



KEY
AUTOMATION

GATES AND DOORS AUTOMATION 2026

www.keyautomation.com



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Research and Development: Key Automation
Catalogue Concept: Marketing Key Automation

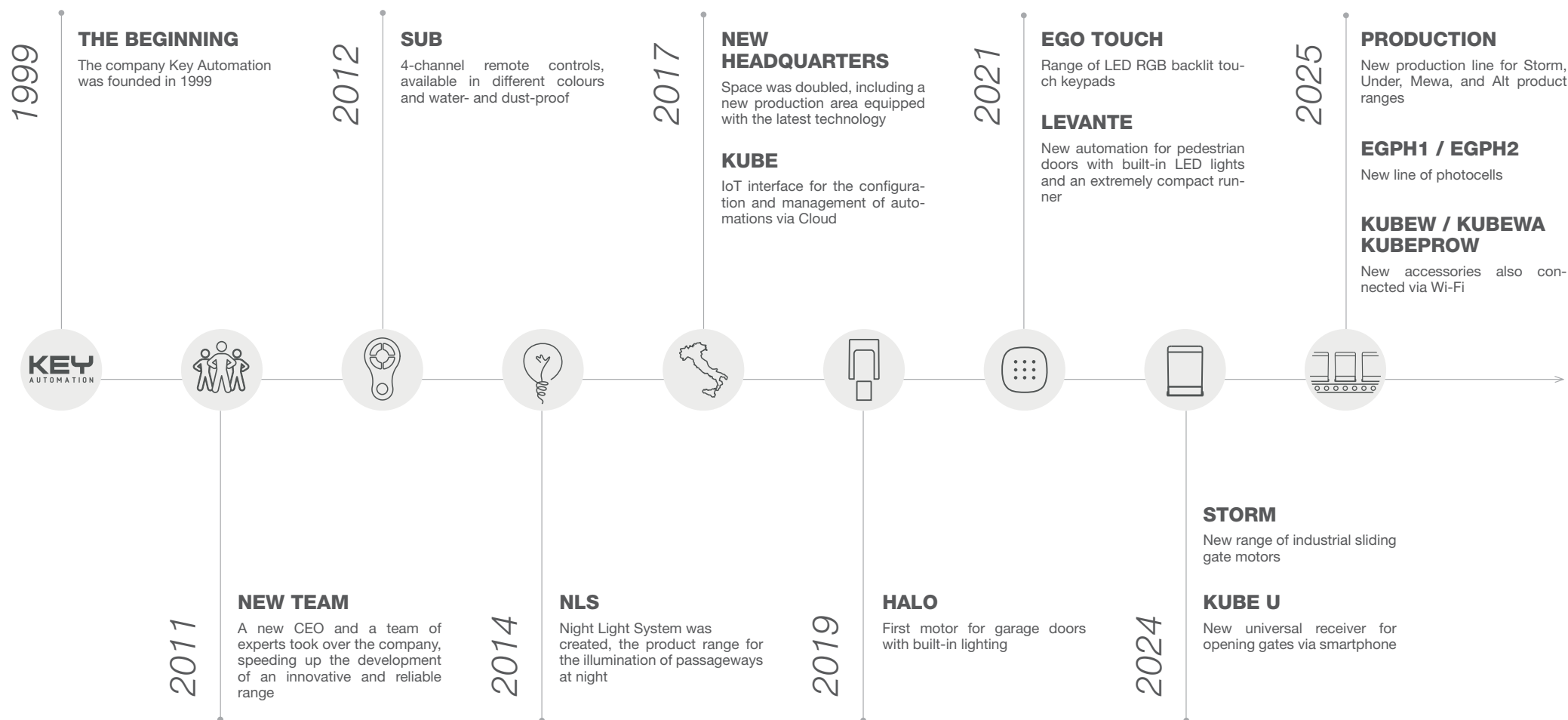


GATES & DOORS CATALOGUE 2026

Automations for gates, garage doors, pedestrian doors,
road barriers and outdoor LED lighting

01 WHO WE ARE

KEY AUTOMATION

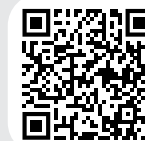


 **MADE IN ITALY**



KEY AUTOMATION

Watch the presentation video



HISTORY

Key Automation is located in San Donà di Piave, Venice, in the heart of the Veneto region

The quality of products and processes is our focus. To maintain consistency over time, we have invested in research and development, internalizing all the know-how required for product design, from mechanics to electronics, IoT software, and design

KEY TODAY

We provide a technologically advanced, comprehensive range, that is easy to program and use. We assemble our products in-house and test all production processes to provide our partner customers with an optimum service and high-quality products

In 2017 we opened the new plant, doubling the space compared to the previous site. This modern building accommodates final product assembly, using all the modern approaches pioneered by Industry 4.0

Our testing machines control 100% of in-house production, to deliver quality at the highest level



02 *ENERGY SAVING* ENERGY SAVING IN STANDBY MODE

Energy Saving⁺

The new European Commission Regulation (EU) 2023/826 establishes new ecodesign requirements for energy consumption in "off," "standby," and "networked standby" modes.

The regulation aims to limit the environmental impact of electrical and electronic equipment placed on the European Union market through a series of energy efficiency standards.

Key Automation has adapted its range of residential products to comply with these regulations and ensure significant energy savings for end users.

Thanks to the **new standby mode**, end users can save:

Up to 55 kWh/
year

and approximately €24.00/
year saving with transformers
up to 150 VA*

Up to 65 kWh/
year

and approximately €29.00/
year saving with transformers
over 150 VA*

*Values calculated on average electricity costs with a tariff of €0.5/kWh, excluding additional costs.





This symbol indicates products in the low-power consumption range.



ELECTRICITY
INPUT



STAND-BY
MODE



MINIMUM ELECTRICITY
CONSUMPTION

CHOOSE THE ENERGY EFFICIENCY OF
KEY AUTOMATION

KEY
AUTOMATION

 Energy **Saving⁺**

03 *OUR COMPETITIVE ADVANTAGES* **MECHANICS**





ROBUST AND DURABLE MECHANICAL ENGINEERING

Our products are made with the highest quality materials

For demanding or heavy-duty applications, we only use steel and bronze billet gears, oversized electric motors, ball bearings and high-performance lubricants

Die-cast aluminium shells are dimensioned to protect mechanisms over time, even from accidental damages. For plastics, we use premium materials, such as ASA and PMMA®, so they will not yellow or fade over time

To appreciate our mechanical engineering quality, we invite you to weigh one of our motors against a comparable one from our competitors

04 *OUR COMPETITIVE ADVANTAGES* **ELECTRONICS**



CUTTING-EDGE ELECTRONICS

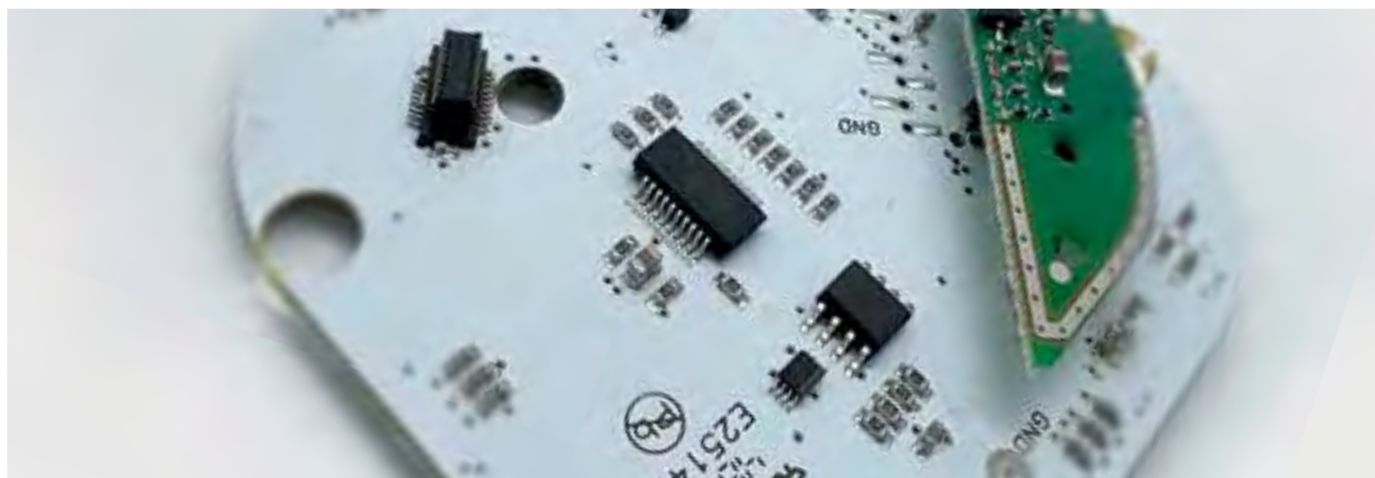
All electronic development is carried out in-house - from board design, to the selection of the best and newest components, to the development of production test benches, which are required to maintain consistent quality standards in series production

Control firmware for microcontrollers is designed and developed entirely through extensive in-house expertise in order to ensure that our systems are stable over time, resistant to external influences and easy to use for both the professional and the end user

We were among the pioneers in introducing a connected system to remotely program, control and monitor automation systems, with parameters being backed up in the cloud

These technologies are also 100% in-house created





05 OUR COMPETITIVE ADVANTAGES TECHNOLOGY



14A - ONE FOR ALL

ONE CONTROL UNIT FOR ALL 24 Vdc AUTOMATION SYSTEMS

Option to select and combine power modules according to your needs

Night light management up to 20W

Same programming for all motors

Programming using KUBEPROW wireless module

LED indicator for inputs and safeties

Removable DYL programming display to protect the automation system

CLOUD back-up of installation parameters



KUBE SMART



CUTTING-EDGE TECHNOLOGY

INTERNAL DESIGN AND ENGINEERING

At Key Automation, we are committed to ensuring the highest quality and consistency in every aspect of the creative and design process. From the initial idea to the final implementation, our in-house team of designers and programmers is dedicated to creating beautiful, easy and intuitive digital experiences.

The design, programming and graphic creation of the app interfaces, both for the user experience (UX) and for the user interface (UI), are all managed in-house. This approach allows us to maintain strict control over every phase of the project, ensuring that our creations are always geared towards the needs of both installers and end users.

We are committed to offering intuitive, functional and state-of-the-art solutions without ever neglecting the aesthetic side that has always distinguished us

05 OUR COMPETITIVE ADVANTAGES INNOVATION



NIGHT LIGHT SYSTEM

THE EVOLUTION OF AUTOMATION FOR DOORS AND GATES

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

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 property

COMFORT

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

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 1 Euro 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 system for swing gates (Ray, Révo), consisting of three courtesy lights set at medium-high power, switched on constantly for 12 hours a day, every day of the year, with an energy cost equal to 0.10 euro/Kw (average price of the share of energy of one kWh for residential domestic use for a 3kWh utility, in the F2/F3 band, data for Italy 2024)

06 NEW ITEMS IN THE CATALOGUE

STORM



STORM

Explore Key Automation's innovative range of industrial motors.

A new generation of industrial sliding motors, up to 2500 kg 24 Vdc, for super intensive use. Set up for connecting up to 30 LED lights for outdoor use

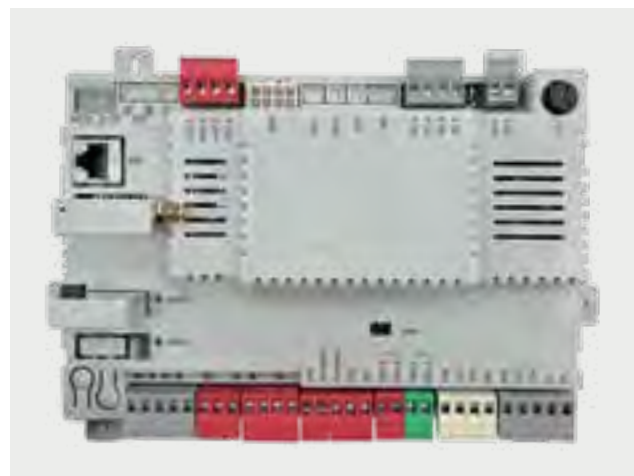
PLUS

Large internal spaces for cable passage and optional accessories also in DIN rail

Integrated LEDs for night lighting (Night Light System)

Possibility of installing photocells from the FT23 / FT43 / FT43PB series on the motor body

Versions available with new control unit MA24ISL for continuous industrial use or with control unit CTE0324 for condominium use. Also available in FASTLINE versions (40 cm/s)



MA24ISL

NEW 24 Vdc CONTROL UNIT

Input for PowerBUS accessories, with configuration and diagnostics via app

Up to 8 pairs of photocells, 2 flashing lights, 2 keyboards connectable via PowerBUS

4 configurable outputs

Programming and access with KUBEPROW/KUBEW IoT modules or DYL

Ready for Ethernet connection (via optional interface)

2 slots for new 433MHz unidirectional and 868MHz bidirectional radio receivers

06 NEW ITEMS IN THE CATALOGUE

TURBO S



TURBO S

New generation of residential sliding motors, up to 1600kg, 24 Vdc and 230 Vac

PLUS

Available in 24 Vdc versions with integrated backup batteries

Fixing points interchangeable with competitors foundation plates

CT10324 / CT103

New 24 Vdc and 230 Vac control units with digital display

Set up for programming and access with KUBEPROW / KUBEW IoT module

Ready for connection to PowerBUS accessories (via optional BUS interface, alternative to KUBEW/KUBEPROW)



06 NEW ITEMS IN THE CATALOGUE

KUBE UNIVERSALE & KUBE SMART APP



KUBE U

Universal receiver BLUETOOTH with two 5A relays

PLUS

Version with BLUETOOTH module

Controls two 5A relay outputs

Possibility of direct connection to an electric lock

Allows access control with and without time limits

Configurable icons



KUBE SMART APP

New app for controlling automation via smartphone

PLUS

Single app for both installers and end users

New modern and easy-to-use graphic interface to interact with automations quickly and easily

Facilitated customer management, thanks to a detailed list always available and updated

Total control of automations and authorised users

06 NEW ITEMS IN THE CATALOGUE

KUBE WI-FI



KUBEPROW / KUBEW / KUBEWA

New modules BLE / WI-FI

PLUS

WI-FI 4.0 2.4 GHz (802.11 b/g/n)

BLE 4.2

Compatible with CT10324, CT20324, CT10324I, 14AE, MA24ISL, CT103, CTE203 e HALOE

Optional external WI-FI antenna

PowerBUS INTERFACE

Interface PowerBUS PBEXP Interface for control units without PowerBUS

PLUS

It allows you to connect PowerBUS accessories to control units without a native bus (CT10324 - CT20324 - CT103 - CTE203)



FT43 PowerBUS

Two-wire PowerBUS connection, with configuration and diagnostics via app

Equipped with a dip-switch, to easily identify each pair of photocells



TOUCH IP

Multichannel touch remote controls, water and dust resistant, 433 MHz

PLUS

Suitable for outdoor use (remote controls only)

Transmitters with up to 3 channels with presence sensor and light sensor, for indoor use

Practical wall support for one or two remote controls

06 NEW ITEMS IN THE CATALOGUE

NEW CONTROL UNIT FOR ONE 230V MOTOR



NEW

CT103

PLUS

Improved and unified programming logic with the CT10324, CTE20324, and CTE203 control units, with motion reversal via software

New 5-character/16-segment display for more natural and intuitive reading

Optional programming with the KUBEPROW wireless module

Standard or programmable slowdowns in opening and closing

Fully enclosed control unit for improved protection against external factors

Disabling of safety via dip-switch

Compatible with the standby energy saving module

Configurable partial input, for example as a second safety edge

Independent inputs for: OPEN – CLOSE – SBS (STEP-BY-STEP) – PARTIAL

Independent inputs for: SAFETY EDGE 8k2 / STOP – PHOTO1 – PHOTO2

LED display of input and safety device activation

Flashlight fixed or flashing output

Courtesy light output

Open gate / electric lock indicator output (programmable times)

Photocell function check before operating (photo-test)

Built-in 433.92 MHz radio

Up to 150 storable codes



06 NEW ITEMS IN THE CATALOGUE

NEW CONTROL UNIT FOR TWO 230V MOTORS



CTE203

PLUS

Improved and unified programming logic with the CT10324, CTE20324, and CT103 control units, with motion reversal via software

New 5-character/16-segment display for more natural and intuitive reading

Optional programming with the KUBEPROW wireless module

Standard or programmable deceleration in opening and closing

Disabling of safety via dip-switch

Compliant with Regulation (EU) 2023/826, which establishes the energy consumption limits of electronic equipment in standby mode

Configurable partial input, for example as a second safety edge

Independent inputs for: OPEN – CLOSE – SBS (STEP-BY-STEP) – PARTIAL

Independent inputs for: SAFETY EDGE 8k2 / STOP - PHOTO1 – PHOTO2

LED displays input and safety device activation

Flashlight fixed or flashing output

Courtesy light output

Open gate / electric lock indicator output (programmable times)

Photocell function check before operating (photo-test)

Built-in 433.92 MHz radio

Up to 150 storable codes





Simple and intuitive programming and data management thanks to the KUBEPROW wireless module



IoT network of connected devices and technologies which facilitates communication between devices via Bluetooth/Wi-Fi and Cloud



Night Light System: automation system with integrated LEDs in motor body and flash light



FASTLINE motors provide faster closing and opening times, and ensure shorter waiting times and the utmost in safety



All kits that include the 14A control unit and MA24ISL offer the possibility of adding up to 20 additional LED lights, to illuminate the entrance of the house during the night automatically and economically



PLUG & PLAY motors with integrated accessories, designed for quick replacement of competitor motors



PowerBUS: Two-wire connection that allows the devices to be powered and to communicate with each other and with the control unit (master). Available with control units CT10324, CTE20324 and MA24ISL



Low Energy: motors with reduced current consumption, in accordance with EU Commission Regulation 2023/826 on stand-by power consumption

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KEY HOME

HOME SOLUTIONS

SYSTEMS FOR *SWING GATES*

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SYSTEMS FOR *SECTIONAL AND OVERHEAD DOORS*

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SELECTION GUIDE

SYSTEMS FOR SWING GATES

RAY

GEAR MOTOR FOR LEAVES UP TO 4 m

24 Vdc, non-intensive use, up to 3 m	RAY2524 RAY2524E RAY2224 / RAY2224WIN
24 Vdc, intensive use, up to 3 m	FASTLINE RAY3024F
24 Vdc, intensive use, up to 4 m	RAY4024E RAY4224E / RAY424TOW
24 Vdc, intensive use, up to 4 m, reversible	KRAY4024R
230 Vac, non-intensive use, up to 4 m	RAY40 / RAY40LATI

STAR

GEAR MOTOR FOR LEAVES UP TO 3 m

24 Vdc, non-intensive use	STAR3024
---------------------------	-----------------

RÉVO+

GEAR MOTOR WITH ARTICULATED ARMS FOR LEAVES UP TO 2,3 m

24 Vdc, non-intensive use, with control unit	REE2024 / REE2324
24 Vdc, non-intensive use, only motor	REP2024S / REP2224S

MEWA

GEAR MOTOR WITH ARTICULATED ARMS FOR LEAVES UP TO 4 m

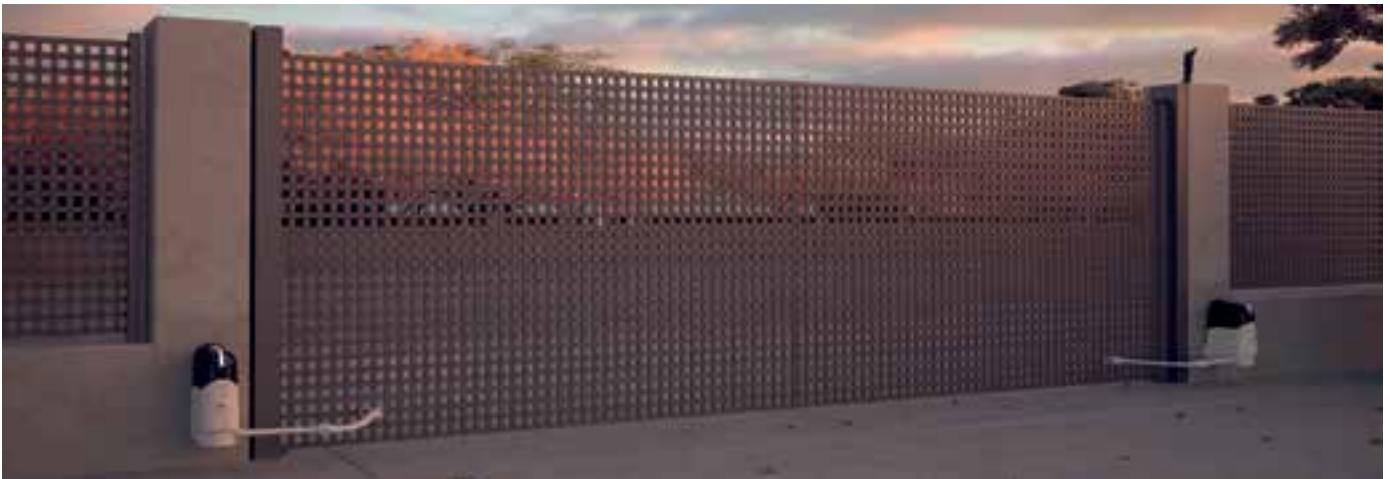
230 Vac, non-intensive use	SN-50 / KSN50B
24 Vdc, intensive use	SN-50-24 / KSN5024B

UNDER

GEAR MOTOR FOR LEAVES UP TO 3,5 m

230 Vac, non-intensive use	UND
230 Vac, non-intensive use, cable 10 m	UND10
24 Vdc, intensive use	FASTLINE UND24 / UND24E UND24F

NON-INTENSIVE USE means non-continuous use of the motor, ideal for private homes or single-family homes.
INTENSIVE USE means a more assiduous use of the motor, therefore ideal for condominiums and multi-family homes
(not suitable for commercial or industrial use)



ELECTROMECHANICAL GEAR MOTOR FOR SWING GATES WITH LEAVES UP TO 4 m, 24 Vdc WITH INTEGRATED NIGHT LIGHT SYSTEM



MODELS

CODE	DESCRIPTION	PCS PALLET
RAY2524	For swing gates with maximum length 3 m or max weight 500 kg per leaf, 24 Vdc motor. Possible use for gates up to 4m in combination with electric lock. Non-intensive use	25
RAY2524E	For swing gates with maximum length 3 m or max weight 500 kg per leaf, 24 Vdc motor, with encoder. Non-intensive use	25
RAY4024E	For swing gates with maximum length 4 m or max weight 600 kg per leaf, 24 Vdc motor, with encoder. Intensive use	25
KRAY4024R	For swing gates with maximum length 4 m or max weight 500 kg per leaf, 24 Vdc motor, reversible, included of power module PO24R, with encoder. Intensive use	25
RAY3024F	For swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor, with encoder. Intensive use	25

PLUS

High technological materials resistant to weather conditions

User friendly. Manual unlock possible with Sub transmitter

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

UV-resistant plastic covers

Aligned front and rear mounting brackets for ease of motor installation

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

FASTLINE

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

* adjustable slowdowns



Built-in LED light mask



Possibility to unlock motor with transmitter



Robust bronze lock nut on endless screw



Metal gearing (RAY4024E, RAY4024R, RAY3024F)

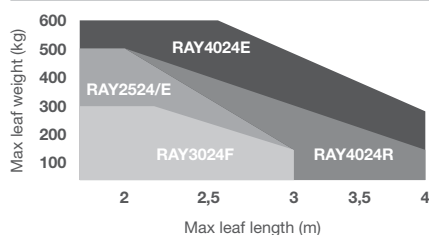
TECHNICAL DATA

		RAY2524	RAY2524E	RAY4024E	KRAY4024R	RAY3024F
MECHANICAL DATA						
speed	cm/s	2,6	2,6	1,5	3	3,8
pulling force	N	1500	1500	2000	1000	1000
cycles/hour *		40	40	40	40	40
opening time at 90° **	sec	18-25	18-25	20-25	20-25	10-15
ELECTRICAL DATA						
control unit		14ABE	14ABE	14ABE2	14ABE2	14ABE2F
voltage	Vdc	24	24	24	24	24
consumption	A	3,5	3,5	5	5	5
absorbed power	W	85	85	120	120	120
integrated lights		yes	yes	yes	yes	yes
GENERIC DATA						
protection degree	IP	44	44	44	44	44
dimensions (L - D - H)	mm	844 - 100 - 104				
weight	kg cad	8,1	9,65	9,3	9,4	9,3
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55	-20 + 55
leaf maximum weight	kg	500	500	600	500	300

* with non-panelled gate at a temperature of 20°C

** with optimized fixing dimensions

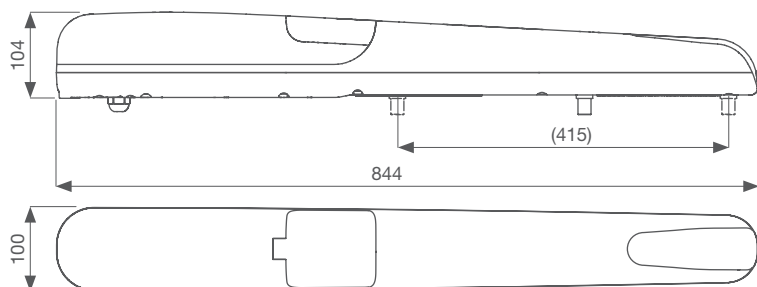
LIMIT USE



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

The RAY4024E model is recommended for condominium installations

DIMENSIONS



ACCESSORIES

 ADFB2 Pair of adjustable front mounting brackets	 ADRB2 Pair of adjustable rear mounting brackets	 ADWA Adapter kit for competitors motors	 FCRAY Mechanical stop in closing
PC 1	PC 1	PC 1	PC 1
 ELS-C 12 V horizontal electric lock. Up to 2000 Kg	 KBP Kit of 1.3 Ah lead battery and battery charger	 KITFIXBATT Fixing brackets for batteries 24 Vdc	 KC Unlock key cylinder
PC 1	PC 1	PC 1	PC 1
 EXRB Extension bracket for outside opening	 STAF032A00 Adapting rear bracket	 550CABL045A00 * Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m)	 14ABE2 Control unit in box for two 24 Vdc motors
PC 1	PC 1	PC 1	PC 1
 14ABE2F Control unit in box for two 24 Vdc motors (only RAY3024F)	 DYL Programming module. Cable length 120 cm (only 14A board)	 KUBEPROW Wireless programming module BLE/WI-FI	 KUBEW Module for automation control via smartphone using BLE/WI-FI
PC 1	PC 1	PC 1	PC 1

* it is not recommended to use a connection longer than 4 m to avoid loss of range

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



MODELS

CODE	DESCRIPTION	PCS PALLET
RAY40	For swing gates with maximum length 4 m or max weight 600 kg per leaf, 230 Vac motor. Non-intensive use	25
RAY40LATI 	For swing gates with a maximum length of 4 m or maximum weight of 600 kg per leaf, 230 Vac motor with ADWA bracket included. Suitable for replacing the Came* ATI A3000 and AXO series models. Non-intensive use	25
 RAY2224	For swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor. Non-intensive use	25
 RAY2224WIN 	For swing gates with a maximum length of 3 m or a maximum weight of 300 kg per leaf, 24 Vdc dc motor with ADWA bracket included. Suitable for replacing the Nice* Wingo 2024 and 4024 series models. Non-intensive use	25
 RAY4224E	For swing gates with maximum length 4 m or max weight 600 kg per leaf, 24 Vdc motor with encoder. Intensive use	25
 RAY424TOW 	For swing gates with a maximum length of 4 m or a maximum weight of 600 kg per leaf, 24 Vdc dc motor with encoder and STAF032A00 accessory. Suitable for replacing the Nice* Toona 4000 models. Intensive use	25

PLUS

- High technological materials resistant to weather conditions
- Manual unlock possible with SUB transmitter, user friendly
- 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



Stylish design screwless at sight



Possibility to unlock motor with transmitter



In line brackets



Metal gearing (RAY40, RAY4224E)

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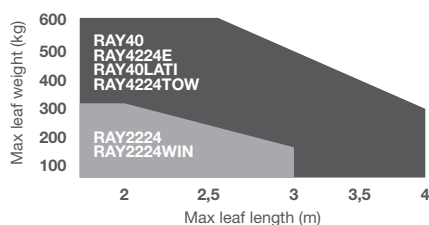
TECHNICAL DATA

		RAY40 RAY40LATI	RAY2224 RAY2224WIN	RAY4224E RAY424TOW
MECHANICAL DATA				
speed	cm/s	1,6	2,6	1,5
pulling force	N	2000	1500	2000
cycles/hour *		30	40	40
opening time at 90° **	sec	20-25	18-25	20-25
ELECTRICAL DATA				
control unit		CTE203	CTE20324	CTE20324E
voltage	Vac	230	-	-
	Vdc	-	24	24
frequency	Hz	50/60	-	-
consumption	A	1,2	3,5	5
absorbed power	W	280	85	120
capacitor	µF	8	-	-
thermoprotection	°C	150	-	-
GENERIC DATA				
protection degree	IP	44	44	44
dimensions (L - D - H)	mm	844 - 100 - 104		
weight	kg cad	10,2	8	9,3
working temperature	°C	-20 + 55	-20 + 55	-20 + 55
leaf maximum weight	kg	600	300	600

* with non-panelled gate at a temperature of 20°C

** with optimized fixing dimensions

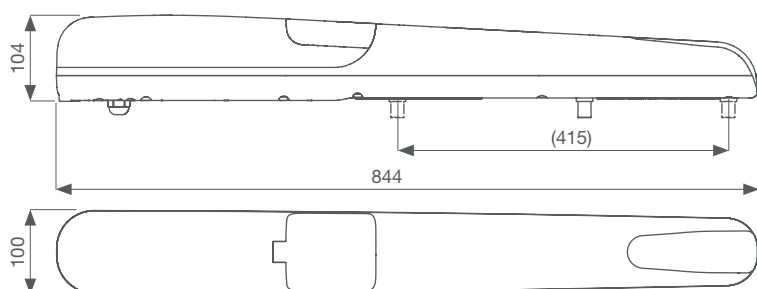
LIMIT USE



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

The RAY4224E model is recommended for condominium installations

DIMENSIONS



ACCESSORIES

 ADFB2 Pair of adjustable front mounting brackets PC 1	 ADRB2 Pair of adjustable rear mounting brackets PC 1	 ADWA Adapter kit for competitors motors. Already included in models RAY40LATI and RAY2224WIN PC 1	 FCRAY Mechanical stop in closing PC 1
 ELS-C 12 V horizontal electric lock. Up to 2000 kg PC 1	 KBP Kit of 1.3 Ah lead battery and battery charger PC 1	 KITFIXBATT Fixing brackets for batteries 24 Vdc PC 1	 KC Unlock key cylinder PC 1
 EXRB Extension bracket for outside opening PC 1	 STAF032A00 Adapting rear bracket. Already included in the model RAY424TOW PC 1	 CTE20324 Control unit 2 motors, 24 Vdc in box (only RAY2224) PC 1	 CTE20324E Control unit 2 motors, 24 Vdc in box (only RAY2224E) PC 1
 CTE203 Control unit in box for two 230 Vac motors (only RAY40) PC 1	 KUBEPROW Wireless programming module BLE/Wi-Fi PC 1	 KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1	

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Adapter bracket STAF032A00 for replacing the Nice* Toona 4000 models



ADWA bracket for replacing the model Came* Ati A3000 - Axo series and the models Nice* Wingo 2024 - 4024 series

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)

CTE20324 control unit (version without NLS)

CTE203 control unit (version without NLS)



All kits that include the 14A control unit offer the possibility of adding up to 20 additional LED lights, to illuminate the entrance of the house during the night automatically and economically



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing the data in a simple and intuitive way thanks to the KUBEPROW wireless module. Alternatively, to program the 14A control unit, it is necessary to have the DYL display

MODELS WITH NIGHT LIGHT SYSTEM

CODE	DESCRIPTION	WEIGHT	PCS PALLET
KRAE2524EK	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic stop. With night light function included. Non-intensive use	21,7 kg	18
KRAE2524KK	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic stop. Non-intensive use	21 kg	18
KRAE4024EK	Kit for swing gates with leaves up to 4 m, 24 Vdc motor, control unit with slowdown, opening mechanic stop and encoder. With night light function included. Intensive use	24,8 kg	18
KRAE4024KK	Kit for swing gates with leaves up to 4 m, 24 Vdc motor, control unit with slowdown, opening mechanic stop and encoder. Intensive use	24 kg	18
KRAE3024FEK	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic stop and encoder. With night light function included. Intensive use	24,5 kg	18
KRAE3024FKK	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic stop and encoder. Intensive use	24 kg	18

KIT COMPONENTS

										
	RAY	ADFB2	ADRB2	14A	ECLIPSE	RX4K	EGPH1/FT23	SUB44WR	SUB44R	KUBEW
KRAE2524EK	• 2 PCS			• 14ABE	•	•	• EGPH1	• 1 PC		•
KRAE2524KK	• 2 PCS	•	•	• 14ABE		•	• FT23		• 1 PC	•
KRAE4024EK	• 2 PCS			• 14ABE2	•	•	• EGPH1	• 1 PC		•
KRAE4024KK	• 2 PCS	•	•	• 14ABE2		•	• FT23		• 1 PC	•
KRAE3024FEK	• 2 PCS			• 14ABE2F	•	•	• EGPH1	• 1 PC		•
KRAE3024FKK	• 2 PCS	•	•	• 14ABE2F		•	• FT23		• 1 PC	•

MODELS WITHOUT NIGHT LIGHT SYSTEM

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KRAE43ES 	Kit for swing gates with leaves up to 4 m, 230 Vac motor, control unit with slowdown and opening mechanic stop	23,6 kg	18
 KRAE43KS 	Kit for swing gates with leaves up to 4 m, 230 Vac motor, control unit with slowdown and opening mechanic stop	23,3 kg	18
  KRAE2324ES 	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with an integrated receiver, slowdown and opening mechanic stop	21,1 kg	18
  KRAE2324KS 	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with an integrated receiver, slowdown and opening mechanic stop	20,8 kg	18
  KRAE4324ES 	Kit for swing gates with leaves up to 4 m, 24 Vdc motor, control unit with an integrated receiver, slowdown and opening mechanic stop	23,5 kg	18
  KRAE4324KS 	Kit for swing gates with leaves up to 4 m, 24 Vdc motor, control unit with an integrated receiver, slowdown and opening mechanic stop	23,2 kg	18

KIT COMPONENTS

				 						
	RAY	ADFB2	ADRB2	CTE203	CTE20324	LUMY LED	RX4K	EGPH1/FT23	SUB44WR	SUB44R
KRAE43ES	• 2 PCS			•		•	INTEGRATED	• EGPH1	• 2 PCS	
KRAE43KS	• 2 PCS	•	•	•			INTEGRATED	• FT23		• 2 PCS
KRAE2324ES	• 2 PCS				•	•	INTEGRATED	• EGPH1	• 2 PCS	
KRAE2324KS	• 2 PCS	•	•		•		INTEGRATED	• FT23		• 2 PCS
KRAE4324ES	• 2 PCS				•	•	INTEGRATED	• EGPH1	• 2 PCS	
KRAE4324KS	• 2 PCS	•	•		•		INTEGRATED	• FT23		• 2 PCS



MODELS

CODE	DESCRIPTION	PCS PALLET
STAR3024	For swing gates with maximum length 3 m per leaf, pair of irreversible 24 Vdc motors, without encoder (2 pcs, left and right). Non-intensive use	18

PLUS

Without encoder, simple wiring and precise operation

Easy slowdown and open limit settings

Mechanical parts well protected from external debris

Compatible with control unit CTE20324 (optional)

Motor for leaves up to 3 m max length

Available in kit version



Sturdy telescopic stem



Simple and reliable reduction



Without encoder



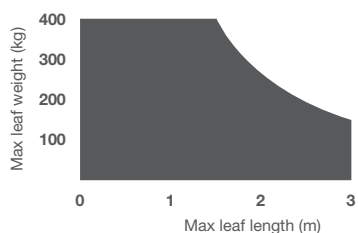
New control unit CTE20324 with integrated receiver programmable with KUBEPROW

TECHNICAL DATA

STAR3024		
MECHANICAL DATA		
speed	cm/s	2,5
pulling force	N	1400
cycles/hour *		40
opening time at 90°	sec	18-25
ELECTRICAL DATA		
control unit		CTE20324
voltage	Vdc	24
consumption	A	3,5
absorbed power	W	85
GENERIC DATA		
protection degree	IP	54
dimensions (L - D - H)	mm	741 - 115 - 177
weight	kg cad	9,24
working temperature	°C	-20 + 55
leaf maximum weight	kg	400

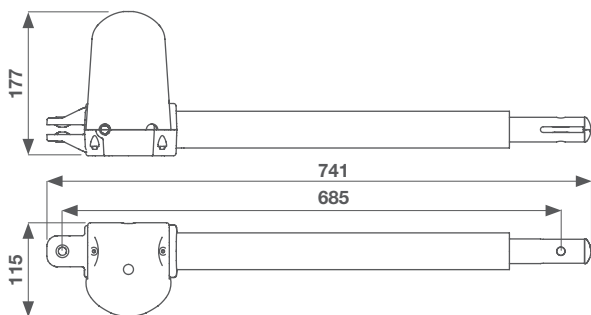
* with non-panelled gate at a temperature of 20°C

LIMIT USE



Gate shape and height, weather conditions, and the presence of strong winds can considerably reduce the values shown in the graph

DIMENSIONS



ACCESSORIES



ELS-C
12 V horizontal electric lock.
Up to 2000 Kg



KBP
Kit of 1.3 Ah lead battery and
battery charger



KITFIXBATT
Fixing brackets for batteries
24 V



CTE20324
Control unit 2 motors,
24 Vdc in box

PC 1



KUBEPROW
Wireless programming
module BLE/WI-FI

PC 1



KUBEW
Module for automation control
via smartphone using
BLE/WI-FI

PC 1

PC 1

PC 1

PC 1

STAR KIT

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



PLUS

Easy slowdown and open limit settings

Mechanical parts well protected from external debris



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing data in a simple and intuitive way thanks to the KUBEPROW wireless module

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
  KSTE3324ES 	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with an integrated receiver and slowdown. Non-intensive use	14,2 kg	18
  KSTE3324KS 	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with an integrated receiver and slowdown. Non-intensive use	14 kg	18

KIT COMPONENTS

							
	STAR	CTE20324	LUMY LED	RX4K	EGPH1/FT23	SUB44WR	SUB44R
KSTE3324ES	• 2 PCS	•	•	INTEGRATED	• EGP1	• 2 PCS	
KSTE3324KS	• 2 PCS	•		INTEGRATED	• FT23		• 2 PCS





MODELS

CODE	DESCRIPTION	PCS PALLET
 REE2024 	For swing gates with a maximum length of 2.3 m or weight of 250 kg per leaf, 24 Vdc motor (including one PO24 power module). Non-intensive use	24
 REP2024S	For swing gates with maximum length 2,3 m or weight 250 kg per leaf, 24 Vdc motor. Without control unit. Non-intensive use	24

PLUS

Even more compact size. Installation height just 5 cm from ground level

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

Simplified adjustment of the on-board mechanical stops as standard

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

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 unlocking system is simple and intuitive, also possible using the transmitter Sub

Optional unlock from the outside



Installation up to 5 cm from the ground



Easy cable passage



Suitable for narrow pillars (10x10 cm)



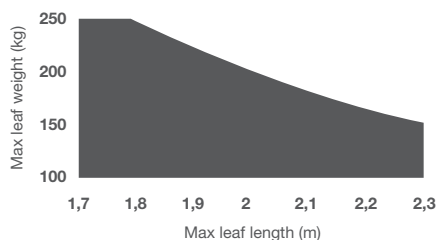
Simplified mechanical stop adjustment

TECHNICAL DATA

		REE2024	REP2024S
MECHANICAL DATA			
torque	Nm	120	120
cycles/hour *		30	30
opening time at 90°	sec	14-20	14-20
ELECTRICAL DATA			
control unit		14A	-
voltage	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	125 - 255 - 310	125 - 255 - 310
weight	kg cad	13	10
working temperature	°C	-20 + 55	-20 + 55
leaf maximum weight	kg	250	250

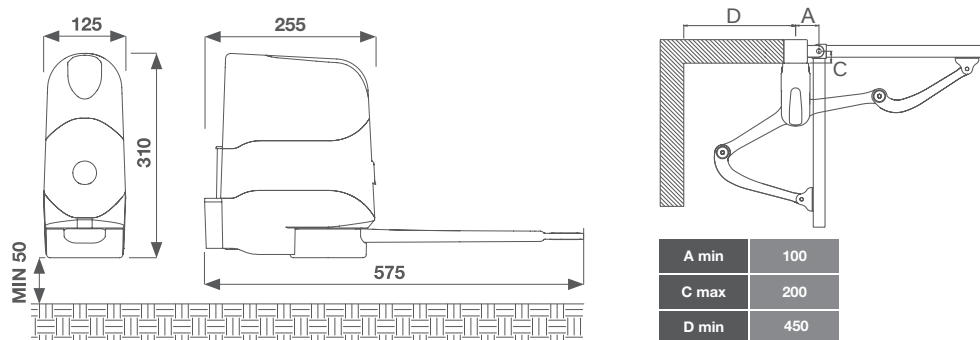
* with non-panelled gate at a temperature of 20°C

LIMIT USE



Gate shape and height, weather conditions, and the presence of strong winds can considerably reduce the values shown in the graph

DIMENSIONS



ACCESSORIES

 ELS-C 12 V horizontal electric lock. Up to 2000 Kg PC 1	 KBPN Kit of 1.3 Ah NiMH battery and battery charger PC 1	 KC Unlock key cylinder PC 1	 REV1 Slide arm PC 1
 REV2 Arm for reduced openings PC 1	 REV3 External release unlock kit PC 1	 BMET Metal box with release system PC 1	 550CABL045A00 * Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m) PC 1
 DYL Programming module Cable length 120 cm (only 14A board) PC 1	 KUBEPROW Wireless programming module wireless BLE/Wi-Fi PC 1	 KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1	

* it is not recommended to use a connection longer than 4 m to avoid loss of range



MODELS

CODE	DESCRIPTION	PCS PALLET
REE2324	For swing gates with maximum length 2,3 m or weight 250 kg per leaf, 24 Vdc motor, with control unit. Non-intensive use	24
REP2224S	For swing gates with maximum length 2,3 m or weight 250 kg per leaf, 24 Vdc motor, without control unit. Non-intensive use	24

PLUS

Even more compact size. Installation height just 5 cm from ground level

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

Simplified adjustment of the on-board mechanical stops as standard

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

Compact shape and silent movement, made of strong die-cast aluminum and UV resistant covers

The unlocking system is simple and intuitive, also possible using the transmitter Sub

Optional unlock from the outside

Back-up battery (optional) on board

Low Energy version, with reduced stand-by current consumption



Installation up to 5 cm from the ground



New control unit CTE20324 with integrated receiver programmable with KUBEPROW



Suitable for narrow pillars (10x10 cm)



Simplified mechanical stop adjustment

TECHNICAL DATA

		REE2324	REP2224S
MECHANICAL DATA			
torque	Nm	120	120
cycles/hour*		30	30
opening time at 90°	sec	14-20	14-20
ELECTRICAL DATA			
control unit		CTE20324	-
voltage	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	125 - 255 - 310	125 - 255 - 310
weight	kg cad	12	10
working temperature	°C	-20 + 55	-20 + 55
leaf maximum weight	kg	250	250

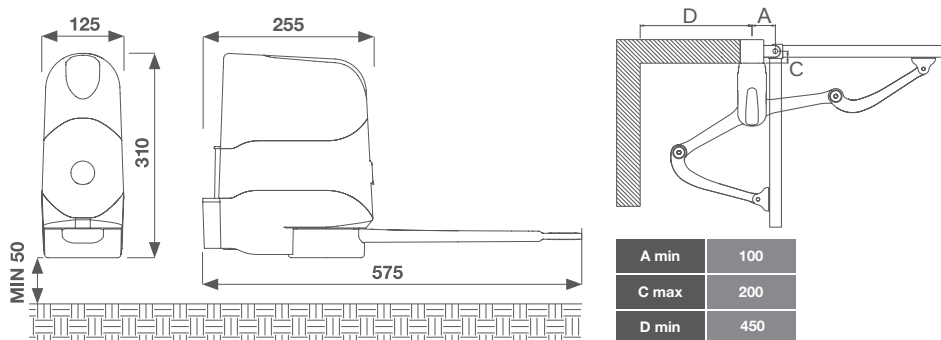
* with non-panelled gate at a temperature of 20°C

LIMIT USE



Gate shape and height, weather conditions, and the presence of strong winds can considerably reduce the values shown in the graph

DIMENSIONS



ACCESSORIES

ELS-C 12 V horizontal electric lock. Up to 2000 Kg	KBPN Kit of 1.3 Ah NiMH battery and battery charger	KC Unlock key cylinder	REV1 Slide arm
PC 1	PC 1	PC 1	PC 1
REV2 Arm for reduced openings	REV3 External release unlock kit	BMET Metal box with release system	KUBEPROW Wireless programming module BLE/Wi-Fi
PC 1	PC 1	PC 1	PC 1
KUBEW Module for automation control via smartphone using BLE/Wi-Fi			
PC 1			

RÉVO+ KIT

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



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)

CT20234 control unit (version without NLS)



All kits that include the 14A control unit offer the possibility of adding up to 20 additional LED lights, to illuminate the entrance of the house during the night automatically and economically



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing the data in a simple and intuitive way thanks to the KUBEPROW wireless module. Alternatively, to program the 14A control unit, it is necessary to have the DYL display

MODELS WITH NIGHT LIGHT SYSTEM

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KREE2024EK 	Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with slowdown, mechanical stop in opening and closing. With night light function included (with control unit 14A). Non-intensive use	21,9 kg	24
 KREE2024KK 	Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with slowdown, mechanical stop in opening and closing (with control unit 14A). Non-intensive use	21,6 kg	24

KIT COMPONENTS

	 RÉVO+	ECLIPSE	RX4K	EGPH1/FT23	SUB44WR	SUB44R	KUBEW
KREE2024EK	• 2 PCS	•	•	• EGPH1	• 1 PC		•
KREE2024KK	• 2 PCS		•	• FT23		• 1 PC	•

MODELS WITHOUT NIGHT LIGHT SYSTEM

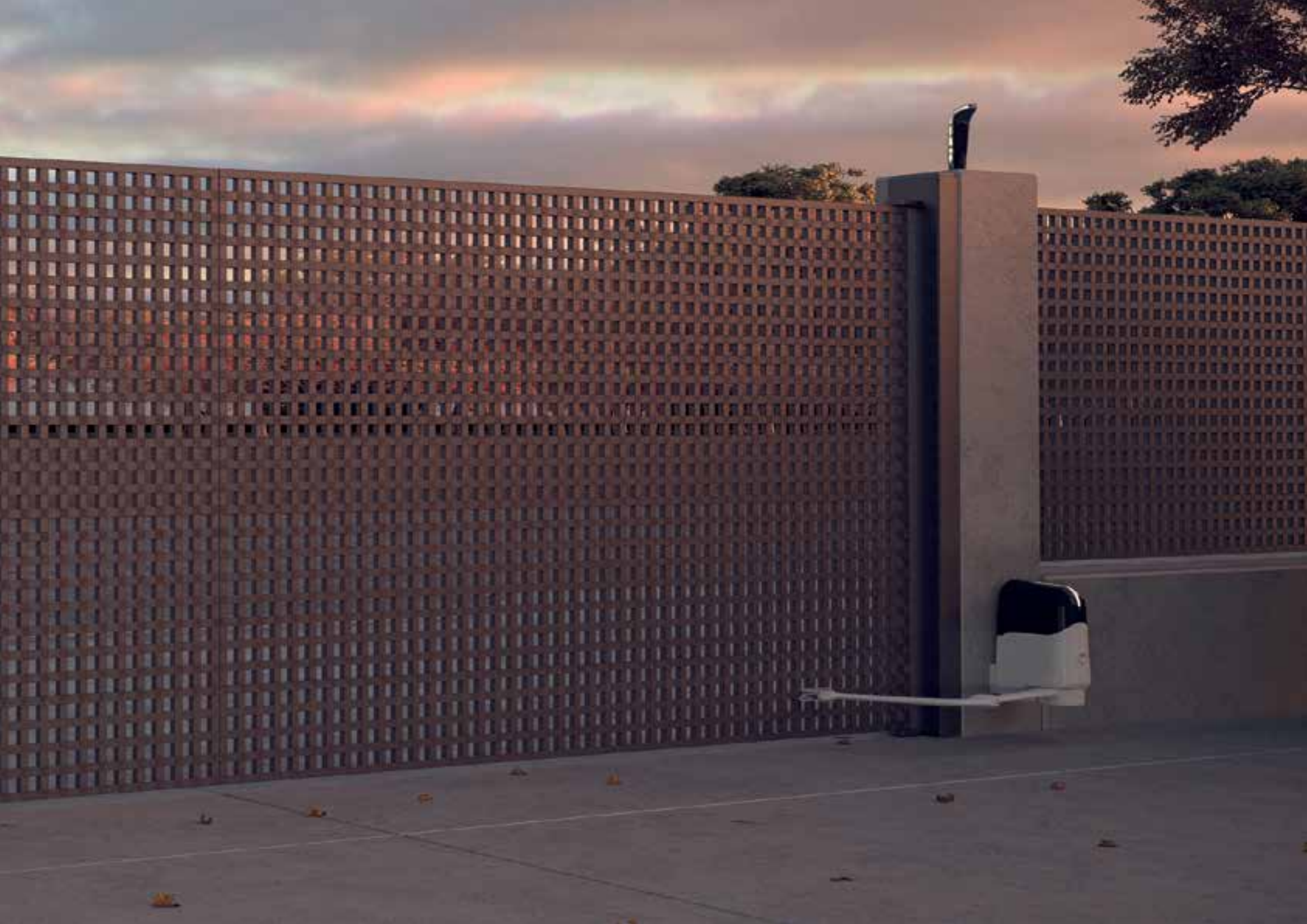
CODE	DESCRIPTION	WEIGHT	PCS PALLET
  KREE2324ES 	Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with an integrated receiver and slowdown, mechanical stop in opening and closing (with control unit CTE20324). Non-intensive use	20,4 kg	24
  KREE2324KS 	Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with an integrated receiver and slowdown, mechanical stop in opening and closing (with control unit CTE20324). Non-intensive use	20,1 kg	24

KIT COMPONENTS

						
	RÉVO+	LUMY LED	RX4K	EGPH1/FT23	SUB44WR	SUB44R
KREE2324ES	• 2 PCS	•	INTEGRATED	• EGPH1	• 2 PCS	
KREE2324KS	• 2 PCS		INTEGRATED	• FT23		• 2 PCS









MODELS

CODE	DESCRIPTION	PCS PALLET
SN50DX	RIGHT motor (view from inside) for swing gates with maximum length 4 m per leaf, 230 Vac motor with electric limit switches. Non-intensive use	12
SN50SX	LEFT motor (view from inside) for swing gates with maximum length 4 m per leaf, 230 Vac motor with electric limit switches. Non-intensive use	12
KSN50B	Pair of motors for swing gates with maximum length 4 m per leaf, 230 Vac motor with opening and closing electric limit switches (2 pcs). Non-intensive use	12
 SN5024DX	RIGHT motor (view from inside) for swing gates with maximum length 3 m per leaf, 24 Vdc motor with encoder. Intensive use	12
 SN5024SX	LEFT motor (view from inside) for swing gates with maximum length 3 m per leaf, 24 Vdc motor with encoder. Intensive use	12
 KSN5024B	Pair of motors for swing gates with maximum length 3 m per leaf, 24 Vdc motor with encoder (2 pcs). Intensive use	12

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 24 Vdc control unit 14ABE2

With new 230 Vac control unit connected CTE203 with integrated receiver



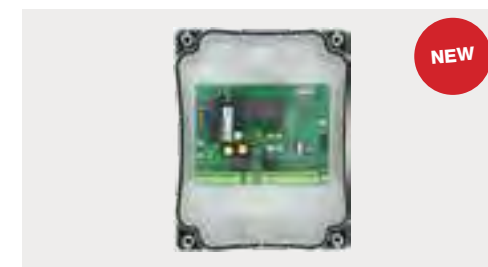
External release for an easy manual unlock from outside



Reinforced and sturdy arm suitable for wide-angles opening



Limit switch with precise regulations



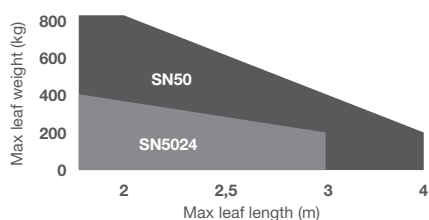
New control unit CTE203

TECHNICAL DATA

		SN50	SN5024
MECHANICAL DATA			
torque	Nm	400	350
cycles/hour *		20	40
opening time at 90°	sec	18	15-25
ELECTRICAL DATA			
control unit		CTE203	14ABE2
power supply automation	Vac	230	-
	Vdc	-	24
frequency	Hz	50/60	-
consumption	A	1,5	5
absorbed power	W	340	120
capacitor	µF	12	-
thermoprotection	°C	150	-
GENERIC DATA			
protection degree	IP	43	43
dimensions (L - D - H)	mm	330 - 187 - 157	330 - 187 - 157
weight	kg cad	15,5	13,8
working temperature	°C	-20 + 55	-20 + 55
leaf maximum weight	kg	800	400

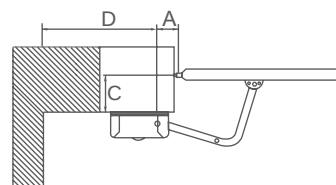
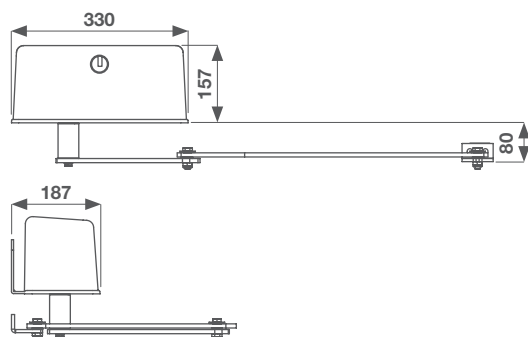
* with non-panelled gate at a temperature of 20°C

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

DIMENSIONS



A min	150	
C max	300	450 *
D min	500	600 *

* with accessory LEVA011A00

ACCESSORIES

ELC-C 12 V horizontal electric lock. Up to 2000 Kg PC 1	KBP Kit of 1.3 Ah lead battery and battery charger PC 1	KITFIXBATT Fixing brackets for batteries PC 1	BMET Metal box for external release system PC 1
550CABL045A00 * Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m) PC 1	SBLEXT Cable external release kit PC 1	KFE Kit electric limit switches for 24 Vdc version PC 1	LEVA011A00 Articulated straight arm for columns from 301 to 450mm PC 1
BDBOC Telescopic arm for folding doors PC 1	CTE203 Control unit in box for two 230 Vac motors PC 1	14ABE2 Control unit for two motors 24 Vdc in box PC 1	DYL Programming module Cable length 120 cm (for 14A board)) PC 1
KUBEPROW Wireless programming module BLE/Wi-Fi PC 1	KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1		

* it is not recommended to use a connection longer than 4 m to avoid loss of range

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

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
KSN50B	Pair of motors for swing gates with a maximum length of 4 m, 230 Vac motor, electric limit switches for opening and closing (2 pcs). Non-intensive use	28 kg	12
KCTE203ES	Electronics kit: CTE203 + LUMY230EL + RX4K + EGPH1 + 2 pcs SUB44WR	3,150 kg	12
KCTE203KS	Electronics kit: CTE203 + RX4K + FT23 + 2 pcs SUB44R	2,850 kg	12

KIT COMPONENTS

	MEWA	CTE203	LUMY LED	EGPH1/FT23	RX4K	SUB44WR	SUB44R
KSN50B + KCTE203ES	• 2 PCS	•	•	• EGPH1	INTEGRATED	• 2 PCS	
KSN50B + KCTE203KS	• 2 PCS	•		• FT23	INTEGRATED		• 2 PCS





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. Non-intensive use	18
UND10	For swing gates with maximum length 3,5 m, 230 Vac motor, with opening and closing mechanical stops. Cable length 10 m. Non-intensive use	18
 UND24	For swing gates with maximum length 3,5 m, 24 Vdc motor, without encoder, with opening and closing mechanical stops. Intensive use	18
 UND24F 	For pedestrian entrances with swing gates with a maximum length of 3 m, 24 Vdc motor with encoder and with opening and closing limit switches. Intensive use	18
 UND24E 	For swing gates with maximum length 3,5 m, 24 Vdc motor, with encoder, with opening and closing mechanical stops. Intensive use	18

PLUS

Compatible with foundation box CF3 or CI3
Unlock lever with key and integrated pull lever
Opening and closing mechanical stops included
Compatible with 230 Vac control unit CTE203
Motor compatible with other producers' foundation boxes (with ADUN accessory)
24 Vdc motor with and without encoder

Possibility to choose between 1.5 m and 10 m cable motor (for 230 Vac)
Adjustable speed and slowdown functions
FASTLINE
UNDER FAST ideal for pedestrian gates: 90° opening rate in 10 seconds*
* adjustable slowdowns



High precision mechanical stops



Full metal gears



Internal and external unlock with special metal key



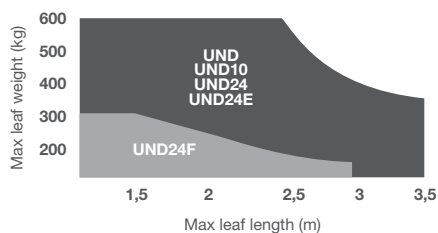
Easy maintenance thanks to the double greasers both on housing and gear motor

TECHNICAL DATA

		UND	UND10	UND24 UND24E	UND24F
MECHANICAL DATA					
torque	Nm	300	300	250	130
cycles/hour *		20	20	40	60
opening time at 90°	sec	20	20	18-25	10-15
ELECTRICAL DATA					
control unit		CTE203	CTE203	14ABE2	14ABE2F
voltage	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			
weight	kg cad	11,4	12,4	10,1	10,1
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55
leaf maximum weight	kg	600	600	600	300

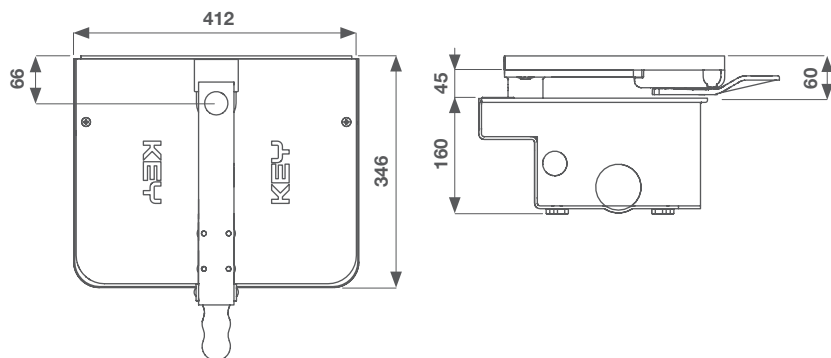
* with non-panelled gate at a temperature of 20°C

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

DIMENSIONS



ACCESSORIES

 ELC-C 12 V horizontal electric lock. Up to 2000 Kg PC 1	 KBP Kit of 1.3 Ah lead battery and battery charger PC 1	 KITFIXBATT Fixing brackets for batteries PC 1	 CF3* Cataphoresis housing box with galvanised cover and unlock lever SB3 PC 1
 CI3* Stainless steel housing box, with unlock lever SB3 PC 1	 CF3SB* Cataphoresis housing box, without connecting levers PC 1	 ADUN Fixing kit for other producers' boxes PC 1	 SB3 Unlock lever with key PC 1
 OP100 Kit for over 100° opening. Leaf length max 3000 mm PC 1	 550CABL045A00* Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m) PC 1	 14ABE2F Control unit in box for two 24 Vdc motors (only UND24F) PC 1	 CTE20324 Control unit 2 motors, 24 Vdc in box (only UND24) PC 1
 CTE203 Control unit in box for two 230 Vac motors PC 1	 14ABE2 Control unit in box for two 24 Vdc motors PC 1	 DYL Programming module Cable length 120 cm (only 14A board) PC 1	 KUBEPROW Wireless programming module wireless BLE/Wi-Fi PC 1
 KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1			

* 36 pcs pallet

UNDER KIT

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



PLUS

Without encoder (24 Vdc version)

Water resistant SUB remote control included

Adjustable speed and slowdown functions

Mechanical parts well protected from external debris



All kits that include the 14A control unit offer the possibility of adding up to 20 additional LED lights, to illuminate the entrance of the house during the night automatically and economically



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing the data in a simple and intuitive way thanks to the KUBEPROW wireless module. Alternatively, to program the 14A control unit, it is necessary to have the DYL display

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
  KUNE3524EK 	Underground kit for swing gates with leaves up to 3,5 m, 24 Vdc motor, control unit with slowdown. With Night Light System included. Intensive use	26,5 kg	12
  KUNE3524KK 	Underground kit for swing gates with leaves up to 3,5 m, 24 Vdc motor, control unit with slowdown. With Night Light System included. Intensive use	26 kg	12
 KUNE35ES 	Underground kit for swing gates with leaves up to 3,5 m, 230 Vac motor, control unit CTE203 with slowdown. Non-intensive use	26,5 kg	12
 KUNE35KS 	Underground kit for swing gates with leaves up to 3,5 m, 230 Vac motor, control unit CTE203 with slowdown. Non-intensive use	26 kg	12

KIT COMPONENTS

								
	UNDER	14A	ECLIPSE	RX4K	EGPH1/FT23	SUB44WR	SUB44R	KUBEW
KUNE3524EK	• 2 PCS	• 14ABE2	•	•	• EGPH1	• 1 PC		•
KUNE3524KK	• 2 PCS	• 14ABE2		•	• FT23		• 1 PC	•
								
	UNDER	CTE203	LUMY LED	RX4K	EGPH1/FT23	SUB44WR	SUB44R	
KUNE35ES	• 2 PCS	•	•	INTEGRATED	• EGPH1	• 2 PCS		
KUNE35KS	• 2 PCS	•		INTEGRATED	• FT23		• 2 PCS	



SELECTION GUIDE

SYSTEMS FOR SLIDING GATES

SUN

GEAR MOTOR FOR GATES UP TO 1200 Kg

24 Vdc, non-intensive use, up to 500 Kg **SUE5024**

24 Vdc, intensive use, up to 500 Kg  **SUE5024F**

24 Vdc, intensive use, up to 800 kg **SUE8024**

24 Vdc, intensive use, up to 1200 kg **SUE12024**

TURBO S

GEAR MOTOR FOR GATES UP TO 1600 kg

24 Vdc, non-intensive use, up to 400 kg **TUE4324**

24 Vdc, intensive use, up to 500 kg  **TUE5324F**

24 Vdc, non-intensive use, up to 600 kg **TUE6324**

24 Vdc, intensive use, up to 800 kg **TUE8324**

24 Vdc, intensive use, up to 1200 kg **TUE12324**

230 Vac, non-intensive use, up to 600 kg **TUE63**

230 Vac, non-intensive use, up to 900 kg **TUE93**

230 Vac, non-intensive use, up to 1200 kg **TUE123**

230 Vac, non-intensive use, up to 1600 kg **TUE163**

NON-INTENSIVE USE means non-continuous use of the motor, ideal for private homes or single-family homes.
INTENSIVE USE means a more assiduous use of the motor, therefore ideal for condominiums and multi-family homes
(not suitable for commercial or industrial use)



ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 1200 Kg, 24 Vdc WITH INTEGRATED NIGHT LIGHT SYSTEM



MODELS

CODE	DESCRIPTION	PCS PALLET
SUE5024	For sliding gates up to 500 kg, 24 Vdc motor, control unit 14A with slowdown and electric limit switch. Non-intensive use	36
SUE5024F	For sliding gates up to 500 kg, 24 Vdc fast motor, control unit 14A with slowdown and magnetic limit switch. Intensive use	36
SUE8024	For sliding gates up to 800 kg, 24 Vdc motor, control unit 14A with slowdown and electric limit switch. Intensive use	36
SUE12024	For sliding gates up to 1200 kg, 24 Vdc motor, control unit 14A with slowdown and electric limit switch. Intensive use	36

PLUS

Built-in LED light at the front to safely illuminate the entire width of the passage while also enhancing the gate's appearance

High technological materials resistant to weather conditions

Gear reduction with extra-large bearing with high performances

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

With 24 Vdc control unit 14A

The release system is ergonomic, efficient and easily accessible

Magnetic limit switch version upon request

Back-up battery (optional) on board

UV-resistant plastic covers

More power with zero noise thanks to the new mechanical reductions

FASTLINE

SUN FAST: Opening speed up to 40 cm/sec



Control unit 14A



Built-in LED light



Robust gear reduction with self-standing bearing



New mechanical reductions for the best result in terms of robustness and silence

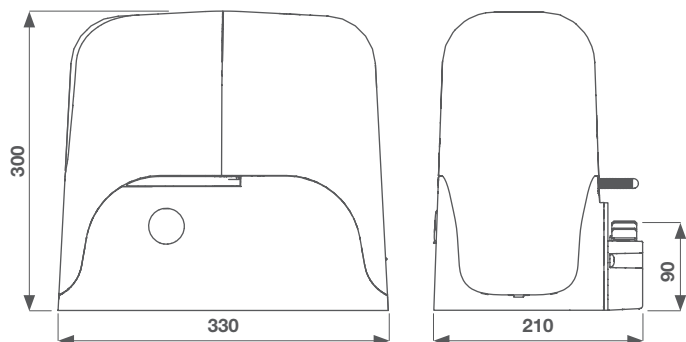
TECHNICAL DATA

		SUE5024	SUE8024	SUE12024	SUE5024F
MECHANICAL DATA					
speed*	cm/s	26	25	20	40
torque	Nm	18	26	38	23
cycles/hour **		40	40	50	40
ELECTRICAL DATA					
control unit		14A	14A	14A	14AF 
power supply automation	Vac	230	230	230	230
frequency	Hz	50/60	50/60	50/60	50/60
motor power supply	Vdc	24	24	24	24
consumption	A	1,1	1,5	1,8	1,3
absorbed power	W	250	345	360	300
integrated lights	yes				
GENERIC DATA					
protection degree	IP	44			
dimensions (L - D - H)	mm	330 - 210 - 300			
weight	kg	13	13,8	14,5	13,5
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55
gate maximum weight	kg	500	800	1200	500

*The value varies according to the weight of the gate. For use in shared ownership, we recommend using 800 kg models

** Cycles/hour referring to a standard gate with a length of 4m and weight of 200kg, evaluated at an ambient temperature of 20°C

DIMENSIONS



ACCESSORIES

 RN800 * M4 nylon rack L=1000 mm for gates up to 800 kg €/m	 CREM-8 ** M4 zinc coated rack 30x8 mm L=1000 mm €/m	 CREM-12 ** M4 zinc coated rack 30x12 mm L=1000 mm €/m	 FIMAS Magnetic limit switch conversion kit PC 1
 KBP Kit of 1.3 Ah lead battery and battery charger PC 1	 KCS Unlock kit with key PC 1	 550CABL045A00 *** Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m) PC 1	 TWIN Interface for master/slave function (SUE8024 and SUE12024) PC 1
 DYL Programming module Cable length 120 cm (only 14A board) PC 1	 KUBEPROW Wireless programming module BLE/WI-FI PC 1	 KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1	

* Pack of 10 pcs
** Pack of 4 pcs
*** It is not recommended to use a connection longer than 4 m to avoid loss of range



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

Night Light System with LED light included (NLS version)

14A control unit (NLS version)

CT10324 24 Vdc control unit (version without NLS)



All kits that include the 14A control unit offer the possibility of adding up to 20 additional LED lights, to illuminate the entrance of the house during the night automatically and economically



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing the data in a simple and intuitive way thanks to the KUBEPROW wireless module. Alternatively, to program the 14A control unit, it is necessary to have the DYL display

MODELS WITH NIGHT LIGHT SYSTEM

CODE	DESCRIPTION	WEIGHT	PCS PALLET
KSUE5024EK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With Night Light System included. Non-intensive use	13 kg	36
KSUE5024KK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With Night Light System included. Non-intensive use	13 kg	36
KSUE5024FEK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14AF with slowdown, magnetic limit switch. With Night Light System included. Intensive use	13,5 kg	36
KSUE5024FKK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14AF with slowdown, magnetic limit switch. With Night Light System included. Intensive use	13,5 kg	36
KSUE8024EK	Kit for sliding gates up to 800 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With Night Light System included. Intensive use	13,8 kg	36
KSUE8024KK	Kit for sliding gates up to 800 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With Night Light System included. Intensive use	13,8 kg	36
KSUE12024EK	Kit for sliding gates up to 1200 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With Night Light System included. Intensive use	14,5 kg	36
KSUE12024KK	Kit for sliding gates up to 1200 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switches. Intensive use	14,5 kg	36
KSUE5024TW	Pair of motors for opposed sliding gates up to 500 Kg, 24 Vdc, control unit 14A with slow down function and electric limit switch. Non-intensive use		16

KIT COMPONENTS

							
	SUN	ECLIPSE	RX4K	EGPH1/FT23	SUB44WR	SUB44R	KUBEW
KSUE5024EK	• 1 PC	•	•	• EGPH1	• 1 PC		•
KSUE5024KK	• 1 PC		•	• FT23		• 1 PC	•
KSUE5024FEK	• 1 PC	•	•	• EGPH1	• 1 PC		•
KSUE5024FKK	• 1 PC		•	• FT23		• 1 PC	•
KSUE8024EK	• 1 PC	•	•	• EGPH1	• 1 PC		•
KSUE8024KK	• 1 PC		•	• FT23		• 1 PC	•
KSUE12024EK	• 1 PC	•	•	• EGPH1	• 1 PC		•
KSUE12024KK	• 1 PC		•	• FT23		• 1 PC	•
KSUE5024TW	• 2 PCS						

TURBO S

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 1200 kg, 24 Vdc



NEW

MODELS

CODE	DESCRIPTION	PCS PALLET
 TUE4324  	For sliding gates up to 400 kg, 24 Vdc motor with mechanical limit switches, CT10324 control unit. Non-intensive use.	36
 TUE5324F  	For sliding gates up to 500 kg, 24 Vdc motor with magnetic limit switches, CT10324 control unit. Intensive use. Fastline	36
 TUE6324  	For sliding gates up to 600 kg, 24 Vdc motor with mechanical limit switches, CT10324 control unit. Non-intensive use.	36
 TUE8324  	For sliding gates up to 800 kg, 24 Vdc motor with mechanical limit switches, CT10324 control unit. Intensive use.	36
 TUE12324  	For sliding gates up to 1200 kg, 24 Vdc motor with mechanical limit switches, CT10324 control unit. Intensive use.	36

PLUS

Extremely silent mechanics and robust die-cast aluminum shells with powder coating

With 24 Vdc CT10324 control unit with integrated display programmable with smartphone

Compatibility with fixing plate for Came* series BX and Nice* Robus/Rox 600-1000

Easy maintenance thanks to the horizontal control unit position

High technological materials resistant to weather conditions

Stylish design screwless at sight

Robust and high-performance motors

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

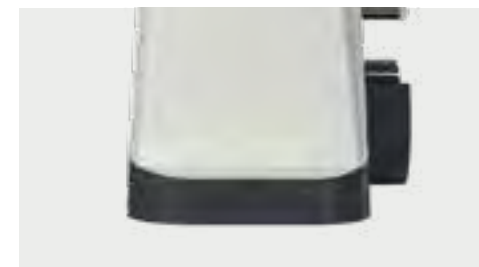
Bracket kit for backward compatibility Turbo S on Faac* 746

More power with zero noise thanks to the new mechanical reductions

Low Energy version, with reduced stand-by current consumption



Battery backup housing KBPN and control unit CT10324 on 24 Vdc models



Without visible screws, cover retention system hidden within the release lever



New mechanical reductions for the best result in terms of robustness and silence



Fixing holes compatible with: Nice* Robus/Rox 600-1000 series, Came* BX series, Faac* 746 (with specific additional accessory)

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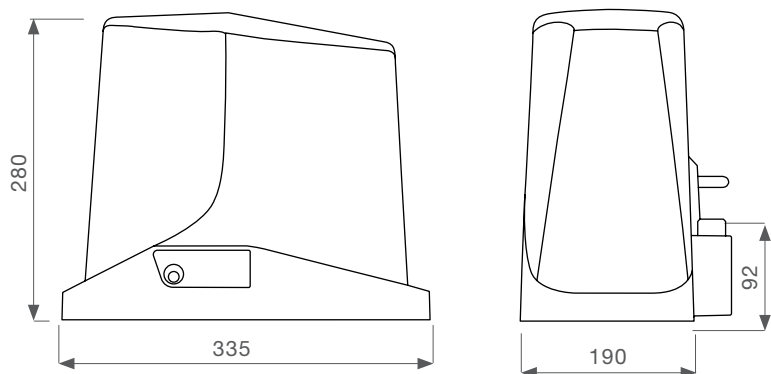
TECHNICAL DATA

		TUE4324	TUS5324F	TUS6324	TUS8324	TUS12324
MECHANICAL DATA						
speed*	cm/s	24*	40*	24*	25*	20*
torque	Nm	12	23	18	26	38
cycles/hour **		40	40	40	40	50
ELECTRICAL DATA						
control unit		CT10324	CT10324	CT10324	CT10324	CT10324
automation power supply	Vac	230	230	230	230	230
frequency	Hz	50/60	50/60	50/60	50/60	50/60
motor power supply	Vdc	24	24	24	24	24
consumption	A	1,1	1,3	1,2	1,5	1,3
absorbed power	W	250	300	250	345	300
GENERIC DATA						
protection degree	IP	44				
dimensions (L - D - H)	mm	335 - 190 - 280				
weight	kg	7	8,5	8	8,5	8,8
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55	-20 + 55
gate maximum weight	kg	400	500	600	800	1200

* Variable data according to gate weight

** Cycles/hour referring to a standard gate with a length of 4m and weight of 200kg, evaluated at an ambient temperature of 20°C

DIMENSIONS



ACCESSORIES

 RN800 ** M4 nylon rack L=1000 mm for gates up to 800 kg €/m	 CREM-8 *** M4 zinc coated rack 30x8 mm L=1000 mm €/m	 CREM-12 *** M4 zinc coated rack 30x12 mm L=1000 mm €/m	 FIMAT Magnetic limit switch conversion kit PC 1
 KUBEPROW Wireless programming module BLE/Wi-Fi PC 1	 KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1	 KBPN Kit of 1.3 Ah NiMH battery and battery charger PC 1	 STAF097A00 Bracket kit for backward compatibility TURBO S on Faac 746 PC 2

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 ** Pack of 10 pcs
 *** Pack of 4 pcs

TURBO S KIT

FOR SLIDING GATES UP TO 1200 kg, 24 Vdc



PLUS

Extremely silent mechanics and robust die-cast aluminum shells with powder coating

With 24 Vdc CT10324 control unit with integrated display programmable with smartphone

Compatibility with fixing plate for Came* series BX and Nice* Robus/Rox 600-1000

Easy maintenance thanks to the horizontal control unit position

High technological materials resistant to weather conditions

Stylish design screwless at sight

Robust and high-performance motors

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

Bracket kit for backward compatibility Turbo S on Faac* 746

Low Energy version, with reduced stand-by current consumption



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing data in a simple and intuitive way thanks to the KUBEPROW wireless module

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
KTUE4324ES	Kit for sliding gates up to 400 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Non-intensive use.	11,1 kg	36
KTUE4324KS	Kit for sliding gates up to 400 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Non-intensive use.	10,6 kg	36
KTUE5324FES	Kit for sliding gates up to 500 kg, 24 Vdc motor with magnetic limit switches, CT10324 control unit with an integrated receiver. Intensive use.	13 kg	36
KTUE5324FKS	Kit for sliding gates up to 500 kg, 24 Vdc motor with magnetic limit switches, CT10324 control unit with an integrated receiver. Intensive use.	12,8 kg	36
KTUE6324ES	Kit for sliding gates up to 600 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Non-intensive use.	12,1 kg	36
KTUE6324KS	Kit for sliding gates up to 600 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Non-intensive use.	11,6 kg	36
KTUE8324ES	Kit for sliding gates up to 800 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use.	12,9 kg	36
KTUE8324KS	Kit for sliding gates up to 800 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use.	12,7 kg	36
KTUE12324ES	Kit for sliding gates up to 1200 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use.	12,9 kg	36
KTUE12324KS	Kit for sliding gates up to 1200 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use.	12,7 kg	36

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KIT COMPONENTS 24 Vdc

						
	TURBO	LUMY LED	RX4K	EGPH1/FT23	SUB44WR	SUB44R
CT10324						
KTUE4324ES	• 1 PC	•	INTEGRATED	• EGPH1	• 2 PCS	
KTUE4324KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUE5324FES	• 1 PC	•	INTEGRATED	• EGPH1	• 2 PCS	
KTUE5324FKS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUE6324ES	• 1 PC	•	INTEGRATED	• EGPH1	• 2 PCS	
KTUE6324KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUE8324ES	• 1 PC	•	INTEGRATED	• EGPH1	• 2 PCS	
KTUE8324KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUE12324ES	• 1 PC	•	INTEGRATED	• EGPH1	• 2 PCS	
KTUE12324KS	• 1 PC		INTEGRATED	• FT23		



TURBO S

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



NEW

PLUS

Extremely silent mechanics and robust die-cast aluminum shells with powder coating

New CT103 control unit connected with integrated receiver

Compatibility with fixing plate for Came* series BX and Nice* Robus/Rox 600-1000 motors

Easy maintenance thanks to the horizontal control unit position

High technological materials resistant to weather conditions

Stylish design screwless at sight

Robust and high-performance motors

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

Bracket kit for backward compatibility Turbo S on Faac* 746

MODELS

CODE		DESCRIPTION	PCS PALLET
TUE63		For sliding gates up to 600 kg, 230 Vac motor, control unit with slowdown and electric limit switches. Non-intensive use	36
TUE93		For sliding gates up to 900 kg, 230 Vac motor, control unit with slowdown and electric limit switches. Non-intensive use	36
TUE123		For sliding gates up to 1200 kg, 230 Vac motor, control unit CT103 with slowdown and electric limit switches. Non-intensive use	36
TUE163		For sliding gates up to 1600 kg, 230 Vac motor, control unit CT103 with slowdown and electric limit switches. Non-intensive use	36



Without visible screws, cover retention system hidden within the release lever



Fixing holes compatible with:
Nice* Robus/Rox 600-1000 series, Came* BX series
Faac* 746 (with specific additional accessory)
and KEY Turbo



Increased motor performance: capacity increased from 500 to 600 kg and from 800 to 900 kg



New CT103 control unit connected and with 5-digit display

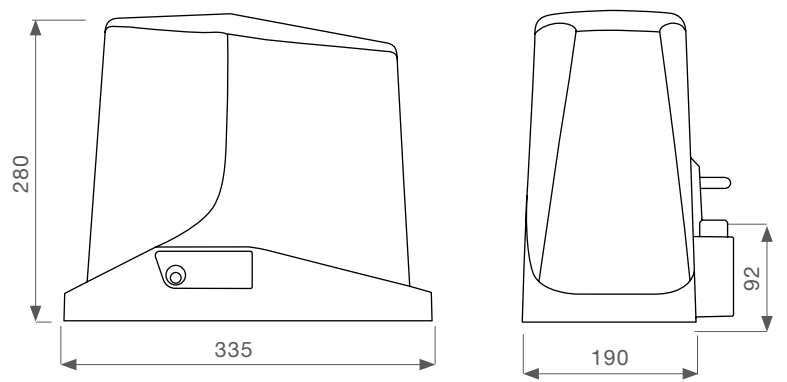
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TECHNICAL DATA

		TUE63	TUE93	TUE123	TUE163
MECHANICAL DATA					
speed*	cm/s	16	16	16	16
torque	Nm	16	29	35	40
cycles/hour **		20	20	20	20
ELECTRICAL DATA					
control unit		CT103			
voltage	Vac	230	230	230	230
consumption	A	1,7	2	2,6	3
absorbed power	W	380	450	600	700
GENERIC DATA					
protection degree	IP	44			
dimensions (L - D - H)	mm	335 - 190 - 280			
weight	kg	9,1	9,8	10,8	11,5
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55
gate maximum weight	kg	600	900	1200	1600

* Variable data according to gate weight
 ** Cycles/hour referring to a standard gate with a length of 4m and weight of 200kg, evaluated at an ambient temperature of 20°C

DIMENSIONS



ACCESSORIES

RN800 **
M4 nylon rack
L=1000 mm for
gates up to 800 kg

€/m

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

€/m

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

€/m

FIMAT
Magnetic limit switch conversion kit

PC 1

STAF097A00
Bracket kit for backward
compatibility Turbo S on
Faac® 746

PCS 2

KUBEPROW
Wireless programming
module BLE/Wi-Fi

PC 1

KUBEW
Module for automation control
via smartphone using
BLE/Wi-Fi

PC 1

* The trademarks are only quoted for information purposes and are not owned or licensed to KEY AUTOMATION
 ** Pack of 10 pcs
 *** Pack of 4 pcs

TURBO S KIT

FOR SLIDING GATES UP TO 1600KG, 230 Vac



PLUS

- New CT103 control unit connected with integrated receiver

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

Easy maintenance thanks to the horizontal control unit position

Compatibility with fixing plate for Came* series BX and Nice* Robus/Rox 600-1000 motors

High technological materials resistant to weather conditions
- Stylish design screwless at sight

Electric limit switches

Robust and high-performance motors

Extremely silent mechanics and robust die-cast aluminum shells with powder coating

Bracket kit for backward compatibility Turbo S on Faac* 746

Low Energy version, with reduced stand-by current consumption

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KTUE63ES 	Kit for automating sliding gates up to 600 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	12,9 kg	36
 KTUE63KS 	Kit for automating sliding gates up to 600 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	12,7 kg	36
 KTUE93ES 	Kit for automating sliding gates up to 900 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	13,6 kg	36
 KTUE93KS 	Kit for automating sliding gates up to 900 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	13,3 kg	36
 KTUE123ES 	Kit for automating sliding gates up to 1200 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	12,9 kg	36
 KTUE123KS 	Kit for automating sliding gates up to 1200 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	12,7 kg	36
 KTUE163ES 	Kit for automating sliding gates up to 1600 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	13,6 kg	36
 KTUE163KS 	Kit for automating sliding gates up to 1600 kg, 230 Vac motor, CT103 control unit with slowdown and electric limit switches. Non-intensive use	13,3 kg	36

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KIT COMPONENTS 230 Vac

						
	TURBO	LUMY LED	RX4K	EGPH1/FT23	SUB44WR	SUB44R
CT103						
KTUE63ES	• 1 PC	•	INTEGRATED	• EGPB1	• 2 PCS	
KTUE63KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUE93ES	• 1 PC	•	INTEGRATED	• EGPB1	• 2 PCS	
KTUE93KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUE123ES	• 1 PC	•	INTEGRATED	• EGPB1	• 2 PCS	
KTUE123KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUE163ES	• 1 PC	•	INTEGRATED	• EGPB1	• 2 PCS	
KTUE163KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS



SELECTION GUIDE

SYSTEM FOR SECTIONAL AND OVERHEAD DOORS

HALO

GEAR MOTOR FOR SECTIONAL DOORS UP TO 19 M² AND
OVERHEAD DOORS UP TO 17 M²

24 Vdc, intensive use, up to 12 m² **HAE8**

24 Vdc, intensive use, up to 19 m² **HAE12**

BLINDO

GEAR MOTOR FOR SPRING OR COUNTERWEIGHT
OVERHEAD DOORS UP TO 9 M² (12 M² TWO MOTORS)

230 Vac, non-intensive use **BS-50**

230 Vac, non-intensive use **BSE53**

24 Vdc, intensive use **BSE5324**

24 Vdc, intensive use **BS5024**

24 Vdc, intensive use **BSE5324BM**

NON-INTENSIVE USE means non-continuous use of the motor, ideal for private homes or single-family homes.
INTENSIVE USE means a more assiduous use of the motor, therefore ideal for condominiums and multi-family homes
(not suitable for commercial or industrial use)



HALO

AUTOMATION AND LIGHTING IN A SINGLE PRODUCT



"CIRCLE OF LIGHT"

The word 'Halo' represents the effect that the motor intends to generate inside the garage, simultaneously transforming it into a refined designer LED lamp

AUTOMATION SYSTEM AND LIGHTING

HALO combines the utility of automation with that of lighting, in line with the Night Light System created by Key Automation, allowing your garage to be illuminated automatically

The light enhances the space of the garage and provides the installer the option of simultaneously connecting the automation system and the LED lighting

TECHNOLOGICAL INNOVATION

Technology is at the core of the innovation. Installation can be in the traditional mode or in two new positions - on the lintel and through the spring holder shaft

These two new installations not only save time in assembly and wiring, but also make the luminaire the centrepiece by minimising the visual impact of the automation system

ELECTRONIC INNOVATION

HALO benefits from all the features of the KUBEW "IoT" platform:
Programming via two keys or with KUBEPROW receiver or with DYL wired programmer

Notification of maintenance and/or malfunctions on app (with KUBEW)

Editing of parameters remotely (with KUBEW)

Door opening via smartphone (with KUBEW)

Dip-switch to bypass safeties (photo + sensitive edge)

Built-in radio receiver

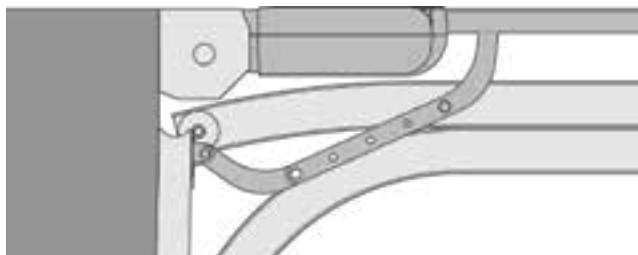
Electronics covered by accidental damage

INSTALLATION MODES



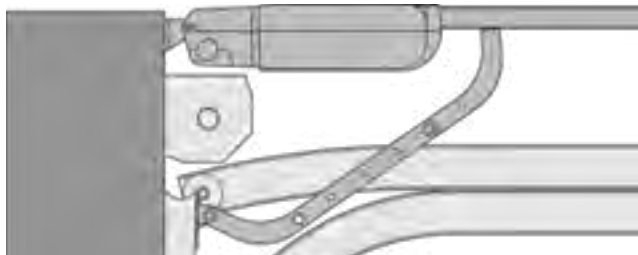
CLASSIC INSTALLATION

With head in the center of the garage



SPRING SHAFT INSTALLATION

All wiring remains on the cross beam
Shorter installation times
Less weight projecting into centre of garage



CROSS BEAM INSTALLATION

All wiring remains on the cross beam
Reinforces the spring shaft for added rigidity
Shorter installation times
Less weight projecting into centre of garage

NEW



HEAD UNIT

Compact head unit (total height 8 cm) with rail integral in unit, allowing installation close to the spring shaft

LED courtesy light

Side-opening hatch for access to electronics

Builder button (external step-by-step operating button)

Compact 24 Vdc motor with special low profile

Motor sizes: 800 Nm and 1200 Nm

Optional battery pack

CARRIAGE

Completely integrated into the rail

Permanent release using rope with manual reset

Prefitted for release from outside with metal cable

Two symmetrical door connections: allows three automation mounting modes

LED RAIL

Available with belt drive system

Illuminates garage with two rows of LEDs up to 4 m long, total output 40W LED

Lighting-industry grade polycarbonate LED cover

Very low power consumption thanks to LED technology

Extruded aluminium rail powder-coated in RAL9010

Rail opening designed to minimise carriage visibility

Minimal, elegant ceiling mounting fixture

One-piece rail

STANDARD RAIL

Steel C-section available with belt drive system

Total length 3 or 4m

One-piece or 3-piece rail for 3m length



PLUS

Side-opening hatch for access to electronics

Illuminates the garage with double row of leds with maximum length of 4 m for a total of 40W LED

Carriage completely integrated into the rail

Two-button programming or with KUBEPROW receiver or with DYL cabled display

Door opening via smartphone (with KUBEW)

Extruded aluminium rubber powder-coated in RAL9010

Standard rail with C profile in steel with belt traction, total length of 3, 4 or 6m, rail in a single piece or in 3 pieces 3 m-long each

3 installation modes: classic, on cross beam, on spring shaft

Compact head unit (total height 8 cm) with runner integral in unit, allowing installation close to the spring shaft

Low Energy version, with reduced stand-by current consumption

MODELS

CODE	DESCRIPTION	PCS PALLET
HAE8	For sectional doors up to 11 m ² (with 3 m rail) or 12 m ² (with 4 m rail), a 24 Vdc motor and a control unit with integrated receiver. Intensive use	64
HAE12	For sectional doors up to 16 m ² (with 3 m rail) or 19 m ² (with 4 m rail), a 24 Vdc motor and a control unit with integrated receiver. Intensive use	64

GUIDE

CODE	DESCRIPTION
RAL31	Aluminum belt rail with integrated LED lighting, 3090 mm (1x3m) one-piece rail
RAL41	Aluminum belt rail with integrated LED lighting, 4090 mm (1x4m) one-piece rail
RAB3X1P	Steel belt rail, 3100 mm (3x1.03m) 3-pieces rail
RAB2X2P	Steel belt rail, 4100 mm (2x2.05m) 2-pieces rail
RAB31	Steel belt rail, 3100 mm (1x3.1m) one-piece rail
RAB41	Steel belt rail, 4100 mm (1x4.1m) one-piece rail
RAB61	Steel belt rail, 6200 mm (2x3.1m) 2-pieces rail



Rail with LED light



Side-opening hatch



Compact head unit (total height 8 cm)



Installations on spring shaft/cross beam

TECHNICAL DATA

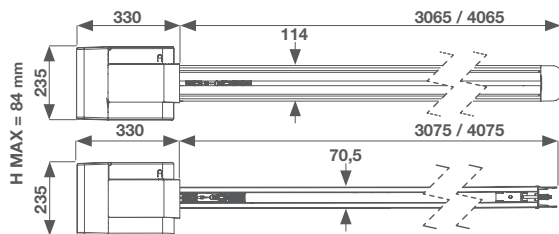
		HAE8	HAE12
MECHANICAL DATA			
speed	cm/s	15	15
force	N	800	1200
cycles/hour*		20	20
ELECTRICAL DATA			
voltage	Vac	230 (±10%) 50Hz	230 (±10%) 50Hz
flashing	W	3 max	3 max
courtesy light on rail with integrated LEDs	W	-	40 max
accessories power output	mA	100 (24 Vdc non regolati)	
max no. of transmitters that can be stored rolling code		90	90
GENERIC DATA			
protection degree	IP	20	20
dimensions (L - D - H)	mm	330 - 235 - 84	
weight	kg	6,5	6,9
working temperature	°C	-10 + 45	-10 + 45
maximum door size	m²	12	19
maximum door weight	kg	120	200

* measured on door LxH 2.4x2m. Data subject to smoothness, garage door balance and type of rail used

LIMIT USE

Sectional	Up-and-over slide-away	Sectional	Up-and-over slide-away
HAE8 with 3 m rail		HAE12 with 3 m rail	
S max=11m² - H max = 2,6m	S max=10m² - H max = 3m	S max=16m² - H max = 2,6m	S max=16m² - H max = 3m
HAE8 with 4 m rail		HAE12 with 4 m rail	
S max=12m² - H max = 3,6m	S max=11m² - H max = 3,4m	S max=19m² - H max = 3,6m	S max=17m² - H max = 3,4m

DIMENSIONS

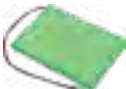


COMPATIBILITY HEAD - RAIL

	HAE8	HAE12
RAB31	X	X
RAB2X2P	X	X
RAB3X1P	X	X
RAB41		X
RAB61		X
RAL31	X*	X
RAL41		X

* Up to 8 m²

ACCESSORIES

 KBPN Kit of 1.3 Ah NiMH battery and battery charger PC 1	 KBP Kit of 1.3 Ah lead battery and battery charger PC 1	 HAL2 Swinging arm for counterweight overhead doors PC 1	 HAL7 Motor support bracket for HAL2 L=1400 mm. For up and over doors PC 1
 HAL1S Kit for external unlock with key and metal cord for insulated overhead doors PC 1	 HAL6 Ceiling support bracket for LED rails RAL31 and RAL41 PC 1	 SBLST Kit for external unlock with key and metal cord for uninsulated overhead doors PC 1	 HAL3 Kit supplementary fixing ceiling rail (for steel rail) PC 1
 HAL4 Kit 2 supplementary fixing clamps PC 1	 HAL5 Kit supplementary fixing ceiling rail (for LED rail) PC 1	 SBC06 External unlocking system L=6200mm PC 1	 550CABL045A00 * Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m) PC 1
 520STAF029A00 Fixing clamp PC 1	 TIP2SD Touch transmitter, 2 channels, with light and presence sensors PC 1	 DYL Programming module Cable length 120 cm (only 14A board) PC 1	 KUBEPROW Wireless programming module BLE/Wi-Fi PC 1
 KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1			

* it is not recommended to use a connection longer than 4 m to avoid loss of range

HALO KIT

ELECTROMECHANICAL GEAR MOTOR FOR SECTIONAL DOORS UP TO 19 M² AND OVERHEAD DOORS UP TO 17 M², 24 Vdc



PLUS

Battery back-up

New built-in LED courtesy light

Water resistant SUB remote control included

New PLAY remote control included



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing data in a simple and intuitive way thanks to the KUBEPROW wireless module

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
  HAE8SS 	For sectional doors up to 11 m ² (with 3 m rail) or 12 m ² (with 4 m rail), a 24 Vdc motor and a control unit with an integrated receiver. Intensive use	6,7 kg	64
  HAE12SS 	For sectional doors up to 16 m ² (with 3 m rail) or 19 m ² (with 4 m rail), a 24 Vdc motor and a control unit with an integrated receiver. Intensive use	7,1 kg	64
  HAE8PP 	For sectional doors up to 11 m ² (with 3 m rail) or 12 m ² (with 4 m rail), a 24 Vdc motor and a control unit with an integrated receiver. Intensive use	6,7 kg	64
  HAE12PP 	For sectional doors up to 16 m ² (with 3 m rail) or 19 m ² (with 4 m rail), a 24 Vdc motor and a control unit with an integrated receiver. Intensive use	7,1 kg	64

KIT COMPONENTS

			
	HEAD	SUB44WR	PLAY4R
HAE8SS	• 1 PC	• 2 PCS	
HAE12SS	• 1 PC	• 2 PCS	
HAE8PP	• 1 PC		• 2 PCS
HAE12PP	• 1 PC		• 2 PCS



ELECTROMECHANICAL GEAR MOTOR FOR SPRING OR COUNTERWEIGHT OVERHEAD DOORS UP TO 9 MQ (12 M² TWO MOTORS),
24 Vdc AND 230 Vac



MODELS

CODE	DESCRIPTION	PCS PALLET
BS-50	For spring or counterweight overhead doors up to 9 m², 230 Vac motor, without control unit. With internal release system and preset for unlocking from outside. Non-intensive use	40
BSE53	 For spring or counterweight overhead doors up to 9 m², 230 Vac motor, control unit and slowdown, with limit switches. With internal release system and preset for unlocking from outside. Non-intensive use	40
 BSE5324	 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. Intensive use	40
 BS5024	For spring or counterweight overhead doors up to 9 m², 24 Vdc motor, without control unit. With internal release system and preset for unlocking from outside. Intensive use	40
 BSE5324BM	 For spring or counterweight overhead doors up to 12 m², 24 Vdc motor, control unit, with encoder and slowdown. With release system and preset for unlocking from outside. Intensive use, version for two engines	40

PLUS

230 Vac motor, with pre-installed opening and closing limit switches
24 Vdc motor with encoder
With 24 Vdc CT10324 control unit with integrated display
With 230 Vac CT103 control unit with integrated display

With slowdown function, granting doors integrity
External release for easy manual unlock from outside



Easy installation brackets



Gearbox with metal gears



New CT103 control unit with integrated receiver programmable with KUBEPROW

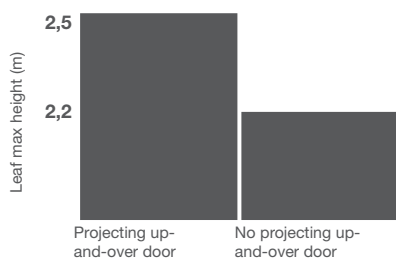


KUBEW and KUBEPROW

TECHNICAL DATA

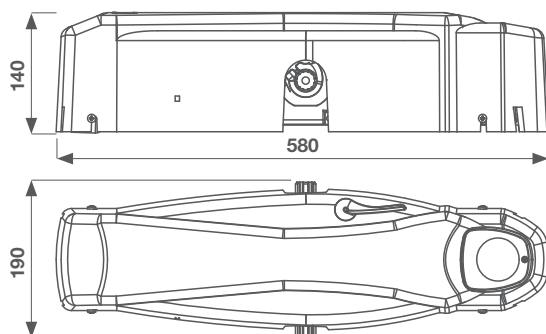
		BS-50	BSE53	BSE5324	BS5024	BS5324BM
MECHANICAL DATA						
torque	Nm	440	440	350	350	500
cycles/hour		30	30	80	80	55
ELECTRICAL DATA						
control unit	-	CT103	CT10324	-	CT10324	
voltage	Vac	230	230	230	24	230
consumption	A	1,8	1,8	1,3	-	1,8
absorbed power	W	400	400	300	-	380
capacitor	µF	12,5	12,5	-	-	-
thermoprotection	°C	150	150	-	-	-
integrated lights	si	si	si	si	si	si
GENERIC DATA						
protection degree	IP	43	43	43	43	43
dimensions (L - D - H)	mm	580-190-140	580-190-140	580-190-140	580-190-140	580-190-140
weight	kg	9,4	10,5	12	9,4	12,5
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55	-20 + 55
door maximum dimensions	m ²	9	9	9	-	12

LIMIT USE



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

DIMENSIONS



ACCESSORIES

 BC Standard curved telescopic arm PC 1	 BDNS2 Straight telescopic arm with drill round bar to avoid welding pipes PC 1	 BDBOC Telescopic arm for garage doors PC 1	 BOC Bushing PC 1
 SBC06 External unlocking system L=6200mm PC 1	 HAL1S Kit for external unlock with key and metal cord for insulated overhead doors PC 1	 SBLST Kit for external unlock with key and metal cord for uninsulated overhead doors PC 1	 ST2000 Motor support bracket. L=2000 mm PC 1
 TZ200B Pair of transmission arms, length 200 mm, with supports PC 1	 TZ1500B Pair of transmission arms, length 1500 mm, with supports PC 1	 TZ2000B Pair of transmission arms, length 2000 mm, with supports PC 1	 KUBEPROW Wireless programming module BLE/Wi-Fi PC 1
 KUBEW Module for automation control via smartphone using BLE/Wi-Fi PC 1			

BLINDO KIT

FOR OVERHEAD DOORS UP TO 9 m², 24 Vdc AND 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



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud



Possibility of programming and managing data in a simple and intuitive way thanks to the KUBEPROW wireless module

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KBSE53JS	 Kit for spring and counterweight overhead doors up to 9 m ² , 230 Vac motor, control unit with slowdown function (with control unit CT103) Non-intensive use	10,6 kg	16
  KBSE5324JS	 Kit for spring and counterweight overhead doors up to 9 m ² , 24 Vdc motor, control unit with slowdown function (with control unit CT10324). Intensive use	9,9 kg	16
BSF2	Motor support bracket kit + pair of transmission shafts L= 1500 mm + pair of straight telescopic arms	26 kg	16

KIT COMPONENTS

							
	BLINDO	RX4K	SUB44WR		BDNS2	ST2000	TZ1500B
KBSE53JS	•	INTEGRATED	• 2 PCS		• 2 PCS	•	•
KBSE5324JS	•	INTEGRATED	• 2 PCS				





KEY INDUSTRY

INDUSTRIAL AND COMMERCIAL SOLUTIONS

SYSTEMS FOR *SWING GATES*

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SYSTEMS FOR *SLIDING GATES*

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ROAD *BARRIERS*

ALT	92
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SELECTION GUIDE

SYSTEMS FOR SWING GATES

STAR 500

GEAR MOTOR FOR LEAVES UP TO 5 m

230 Vac, non-intensive use

PS-400FA

24 Vdc, intensive use

PS400-24FA

NON-INTENSIVE USE means non-continuous use of the motor, ideal for private homes or single-family homes.
INTENSIVE USE means a more assiduous use of the motor, therefore ideal for condominiums and multi-family homes
(not suitable for commercial or industrial use)



STAR 500

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



MODELS

CODE	DESCRIPTION	PCS PALLET
PS-400FA	For swing gates with maximum length 5 m, 230 Vac motor, with opening mechanical stop. Non-intensive use	25
 PS400-24FA	For swing gates with maximum length 5 m, 24 Vdc motor, with opening mechanical stop, with encoder. Intensive use	25

PLUS

Easy mechanical release

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

Opening mechanical stop to control your gate movement

Compatible with 230 Vac control unit CTE203

Compatible with 24 Vdc control unit 14ABE2

Mechanical parts well protected from weather conditions



Robust bronze lock nut on endless screw



Easy mechanical release



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

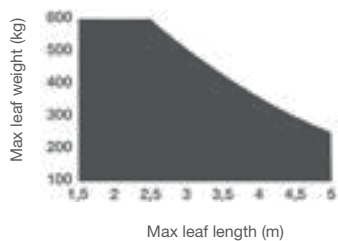


Full-metal reduction

TECHNICAL DATA

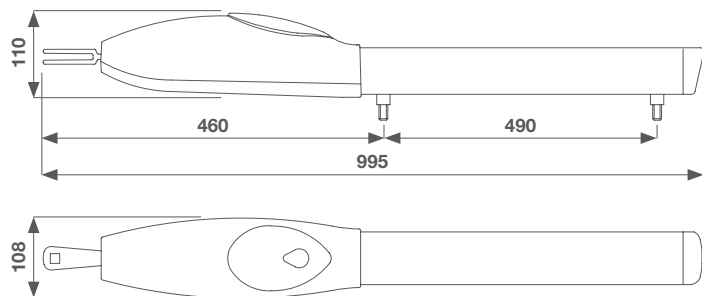
		PS-400FA	PS400-24FA
MECHANICAL DATA			
speed	cm/s	1,4	2,7
pulling force	N	1800	1400
cycles/hour		15	80
opening time at 90°	sec	35	25-35
ELECTRICAL DATA			
control unit		CTE203	14ABE2
voltage	Vac	230	-
	Vdc	-	24
consumption	A	1,1	5
absorbed power	W	250	120
capacitor	µF	10	-
thermoprotection	°C	150	-
GENERIC DATA			
protection degree	IP	44	44
dimensions (L - D - H)	mm	995 - 108 - 110	995 - 108 - 110
weight	kg cad	9,5	8,8
working temperature	°C	-20 + 55	-20 + 55
leaf 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

DIMENSIONS



ACCESSORIES

 ELS-C Horizontal 12 V electrolock	 FC-PS Mechanical closing stop	 STPOAVS Rear welded bracket	 STANAV Front welded bracket
PC 1  14ABE2 Control unit in box for two 24 Vdc motors	PC 1  CTE203 Control unit in box for two 230 Vac motors	PC 1  DYL Programming module Cable length 120 cm (for 14A board)	PC 1  KUBEPROW Wireless programming module BLE/Wi-Fi
PC 1  KUBEW Module for automation control via smartphone using BLE/Wi-Fi	PC 1	PC 1	PC 1

SELECTION GUIDE

SYSTEMS FOR SLIDING GATES

STORM PRO

GEAR MOTOR FOR GATES UP TO 2500 kg

24 Vdc, continuous industrial use, up to 2500 kg **STO25024I**

24 Vdc, intensive use, up to 2500 kg **STO25024**

24 Vdc, continuous industrial use , up to 1200 kg  **ST12024FI**

24 Vdc, intensive use, up to 1200 kg  **STO12024F**

24 Vdc, intensive use, up to 1400 kg, reversible **STO14024R**

STORM

GEAR MOTOR FOR GATES UP TO 2000 kg

24 Vdc, non-intensive use, up to 2000 kg **STO20324**

TURBO 400

GEAR MOTOR FOR GATES UP TO 4000 Kg

400 Vac, non-intensive use, up to 4000 kg **SC400M**

NON-INTENSIVE USE means non-continuous use of the motor, ideal for private homes or single-family homes.
INTENSIVE USE means a more assiduous use of the motor, therefore ideal for condominiums and multi-family homes (not suitable for commercial or industrial use)
CONTINUOUS INDUSTRIAL USE means a highly intensive use of the motor, ideal for industries or commercial areas



STORM PRO

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES FOR INTENSIVE INDUSTRIAL USE UP TO 2500 kg, 24 Vdc



PLUS

New generation of gear motors for industry and commerce

Motor with 24 Vdc control unit MA24ISL offering extremely high performance

Programmable via smartphone with KUBE-PROW, KUBEW and DYL wired display

Large internal spaces for wiring and positioning accessories in DIN rail

7Ah buffer batteries in case of black-out

PowerBUS input for safety devices (up to 8 pairs of FT43PB photocells)

PowerBUS input for courtesy lights (up to 2 flashing lights and 2 EGO keyboards)

Space on the body for installing FT43/FT43PB photocells at a height of 50 cm

Courtesy LED lighting (optional) that can be activated via the Night Light System or as a courtesy light whilst manoeuvring

Up to a further 30 connectable lighting fixtures (aggregate power for lights + services: 40W)

Speed: 20 cm/sec, speed or 40 cm/sec (FASTLINE versions)

Magnetic limit switches

MODELS

CODE	DESCRIPTION	PCS PALLET
 STO25024I	For sliding gates up to 2500kg, 24 Vdc motor with cooling fan, control unit MA24ISL, magnetic limit switches. Continuous industrial use	16
 STO25024	For sliding gates up to 2500kg, 24 Vdc motor, control unit MA24ISE, magnetic limit switches. Intensive use	16
 STO12024FI 	For sliding gates up to 1200kg, FASTLINE version, 24 Vdc motor with cooling fan, control unit MA24ISL, magnetic limit switches. Continuous industrial use	16
 STO12024F 	For sliding gates up to 1200kg, FASTLINE version, 24 Vdc motor, control unit MA24ISE, magnetic limit switches. Intensive use	16
 STO14024R	For sliding gates up to 1400kg, 24 Vdc motor, control unit MA24ISER, magnetic limit switches. Intensive use. Reversible	16



New dedicated control unit MA24ISL / MA24ISE



7Ah buffer batteries (optional)



Air extraction fan for 100% intensity of use



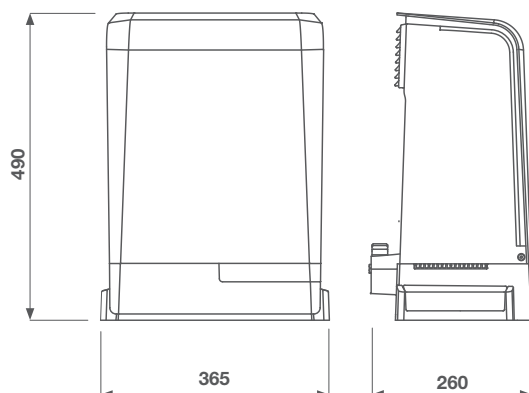
Space for installing photocells FT43/FT43PB at a height of 50 cm

TECHNICAL DATA

		STO25024I	STO25024	STO12024FI	STO12024F	STO14024R
MECHANICAL DATA						
speed	cm/s	20	20	40	40	20
torque	Nm	58	58	29	29	33
cycles/hour *		40	32	73	58	32
intermittency	%	100	80	100	80	80
ELECTRICAL DATA						
control unit		MA24ISL	MA24ISE	MA24ISL	MA24ISE	MA24ISER
automation power supply	Vac			230		
frequency	Hz			50/60		
motor power supply	Vdc			24		
mains absorption	A			3,5		
absorbed power	W			600		
transformer heat protection	°C			110		
GENERIC DATA						
protection degree	IP			44		
dimensions (L - D - H)	mm			365 - 490 - 260		
weight	kg			25		
working temperature	°C			-20 + 55		
gate maximum weight	kg	2500	2500	1200	1200	1400

* cycles/hour referring to a standard gate with a length of 8 m and weight of 600 kg, evaluated at an ambient temperature of 20°C

DIMENSIONS



ACCESSORIES

			
RUEL004A00 M6 Z12 pinion	CREM-12 * M4 zinc coated rack 30x12 mm L=1000 mm	CREM-30 ** M6 zinc coated rack 30x30 mm L=1000 mm	RX433S 433MHz plug-in receiver
PC 1	€/m	€/m	PC 1
			
RXBDS 868MHz bidirectional plug-in receiver with serial interface	STO1 Metallic protection cage	STO2 Interface board for LAN network wiring	STO3 2 LED strips with wiring
PC 1	PC 1	PC 1	PC 1
			
KBPP battery charger kit (for 7Ah batteries)	DYL Programming module Cable length 120 cm (for 14A board)	KUBEPROW Wireless programming module BLE/WI-FI	KUBEW Module for automation control via smartphone using BLE/Wi-Fi
PC 1	PC 1	PC 1	PC 1

* pack of 4 pcs
** pack of 2 pcs



PLUS

New generation of gear motors for industry and commerce

Motor with 24 Vdc dc control unit CT10324I with integrated display and receiver

Optional programming with KUBEPROW wireless module (from FW 2.0 version)

Large internal spaces for wiring and positioning accessories in DIN rail

2Ah buffer batteries in case of black-out

Space on the body for installing FT43 photocells at a height of 50 cm

Magnetic limit switches

MODELS

CODE	DESCRIPTION	PCS PALLET
 STO20324	For sliding gates up to 2000 kg, 24 Vdc dc motor, control unit CT10324I with magnetic limit switches. Non-intensive use	16



New control unit CT10324I with integrated receiver programmable with KUBEPROW



2Ah buffer batteries (optional)



Large internal spaces



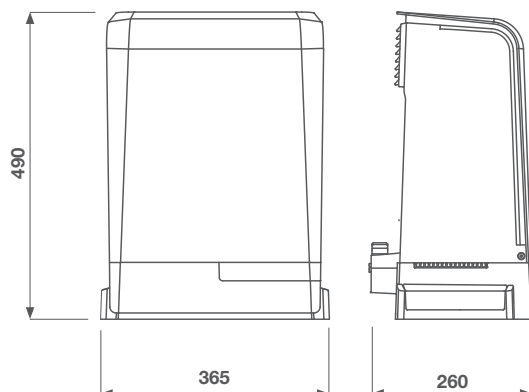
Space on the body for installing FT43 photocells at a height of 50 cm

TECHNICAL DATA

STO20324		
MECHANICAL DATA		
speed	cm/s	18
torque	Nm	36
cycles/hour *		16
intermittency	%	40
ELECTRICAL DATA		
control unit		CT10324I
automation power supply	Vac	230
frequency	Hz	50/60
motor power supply	Vdc	24
mains absorption	A	2,5
absorbed power	W	450
transformer heat protection	°C	110
GENERIC DATA		
protection degree	IP	44
dimensions (L - D - H)	mm	365 - 490 - 260
weight	kg	25
working temperature	°C	-20 +55
gate maximum weight	kg	2000

* cycles/hour referring to a standard gate with a length of 8 m and weight of 600 kg, evaluated at an ambient temperature of 20°C

DIMENSIONS



ACCESSORIES

			
RUEL004A00 M6 Z12 pinion	CREM-12 * M4 zinc coated rack 30x12 mm L=1000 mm	CREM-30 ** M6 zinc coated rack 30x30 mm L=1000 mm	STO1 Metallic protection cage
PC 1	€/m	€/m	PC 1
			
KBP Battery backup kit	KUBEPROW Wireless programming module BLE/Wi-Fi	KUBEW Module for automation control via smartphone using BLE/Wi-Fi	
PC 1	PC 1	PC 1	

* Pack of 4 pcs
** Pack of 2 pcs

TURBO 400

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



PLUS

Electric brake, to grant safety also on heaviest installations
Easy maintenance thanks to the control unit position

With 400 Vac control unit CT-400
Electronic and mechanical parts well protected from external debris

MODELS

CODE	DESCRIPTION	PCS PALLET
SC400M	For sliding gates up to 4000 Kg, 400 Vac motor, control unit with magnetic limit switch. M6 pinion	4



Anti-UV rays coating



Sturdy and high-performing motor

TECHNICAL DATA

SC400M		
MECHANICAL DATA		
speed	cm/s	17
torque	Nm	180
cycles/hour		20
ELECTRICAL DATA		
control unit		CT-400
voltage	Vac	400
consumption	A	2
absorbed power	W	750
thermoprotection	°C	150
GENERIC DATA		
protection degree	IP	44
dimensions (L - D - H)	mm	520 - 300 - 585
weight	kg	71
working temperature	°C	-20 + 55
gate maximum weight	kg	4000

ACCESSORIES



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

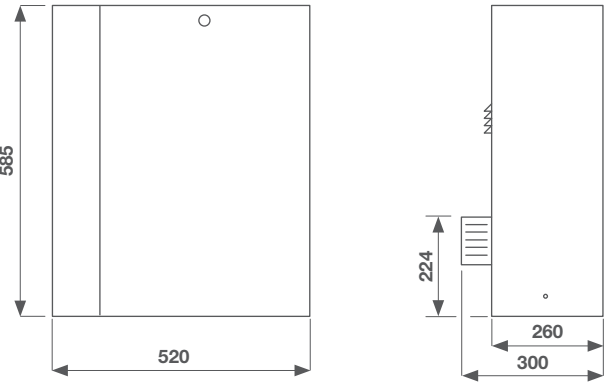
€/m



RXM23K
Universal receiver 2
channels
fix or rolling code

PC.1

DIMENSIONS



* Pack of 2 pcs

SELECTION GUIDE

ROAD BARRIERS

ALT3

BARRIER WITH BOOM ARM UP TO 3 m

24 Vdc, intensive use, with built-in flashing light

ALT3KF

ALT4

BARRIER WITH BOOM ARM UP TO 5 m

24 Vdc, intensive use, with built-in flashing light

ALT4K

ALT6

BARRIER WITH BOOM ARM UP TO 8,4 m

24 Vdc, intensive use, with built-in flashing light

ALT6K



ROAD BARRIER WITH DOUBLE BUILT-IN FLASHING LIGHT FOR BOOM ARMS FROM 3 TO 8,4 m, 24 Vdc



PLUS

For intensive use, for private and public solutions
Double built-in flashing light, two-coloured green/red

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

Universal box: boom arm can be installed both right or left

Possibility to set different speed in opening and closing motion Optional programming feature with the KUBEPROW wireless module (available from FW version 2.0)

Encoder for obstacle detection and immediate run inversion

Robust gears and levers for reliable functioning over time

Energy saving mode

Integrated receiver

Anti-UV rays epoxy power coating

Available also in a Low Energy version, with reduced stand-by current consumption

MODELS

CODE	DESCRIPTION	PCS PALLET
ALT3KF	Barrier body, 24 Vdc motor, with control unit in box, with integrated receiver, with encoder, double built-in LED flashing light. For 3 m boom arm, connection for boom arms included	5
ALT4K	Barrier body, 24 Vdc motor, with control unit in box, with integrated receiver, with encoder, double built-in LED flashing light. From 4 to 5 m boom arm, connection for boom arms included	8
ALT6K	Barrier body, 24 Vdc motor, with control unit in box, with integrated receiver, with encoder, double built-in LED flashing light. From 6 to 8,4 m boom arm, connection for boom arms included	5



Double LED flashing light



Metallic gear + shock resistant motor (ALT6K)



Control unit CT10324 with integrated display programmable with KUBEPROW



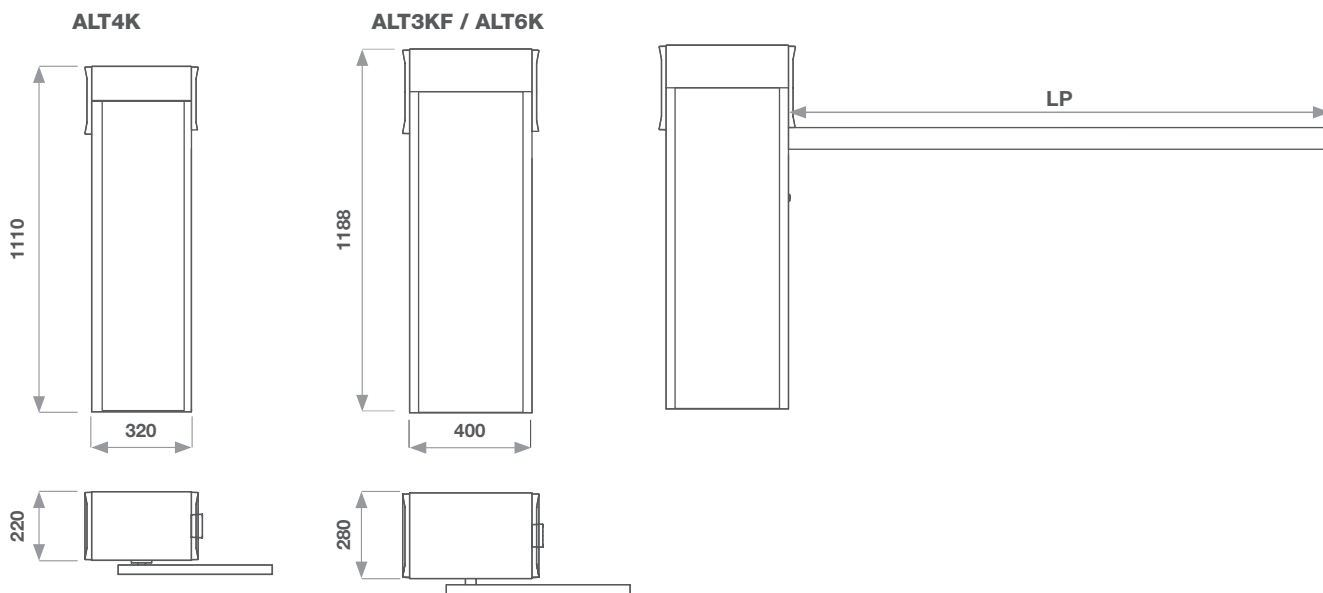
5m boom arm for 4K

TECHNICAL DATA

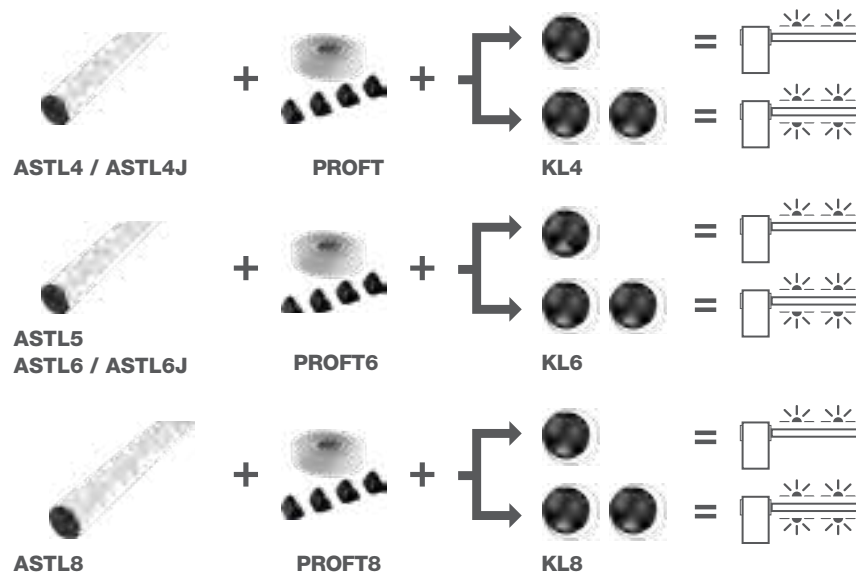
		ALT3KF	ALT4K	ALT6K
MECHANICAL DATA				
torque	Nm	40	200	305
cycles/hour		500	410	240/120
opening time at 90° ***	sec	1***	3,5***	6/12*
ELECTRICAL DATA				
control unit		CT10324F	CT10324	CT10324
alimentazione automazione	Vac	230	230	230
frequenza	Hz	50/60	50/60	50/60
alimentazione motore	Vdc	24	24	24
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	400 - 280 - 1188	320 - 220 - 1110	400 - 280 - 1188
weight	kg	67	42	76
working temperature	°C	-20 + 55	-20 + 55	-20 + 55
boom arm length	m	2,4/3	3/4 (5**)	4,5/6 (8,4*)

* with ASTL8
 ** with ASTL5
 *** without accessories

DIMENSIONS



HOW TO CHOOSE THE LED LIGHT SYSTEM FOR BARRIERS



BOOM ARM	CODE	CLEAR OPENING (LP)
3 m	ALT3KF + AST3F	2740 mm
4 m	ALT4K + ASTL4	3780 mm
4 m	ALT4K + ASTL4J	3780 mm
5 m	ALT4K + ASTL5	4780 mm
6 m	ALT6K + ASTL6	5640 mm
6 m	ALT6K + ASTL6J	5640 mm
8,4 m	ALT6K + ASTL8	8040 mm

ALT3KF ACCESSORIES



AST3F
Aluminum tubular boom arm
L=3 m Ø 60 mm (not fitting
with accessories)

PC 1



CP-BR6
Anchorage plate
with rag bolts for models
ALT3KF and ALT6K

PC 1

ALT4K ACCESSORIES



ASTL4
Aluminum boom arm
L=4 m Ø 60 mm
(without accessories)

PC 1



ASTL4J
2+2 m aluminum boom arm Ø
60 mm + joint

PC 1



PROF041B00
Optional reinforcement for
the 4-metre pole for models
ASTL4 and ASTL4J

PC 1



AS-SNO3
Aluminum boom arm with
articulated joint (max. L. 3 m)
preassembled. (Only for ALT4K)

PC 1



ASTL5 *
Tubular aluminium pole L=5
m Ø 60 mm with internal
reinforcement (not equipped)

PC 1



CP-BR
Anchorage plate
with rag bolts for model
ALT4K

PC 1



PROFT
Flexible rubber profile,
8 m and plug set for ASTL4
(transparent)

PC 1

ALT6K ACCESSORIES



ASTL6
Aluminum boom arm,
L=6 m Ø 90 mm
(without accessories)

PC 1



ASTL6J
3+3 m aluminum boom arm,
Ø 90 mm + joint

PC 1



ASTL8 **
4,2+4,2 m
aluminum boom arm, Ø 90
mm + joint + springs

PC 1



CP-BR6
Anchorage plate
with rag bolts for modelsAL-
T3KF and ALT6K

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



KL4
Led lights for 4 m bar
intensity led increased by
400%

PC 1



KL6
Led lights for 5 and 6 m bar
intensity led increased by
400%

PC 1



KL8
Led lights for 8 m bar
intensity led increased by
400%

PC 1



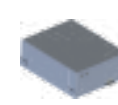
LOOP2
Magnetic sensor, one coil, one
outputs

PC 1



SKIRT2
Kit fence, length
1,7 m

PC 1



KBP
Battery back-up kit

PC 1



KITFIXBATT
24 VdcFixing Brackets for
Batteries Kit

PC 1



TWIN
Interface for
master/slave function

PC 1



AD
Red Reflective Adhesive
Strips. 10-Piece Kit.

PCS 10



KUBEPROW
Wireless programming
module BLE/Wi-Fi

PC 1



KUBEW
Module for automation control
via smartphone using
BLE/Wi-Fi

PC 1



KUBEU
Bluetooth low energy control
module with two 5A relay
outputs

PC 1

* for ASTL5 the combining of PROFT6, KL6 and APFX is recommended

** for ASTL8 the combining of APFX is recommended



KEY ACCESSORIES

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KUBE U

BLUETOOTH LOW ENERGY CONTROL MODULE WITH TWO 5A RELAY OUTPUTS



NEW

PLUS

- Controls two outputs with 5A relays
- Possibility of connecting directly to the electric lock (for example ELS-C)
- Allows access control with and without time limits
- Configurable icons
- KUBE U gives you the possibility of controlling:
 - Motors for gates, garage doors and road barriers (OPEN/CLOSE/STOP controls) by Key Automation or other companies
 - Electric locks for access to highly frequented environments (B&Bs, condominium entrances, multipurpose commercial centres)
 - Lighting, burglar alarms and irrigation systems

MODELS

CODE	DESCRIPTION
KUBEU	Bluetooth Low Energy control module with two 5a relay outputs



Sharing with unlimited users, via email or WhatsApp



Possibility of connecting different devices



Possibility of breaking the fixing tabs for built-in installations



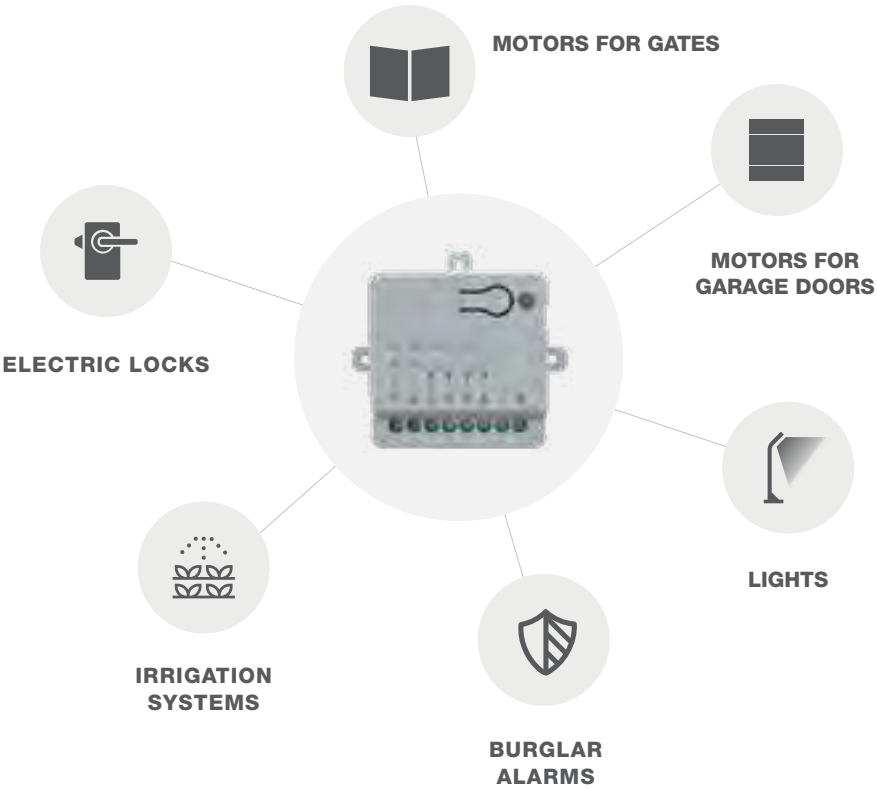
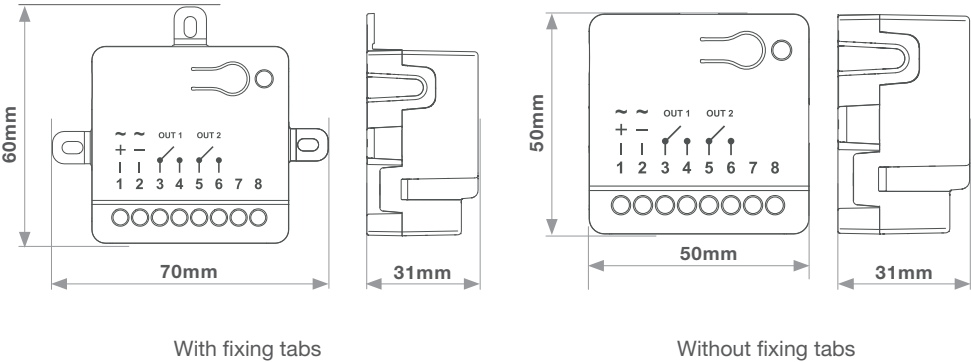
Access control with and without time limits

TECHNICAL DATA

KUBEU		
power supply	Vac	12-24
	Hz	50/60
	Vdc	12-35
maximum power consumption	W	0,6
cycles/hour	continuous	
maximum current (resistive load)	A	5
relay contact voltage	V	30
maximum relay contact voltage	Vac	35
	Vdc	50
output behaviour (bistable only output two)	monostable/bistable or timed	
bluetooth frequency	GHz	2,4
antenna	built-in/external (SMA)	
typical operating distance*	m	< 30
protection rating	IP	4X
operating temperature	°C	-20 + 55
electrical insulation class	III	
dimensions with mounting lugs	70 - 60 - 31 mm	
dimensions without mounting lugs	50 - 50 - 31 mm	
weight	kg	0,045
minimum requirements for Smartphone App	iOS 13, Android 9	

* performance can be significantly affected if transmission occurs from inside a vehicle, or in the presence of metal, metal mesh or concrete structures

DIMENSIONS



KUBEW / KUBEWA / KUBEPROW



MODULE FOR PROGRAMMING AND CONTROL VIA SMARTPHONE

NEW



KUBEW



KUBEWA

NEW



KUBEPROW

PLUS KUBEW BLE/WI-FI

The new Bluetooth and Wi-Fi 4 module at 2.4 GHz (802.11 b/g/n) module is an advanced and versatile solution, ideal for improving the connectivity of your devices

BLE module that allows faster data transmission, greater range and greater energy efficiency than previous versions

Compatible with a wide range of devices, including CT10324, CT20324, CT10324I, 14AE, MA24ISL, CT103, CTE203 e HALOE making it a flexible choice that can be easily integrated into different context

Possibility of controlling garden lights and of managing the access of other users via the main smartphone

For even wider and more stable Wi-Fi coverage, you can use the KUBEWA model, equipped with an SMA connector for connecting an external antenna (not included)

Native apps for Android 9.0/iOS 13.0 or higher with multilingual support

MODELS

CODE	DESCRIPTION
KUBEW	New Bluetooth/Wi-Fi module compatible with CT10324, CT20324, CT10324I, 14AE, MA24ISL, CT103, CTE203 e HALOE, with integrated antenna
KUBEWA	New Bluetooth/Wi-Fi module compatible with CT10324, CT20324, CT10324I, 14AE, MA24ISL, CT103, CTE203 e HALOE, with external antenna ready

PLUS KUBEPROW

Device dedicated to the professional installer for programming and control via the Kube Smart app

Cloud services: dedicated server for viewing and backing up data, for managing the work team and planning interventions over time

Synchronisation of the automation status with the Cloud the installer

Compatible with a wide range of devices, including

CT10324, CT20324, CT10324I, 14AE, MA24ISL, CT103, CTE203 and HALOE making it a flexible choice that can be easily integrated into different contexts

Quick and easy configuration

Native apps for Android 9.0/iOS 13.0 or higher with multilingual support

MODELS

CODE	DESCRIPTION
KUBEPROW	Module for controlling the automation via smartphone, for CT10324, CT20324, CT10324I, 14AE, MA24ISL, CT103, CTE203 e HALOE

KUBE SMART APP

NEW APP FOR CONTROLLING THE AUTOMATION VIA SMARTPHONE



NEW



PLUS

New modern and easy-to-use graphic interface: both installers and end users can interact with the automations quickly and intuitively, without the need for lengthy configurations

Programming and remote control: installers can program and modify the automation parameters directly from their smartphone, both on site and remotely, improving flexibility and reducing intervention times

Advanced test functions that allow testing and verifying the installation immediately, ensuring the correct functionality of the systems without the need for additional tools

Facilitated customer management thanks to the ability to view and monitor all the installations performed for your customers, having a detailed and easily accessible list available

Flexible customisation of accesses, setting temporary permissions for guests or family members with the ability to choose dates, time slots and days of the week

Possibility of monitoring and modifying shared accesses, allowing total control of the automations and of the authorised users

Available on the App Store and Google Play Store, ensuring broad compatibility with the most common devices and access to constantly updated functions



A single application

designed for both the installer and the end user.



Available on the App Store and Google Play

SUB

WATER RESISTANT 4 CHANNELS TRANSMITTER, 433 MHz AND 868 MHz



PLUS

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

MODELS

CODE	DESCRIPTION
SUB44WR	4 channels, white colour, XR rolling code 433 MHz, water resistant
SUB44R	4 channels, black colour, XR rolling code 433 MHz, water resistant
SUB44WF	4 channels, white colour, 433 MHz rolling code copier, with on-board receiver, water resistant
SUB44F	4 channels, black colour, 433 MHz rolling code copier, with on-board receiver, water resistant
SUB-44WN *	4 channels, 433 MHz fixed code copier, water resistant, white colour
SUB-44N *	4 channels, 433 MHz fixed code copier, water resistant black colour
SUB84WR	4 channels, white colour, XR rolling code 868 MHz, water resistant

* for SUB COPIERS minimum order 50 pcs., not compatible with gear motor for HALO sectional doors

KIT SUB

CODE	DESCRIPTION	
KSUB44PR	Kit 10 SUB transmitters XR rolling code pink	
KSUB44OR	Kit 10 SUB transmitters XR rolling code orange	
KSUB44BR	Kit 10 SUB transmitters XR rolling code blue	
KSUB44YR	Kit 10 SUB transmitters XR rolling code yellow	
KSUB44MR	Kit 10 SUB transmitters XR rolling code magenta	
KSUB44CR	Kit 10 SUB transmitters XR rolling code red	
KSUB44GR	Kit 10 SUB transmitters XR rolling code green	
KSUB44WR	Kit 10 SUB transmitters XR rolling code white	
KSUB44-R	Kit 10 SUB transmitters XR rolling code black	

I LOVE SUB



3 transmitters SUB (SUB44WR white colour, SUB44R 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 (RXM23K)



SUB44WR

• 1 PC



SUB44R

• 1 PC



SUB44MR

• 1 PC



RING

• 3 PCS



RXM23K

• 1 PC

ACCESSORIES



KRING
Kit of 10 Key Rings

PC 1

DID YOU KNOW?

There are 3 families of SUB transmitters

LED

- **SUB R** is a 4-channel rolling code transmitter
- **SUB F** allows you to install a new transmitter without accessing the receiver. If you have a SUB R transmitter already programmed you can authorise a new transmitter F remotely, wherever you are. The system only works with Key transmitters and receivers
- **SUB N** learns the code of fixed code transmitters, including those of other manufacturers



PLAY

4 CHANNELS TRANSMITTER, 433 MHz



PLUS

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

MODELS

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



TOUCH IP

1/2/3 CHANNEL TOUCH TRANSMITTERS, 433 MHz, WITH OR WITHOUT LIGHT AND PRESENCE SENSORS

NEW



TIP1SD



TIP1D



TIP1SD



TIP2SD



TIP3D



TIP3SD

PLUS

433.92 MHz Rolling Code touch transmitters, 1/2/3 channels with settable functions
Suitable for outdoor use, IP65 resistant to water and dust (only transmitters TIP1D and TIP3D)

1/2/3 channels transmitters with presence sensor and light sensor, for indoor use
Practical wall support for one or two transmitters
Long-lasting CR2450 battery

MODELS

CODE	DESCRIPTION
TIP1SD	Light and presence sensors
TIP1D	1 channel, IP65
TIP1SD	1 channel with light and presence sensors
TIP2SD	2 channels with light and presence sensors
TIP3D	3 channels, IP65
TIP3SD	3 channels with light and presence sensors

RX433S / RX4K / RX8

PLUG-IN RECEIVER, 433 MHz AND 868 MHz



RX433S



RX4K



RX8

PLUS

New RX433S plug-in receiver, digital. Compatible with MA24ISL control unit
Ability to store up to 1000 codes

RX4K/RX8: single receiver (automatic selection of fixed code or rolling code)

MODELS

CODE	DESCRIPTION
RX433S	Plug-in receiver, digital, fixed or rolling code, 1000 codes, 433 MHz
RX4K	4 channels plug-in receiver, fix or rolling code, 1000 codes, blue LED, 433MHz
RX8	4-channel plug-in receiver, rolling code, 1000 codes, green LED, 868 MHz



RXM23K-RXM28

2 CHANNELS UNIVERSAL RECEIVERS 433 MHz AND 868 MHz



MODELS

CODE	DESCRIPTION
RXM23K	Universal receiver 2 channels, fix or rolling code, 1000 codes, 433 MHz
RXM28	Universal 2-channel receiver, rolling code, 1000 codes, 868 MHz

ELECTRICAL DATA

reception frequency RXM23K	MHz	433,920
reception frequency RXM28	MHz	868,3
feed with inserted jumper	Vac	12-14
	Vdc	10-16
feed with jumper not inserted	Vac	14-24
	Vdc	16-35
maximum consumption with both relays active	mA	70
maximum relay contact current	A	1
output 2 configurable monostable/bistable		

GENERIC DATA

protection degree	IP	30
dimensions (L - D - H)	mm	85 - 40 - 25
working temperature	°C	-20 + 50

RXM5A

5A UNIVERSAL RECEIVER, 2 CHANNELS, 433.92 MHz



MODELS

CODE	DESCRIPTION
RXM5A	2-channel universal receiver, fix or rolling code, 1000 codes, 433.92 MHz

ELECTRICAL DATA

RXM5A reception frequency	MHz	433,920
	Vac	12-24
power supply	Hz	50/60
	Vdc	12-35
maximum power (both relays active)	W	0,6
maximum relay contact current (30 V resistive load)	A	5

GENERIC DATA

protection rating	IP	4x
dimensions with mounting lugs (L - D - H)	mm	70 - 60 - 31
dimensions without mounting lugs (L - D - H)	mm	50 - 50 - 31
operating temperature	°C	-20 + 55

SOLE

SOLAR POWER KIT FOR ROAD BARRIERS AND GATES



PV30W SOLAR PANEL

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
plastic box dimension (L - D - H)	mm	520 x 345 x 25

SOLEAU BOX WITH CONTROL CARD

pv voltage	V	≤ 50
maximum current	A	20
rated voltage	V	24
wiring	Morsetto PCB, ≤6mm ²	
working temperature	°C	-20 ~ +50
storage temperature	°C	-30 ~ +60
working humidity	%	10 ~ 90
plastic box dimension (L - D - H)	mm	316 x 396 x 188
weight (box without batteries)	kg	3 (+ 25kg delle batterie)
protection degree	IP	56

PLUS

30W solar panel with charge controller to ensure reliable operation

Sturdy system to withstand high wind pressure, hail and snow load

The stainless steel mounting kit offers easy installation on fixed, surfaces or on poles

Pre-cabled wiring

Sliding gate motors compatible: SUN series 24 Vdc, TURBO series 24 Vdc

Swing gate motors compatible: RAY series 24 Vdc, STAR series 24 Vdc, RÉVO+ series, MEWA series 24 Vdc, UNDER series 24 Vdc

Road barriers compatible: ALT series 24 Vdc

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
PV30W	30 W solar panel	2,9 kg	
SOLEAU	Box with control card and fixing hardware for solar panel (without batteries)	6,1 kg	24

KIT COMPONENTS

			
	PV30W	BOX WITH CONTROL CARD	SOLAR PANEL
PV30W	• 1 PC		
SOLEAU		•	•

ACCESSORIES



STAF089A00
Solar panel mounting brackets

ECLIPSE

FULL LED FLASHING AND COURTESY LIGHT



Vertical installation on column



Horizontal installation on column

PLUS

New LED allowing continuous and uniform light as well as offering an increase in the degree of protection against humidity and atmospheric agents

New wall support

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

Integrated antenna

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 unit)

MODELS

CODE	DESCRIPTION
ECLIPSE	LED flashing and courtesy light with crepuscular sensor and built-in antenna

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	54
colour (led flashing)	-	ambra
colour (courtesy light)	-	bianco
dimensions (L - D - H)	mm	75 - 98 - 190
working temperature	°C	-20 + 55

LUMY LED

FLASHING LIGHT



NEW

PLUS

New universal LED flashing light, with 24 Vdc or 230 Vac selectable power supply

The new colour gives the flashing light a completely renewed appearance, making it less visible when the automation is stationary, therefore discreet, and allowing it to blend in with the surrounding environment.

MODELS

CODE	DESCRIPTION
LUMYU NEW	230 Vac or 24 Vdc ac/dc LED flashing light
LUMY24L	24 Vdc ac/dc LED flashing light, with antenna
LUMY230L	230 Vac, 50 Hz, LED flashing light, with antenna, with integrated oscillator
LUMY230EL	230 Vac, 50 Hz, LED flashing light, with antenna

ACCESSORIES



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

PC 1



SULU
Support for LUMY LED

PC 1

EGPH1 / EGP2 - FT

PHOTOCELLS

NEW



EGPH1 / EGP2



FT23

NEW



FT43
FT43B



FT43PB

NEW

		EGPH1	EGPH2	FT23	FT43	FT43B	FT43PB
ELECTRICAL DATA							
voltage	Vac	10-30	10-30	10-30	10-30	10-30	10-30
	Vdc	10-40	10-40	10-40	10-40	10-40	10-40
range	m	25	25	25	25	20	25
consumption rx	mA	27	27	27	27	35	20
consumption tx	mA	10	10	10	10	0,04	20
relay contacts max supply	A	1	1	1	1	1	-
GENERIC DATA							
protection degree	IP	54	54	54	54	54	54
dimensions (L - P - H)	mm	80-33-88	18-79-79	30-26-88	38-38-109	38-38-109	38-38-109
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55	-20 + 55	-20 + 55

PLUS

New photocells with a renewed design: the EGP1 surface-mounted, slimline wall-mounted version and the EGP2 surface-mounted, recessed version. Recessed version compatible with LEGRAND® 080021 flush-mounted box and other popular models.

New FT43PB photocells with PowerBUS technology: a single two-core cable used for both power and digital signals. DIP switches for address selection and device functionality. Configurable via smartphone with the MA24ISL control unit.

Snow function: in the event of frequent beam interruption, the photocell activates a temporary adjustment system to prevent inappropriate activation.

MODELS

	CODE	DESCRIPTION
NEW	EGPH1	Pair of surface-mounted outdoor photocells
NEW	EGPH2	Pair of flush-mounted outdoor photocells
	FT23	Pair of photocells for external use for small pillars
	FT43	Pair of photocells for external use adjustable through 180°, for small pillars
	FT43B	Pair of photocells for external use adjustable through 180°, for small pillars, battery powered
NEW	FT43PB	Pair of outdoor photocells with PowerBUS technology

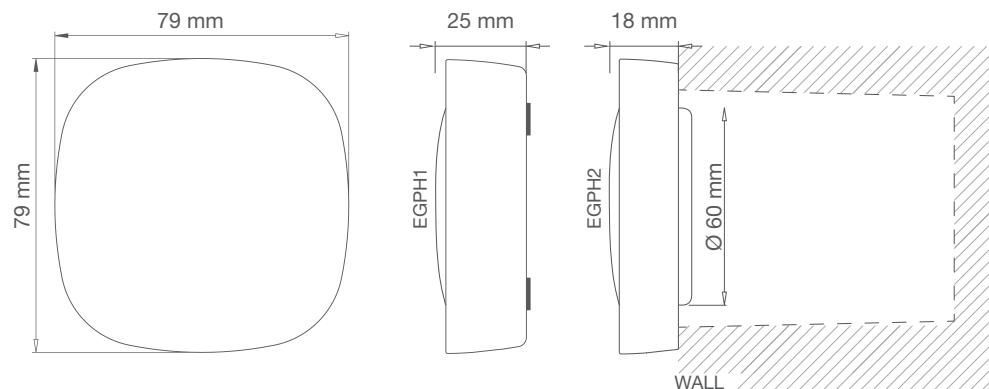
ACCESSORIES



PBI
PowerBUS interface for
control units CT10324/20324

PC 1

DIMENSIONS





PLUS EGKTB1 and EGKTB2

Touch keyboard via PowerBUS with 2-wire power supply

Backlighting with RGB LED in 7 selectable colours

Rainbow feature for automatic colour changing

Energy saving mode: the lighting switches off during the day, controlled by an environment sensor

Silent mode: possibility of turning off the buzzer

Power supply: 10-24 Vac and 12-34 Vdc

Flush-mounted version compatible with LEGRAND® 080021 built-in box and other commonly available ones

Hand-brushed and painted metal bottom

Possibility of generating time-sensitive access codes

Easy access code customisation up to 50 codes, installer action not required

Possibility of rolling out the system to up to 20 devices connected in parallel to the PowerBUS

Decoder with 2 programmable relays (impulse, bistable and timed types)

PLUS EGKTR2 (to be paired with all Key Automation receivers)

Touch keyboard via radio 433.920 MHz rolling code with integrated antenna

Backlighting with RGB LED in 7 selectable colours

Energy saving mode: the lighting switches off during the day, controlled by an environment sensor

Silent mode: possibility of turning off the buzzer

Powered by AAA batteries easily available commercially

Easy customisation of the access code

Plastic base (EGKTR2)

PLUS EGS1 and EGS2

All-metal body (EGS1)

All-metal body or plastic base (EGS2)

New design coordinated with the new EGO keyboard

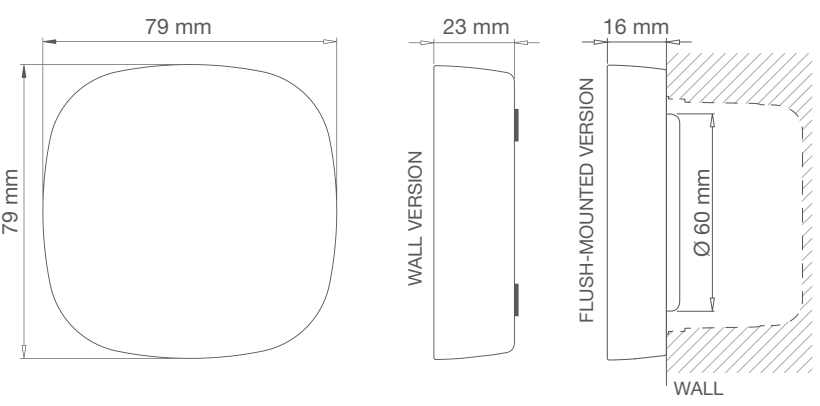
MODELS

CODE	DESCRIPTION
EGKTB1	Touch keyboard via PowerBUS
EGKTB2	Touch keyboard via PowerBUS with integrated bluetooth (coming soon)
EGKD2	2-Channel decoder, to be paired with EGKTB1
EGKD3	2-Channel decoder with integrated clock and battery, to be paired with EGKTB2 (coming soon)
EGKD4	2-Channel decoder with 433 MHz radio receiver, to be paired with EGKTB2 (coming soon)
EGS101 EGS102 EGS103	Key selector with all-metal base Key code 01 for EGS101, code 02 for EGS102, code 03 for EGS103
EGS104 EGS105 EGS106 EGS107 EGS108 EGS109 EGS110	Key selector with all-metal base. Key code 04 for EGS104, code 05 for EGS105, code 06 for EGS106, code 07 for EGS107, code 08 for EGS108, code 09 for EGS109, code 10 for EGS110
EGS201 EGS202 EGS203	Key selector with plastic base. Key code 01 for EGS201, code 02 for EGS202, code 03 for EGS203
EGS204 EGS205 EGS206 EGS207 EGS208 EGS209 EGS210	Key selector with plastic base. Key code 04 for EGS204, code 05 for EGS205, code 06 for EGS106, code 07 for EGS207, code 08 for EGS208P, code 09 for EGS209, code 10 for EGS210

ACCESSORIES

 RXM23K Universal receiver 2 channels, fix or rolling code, 1000 codes PC 1	 RXM5A Universal receiver 5a 433.92mhz 2 channels PC 1	 SUPP022A00 Flush-mounted back plastic cover Only for egk models PC 1	 PBI PowerBUS Interface for control units CT10324/20324 PC 1
---	--	--	--

DIMENSIONS



TECHNICAL DATA		EGKTB1	EGKTB2	EGKTR2	EGKD2	EGKD3	EGKD4
voltage	Vac	BUS	BUS	2 x batteries AAA 3 V	BUS / 10-24	BUS / 10-24	BUS / 10-24
	Vdc	BUS	BUS		BUS / 12-35	BUS / 12-35	BUS / 12-35
absorbed power	Typical	0,25 W	0,35 W	st-by 60 µW	0,2 W	0,2 W	0,2 W
	Max	1,5 W	0,7 W	150 mW	1,5 W	1,5 W	1,5 W
radio frequency	MHz	-	-	433.920	-	-	433.920
n° of outputs		-	-	-	2	2	2
maximum cable length	m	50 m with 2x0,35 mm² cable		-	50 m with 2x0,35 mm² cable		
n° of memorized codes		50	50	-	50	200 / 1000	50
max n° of devices connected to the powerbus line		10	10	-	-	10	10
relay characteristics		-	-	-	Clean contact 50V 0,2A (resistive load)		
working temperature	°C	-10 +55	-10 +55	-10 +55	-20 +55	-20 +55	-20 +55
protection degree	IP	55	55	55	30	30	30
configuration through bluetooth and app		NO	YES	NO	-	-	-







MODELS

CODE	DESCRIPTION
EG50	Support post h. 50 cm
EG50L	Support post h. 50 cm with integrated LED light (5W LED)
EG100	Support post h. 100 cm
EG100L	Support post h. 100 cm with integrated LED light (10W LED)
EG100A	Support post h. 100 cm with accessory housing
EG100LA	Support post h. 100 cm with integrated LED light (10W LED) and accessory housing
CTLIGHT2	Voltage regulator for LED lights 24 Vdc, max 30W (mandatory for all control units except BOXLED control units)

ACCESSORIES



EG3
Anchor plate for fixing



ST1
Tip for soil fixing



VIP2
LED light control unit
up to 30 W



QUADRO
Night sensor

PC 1

PC 1

PC 1

PC 1





SEKUR CO/COR

SAFETY SYSTEMS



MODELS

CODE	DESCRIPTION
COMSC16	Mechanic safety edge, 1,6 m long for sliding gates. With micro-switches
COMSC20	Mechanic safety edge, 2,0 m long for sliding gates. With micro-switches
COMSC25	Mechanic safety edge, 2,5 m long for sliding gates. With micro-switches
COMB12	Mechanic safety edge, 1,2 m long for overhead doors. With micro-switches
COMB18	Mechanic safety edge, 1,8 m long for overhead doors. With micro-switches

Control board and resistors not included. The following can be used with the COMB line:
ANG (CORNERS), TAP (END CAPS), GIUN (CONNECTORS)

COMSC16, COMSC20 and COMSC25 can only be shortened on one side by max 400 mm

COMB12 and COMB18 can be shortened on both sides for max. 175 mm

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



COMTX2



COMRX2

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)

MODELS

CODE	DESCRIPTION
COMTX2	868MHz radio transmitter for safety edge
COMRX2	868MHz radio receiver for safety edge control
KCOM2	Radio transmitter and receiver kit with batteries included

STANDARD INSTALLATION

1 Edge system
2 Transmitter
3 Receiver

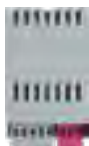


1 Edge system
2 Transmitter
3 Receiver





24 Vdc 10A power module (PO24)



Display module (DYL)



Logic mainboard (MAE24)



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



4 channels plug-in receiver (RX4K)



Wireless module (KUBEPROW and KUBEW)



DYL display or the KUBEPROW wireless module are mandatory to program the 14A control unit



All kits that include the 14A control unit offer the possibility of adding up to 20 additional LED lights, to illuminate the entrance of the house during the night automatically and economically



IoT collective network of connected devices and technologies which facilitates communication between devices via Bluetooth and Cloud

PLUS

Latest generation control unit to control all 24 Vdc automation systems

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 SBS - 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

Backup battery input

MODELS

CODE	DESCRIPTION
14ABE2 *	Control unit in box for two 24 Vdc motors (without DYL and without receiver RX4K) with transformer 250 VA
14ABE2F	Control unit in box for two 24 Vdc motors (without DYL and without receiver RX4K) with transformer 250 VA to be paired with fast line motors
MAE24	Logic mainboard
PO24	Power module 24 Vdc 10A
BOX250	Box with transformer 250 VA

* mandatory for motors RAY4024E, UND24, SN-50-24, SN5024B

ACCESSORIES



DYL
Programming module
Cable length 120 cm

PC 1



RX4K
4 channels plug-in receiver, 433MHz

PC 1



KUBEPROW
Wireless programming module BLE/Wi-Fi

PC 1



KUBEW
Module for automation control via smartphone using BLE/Wi-Fi

PC 1



ECLIPSE
Full LED flashing and courtesy light

PC 1



QUADRO
Night sensor

PC 1

		14ABE2	14ABE2F
ELECTRICAL DATA			
input power	Vac/Hz	230/50-60	230/50-60
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 - 275 - 110	222 - 275 - 110
working temperature	°C	-20 + 55	-20 + 55



CT10324

24 VDC CONTROL UNIT FOR SINGLE MOTOR



PLUS

- Improved and unified programming logic with software-based motion reversal
- New 5-character / 16-segment display for more natural and intuitive reading
- Optional programming with KUBEPROW wireless module (from FW version 2.0)
- Improved position detection with no need for a physical encoder
- Fully moulded control unit enclosure for better protection against the effects of weather
- Diagnostic LED for physical encoder fault detection
- Disabling of safety via dip-switch
- Amperometric obstacle detection with inversion
- Standard or programmable deceleration in opening and closing
- Configurable partial input, for example as a second safety edge (from FW 2.0 version)
- Inputs: OPENS – CLOSES – SBS (STEP-BY-STEP) – PARTIAL separated
- Inputs for SAFETY EDGE 8k2 / STOP – PHOTO1 – PHOTO2
- Display of inputs and safety devices via LEDs
- Steady or flashing flash light output
- Courtesy light output
- Open gate / electric lock indicator output
- Phototest optional
- Safety edge test optional
- Built-in 433MHz radio
- Option to store up to 150 codes

MODELS

CODE	DESCRIPTION
CT10324	For a motor for a sliding gate, up-and-over door or electromechanical barrier, 24 Vdc, with self-learning of travel and slowdown in opening and closing. Built-in radio receiver

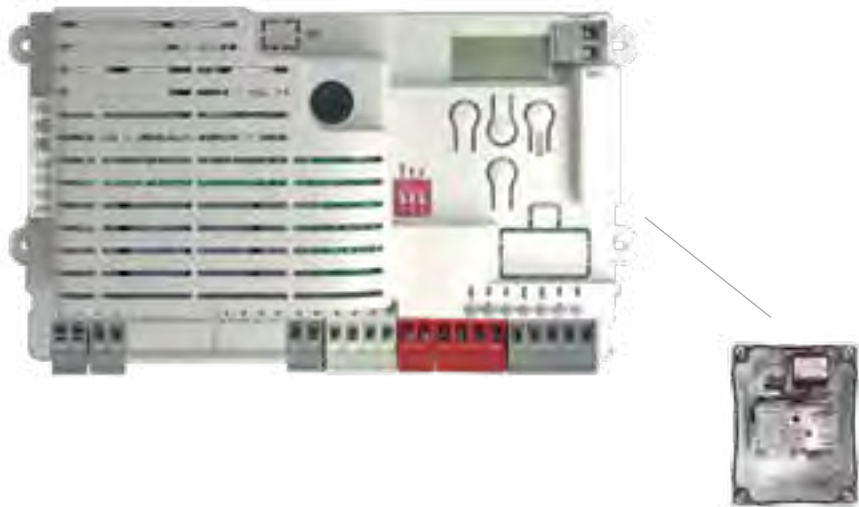
ACCESSORIES

KUBEPROW Wireless programming module BLE/Wi-Fi	KUBEW Module for automation control via smartphone using BLE/Wi-Fi	PBI PowerBUS Interface for control units CT10324/20324
PC 1	PC 1	PC 1

CT10324		
ELECTRICAL DATA		
input power	Vac/Hz	230/50-60
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		si
GENERIC DATA		
protection degree	IP	-
dimensions (L - D - H)	mm	120 - 90 - 30
working temperature	°C	-20 + 55

CTE20324

24 VDC CONTROL UNIT FOR TWO MOTORS



2-motor control unit 24 Vdc in box (BOX250)

PLUS

- Improved and unified programming logic with software-based motion reversal
- New 5-character / 16-segment display for more natural and intuitive reading
- Optional programming with KUBEPROW wireless module (from FW version 2.0)
- Improved position detection with no need for a physical encoder
- Fully moulded control unit enclosure for better protection against the effects of weather
- Diagnostic LED for physical encoder fault detection (CTE20324E)
- Disabling of safety via dip-switch
- 250W transformer included (CTE20324E).
- Amperometric obstacle detection with inversion
- Standard or programmable deceleration in opening and closing
- Configurable partial input, for example as a second safety edge (from FW 2.0 version)
- Inputs: OPENS – CLOSES – SBS (STEP-BY-STEP) – PARTIAL separated
- Inputs for SAFETY EDGE 8k2 / STOP – PHOTO1 – PHOTO2
- Display of inputs and safety devices via LEDs
- Steady or flashing flash light output
- Courtesy light output
- Open gate / electric lock indicator output
- Phototest optional
- Safety edge test optional
- Built-in 433MHz radio
- Option to store up to 150 codes

MODELS

CODE	DESCRIPTION
CTE20324	For two motors for swing gates, 24 Vdc, with self-learning of travel and slowdown in opening and closing. Built-in radio receiver. In box
CTE20324E	For two motors with encoder for swing gate, 24 Vdc, with self-learning of travel and slowdown in opening and closing. Built-in radio receiver. In box

ACCESSORIES

KUBEPROW
Wireless programming module BLE/Wi-Fi

PC 1

KUBEW
Module for automation control via smartphone using BLE/Wi-Fi

PC 1

PBI
PowerBUS Interface for control units CT10324/20324

PC 1

		CTE20324	CTE20324E
ELECTRICAL DATA			
input power	Vac/Hz	230/50-60	230/50-60
output power accessories	Vac	24	24
	Vdc	24	24
max motor power	W	210	280
max working time	sec	240	240
max pause time	sec	0 - 900	0 - 900
obstacle detection		sì	sì
encoder support		no	sì
GENERIC DATA			
protection degree	IP	54	54
dimensions (L - D - H)	mm	222 - 110 - 275	222 - 110 - 275
working temperature	°C	-20 + 55	-20 + 55

CT103

230 Vac CONTROL UNIT FOR SINGLE MOTOR



NEW

PLUS

Improved and unified programming logic with the CT10324, CTE20324, and CTE203 control units, with motion reversal via software

New 5-character/16-segment display for more natural and intuitive reading

Optional programming with the KUBEPROW wireless module

Standard or programmable slowdowns in opening and closing

Fully enclosed control unit for improved protection against external factors

Disabling of safety via dip-switch

Compatible with the standby energy saving module

Configurable partial input, for example as a second safety edge

Independent inputs for: OPEN – CLOSE – SBS (STEP-BY-STEP) – PARTIAL

Independent inputs for: SAFETY EDGE 8k2 / STOP - PHOTO1 – PHOTO2

LED display of input and safety device activation

Flashlight fixed or flashing output

Courtesy light output

Open gate / electric lock indicator output (programmable times)

Photocell function check before operating (photo-test)

Built-in 433.92 MHz radio

Up to 150 storable codes

MODELS

CODE	DESCRIPTION
CT103	For a motor for a sliding gate, up-and-over door, 230 Vac, with electronic clutch and slowdown in opening and closing. Built-in radio receiver

ACCESSORIES



KUBEPROW
Wireless programming module BLE/Wi-Fi

PC 1



KUBEW
Module for automation control via smartphone using BLE/Wi-Fi

PC 1



PBI
PowerBUS Interface for control units CT10324/20324

PC 1

CT103

ELECTRICAL DATA

input power	Vac/Hz	230/50-60
max motor power	W	950
output power accessories	Vdc	24
max working time	sec	regolabile
max pause time	sec	0 - 900

GENERIC DATA

protection degree	IP	-
dimensions (L - D - H)	mm	120 - 90 - 30
working temperature	°C	-20 + 55

CTE203

230 Vac CONTROL UNIT FOR TWO MOTORS



PLUS

- Improved and unified programming logic with the CT10324, CTE20324, and CT103 control units, with motion reversal via software
- New 5-character/16-segment display for more natural and intuitive reading
- Optional programming with the KUBEPROW wireless module
- Standard or programmable deceleration in opening and closing
- Disabling of safety via dip-switch
- Compliant with Regulation (EU) 2023/826, which establishes the energy consumption limits of electronic equipment in standby mode
- Configurable partial input, for example as a second safety edge
- Independent inputs for: OPEN – CLOSE – SBS (STEP-BY-STEP) – PARTIAL
- Independent inputs for: SAFETY EDGE 8k2 / STOP - PHOTO1 – PHOTO2
- LED displays input and safety device activation
- Flashlight fixed or flashing output
- Courtesy light output
- Open gate / electric lock indicator output (programmable times)
- Photocell function check before operating (photo-test)
- Built-in 433.92 MHz radio
- Up to 150 storable codes

MODELS

CODE	DESCRIPTION
CTE203	For two motors for swing gate, 230 Vac, with electronic clutch, built-in radio receiver, slowdown in opening and closing. In box

ACCESSORIES



KUBEPROW
Wireless programming module BLE/Wi-Fi

PC 1



KUBEW
Module for automation control via smartphone using BLE/Wi-Fi

PC 1



PBI
PowerBUS Interface for control units CT10324/20324

PC 1

CTE203

ELECTRICAL DATA		
input power	Vac/Hz	230/50-60
max motor power	W	700+700
output power accessories	Vdc	24
max working time	sec	regolabile
max pause time	sec	0 - 900
GENERIC DATA		
protection degree	IP	54
dimensions (L - D - H)	mm	222 - 110 - 275
working temperature	°C	-20 + 55

CT1RS

230 Vac CONTROL UNIT FOR ROLLING SHUTTER OR SLIDING GATE - INDUSTRIAL USE



PLUS

- More intuitive programming thanks to 3-colour LEDs, dip-switches and trimmers

Possibility of cancelling one transmitter at a time

Possibility of storing transmitters of the SUB-F series

Motor torque adjustable via a trimmer
- Courtesy time adjustable via a trimmer

Safety test function

Maximum motor power 700 W

Flash light maximum output power 60 W

Accessories power 3.6 W

MODELS

CODE	DESCRIPTION
CT1RS	For one motor for rolling shutter or sliding gate, 230 Vac, with electronic clutch, limit switch and receiver. In box

CT1RS		
ELECTRICAL DATA		
input power	Vac/Hz	230/50-60
output power accessories	Vdc	24 not stabilized
maximum current of external devices on 24 Vdc	mA	150
consumption	W	2
max motor power	W	700
maximum output power courtesy light	W	60
230 vac output protection	Quick 5A fuse (F1)	
GENERIC DATA		
integrated receiver capability		120
integrated receiver frequency	MHz	433,92
protection degree	IP	54
dimensions (L - D - H)	mm	200 - 160 - 90
working temperature	°C	-20 + 55

RX2H/TX2B

2-CHANNEL MINIATURIZED RECEIVER / RECESSED TRANSMITTER 2 CHANNELS



RX2H



TX2B

PLUS

RX2H

For the control of 230 Vac/110 Vac 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 (RX2L), 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

MODELS

CODE	DESCRIPTION
RX2H	2-channel miniaturized receiver for radio and wired control of motors for awnings and shutters and lights
TX2B	Recessed transmitter 2 channels

* 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

		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 $\varphi=1$) 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
working temperature	°C	-20 + 55	-20 + 55

CT-400

400 Vac CONTROL UNIT



PLUS

For industrial motors	Separate OPEN - STOP - CLOSE - PP - PARTIAL inputs
Suitable for intensive and long-lasting use	Programmable safety edge parameter
Compatible with the RXM23K receiver	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 230 Vac or three-phase 400V/230 Vac motors
Closing after transit function	

MODELS

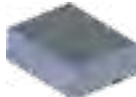
CODE	DESCRIPTION
CT-400	For one motor for sliding gate or industrial sectional door 400 Vac / 230 Vac motor and electronic clutch. In box

CT-400		
ELECTRICAL DATA		
input power	Vac/Hz	400-230/50-60
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
working temperature	°C	-20 + 55

ACCESSORIES

					
RX4K 4 channels plug-in receiver	RXM23K Universal receiver 2 channels, fix or rolling code	BOXKEY Plastic box for two motors control unit	BOXKEYS Plastic box for one motor control unit	BMET Outdoor metal box for motor release	TS Table signage
PC. 1	PC. 1	PC. 1	PC. 1	PC. 1	PC. 1

ACCESSORIES FOR 24 Vdc

	
KBP Battery back-up kit	KITFIXBATT Fixing brackets for batteries 24 Vdc
PC. 1	PC. 1



KEY GARDEN

OUTDOOR AREAS SOLUTIONS

OUTDOOR LIGHTING SYSTEM

STICK S DOWN	134
STICK S UP	134
STICK M	134
FLAT	134
VERTICAL	135
TOWER	135
STELLA	135
EGO	135

KEY GARDEN

TO ILLUMINATE RESIDENTIAL AND INDUSTRIAL AREAS IN A SIMPLE, SAFE AND ECONOMIC WAY



PLUS

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 24 Vdc 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, 150mA for TONDA and 200mA for STELLA

Available in three different colours (except STAR and EGO models): WHITE (RAL9010), CORTEN and GRAY (RAL7016)

For codes and prices, see the Outdoor catalog

TECHNICAL DATA

24-35 Vdc

CRI>90

3000K

264lm

IP54



STIK S DOWN

Garden lights with height 40 cm with front light
Replaceable led
2 W



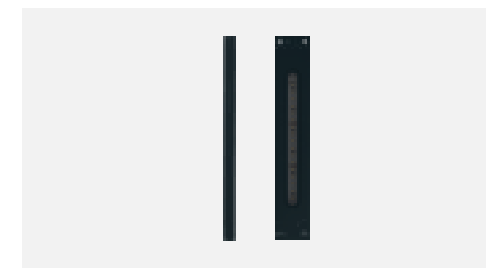
STIK S UP

Garden lights with height 40 cm with front light
Replaceable led
2 W



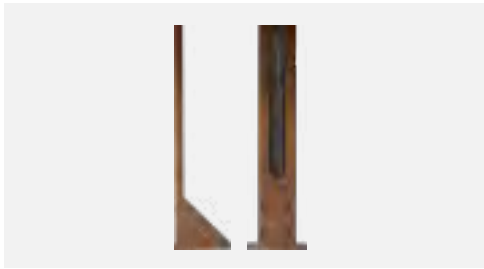
STIK M

Garden lights with height 75 cm with front light
Replaceable led
2 W



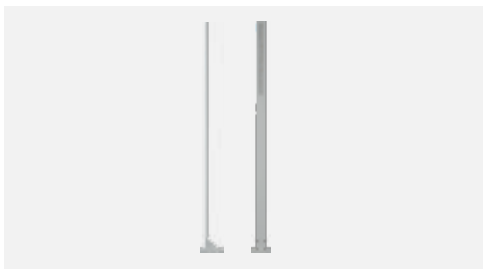
FLAT

Step lights, or for garage doors and pergolas
2 W



VERTICAL

Lights for pedestrian or vehicular premises, to be installed on top of the fence
 Replaceable led
 2 W



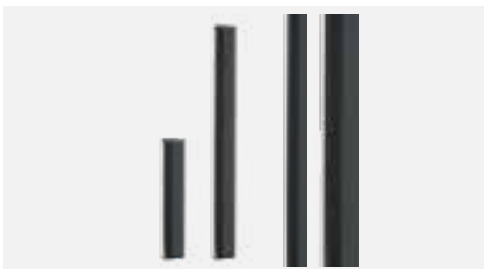
TOWER

Lights with double LED strip, suitable for parking lots and public areas
 Replaceable led
 4 W



STELLA

Led lights to light up large areas
 Replaceable led
 8 W



EGO

Support posts with integrated LED light available with height 50 cm and 100 cm
 Replaceable led



14A
 UP TO **20 GARDEN LIGHTS**
 CONNECTABLE WITH JUST
 2 WIRES!



BOX LED
 UP TO **32 GARDEN LIGHTS**
 WITH POWER SUPPLY
 CABLE



BOXLEDXL
 UP TO **64 GARDEN LIGHTS**
 WITH POWER SUPPLY
 CABLE

TO KNOW MORE CHECK OUR OUTDOOR CATALOGUE!



PROGRAMMABLE FUNCTIONS

motor power	24 Vdc			230 Vac			400 Vac
motors number/light	1	2	⚡	1	2	⌋	1
14A	•	•	•				
CT10324	•						
MA24ISL	•		•				
CTE20324		•					
CT103				•			
CTE203					•		
RX2H				•		•	
CT1RS				•			
CT-400							•
GARDEN BOX			•				

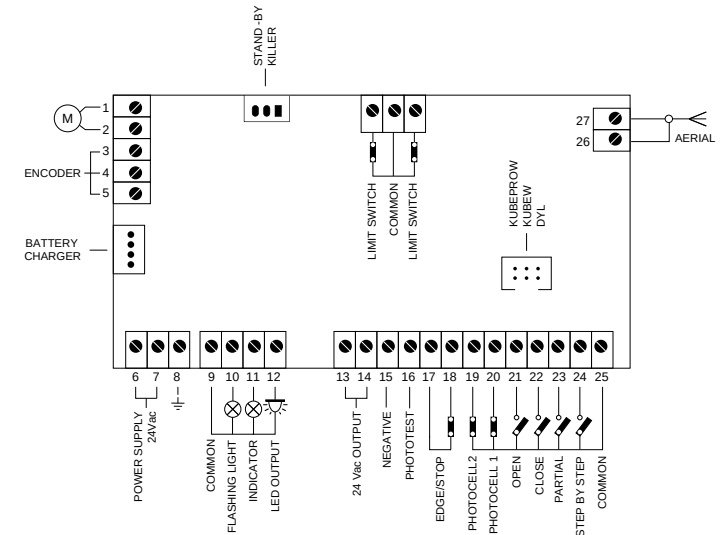
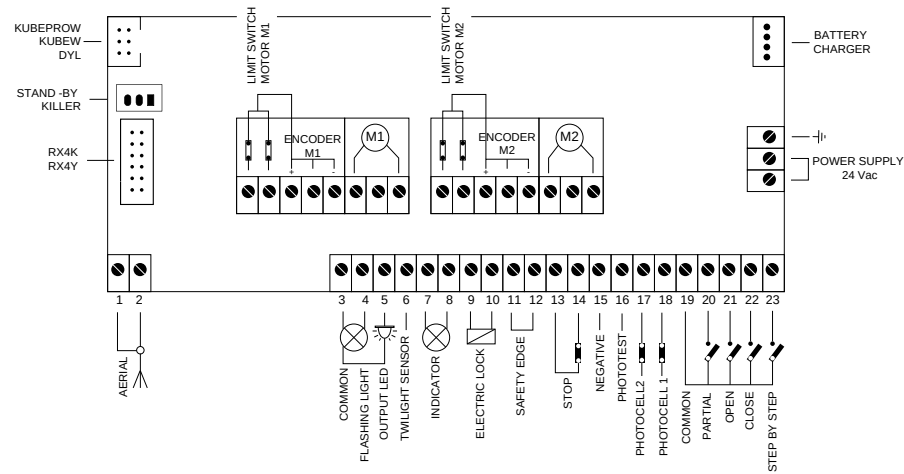
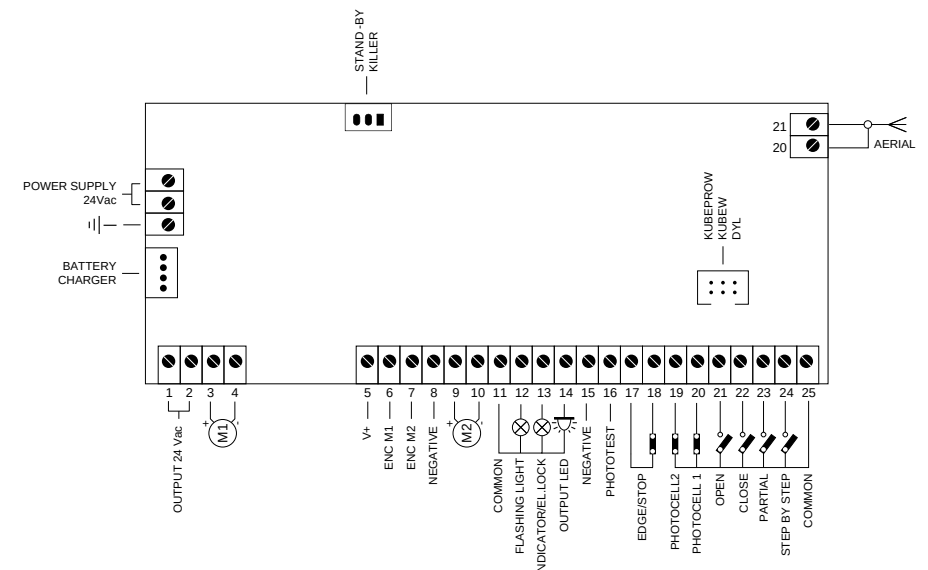
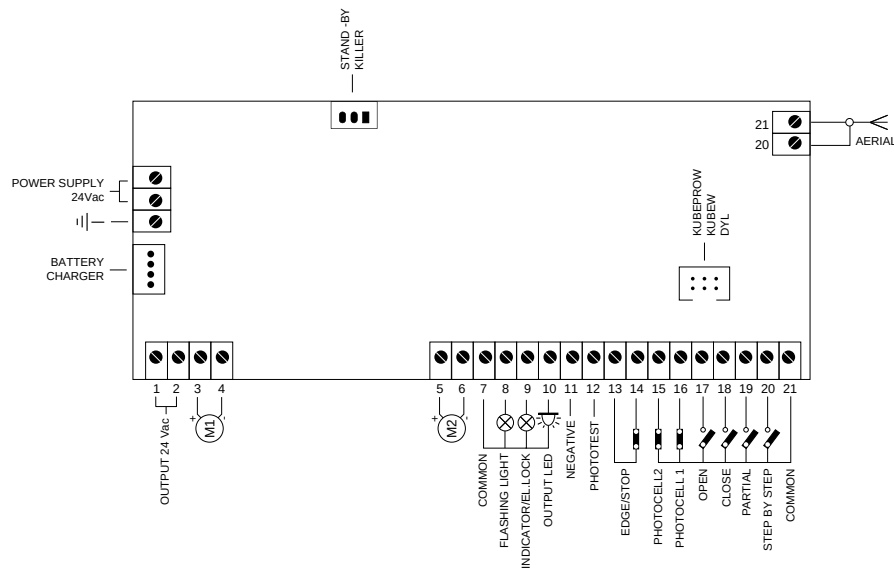
	CT10324	MA24ISL	HALO	14A	CTE20324	CT1RS	CT103	CTE203	CT400
motors number	1			2		1		2	1
motor power	24 Vdc					230 Vac			400 Vac
hold to run	●	●		●	●	●	●	●	●
semi-automatic functioning	●	●	●	●	●	●	●	●	●
automatic functioning	●	●	●	●	●	●	●	●	●
condominium function (only open)	●	●	●	●	●	●	●	●	●
pre-flashing	●	●	●	●	●		●	●	●
photo during opening	●	●	●	●	●		●	●	●
soft start	●	●	●	●	●		●	●	
soft stop	●	●	●	●	●				
courtesy light	●	●	●	●	●		●	●	
open gate light with proportional flashing light	●	●		●	●		●	●	●

	CT10324	MA24ISL	HALO	14A	CTE20324	CT1RS	CT103	CTE203	CT400
motors number	1			2		1	2	1	
motor power	24 Vdc					230 Vac			400 Vac
slowdown function	•	•	•	•	•	•	•	•	
water hammering				•	•			•	
electric limit switch exclusion	•			•		•			
temporary pause in opening	•	•	•	•	•		•	•	
step by step function (open-stop-close-stop)	•	•	•	•	•	•	•	•	•
separate open and close	•	•		•	•	•	•	•	•
pause time with presence detector	•	•	•	•	•	•	•	•	•
1st motor delay during opening				•	•			•	
brake							•	•	•
cycles counter	•	•	•	•	•		•	•	
display	•	•	•	•	•		•	•	
encoder	•	•	•	•					
close after passage	•	•	•	•	•		•	•	•
partial opening	•	•	•	•	•	•	•	•	•
electro-lock	•	•	•	•	•			•	
energy saving	•	•		•	•				
black-out settings	•	•	•	•	•		•	•	
safety edge connection	•	•	•	•	•		•	•	•
obstacle detection	•	•	•	•	•		•	•	•
solar power supply	•	•		•	•				

CONTROL UNITS ELECTRIC DIAGRAMS

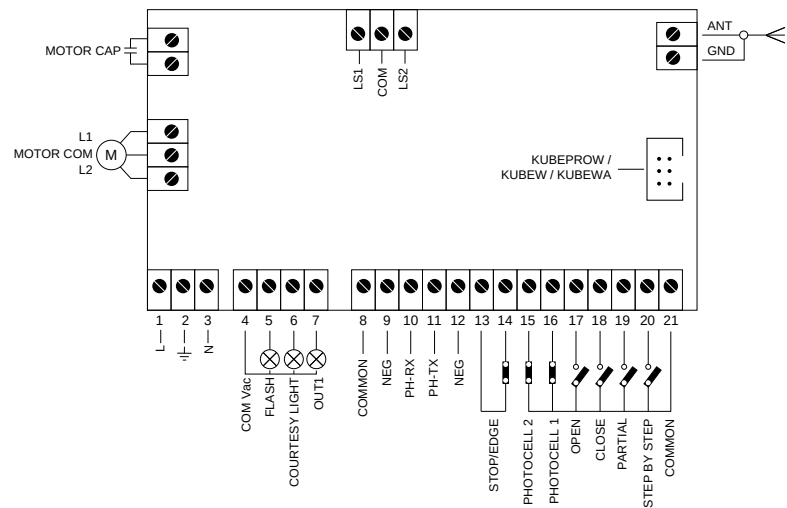
14A

CT10324

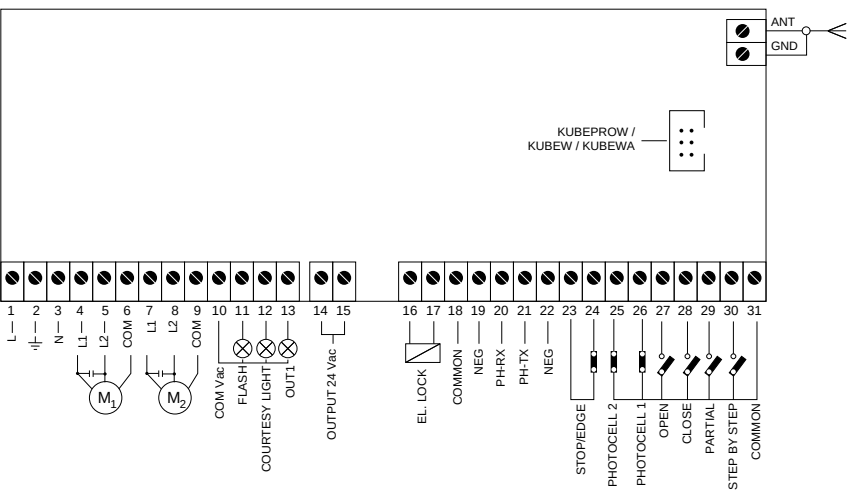
**CTE20324****CTE20324E**

CONTROL UNITS ELECTRIC DIAGRAMS

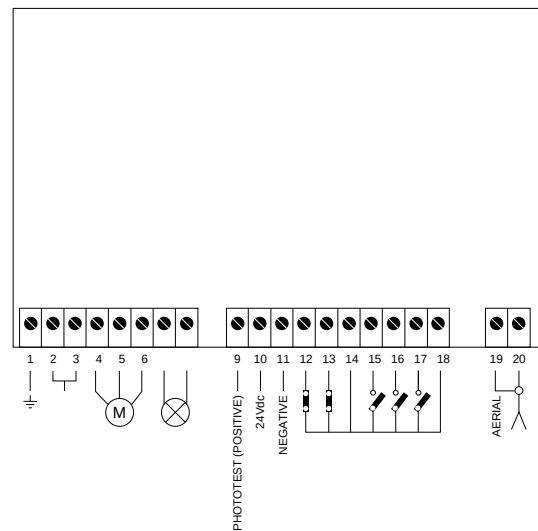
CT103



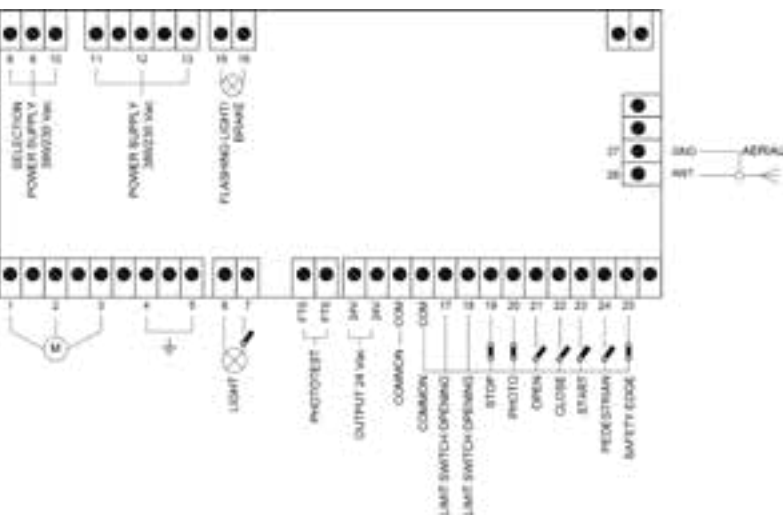
CTE203



CT1RS



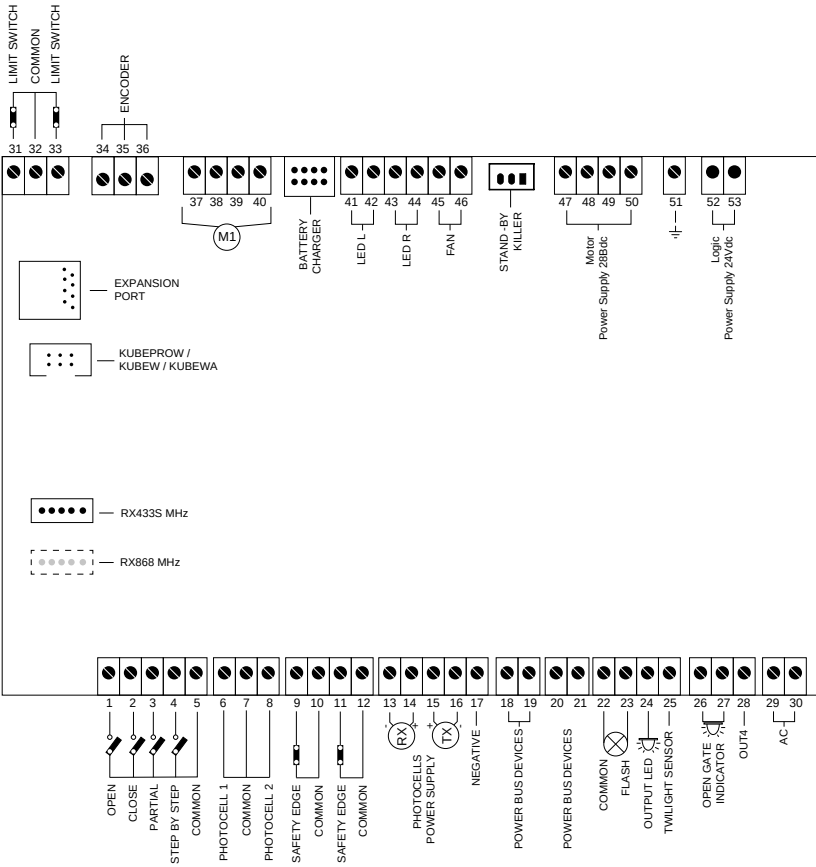
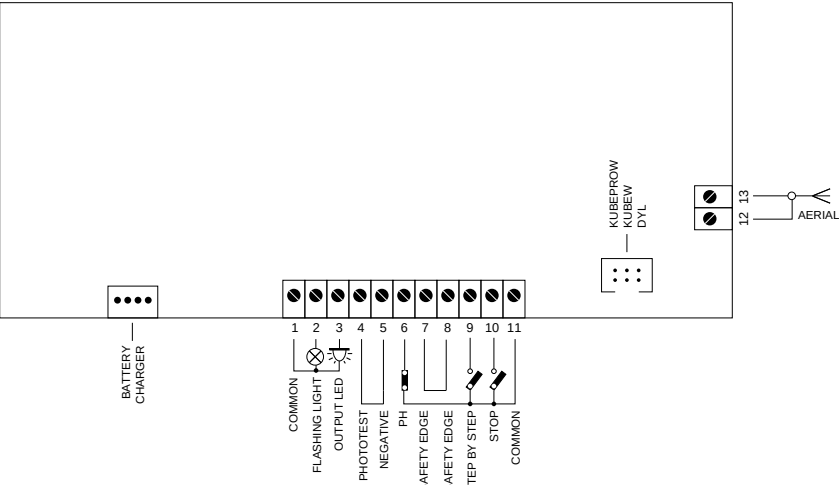
CT-400



CONTROL UNITS ELECTRIC DIAGRAMS

HALO

MA24ISL



ALPHABETICAL LIST

CODE	P.	CODE	P.	CODE	P.	CODE	P.	CODE	P.
14ABE2	122	BOXKEYS	131	ECLIPSE	111	FIMAT	59	KITFIXBATT	27
14ABE2F	122	BS-50	74	EG100	118	FT23	113	KL4	96
520STAF029A00	71	BS5024	74	EG100A	118	FT43	113	KL6	96
550CABL045A00	71	BSE5324	74	EG100L	118	FT43B	113	KL8	96
AD	96	BSE5324BM	74	EG100LA	118	FT43PB	113	KPLAY4F	106
ADFB2	27	BSE53	74	EG3	118	GIUN	120	KPLAY4R	106
ADRB2	27	BSF2	76	EG50	118	HAE12	70	KRAE2324ES	31
ADUN	49	CF3	49	EG50L	118	HAE12PP	72	KRAE2324KS	31
ADWA	27	CF3SB	49	EGKD2	115	HAE12SS	72	KRAE2524EK	30
ALT3KF	94	CI3	49	EGKD3	115	HAE8	70	KRAE2524KK	31
ALT4K	94	COMB12	120	EGKD4	115	HAE8PP	72	KRAE3024FEK	30
ALT6K	94	COMB18	120	EGKTB1	115	HAE8SS	72	KRAE3024FKK	30
ANG	120	COMRX2	121	EGKTB2	115	HAL1S	71	KRAE4024EK	30
ANTS-433	112	COMSC16	120	EGKTR2	115	HAL2	71	KRAE4024KK	30
APFX	96	COMSC20	120	EGPH1	113	HAL3	71	KRAE4324KS	31
APM	96	COMSC25	120	EGPH2	113	HAL4	71	KRAE4324KS	31
AS-SNO3	96	COMTX2	121	EGS101 - EGS201	115	HAL5	71	KRAE43KS	31
AST3F	96	CP-BR6	96	EGS102 - EGS202	115	HAL6	71	KRAY4024R	26
ASTL4	96	CP-BR	96	EGS103 - EGS203	115	HAL7	71	KREE2024EK	40
ASTL4J	96	CREM-12	55	EGS104 - EGS204	115	ILSUB	105	KREE2024KK	40
ASTL5	96	CREM-30	87	EGS105 - EGS205	115	KBP	27	KREE2324ES	41
ASTL6	96	CREM-8	55	EGS106 - EGS206	115	KBPN	37	KREE2324KS	41
ASTL6J	96	CT-400	130	EGS107 - EGS207	115	KBPP	87	KRING	105
ASTL8	96	CT103	126	EGS108 - EGS208	115	KBSE5324JS	76	KSN5024B	44
BC	75	CT10324	124	EGS109 - EGS209	115	KBSE53JS	76	KSN50B	44
BDBOC	45	CT1RS	128	EGS110 - EGS210	115	KC	27	KSTE3324ES	34
BDNS2	75	CTE203	127	ELS-C	27	KCOM2	121	KSTE3324KS	34
BMET	45	CTE20324	125	EXRB	27	KCS	55	KSUB44-R	105
BOC	75	CTE20324E	125	FC-PS	83	KCTE203ES	46	KSUB44BR	105
BOX250	122	CTLIGHT2	118	FCRAY	27	KCTE203KS	46	KSUB44CR	105
BOXKEY	131	DYL	123	FIMAS	55	KFE	45	KSUB44GR	105

ALPHABETICAL LIST

CODE	P.	CODE	P.	CODE	P.	CODE	P.	CODE	P.
KSUB44MR	105	KTUE93ES	64	RAL41	70	SBLST	71	SUE8024	54
KSUB44OR	105	KTUE93KS	64	RAY2224	28	SC400M	90	SUE12024	54
KSUB44PR	105	KUBEPROW	102	RAY2224WIN	28	SKIRT2	96	SULU	112
KSUB44WR	105	KUBEU	100	RAY2524	26	SN5024DX	44	SUPP022A00	115
KSUB44YR	105	KUBEW	102	RAY2524E	26	SN5024SX	44	TAP	120
KSUE12024EK	56	KUBEWA	102	RAY3024F	26	SN50DX	44	TIP1D	107
KSUE12024KK	57	KUNE3524EK	50	RAY4024E	26	SN50SX	44	TIP1SD	107
KSUE5024EK	57	KUNE3524KK	50	RAY40	28	soleau	110	TIP2SD	107
KSUE5024FEK	57	KUNE35ES	50	RAY40LATI	28	ST2000	75	TIP3D	107
KSUE5024FKK	57	KUNE35KS	50	RAY4224E	28	STAF032A00	27	TIP3SD	107
KSUE5024KK	57	LEVA011A00	45	RAY424TOW	28	STAF089A00	110	TIPSD	107
KSUE5024TW	57	LOOP2	96	REE2024	37	STANAV	83	TS	131
KSUE8024EK	57	LUMY230EL	112	REE2324	38	STAR3024	32	TUE123	62
KSUE8024KK	57	LUMY230L	112	REP2024S	37	STO12024F	86	TUE163	62
KTUE12324ES	60	LUMY24L	112	REP2224S	38	STO12024FI	86	TUE4324	58
KTUE12324KS	60	LUMYU	112	REV1	37	STO1	87	TUE5324F	58
KTUE123ES	64	MAE24	122	REV2	37	STO20324	88	TUE6324	58
KTUE123KS	64	OP100	49	REV3	37	STO25024	86	TUE8324	58
KTUE163ES	64	PO24	122	RN800	55	STO25024I	86	TUE12324	58
KTUE163KS	64	PROFT6	96	RUEL004A00	87	STO2	87	TUE63	62
KTUE4324ES	60	PROFT8	96	RX2H	129	STO3	87	TUE93	62
KTUE4324KS	60	PROFT	96	RX433S	108	STPOAVS	83	TWIN	55
KTUE5324FES	60	PS-400FA	82	RX4K	108	SUB44F	104	TX2B	129
KTUE5324FKS	60	PS400-24FA	82	RX8	108	SUB44N	104	TZ1500B	75
KTUE63ES	58	PV30W	110	RXBDS	87	SUB44R	104	TZ2000B	69
KTUE63ES	58	QUADRO	118	RXM23K	109	SUB44WF	104	TZ200	75
KTUE63KS	58	RAB31	70	RXM28	109	SUB44WN	104	UND10	48
KTUE8324ES	57	RAB3X1P	70	RXM5A	109	SUB44WR	104	UND24	48
KTUE8324ES	60	RAB41	70	SB3	49	SUB84WR	104	UND24E	48
KTUE8324KS	57	RAB61	70	SBCO6	75	SUE5024	54	UND24F	48
KTUE8324KS	60	RAL31	70	SBLEXT	45	SUE5024F	54	UND	48
								VIP2	118

GENERAL TERMS AND CONDITIONS OF SALE

1. GENERAL PROVISIONS: SCOPE - EFFECTIVENESS OF GENERAL TERMS AND CONDITIONS OF SALE

These General Terms and Conditions of Sale replace the previous ones and apply to all contracts relating to Key Automation S.r.l. branded products, entered into by Key Automation S.r.l. (hereinafter: Key Automation, with registered office in San Donà di Piave (VE), via Meucci No. 23, Tax Code VAT IT03627650264 - Bus. Reg. VE326953) directly with its professional Customers (wholesalers, distributors, retailers, installers, professional management customers) (hereinafter: Customer). These General Terms and Conditions of Sale do not have any effect on third parties, including end purchasers of the products. Each of the aforementioned contracts relating to Key Automation S.r.l. branded products, concluded by Key Automation directly with its professional Customers indicated above, is therefore governed by these General Terms and Conditions of Sale, which are an integral part of the contracts themselves and replace and invalidate any conflicting clause or particular agreement contained in the order or other document from the Customer. These General Terms and Conditions of Sale take effect when they become known to the Customer by means of publication on Key Automation's corporate website <https://keyautomation.com/it/pages/terms-of-sales> or by other suitable means. Information contained in the catalogues such as descriptions, pictures, table values or other information is for illustrative purposes only and may be modified by Key Automation at any time.

2. ORDERS - CANCELLATION TERMS

All orders are "subject to availability and price list changes". Key Automation reserves the right to accept or reject, in whole or in part, Customer orders based on their compliance or non-compliance with these general conditions and the availability of the requested products. Key Automation reserves the right to make technical changes to the products on its price list at any time, without this giving rise to any claims on the part of the Customer. Orders cannot be cancelled in whole or in part by the Customer after 10 (ten) days from their submission to Key Automation. In the event of cancellation after this deadline, Key Automation shall be entitled to full compensation.

3. PRICING

Products are sold by Key Automation to the Customer at current Key Automation list prices at the time of delivery. Key Automation reserves the right to change its prices in the event that during the supply there are changes in costs not attributable to it. The Customer undertakes to accept without reservation any price list variations occurring between the order and delivery of the product. Key Automation list prices are always ex-works, excluding VAT, packaging included.

4. TERMS OF DELIVERY

All products are delivered ex works, Key Automation S.r.l., via Meucci n. 23, 30027 San Donà di Piave (Venice). Unless otherwise agreed upon in writing, delivery time is 10 (ten) days for domestic deliveries and 30 (thirty) days for international deliveries, except for products listed with a clock, for which the delivery time is within 6 (six) weeks. The delivery period commences with the Customer's acceptance of the Key Automation order confirmation. Any delay not exceeding the tolerances of use shall not entitle the Customer to request termination, even partial, of the contract, to refuse delivery of the products, or to claim damages. Any obligation to deliver goods is fulfilled by delivery to the carrier. Key Automation shall not be liable for delivery of goods in all cases of unforeseeable circumstances or force majeure, strikes, socio-political unrest or unavailability of raw materials, electronic components or other unavailability of products, erroneous reporting, errors or delays in reporting by the customer in the sending of information required to execute an order, non-compliance with payment conditions by the customer, changes accepted by Key Automation following receipt of an order, or in any other cases when events occur that prevent the delivery of goods through no fault of Key Automation.

5. SHIPPING

Shipments shall be effected by means of a courier contracted with Key Automation, who will automatically charge the corresponding invoice amount. At the time the order is placed, the Customer shall be able to agree with Key Automation on the use of an alternative courier, which shall always be at the Customer's expense, or on the direct collection of the goods, ex works Key Automation S.r.l., via Meucci No. 23, 30027 San Donà di Piave (Venice). Goods shall always be transported at the Customer's own risk. Any theft, loss, deterioration, or shortfall of goods shall not exempt the Customer from the obligation to settle payment of the cost, if the goods have been duly delivered on departure from the Key Automation factory to the carrier. Goods are not covered by an insurance policy, unless expressly requested by the Customer and at their own expense and risk.

6. WITHDRAWAL OF PRODUCTS

The Customer undertakes to collect goods when they are made available to them, as soon as they have been notified by telephone or in writing (including by e-mail). In the event of a delay, Key Automation shall be entitled – in addition to full payment of the price – to reimbursement of the costs of storage or storage and custody of uncollected or delayed goods, whether at Key Automation's warehouses or at those of carriers, or others.

GENERAL TERMS AND CONDITIONS OF SALE

7. WARRANTY / RECOURSE AND RELATED DURATION – CASES OF EXCLUSION OF WARRANTY

Key Automation's warranty commences from the date of manufacture affixed to each Key Automation branded product and is valid for 30 (thirty) months. This period of warranty is in all cases to be regarded as irrevocable and binding. The Customer may therefore exercise their right of recourse against Key Automation within 30 (thirty) months from the date of manufacture affixed to Key Automation branded products. The Key Automation warranty – which in all cases requires the Customer to produce the product's purchase receipt issued by Key Automation – is exclusively limited to repair or replacement, free of charge, of parts acknowledged by Key Automation to be defective due to a lack of basic material quality or poor workmanship. The Customer is obliged to report any apparent defects within 8 (eight) days of receipt, and any hidden defects within 8 (eight) days of their discovery, under penalty of forfeiture. Claims may never give rise to the cancellation or reduction in orders on the part of the Customer, nor to the payment of compensation and/or damages of any kind by Key Automation, except in the event of gross negligence or wilful misconduct on the part of the latter. Disputed goods must be returned free of charge to the address at Key Automation S.r.l. (30027 San Donà di Piave (VE), via Meucci No. 23). The Key Automation warranty is void if parts returned as defective have been tampered with or repaired in any way. For items whose period of warranty has expired, or out of warranty, Key Automation undertakes to repair the items against charge of the repair costs. In the event of equipment that cannot be fully or partially repaired, Key Automation shall return it in the state in which it was delivered, or, at the Customer's explicit request, shall repair it by replacing the parts that cannot be repaired, charging the Customer for the cost of the parts delivered. Key Automation accepts no liability for flaws or defects resulting from unforeseeable circumstances or force majeure, in respect of which the warranty shall not apply. Furthermore, Key Automation accepts no liability in the event of connection, association or interaction of its products with other products that are not supplied by Key Automation. Key Automation products must only be used in conjunction with Key Automation products; failure to do so shall invalidate the warranty referred to in this article. Key Automation also accepts no liability, and no warranty shall be recognised, in the event of failure to comply with the assembly and electrical connection instructions, or with electrical regulations or other specific current standards at the time of installation, as well as in the event that Key Automation electrical or mechanical accessories and components have been installed, used or connected without complying with the diagrams and types of connections for which they were designed, or if Key Automation products have been installed by unqualified personnel lacking the necessary technical skills or legal requirements for a professional installation. Similarly, Key Automation accepts no liability and the warranty shall be void in the event of use or application of products for purposes that are not commensurate with the nature, capacity or scope of the products themselves.

8. CLAIMS AND RETURNS

Before sending any items to Key Automation, the Customer shall submit a request on www.keyautomation.com by accessing the menu Support > Return merchandise portal, and wait for a return approval and the assignment of an identification number; if the Customer does not have an account, they must create one by clicking on "Register" and providing all the required information. Registration implies acceptance of the proposed conditions in their entirety (to be found in the Return Policy on the same portal).

9. TERMINATION CLAUSE

Failure to settle the terms of payment of the price or even only one of the instalments on the agreed due dates and within the terms set forth on the invoice, in addition to forfeiting the Customer's right to the benefit of the term, shall result in Key Automation accruing default interest at the rate envisaged for commercial transactions pursuant to Legislative Decree No. 231/2002, as amended. The sale may also be terminated with full rights at any time by simple written notification from Key Automation to the Customer that this clause has been invoked, and with no requirement for any legal formalities. Goods delivered and not paid for must be returned to Key Automation at the Customer's expense. To this end, Key Automation and commissioned third-party hauliers are authorised to terminate and collect the outstanding goods from Customers' premises. Unless agreed upon in writing, no compensation shall be allowed between any credit owed by the Customer to Key Automation or any debt owed by the Customer for any reason whatsoever.

10. TRADEMARKS AND DISTINGUISHING MARKS

The customer acknowledges that Key Automation products constitute know-how and design and are the exclusive property of Key Automation S.r.l. The Customer is expressly forbidden from infringing upon such rights of Key Automation, and in all cases from removing, obliterating or in any way altering trademarks or other distinguishing marks or abbreviations of any kind affixed to products, as well as affixing new ones of any nature. Unless authorised in writing by Key Automation, any form of reproduction or use of the Key Automation trademark or any other distinguishing marks on products is prohibited..

GENERAL TERMS AND CONDITIONS OF SALE

11. RETENTION OF TITLE

Key Automation retains title to goods sold until full payment is made. Until the price for capital and accessories has therefore been paid in full, the goods delivered, wherever they may be located and even if they have already been resold by the Customer, shall remain the full and exclusive property of Key Automation. Cheques, bills of exchange and sales of receivables shall not be considered as payments until they are actually cashed. In the event of non-payment, Key Automation may take immediate possession of sold products wherever they are located. The Customer is obliged to disclose the names of third-party purchasers of the products from whom Key Automation shall have the right to claim and collect them.

12. APPLICABLE LAW – JURISDICTION

Contracts entered into on the basis of these General Terms and Conditions of Sale are governed by, and shall be construed exclusively, in accordance with Italian law. All disputes arising in connection with the effectiveness, validity, termination, execution, interpretation of these General Terms and Conditions of Sale and of the contracts entered into on the basis hereof shall be subject to Italian jurisdiction and attributed exclusively to the Court of Venice, with the exclusion of any other alternative or competing Courts.

13. MISCELLANEOUS

Key Automation shall not recognise, nor shall it consider itself bound by, any conditions of sale other than those set out in the preceding sections, unless they have been accepted in writing. The laws of the Italian state apply to sales made in EU and non-EU countries. All data is carefully compiled and checked. We do not, however, accept any liability for any errors or omissions.

14. PRIVACY – INFORMATION PURSUANT TO ART. 13 EU REGULATION 2016/679

We use data regarding the Customer for our own administrative and accounting purposes, including by means of external associates. Detailed information, including information on your right of access and other rights, can be found on <https://keyautomation.com/it/pages/privacy>.









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