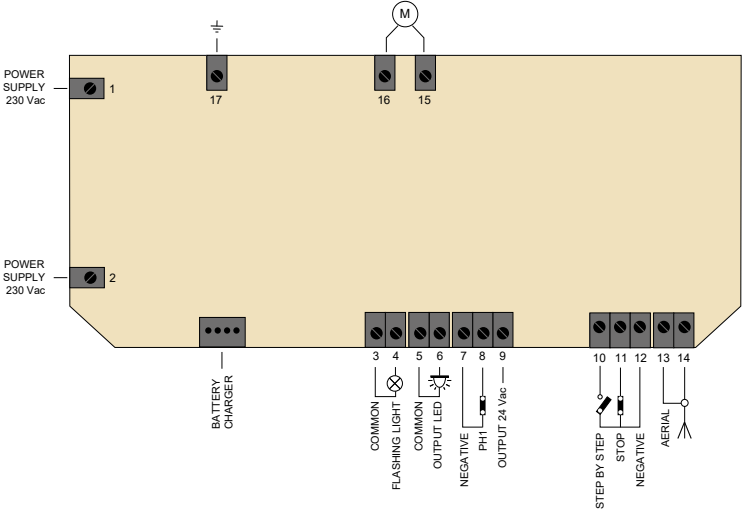


CT-PAE

GARDEN BOX



CT-VIPER



ALPHABETICAL LIST

| CODES | P. |
|---------------|-----|
| 14AB2 | 141 |
| 14AB2F | 141 |
| 370BATDIG | 136 |
| 3MJ | 120 |
| 480RM6Z12 | 73 |
| 520STAF029A00 | 55 |
| 520STAF032A00 | 17 |
| 600AD-PA | 92 |
| 999KRAYD | 17 |
| 999KREVOD | 27 |
| 999KSUND | 43 |
| 999LED | 120 |
| 999LED2 | 120 |
| 999LEDW | 120 |
| 999LEDW2 | 120 |
| 999LEDB | 120 |
| 999LEDB2 | 120 |
| 999LEDBW | 120 |
| 999LEDBW2 | 120 |
| ACSW002A00 | 85 |
| AD | 81 |
| ADFB | 17 |
| ADRB | 17 |
| ADUN | 37 |
| ADWA | 17 |
| ALT324KF | 79 |
| ALT424K | 79 |
| ALT624K | 79 |
| ANG | 137 |
| ANTS-433 | 133 |
| APFX | 81 |
| APM | 81 |
| AS-SNO3 | 80 |
| AST3F | 80 |
| ASTL4 | 80 |
| ASTL4J | 80 |
| AST5 | 80 |
| AST8 | 80 |
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GENERAL TERMS OF SALE

1. EFFECTIVENESS OF THESE GENERAL CONDITIONS OF SALE

These general conditions of Sale will replace all previous conditions and are applicable to all orders submitted to Key Automation Srl (hereinafter referred to as Key Automation) for products carrying the Key Automation trademark. All sales of goods by Key Automation to its Customers (hereinafter referred to as Customer) shall be governed by the following General Conditions of Sale, which shall constitute an integral part of any agreement for the sale of goods between Key Automation and Customer and shall supersede and cancel any inconsistent covenant or provision contained in the order or other document issued by the Customer. Illustrations, descriptions, values tables and other materials contained in Key Automation catalogues and other printed materials are for the sole purpose of identification and may be modified by Key Automation at any time without prior notice.

2. ORDERS

Any orders shall be deemed as issued “subject to availability of the goods and any alteration of the price lists”. Key Automation reserves the right to accept or reject, in whole or in part, any order submitted by the Customer, on account of their compliance with these General Conditions, and of the availability of the goods order. Key Automation reserves the right to change/modify the technical characteristics of its products at any time and without prior notice or liability. Orders placed by the customer cannot be cancelled by the Customer, either wholly or partially, after ten days of being submitted to Key Automation: if any orders are cancelled after such term, Key Automation shall be entitled to payment of the whole price.

3. PRICES

The goods shall be sold by Key Automation to Customer at the prices set out in the Key Automation price list effective at the time of delivery. The Customer shall unconditionally accept any variation of the price list made between the time of order and the time of delivery. Any new Key Automation price list cancels and substitutes the previous ones. All prices in the Key Automation catalogue are “ex-factory” and before tax.

4. DELIVERY TERMS

All goods shall be delivered “ex-factory” Key Automation S.r.l., via Meucci 30027 San Donà di Piave (Venezia). Except for different written agreement delivery terms are 10 days for National shipment and 30 days for International shipment, a part for products signed on price list with the clock on right part of paper, which have a delivery time of 6 weeks. Delivery terms start from customer acceptance of Key Automation order confirmation. In case of delay of delivery not exceed in customary allowances, the Customer shall not be entitled to claim for termination, in whole or in part, of the agreement, or to refuse to accept delivery of the goods, or to claim compensation for damages. The obligation to deliver the goods shall be fulfilled upon delivery of the goods to the carrier. Key Automation shall be released from the obligation to deliver the goods in any event of “Act of God” or “force majeure”, such as strikes, social and political disorders, unavailability of raw materials, electrical components or other products, and any other events preventing Key Automation from delivering the goods, for which Key Automation.

5. SHIPMENTS

The goods shall be shipped on such carrier(s) as Key Automation may select, and Key Automation shall charge the relevant amount to the Customer including in the relevant invoice. The customer may agree with Key Automation at the time of order, to use a different carrier (always at the customer costs, or to collect the goods directly ex-factory Key Automation S.r.l., San Donà di Piave, Venezia. All risks shall pass to the Customer at the time of delivery. Thefts, losses, damages, shortfalls shall not release the Customer from the obligation to pay the price, if the goods have been duly delivered to the carrier at Key Automation factory. The goods shall not be covered by insurance, unless expressly required by the Customer and at Customer's cost and risk.

6. COLLECTION OF THE GOODS

The Customer shall properly collect the goods as soon as they are put at the Customer's disposal, and communicated to him through telephone, fax or e-mail. In case of delay, Key Automation shall be entitled to full payment of the price and reimbursement for any cost of storage and custody of the goods, saving any compensation for damages. Key Automation shall not be liable in respect of any damage resulting directly or indirectly from the storage of any goods not collected when available at the Key Automation warehouses of the carrier, forwarding agent or third parties.

7. WARRANTY

Our guarantee takes effect from the date of manufacturing, put on each Key's product and it lasts for 30 months. This warranty period is fix and imperative. It is limited exclusively to the repair or replacement free of charge of the parts recognised by Key Automation as faulty due to lack of essential qualities in the material or to errors in workmanship. Any complaints about apparent defects shall be claimed to Key Automation compulsory no later than 8 days after delivery and occult defects within 8 days from discovery. If these terms are not respected the warranty is not be valid. Complaints never allow the order reducing or cancellation from Customer, and moreover never allow Key Automation refund or compensation. All expenses related to delivery and dispatch of complained material are charged to the customer.

Key Automation shall not be responsible for any direct or consequential damage or inquiry caused by installation and use of any equipment. In the event of totally or partially irreparable equipment, Key Automation shall arrange for its replacement in the state in which it is or, upon explicit request of the customer, shall repair the same by replacing the irreparable parts, charging the customer with the whole cost of the new parts supplied. Key Automation shall not be held responsible for defects resulting from connection, combination, or interaction of its products with other products not supplied by Key Automation. Key Automation products can only be used in combination with other Key Automation's products, failing which this warranty will cease to be effective. Key Automation disclaims all liability for defects or damage resulting from failure to comply with its assembly and wiring instructions, or with any electrical codes or other regulations locally in force at the time of installation. Moreover the Manufacturer disclaims all responsibility for defects or damage resulting from improper installation, use or connection of any accessories and or electrical or mechanic components manufactured by Key Automation, including failure to comply with the diagrams and types of connections for which these products have specifically been designed, as well as for the use or application of these products for purposes other than those for which they are intended, in compliance with their specific capacity and range. For products longer covered by this warranty Key Automation shall provide repair services, charging the related costs to the Customer. In case of products that cannot be repaired, Key Automation shall, at its sole discretion, replace them, and charge related costs to the Customer.

8. COMPLAINTS AND RETURNED GOODS

Before sending back any item to Key Automation, a request must be forwarded through the Return Material Authorization (RMA) portal at <http://rma.keyautomation.it> after the approval of the return, you will receive an ID number for the management of the return; if you still do not have an account, create one by clicking on "Register", and provide all the information requested. The registration implies the acceptance of the conditions in all its parts (available at <http://rma.keyautomation.it/ReturnPolicy>)

9. CANCELLATION CLAUSE

If the customer fails to pay the total price of goods or even a part of it by the previously agreed expiration date specified in the invoice, Key Automation will be entitled to cancel the right of goods receipt by the customer, cancel the sale and moreover charge the customer with interests on arrears in equal measure to standard norms and not inferior to current bank interests. Key Automation is also entitled to cancel the sale at any moment by simply forwarding a written notice of cancellation to the customer without the involvement of any juridical court. Goods that have been delivered to customers but not paid completely should be given back to Key Automation on customer's charge. In order to do so, Key Automation and any other entitled third party or carrier are authorized to demand and retire unpaid goods from customer's facility. It is not possible to make any compensation payments between possible credit claims by the customer and its debts with Key Automation unless otherwise agreed by Key Automation and formalised in writing.

10. TRADEMARKS AND DISTINCTIVE MARKS

The customer is aware of the fact that Key Automation products are subjected to both the know-how and design intellectual ownership right which is an exclusive industrial property of Key Automation. Customers shall not violate the rights of Key Automation by removing, covering or in any way changing trademarks, distinctive marks or labels and the like attached to products and shall not apply there on new trademarks, distinctive marks or labels and the like of any kind. Unless written authority is given by Key Automation to the contrary any form of reproduction uses by the Customer of the Key Automation trademark, logos, emblems, symbols and the like attached to or applied on the products is forbidden.

11. RETENTION OF TITLE

Notwithstanding any other provision contained herein, it is acknowledged and agreed that ownership of the goods shall pass to the Customer only upon full payment of the total price; therefore until full payment (including interest) is received by Key Automation, the goods delivered - wherever they may be held and even if they have already been resold by the Customer - shall remain the sole and exclusive property of Key Automation.

Any cheques, bills of Exchange and transfer of credit will count as payment only upon collection. In the event of non - payment, Key Automation shall be entitled to immediate repossession sold products wherever they may be located. The Customer shall disclose the names of any third purchasers of the products, from whom Key Automation shall be entitled to claim and collect them

12. ITALIAN LAW AND COMPETENT COURT

The place of jurisdiction for any dispute that may rise in relation to the performance of the contract is the Law Court of Venezia (Italy).

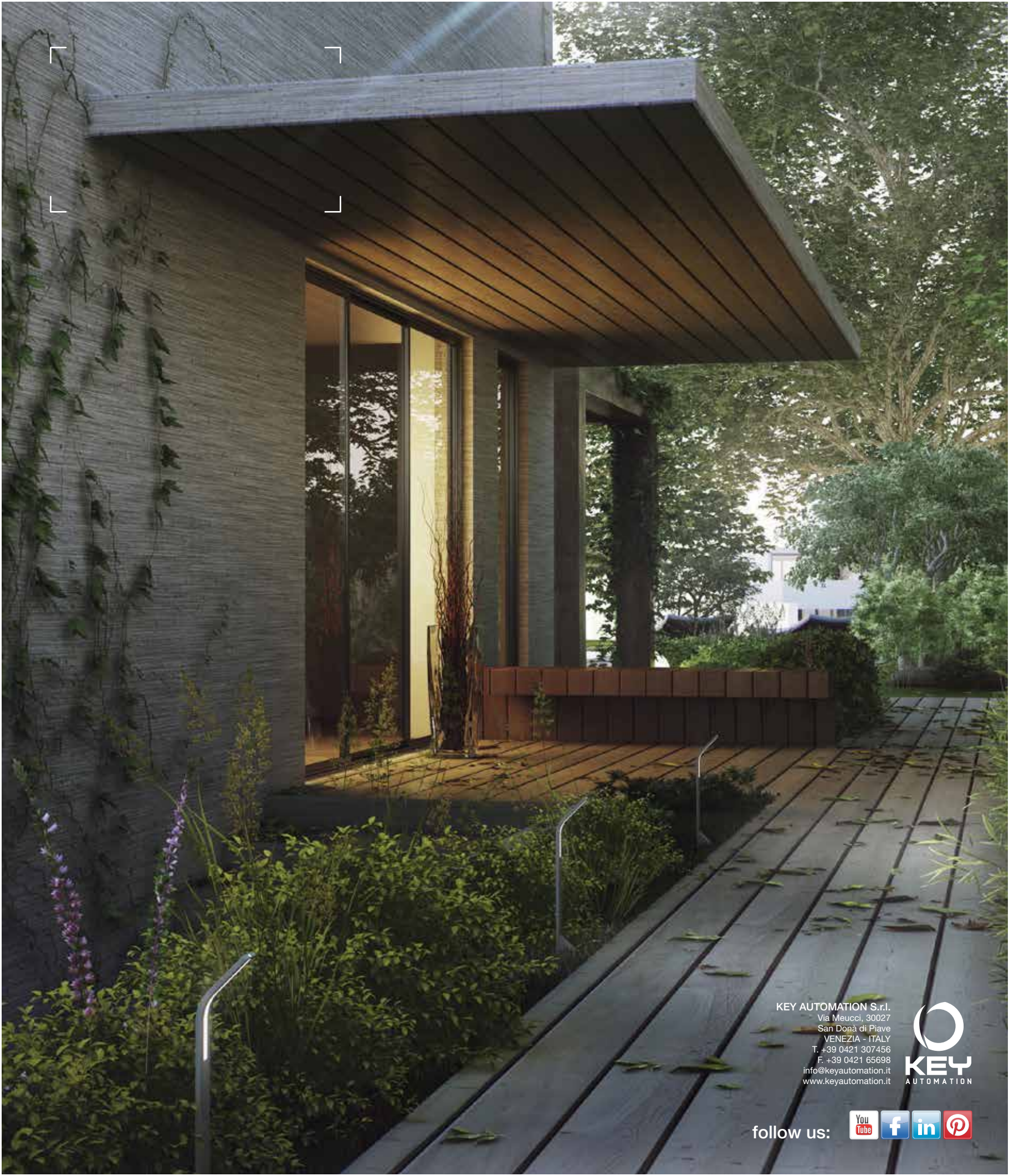
13. VARIOUS

At the time of signing the contract or order confirmation, the Customer accepts these general terms. Any modification to the general terms must be signed by Key Automation and stipulated in written form. For sales made in foreign countries, Italian law will be applied.

All information has been listed and carefully checked by Key Automation, but the company decline any kind of responsibility for possible mistakes or omissions.



New Products Concept and Design:
Nicola Michelin
R&D Key Automation
Catalogue Concept:
Marketing Key Automation



KEY AUTOMATION S.r.l.
Via Meucci, 30027
San Donà di Piave
VENEZIA - ITALY
T. +39 0421 307456
F. +39 0421 65698
info@keyautomation.it
www.keyautomation.it



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