



KEY
AUTOMATION

GATES AND DOORS AUTOMATION 2025

www.keyautomation.com



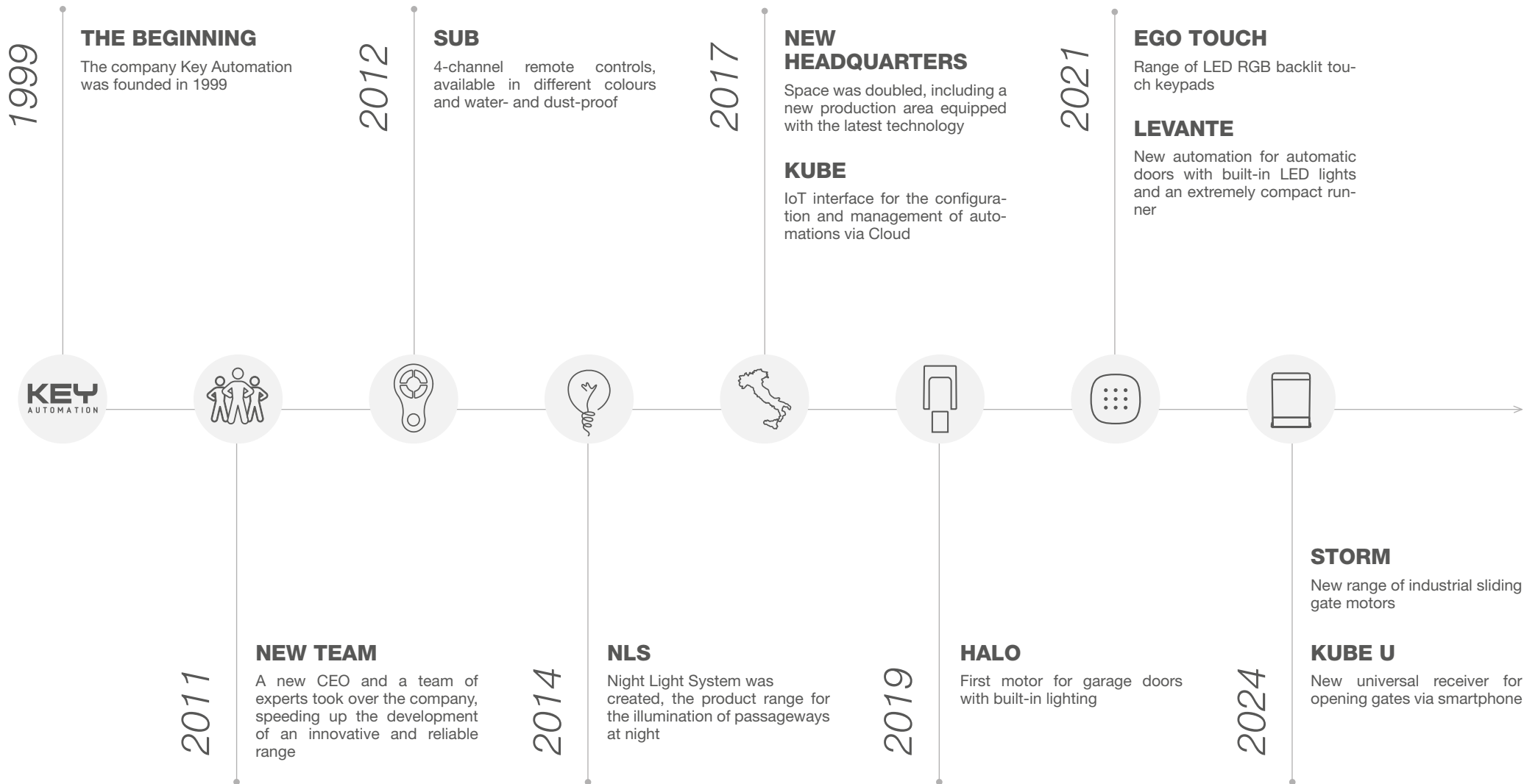
New products Concept and Design: Nicola Michelin
Research and Development: Key Automation
Catalogue Concept: Marketing Key Automation



GATES & DOORS CATALOGUE 2025

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

01 WHO WE ARE KEY AUTOMATION





HISTORY

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

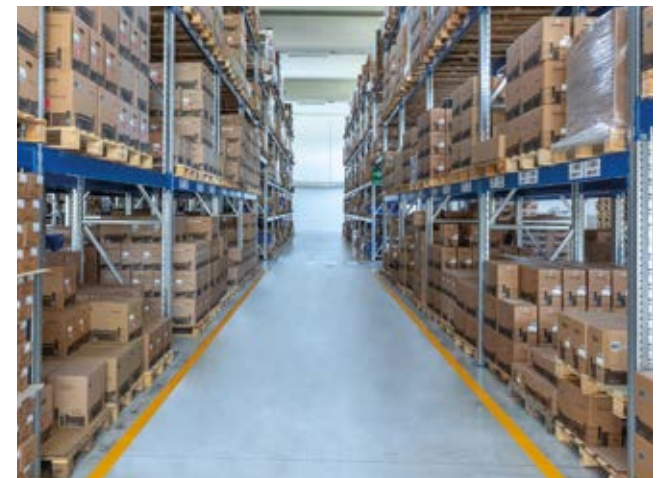
The quality of products and processes is our focus. To maintain consistency over time, we have invested in research and development, internalizing all the know-how required for product design, from mechanics to electronics, IoT software, and design

KEY TODAY

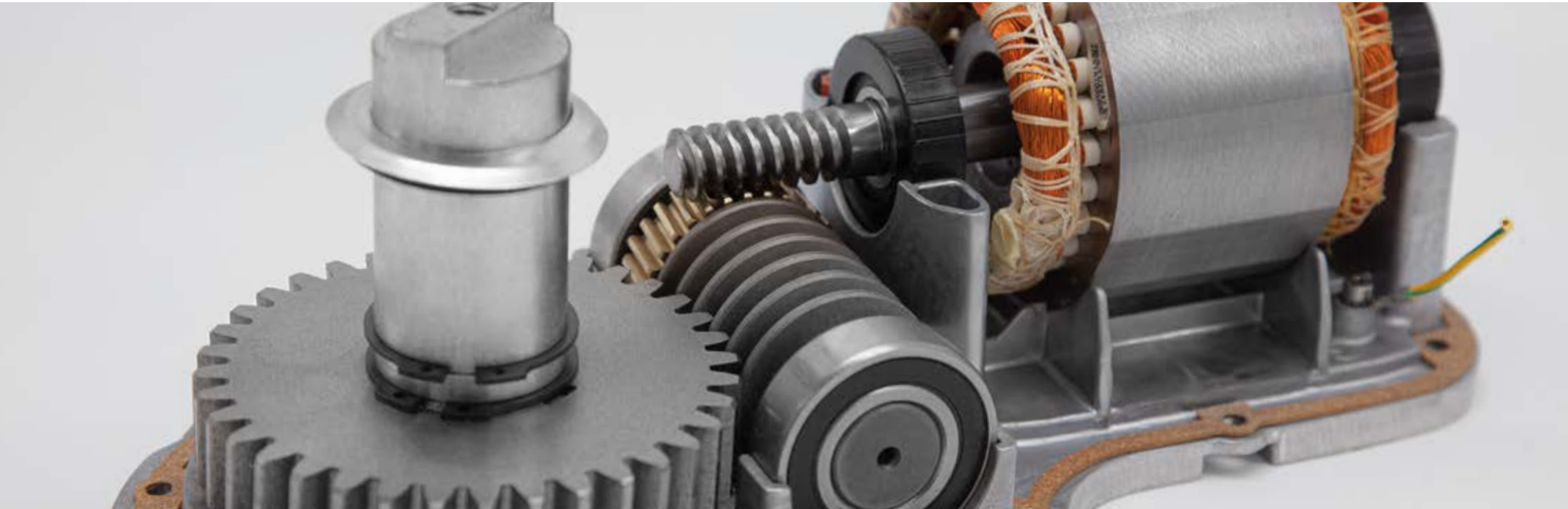
We provide a technologically advanced, comprehensive range, that is easy to program and use. We assemble our products in-house and test all production processes to provide our partner customers with an optimum service and high-quality products

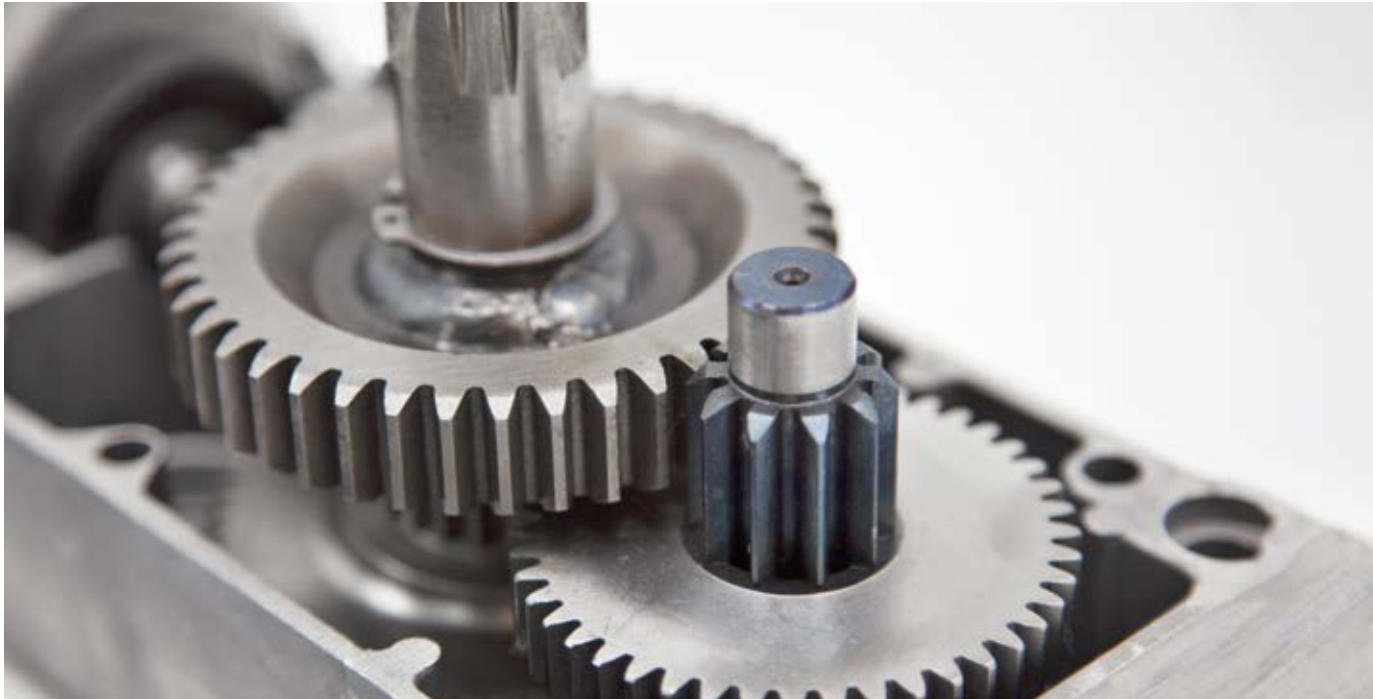
In 2017 we opened the new plant, doubling the space compared to the previous site. This modern building accommodates final product assembly, using all the modern approaches pioneered by Industry 4.0

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



02 *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

03 OUR COMPETITIVE ADVANTAGES

ELECTRONICS



CUTTING-EDGE ELECTRONICS

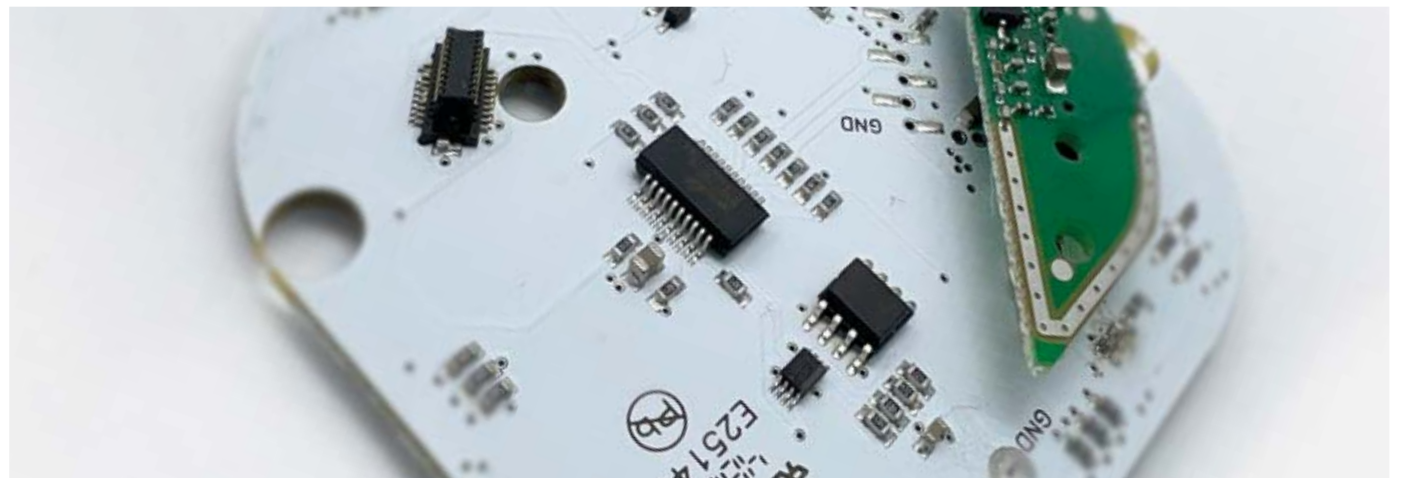
All electronic development is carried out in-house - from board design, to the selection of the best and newest components, to the development of production test benches, which are required to maintain consistent quality standards in series production

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





04 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

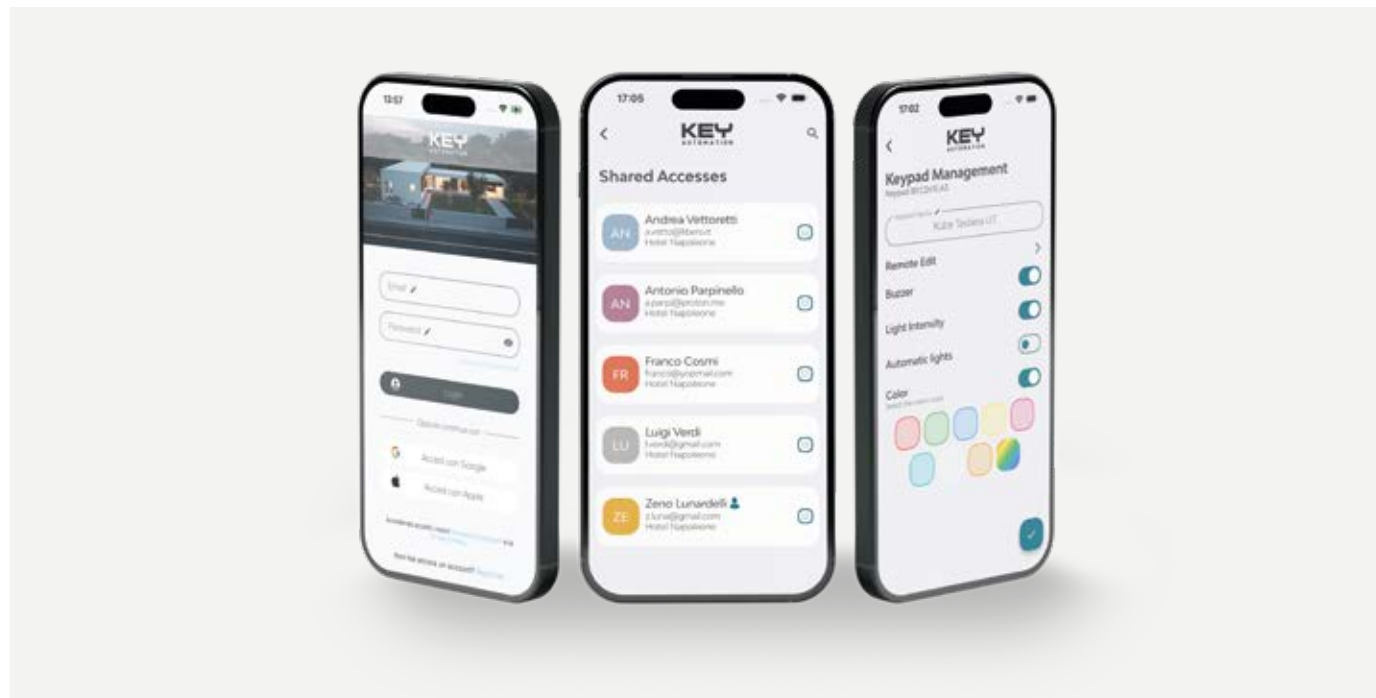
Same programming for all motors

Programming using KUBEPRO wireless module

LED indicator for inputs and safeties

Removable DYL programming display to protect the automation system

CLOUD back-up of installation parameters



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

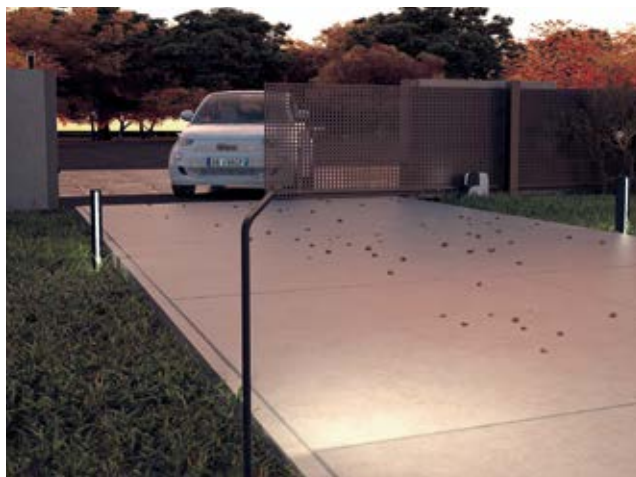
Defines the width of the driveway passage during the night hours, simplifying the entrance and exit from the house

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

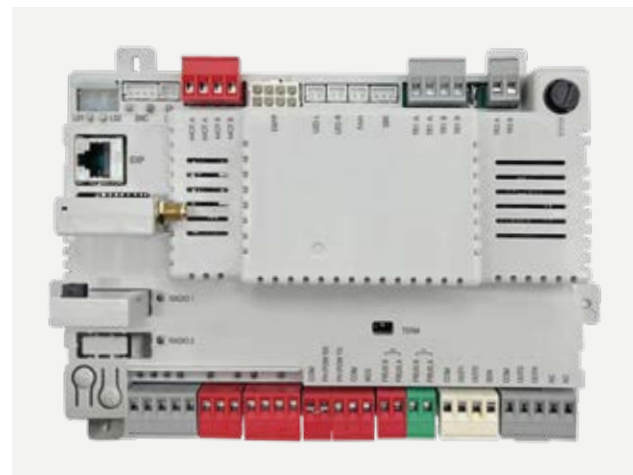
Large internal spaces for cable passage and optional accessories also in DIN rail

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 CT10324 for condominium use. Also available in FASTLINE versions (40cm/s)

*aggregate power for light outputs plus services: 40 W



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 KUBEPRO/KUBE 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

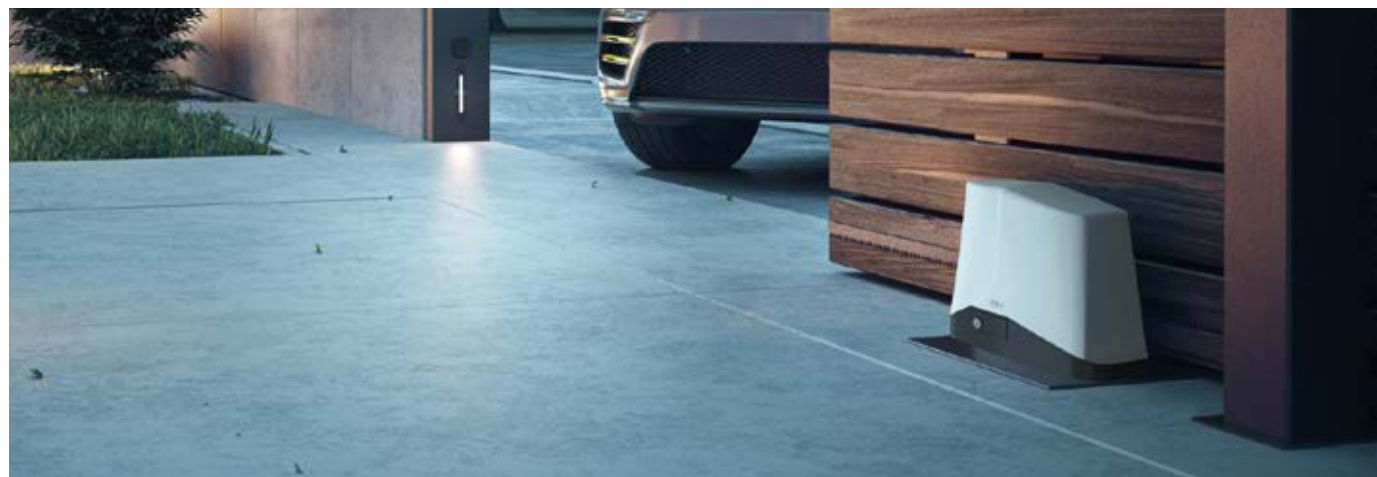
Fixing points interchangeable with competitors foundation plates

CT10324

New 24 Vdc control unit

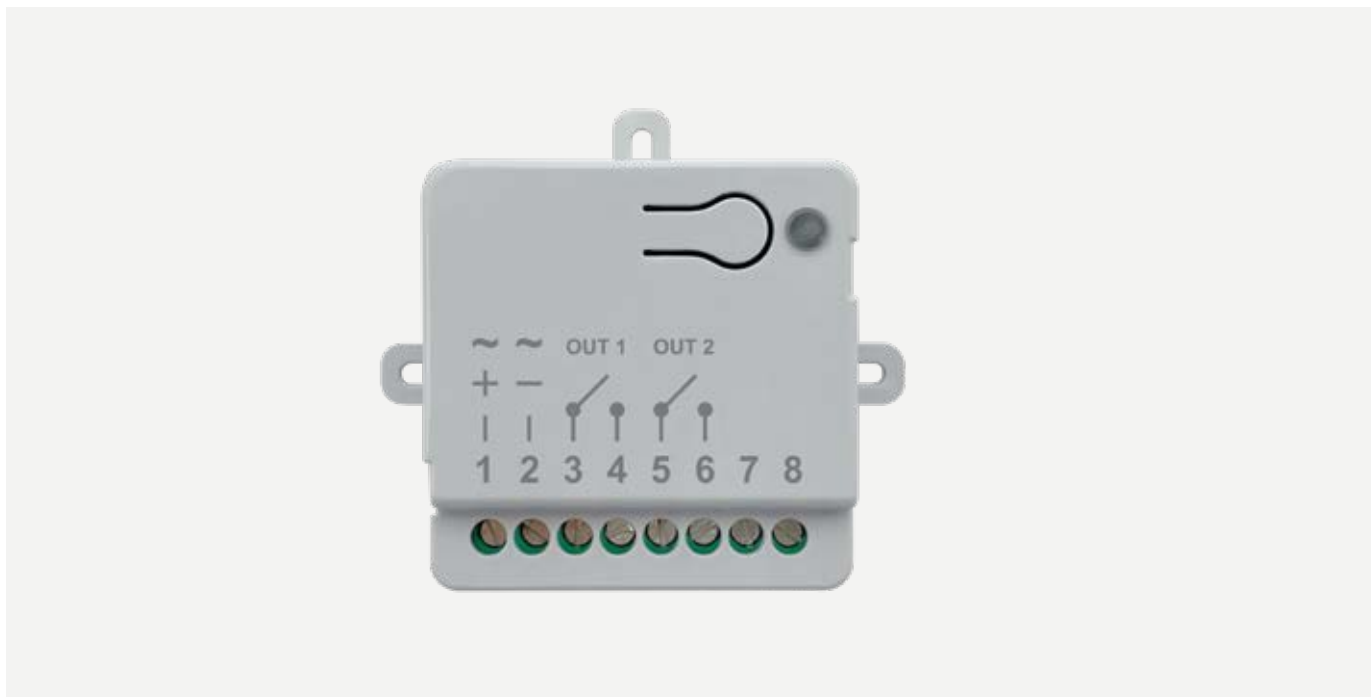
Set up for programming and access with KUBEPRO / KUBE IoT module

Ready for connection to PowerBUS accessories (via optional BUS interface, alternative to KUBE/KUBEPRO)



06 NEW ITEMS IN THE CATALOGUE

KUBE UNIVERSALE & APP SMART



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



APP SMART

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

07 SNEAK PEEK



KUBE BLUETOOTH / WI-FI PowerBUS INTERFACE

New wireless module WI-FI / BLUETOOTH

PLUS

WI-FI 4.0 2.4 GHz (802.11 b/g/n)
BLUETOOTH 5.0

Compatible with CT10324 / CT20324 / CT10324HD / 14A / MA24ISL

Optional external WI-FI antenna

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)



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 OUTDOOR

3-channel touch remote controls, IP65 water and dust resistant

PLUS

Suitable for outdoor use (remote controls only)

3-channel remote controls with presence sensor and light sensor, for indoor use

Practical wall support for one or two remote controls



Simple and intuitive programming and data management thanks to the KUBEPRO 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, CT20324 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 SLIDING 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, residential 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, residential use, up to 4 m	RAY40 / RAY40LATI

STAR

GEAR MOTOR FOR LEAVES UP TO 3 m

24 Vdc, residential use	STAR3024
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RÉVO+

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

24 Vdc, residential use, with control unit	REP2024 / REP2324
24 Vdc, residential use, only motor	REP2024S / REP2224S

MEWA

GEAR MOTOR WITH ARTICULATED ARMS FOR LEAVES UP TO 4 m

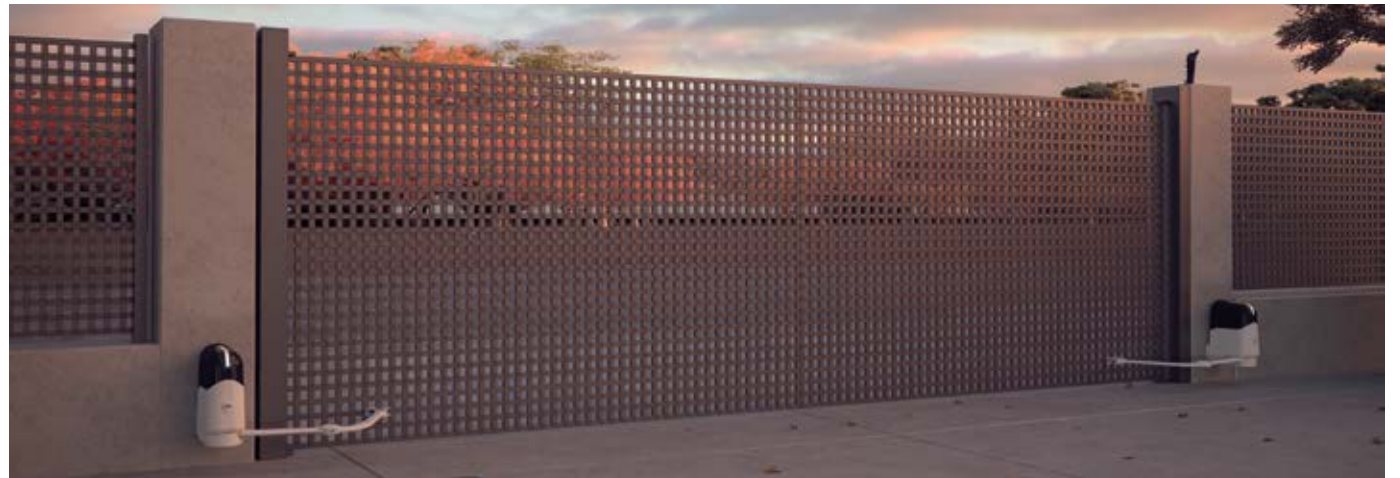
230 Vac, residential use	SN-50 / KSN50B
24 Vdc, residential use	SN-50-24 / KSN5024B

UNDER

GEAR MOTOR FOR LEAVES UP TO 3,5 m

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

RESIDENTIAL 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. Residential use	25
RAY2524E	For swing gates with maximum length 3 m or max weight 500 kg per leaf, 24 Vdc motor, with encoder. Residential 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. Residential 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

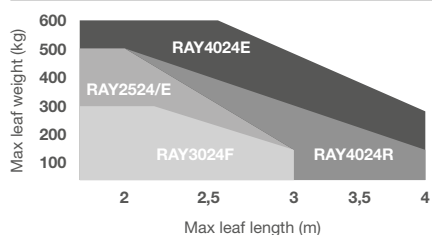
control unit		14AB	14AB	14AB2	14AB2	14AB2F
voltage	Vdc	24	24	24	24	24
consumption	A	3,5	3,5	5	5	5
absorbed power	W	85	85	120	120	120
integrated lights		yes	yes	yes	yes	yes

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 door at a temperature of 20°C
** with optimized fixing dimensions

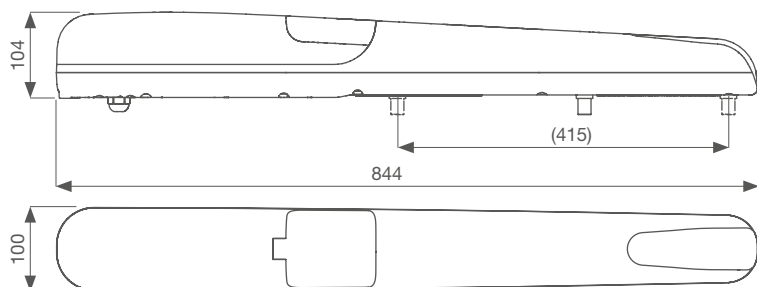
LIMIT USE



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 RAY4024 model is recommended for condominium installations

DIMENSIONS



ACCESSORIES



ADFB
Pair of adjustable front mounting brackets



ADRB
Pair of adjustable rear mounting brackets



ADWA
Adapter kit for competitors motors



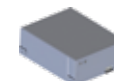
FCRAY
Mechanical stop in closing

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

PC 1



550CABL045A00 *
Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m)

PC 1



14AB2
Control unit in box for two 24 Vdc motors

PC 1



14AB2F
Control unit in box for two 24 Vdc motors (only RAY3024F)

PC 1



DYL
Programming module
Cable length 120 cm (only 14A board)

PC 1



KUBEPRO
Wireless programming module

PC 1



KUBE
Wireless controlling module for end user

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

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



PLUS

High technological materials resistant to weather conditions








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

MODELS

CODE	DESCRIPTION	PCS PALLET
RAY40	For swing gates with maximum length 4 m or max weight 600 kg per leaf, 230 Vac motor. Residential 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. Residential use	25
 RAY2224	For swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor. Residential use	25
 RAY224WIN 	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. Residential 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



Stylish design screwless at sight



Possibility to unlock motor with transmitter



In line brackets



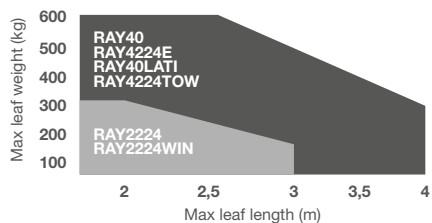
Metal gearing (RAY40, RAY4224E)

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		CT202	CT20324	CT20324E
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 door at a temperature of 20°C
** with optimized fixing dimensions

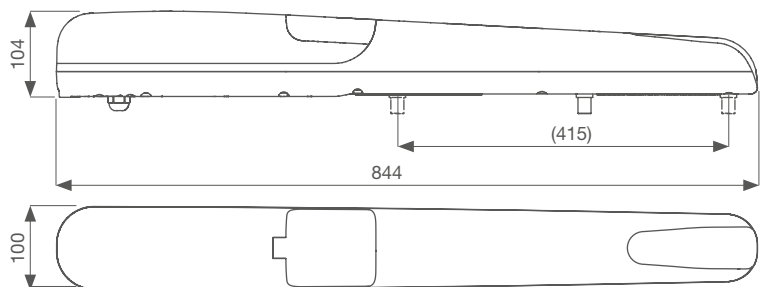
LIMIT USE



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



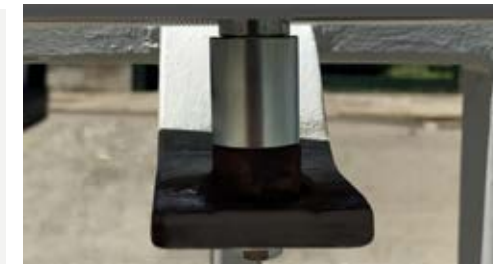
ACCESSORIES

 ADFB Pair of adjustable front mounting brackets PC 1	 ADRB 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	 CT20324 Control unit 2 motors, 24 Vdc in box (only RAY2224) PC 1	 CT20324E Control unit 2 motors, 24 Vdc in box (only RAY2224E) PC 1
 CT202 Control unit in box for two 230 Vac motors (only RAY40) PC 1	 RX4K 4-channel plug-in receiver, 433MHz, for CT202 control unit PC 1	 KUBEPRO Wireless module for programming (only 24 Vdc) PC 1	 KUBE Wireless controlling module for end user (only 24 Vdc) PC 1

* The brands mentioned are not owned by KEY AUTOMATION



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




RAY KIT

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

















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)
- CT20324 control unit (version without NLS)
- CT202 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 KUBEPRO 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
  KRAY2524EK	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. Residential use	21,7 kg	18
  KRAY2524KK	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with slowdown and opening mechanic stop. Residential use	21 kg	18
  KRAY4024EK	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
  KRAY4024KK	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
  KRAY3024FEK 	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
  KRAY3024FKK 	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	ADFB	ADRB	14A	ECLIPSE	RX4K	FT33/FT23	SUB44WR	SUB44R	KUBE
KRAY2524EK	• 2 PCS			• 14AB	•	•	• FT33	• 1 PC		•
KRAY2524KK	• 2 PCS	•	•	• 14AB	•	•	• FT23		• 1 PC	•
KRAY4024EK	• 2 PCS			• 14AB2	•	•	• FT33	• 1 PC		•
KRAY4024KK	• 2 PCS	•	•	• 14AB2	•	•	• FT23		• 1 PC	•
KRAY3024FEK	• 2 PCS			• 14AB2F	•	•	• FT33	• 1 PC		•
KRAY3024FKK	• 2 PCS	•	•	• 14AB2F	•	•	• FT23		• 1 PC	•

MODELS WITHOUT NIGHT LIGHT SYSTEM

CODE	DESCRIPTION	WEIGHT	PCS PALLET
KRAY42ES	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
KRAY42KS	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
  KRAY2324ES	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
  KRAY2324KS	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
  KRAY4324ES	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
  KRAY4324KS	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	ADFB	ADRB	CT202	CT20324	LUMY	RX4K	FT33/FT23	SUB44WR	SUB44R
KRAY42ES	• 2 PCS			•		•	•	• FT33	• 2 PCS	
KRAY42KS	• 2 PCS	•	•	•			•	• FT23		• 2 PCS
KRAY2324ES	• 2 PCS				•	•	INTEGRATED	• FT33	• 2 PCS	
KRAY2324KS	• 2 PCS	•	•		•		INTEGRATED	• FT23		• 2 PCS
KRAY4324ES	• 2 PCS				•	•	INTEGRATED	• FT33	• 2 PCS	
KRAY4324KS	• 2 PCS	•	•		•		INTEGRATED	• FT23		• 2 PCS



**NEW
COLOR**

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). Residential 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 CT20324 (optional)
 Motor up to 3 m max length
 Available in kit version



Sturdy telescopic stem



Simple and reliable reduction



Without encoder



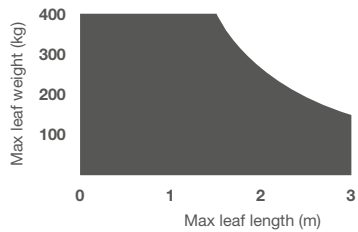
New control unit CT20324 with integrated receiver programmable with KUBEPRO

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		CT20324
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

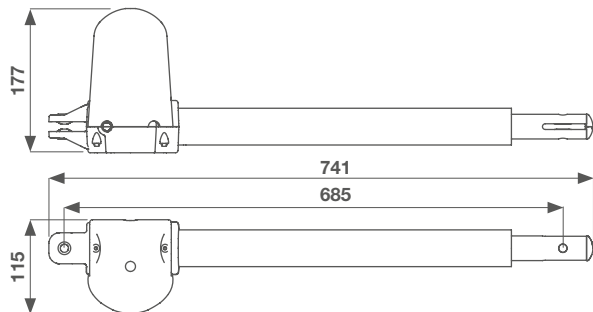
* with non-panelled door at a temperature of 20°C

LIMIT USE


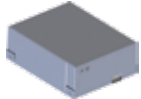






Gate shape and height, weather conditions, and the presence of strong winds can considerably reduce the values shown in the graph

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	CT20324 Control unit 2 motors, 24 Vdc in box
PC 1	PC 1	PC 1	PC 1
			
KUBEPRO Wireless module for programming	KUBE Module for automation control from smartphone		
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 KUBEPRO wireless module

MODELS

	CODE	DESCRIPTION	WEIGHT	PCS PALLET
	KSTAR3324ES	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with an integrated receiver and slowdown. Residential use	14,2 kg	18
	KSTAR3324KS	Kit for swing gates with leaves up to 3 m, 24 Vdc motor, control unit with an integrated receiver and slowdown. Residential use	14 kg	18

KIT COMPONENTS

	STAR	CT20324	LUMY	RX4K	FT33/FT23	SUB44WR	SUB44R
KSTAR3324ES	• 2 PCS	•	•	INTEGRATED	• FT33	• 2 PCS	
KSTAR3324KS	• 2 PCS	•		INTEGRATED	• FT23		• 2 PCS



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



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

MODELS

CODE	DESCRIPTION	PCS PALLET
REP2024	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). Residential use	24
REP2024S	For swing gates with maximum length 2,3 m or weight 250 kg per leaf, 24 Vdc motor. Without control unit. Residential use	24



Installation up to 5 cm from the ground



Easy cable passage



Suitable for narrow pillars (10x10 cm)



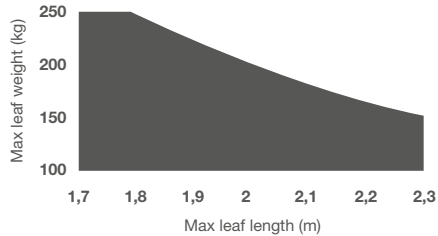
Simplified limit switch adjustment

TECHNICAL DATA

		REP2024	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

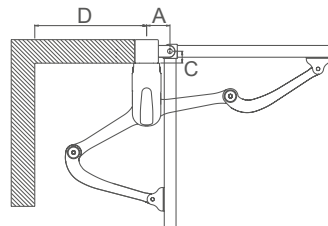
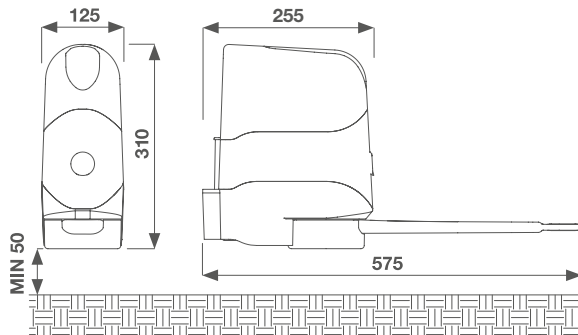
* with non-panelled door at a temperature of 20°C

LIMIT USE



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

DIMENSIONS



A min	100
C max	200
D min	450

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	 550CABL045A00 * Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm ² (100m)
PC 1	PC 1	PC 1	PC 1
 DYL Programming module Cable length 120 cm (only 14A board)	 KUBEPRO Wireless programming module	 KUBE Module for automation control from smartphone	
PC 1	PC 1	PC 1	

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



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

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

MODELS

CODE	DESCRIPTION	PCS PALLET
REP2324	For swing gates with maximum length 2,3 m or weight 250 kg per leaf, 24 Vdc motor, with control unit. Residential use	24
REP2224S	For swing gates with maximum length 2,3 m or weight 250 kg per leaf, 24 Vdc motor, without control unit. Residential use	24



Installation up to 5 cm from the ground



New control unit CT20324 with integrated receiver programmable with KUBEPRO



Suitable for narrow pillars (10x10 cm)



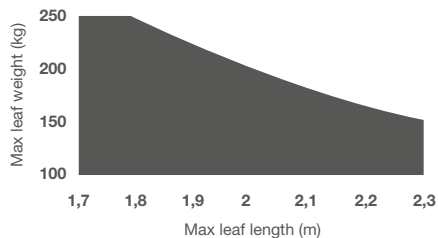
Simplified limit switch adjustment

TECHNICAL DATA

		REP2324	REP2224S
MECHANICAL DATA			
torque	Nm	120	120
cycles/hour*		30	30
opening time at 90°	sec	14-20	14-20
ELECTRICAL DATA			
control unit		CT20324	-
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

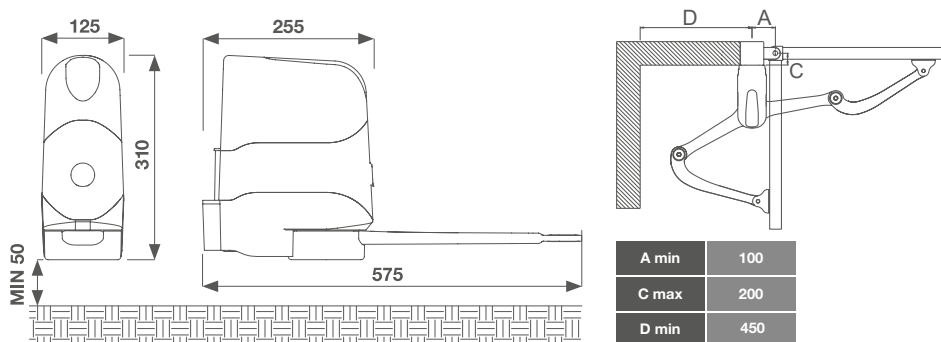
* with non-panelled door at a temperature of 20°C

LIMIT USE


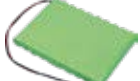









Gate shape and height, weather conditions, and the presence of strong winds can considerably reduce the values shown in the graph

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	 KUBEPRO Wireless programming module
PC 1	PC 1	PC 1	PC 1
 KUBE Module for automation control from smartphone			
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 KUBEPRO 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
 KREP2024EK	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). Residential use	21,9 kg	24
 KREP2024KK	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). Residential use	21,6 kg	24







KIT COMPONENTS

	 RÉVO+	ECLIPSE	RX4K	FT33/FT23	SUB44WR	SUB44R	KUBE
KREP2024EK	• 2 PCS	•	•	• FT33	• 1 PC		•
KREP2024KK	• 2 PCS		•	• FT23		• 1 PC	•

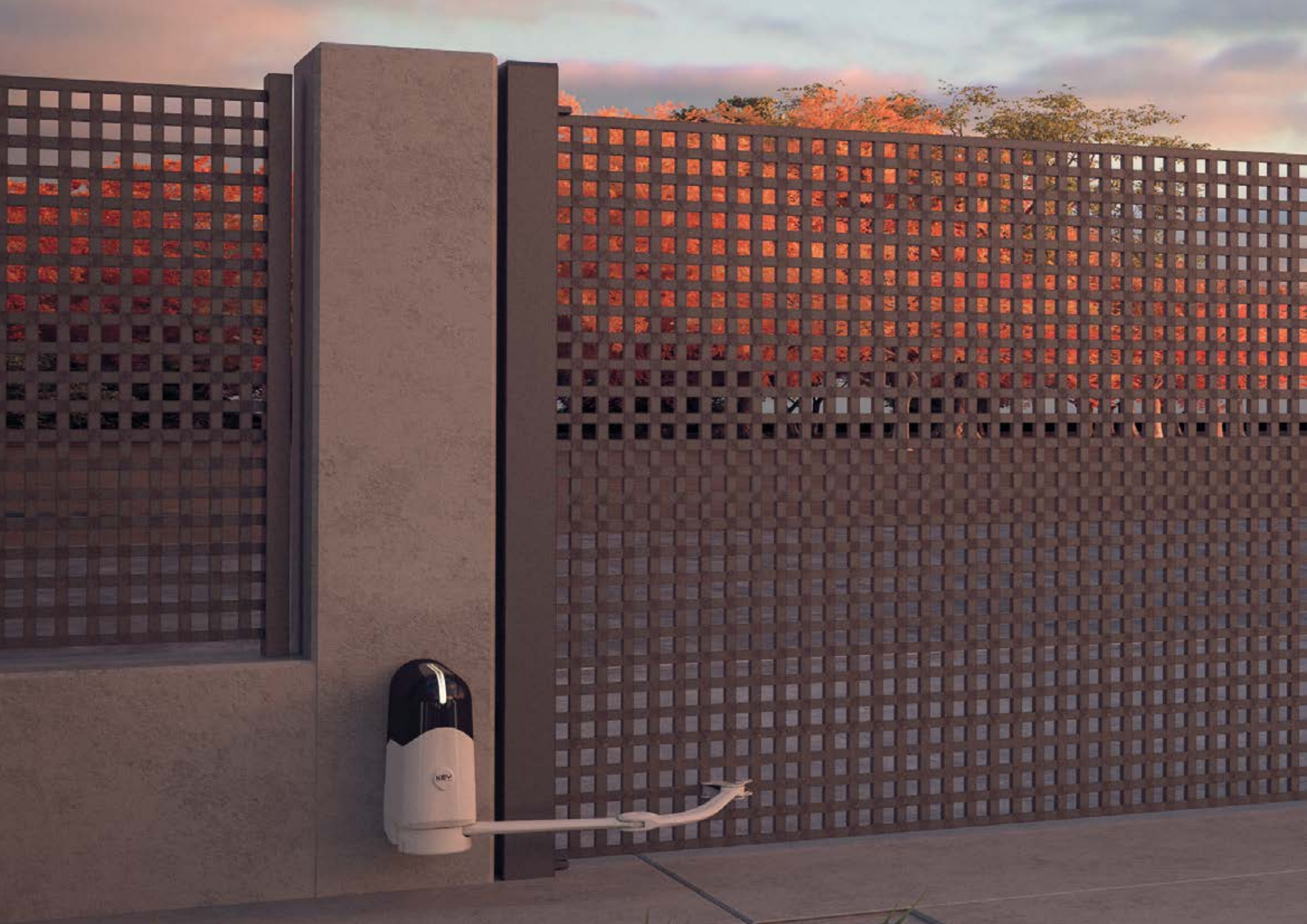
MODELS WITHOUT NIGHT LIGHT SYSTEM

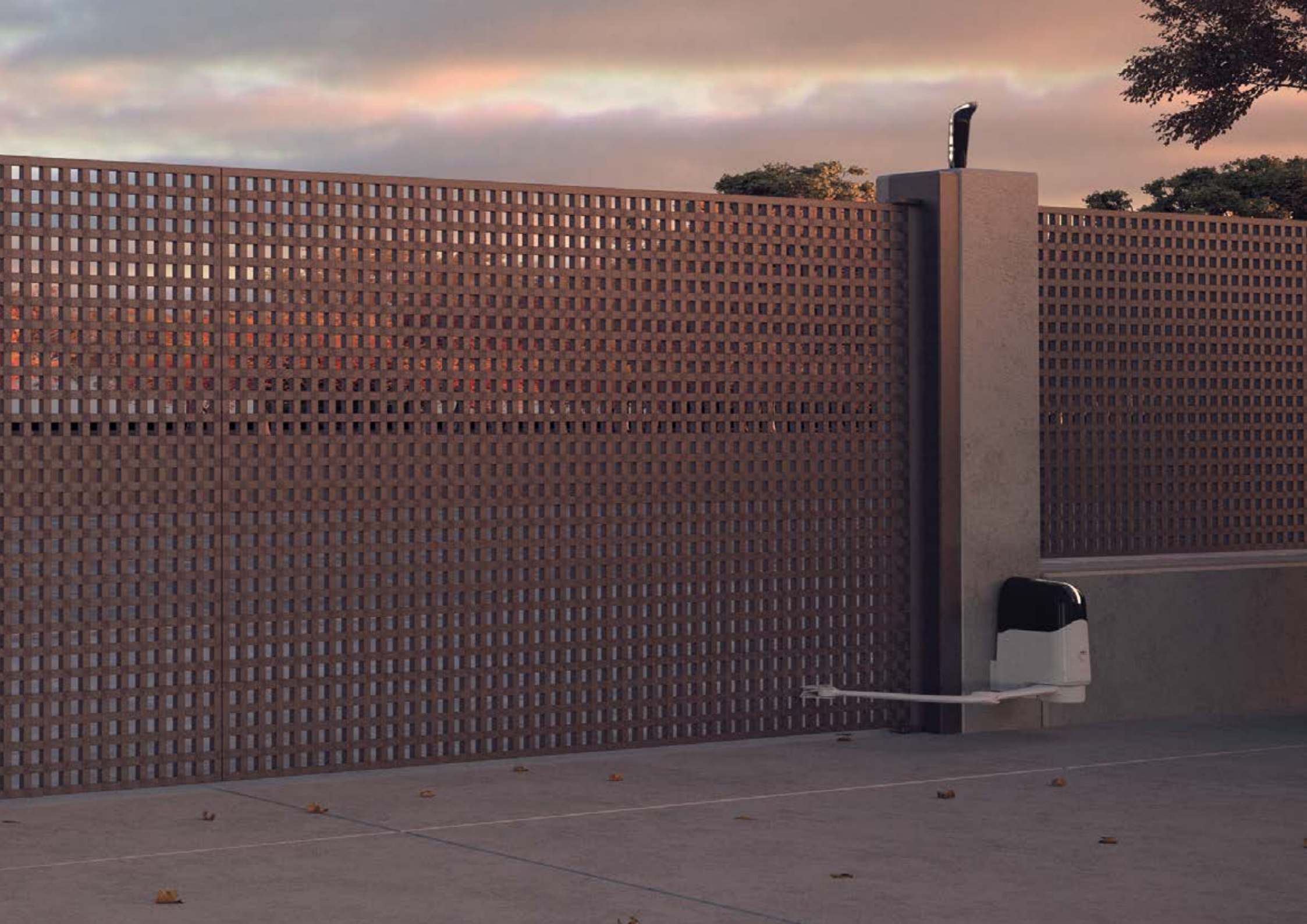
CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KREP2324ES	Kit for swing gates with leaves up to 2,3 m, 24 Vdc motor with articulated arms, control unit with an integrated receiver and slowdown, mechanical stop in opening and closing (with control unit CT20324). Residential use	20,4 kg	24
 KREP2324KS	Kit for swing 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 CT20324). Residential use	20,1 kg	24

KIT COMPONENTS

	 RÉVO+	 LUMY	 RX4K	 FT33/FT23	 SUB44WR	 SUB44R
KREP2324ES	• 2 PCS	•	INTEGRATED	• FT33	• 2 PCS	
KREP2324KS	• 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. Residential 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. Residential 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). Residential use	12
 SN5024DX	RIGHT motor (view from inside) for swing gates with maximum length 3 m per leaf, 24 Vdc motor with encoder. Residential use	12
 SN5024SX	LEFT motor (view from inside) for swing gates with maximum length 3 m per leaf, 24 Vdc motor with encoder. Residential use	12
 KSN5024B	Pair of motors for swing gates with maximum length 3 m per leaf, 24 Vdc motor with encoder (2 pcs). Residential 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 14AB2

Compatible with 230 Vac control unit CT202



External release for an easy manual unlock from outside



Reinforced and sturdy arm suitable for wide-angles opening



Powerful motor with solid metal gearbox



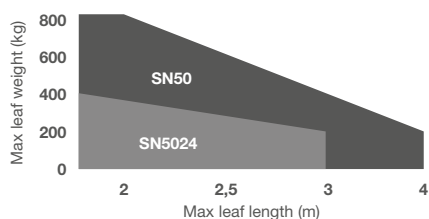
Limit switch with precise regulations

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		CT202	14AB2
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

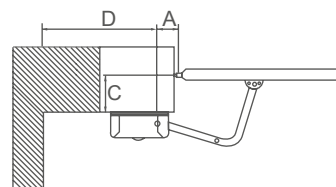
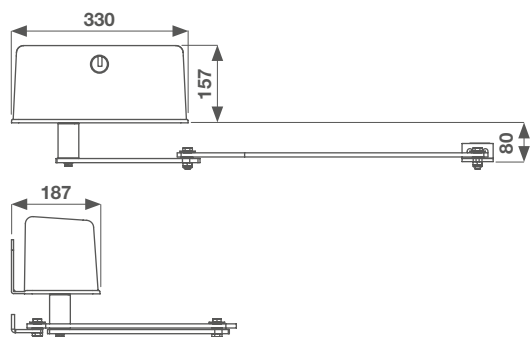
* with non-panelled door at a temperature of 20°C

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 LEVA008A00

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	 BMET Metal box with release system
PC 1	PC 1	PC 1	PC 1
 550CABL045A00 * Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm ² (100m)	 SBLEXT Cable external release kit	 KFE Kit electric limit switches for 24 Vdc version	 LEVA008A00 Articulated straight arm for columns from 301 to 450mm
PC 1	PC 1	PC 1	PC 1
 BDBOC Telescopic arm for folding doors	 CT202 Control unit in box for two 230 Vac motors	 14AB2 Control unit for two motors 24 Vdc in box	 DYL Programming module Cable length 120 cm (for 14A board))
PC 1	PC 1	PC 1	PC 1
 KUBepro Wireless programming module (only 24 Vdc)	 KUBE Module for automation control from smartphone (only 24 Vdc)	 RX4K 4-channel plug-in receiver, 433MHz	
PC 1	PC 1	PC 1	

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

MEWA KIT

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



PLUS

Easy slowdown and open limit settings

Water resistant SUB remote control included

Mechanical parts well protected from external debris

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). Residential use	28 kg	12
KCT202ES	Electronics kit: CT202 + LUMY230E + RX4K + FT33 + 2 pcs SUB44WR	3,150 kg	12
KCT202KS	Electronics kit: CT202 + RX4K + FT23 + 2 pcs SUB44R	2,850 kg	12

KIT COMPONENTS

							
	MEWA	CT202	LUMY	RX4K	FT33/FT23	SUB44WR	SUB44R
KSN50B + KCT202ES	• 2 PCS	•	•	•	• FT33	• 2 PCS	
KSN50B + KCT202KS	• 2 PCS	•		•	• FT23		• 2 PCS







UNDER



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



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. Residential 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. Residential 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 CT202
 Shell 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



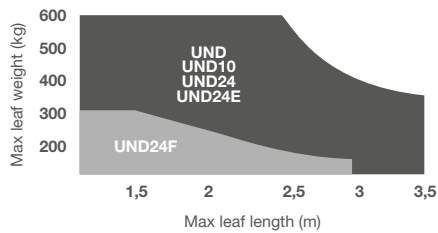
Easy maintenance thanks to the double greasers both on housing and gear motor

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		CT202	CT202	14AB2	14AB2F
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

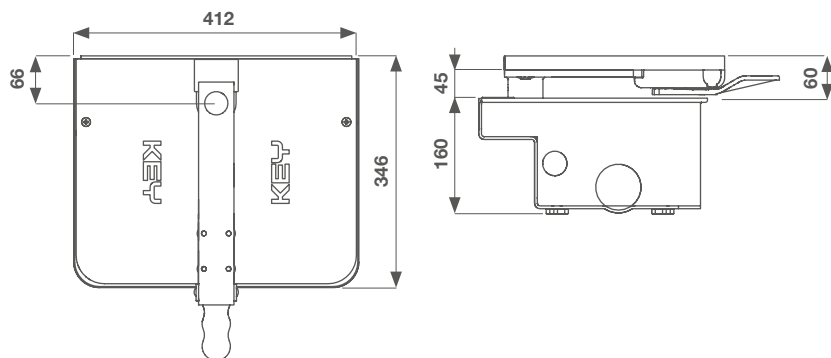
* with non-panelled door at a temperature of 20°C

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

 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	 CF3* Cataphoresis housing box with galvanised cover and unlock lever SB3
PC 1	PC 1	PC 1	PC 1
 CI3* Stainless steel housing box, with unlock lever SB3	 CF3SB* Cataphoresis housing box, without connecting levers	 ADUN Fixing kit for other producers' boxes	 SB3 Unlock lever with key
PC 1	PC 1	PC 1	PC 1
 OP100 Kit for over 100° opening. Leaf length max 3000 mm	 550CABL045A00* Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m)	 14AB2F Control unit in box for two 24 Vdc motors (only UND24F)	 CT20324 Control unit 2 motors, 24 Vdc in box (only UND24)
PC 1	PC 1	PC 1	PC 1
 CT202 Control unit in box for two 230 Vac motors	 14AB2 Control unit in box for two 24 Vdc motors	 RX4K 4-channel plug-in receiver, 433MHz	 DYL Programming module Cable length 120 cm (only 14A board)
PC 1	PC 1	PC 1	PC 1
 KUBEPRO Wireless programming module	 KUBE Module for automation control from smartphone		
PC 1	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 KUBEPRO wireless module. Alternatively, to program the 14A control unit, it is necessary to have the DYL display

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KUND3024EK	Underground kit for swing gates with leaves up to 3,5 m, 24 Vdc motor, control unit with slowdown. With Night Light System included. Intensive use	26,5 kg	12
 KUND3024KK	Underground kit for swing gates with leaves up to 3,5 m, 24 Vdc motor, control unit with slowdown. Intensive use	26 kg	12
KUND2ES	Underground kit for swing gates with leaves up to 3,5 m, 230 Vac motor, control unit with slowdown. Residential use	26,5 kg	12
KUND2KS	Underground kit for swing gates with leaves up to 3,5 m, 230 Vac motor, control unit with slowdown. Residential use	26 kg	12

KIT COMPONENTS

								
	UNDER	14A	ECLIPSE	RX4K	FT33/FT23	SUB44WR	SUB44R	KUBE
KUND3024EK	• 2 PCS	• 14AB2	•	•	• FT33	• 1 PC		•
KUND3024KK	• 2 PCS	• 14AB2		•	• FT23		• 1 PC	•
								
	UNDER	CT202	LUMY	RX4K	FT33/FT23	SUB44WR	SUB44R	
KUND2ES	• 2 PCS	•	•	•	• FT33	• 2 PCS		
KUND2KS	• 2 PCS	•		•	• FT23		• 2 PCS	



SELECTION GUIDE

SYSTEMS FOR SLIDING GATES

SUN

GEAR MOTOR FOR GATES UP TO 1100 Kg

24 Vdc, residential use, up to 500 Kg

SUN5024 / SUN5324

24 Vdc, intensive use, up to 500 Kg

FASTLINE SUN5024F

24 Vdc, intensive use, up to 700 kg

SUN7024 / SUN7324

24 Vdc, intensive use, up to 1100 kg

SUN11024 / SUN11324

TURBO S

GEAR MOTOR FOR GATES UP TO 1600 kg

24 Vdc, residential use, up to 400 kg

TUS4324

24 Vdc, intensive use, up to 700 kg

TUS7324

24 Vdc, intensive use, up to 1100 kg

TUS11324

230 Vac, residential use, up to 600 kg

TUS62

230 Vac, residential use, up to 900 kg

TUS92

230 Vac, residential use, up to 1200 kg

TUS122

230 Vac, residential use, up to 1600 kg

TUS162

RESIDENTIAL 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 1100 Kg, 24 Vdc WITH INTEGRATED NIGHT LIGHT SYSTEM



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

FASTLINE

SUN FAST: Opening speed up to 40 cm/sec

MODELS

CODE	DESCRIPTION	PCS PALLET
SUN5024	For sliding gates up to 500 Kg, 24 Vdc motor, control unit 14A with slowdown and electric limit switch. Residential use	36
SUN7024	For sliding gates up to 700 Kg, 24 Vdc motor, control unit 14A with slowdown and electric limit switch. Intensive use	36
SUN11024	For sliding gates up to 1100 Kg, 24 Vdc motor, control unit 14A with slowdown and electric limit switch. Intensive use	36
SUN5024F	For sliding gates up to 500 Kg, 24 Vdc fast motor, control unit 14A with slowdown and magnetic limit switch. Intensive use	36



Control unit 14A



Built-in LED light




Robust gear reduction with self-standing bearing



Stylish design screwless at sight

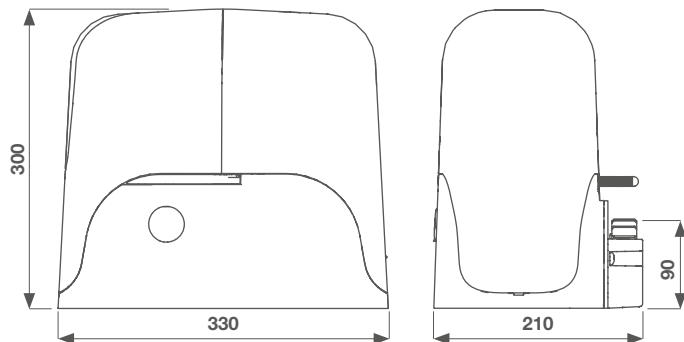
TECHNICAL DATA

		SUN5024	SUN7024	SUN11024	SUN5024F
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
capacitor	µF	-	-	-	-
thermoprotection	°C	-	-	-	-
integrated lights		yes			
GENERIC DATA					
protection degree	IP	44			
dimensions (L - D - H)	mm	330 - 210 - 300			
weight	kg	12,5	13,8	14,5	14
working temperature	°C	-20 + 55	-20 + 55	-20 + 55	-20 + 55
gate maximum weight	kg	500	700	1100	500

*The value varies according to the weight of the gate. For use in shared ownership, we recommend using 700 kg models

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

DIMENSIONS



ACCESSORIES

 <p>RN800 * M4 nylon rack L=1000 mm for gates up to 800 kg</p>	 <p>CREM-8 ** M4 zinc coated rack 30x8 mm L=1000 mm</p>	 <p>CREM-12 ** M4 zinc coated rack 30x12 mm L=1000 mm</p>	 <p>FIMAS Magnetic limit switch conversion kit</p>
€/m	€/m	€/m	PC 1
 <p>KBP Kit of 1.3 Ah lead battery and battery charger</p>	 <p>KCS Unlock kit with key</p>	 <p>550CABL045A00 *** Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm² (100m)</p>	 <p>TWIN Interface for master/slave function (SUN7024 and SUN11024)</p>
PC 1	PC 1	PC 1	PC 1
 <p>DYL Programming module Cable length 120 cm (only 14A board)</p>	 <p>KUBEPRO Wireless programming modules</p>	 <p>KUBE Module for automation control from smartphone</p>	
PC 1	PC 1	PC 1	

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

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES UP TO 700 Kg, 24 Vdc



PLUS

Integrated receiver

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 CT10324 control unit with integrated display

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

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

MODELS

CODE	DESCRIPTION	PCS PALLET
SUN5324	For sliding gates up to 500 Kg, 24 Vdc motor, control unit CT10324 with slowdown and electric limit switch. Integrated receiver. Residential use	36
SUN7324	For sliding gates up to 700 Kg, 24 Vdc motor, control unit CT10324 with slowdown and electric limit switch. Integrated receiver. Intensive use	36
SUN11324	For sliding gates up to 1100 Kg, 24 Vdc motor, control unit CT10324 with slowdown and electric limit switch. Intensive use	36



Manual unlock with trasmitter



Robust gear reduction with self-standing bearing



Control unit CT10324 with integrated receiver programmable with KUBEPRO



Stylish design screwless at sight

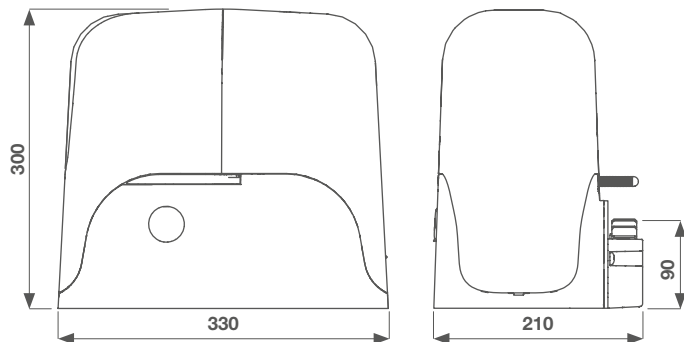
TECHNICAL DATA

		SUN5324	SUN7324	SUN11324
MECHANICAL DATA				
speed*	cm/s	26	25	20
torque	Nm	18	26	38
cycles/hour**		40	40	50
ELECTRICAL DATA				
control unit		CT10324	CT10324	CT10324
automation power supply	Vac	230	230	230
frequency	Hz	50/60	50/60	50/60
motor power supply	Vdc	24	24	24
consumption	A	1,2	1,5	1,8
absorbed power	W	250	345	360
GENERIC DATA				
protection degree	IP		44	
dimensions (L - D - H)	mm		330 - 210 - 300	
weight	kg	12,5	13,6	14,5
working temperature	°C	-20 + 55	-20 + 55	-20 + 55
gate maximum weight	kg	500	700	1100

*The value varies according to the weight of the gate. For use in shared ownership, we recommend using 700 kg models

** Cycles/hour referring to a standard leaf 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	CREM-8 ** M4 zinc coated rack 30x8 mm L=1000 mm	CREM-12 ** M4 zinc coated rack 30x12 mm L=1000 mm	FIMAS Magnetic limit switch conversion kit
€/m	€/m	€/m	PC 1
KBP Kit of 1.3 Ah lead battery and battery charger	KCS Unlock kit with key	TWIN Interface for master/slave battery function	KUBEPRO Wireless programming modules
PC 1	PC 1	PC 1	PC 1
KUBE Module for automation control from smartphone			
PC 1			

* Pack of 10 pcs
** Pack of 4 pcs

SUN KIT

FOR SLIDING GATES UP TO 1100 Kg, 24 Vdc



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 KUBEPRO 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
KSUN5024EK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With night light function included. Residential use	13,2 kg	36
KSUN5024KK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. Residential use	13 kg	36
KSUN5024FEK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14AF with slowdown, magnetic limit switch. With night light function included. Intensive use	14,2 kg	36
KSUN5024FKK	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit 14AF with slowdown, magnetic limit switch. Intensive use	14 kg	36
KSUN7024EK	Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With night light function included. Intensive use	14,4 kg	36
KSUN7024KK	Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. Intensive use	13,8 kg	36
KSUN11024EK	Kit for sliding gates up to 1100 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switch. With night light function included. Intensive use	15,1 kg	36

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KSUN11024KK	Kit for sliding gates up to 1100 kg, 24 Vdc motor, control unit 14A with slowdown, electric limit switches. Intensive use	14,9 kg	36
 KSUN5024TW	Pair of motors for opposed sliding gates up to 500 Kg, 24 Vdc, control unit 14A with slow down function and electric limit switch. Residential use	22,4 kg	18

KIT COMPONENTS

	 SUN	ECLIPSE	RX4K	FT33/FT23	SUB44WR	SUB44R	KUBE
KSUN5024EK	• 1 PC	•	•	• FT33	• 1 PC	•	•
KSUN5024KK	• 1 PC	•	•	• FT23	•	• 1 PC	•
KSUN5024FEK	• 1 PC	•	•	• FT33	• 1 PC	•	•
KSUN5024FKK	• 1 PC	•	•	• FT23	•	• 1 PC	•
KSUN7024EK	• 1 PC	•	•	• FT33	• 1 PC	•	•
KSUN7024KK	• 1 PC	•	•	• FT23	•	• 1 PC	•
KSUN11024EK	• 1 PC	•	•	• FT33	• 1 PC	•	•
KSUN11024KK	• 1 PC	•	•	• FT23	•	• 1 PC	•
KSUN5024TW	• 2 PCS						

MODELS SENZA NIGHT LIGHT SYSTEM

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 KSUN5324ES	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit CT10324 with an integrated receiver and slowdown, electric limit switch	13 kg	36
 KSUN5324KS	Kit for sliding gates up to 500 kg, 24 Vdc motor, control unit CT10324 with an integrated receiver and slowdown, electric limit switch	12,8 kg	36
 KSUN7324ES	Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit CT10324 with an integrated receiver and slowdown, electric limit switch	14,1 kg	36
 KSUN7324KS	Kit for sliding gates up to 700 kg, 24 Vdc motor, control unit CT10324 with an integrated receiver and slowdown, electric limit switch	13,9 kg	36

KIT COMPONENTS

	 SUN	LUMY	RX4K	FT33/FT23	SUB44WR	SUB44R
KSUN5324ES	• 1 PC	•	INTEGRATED	• FT33	• 2 PCS	•
KSUN5324KS	• 1 PC	•	INTEGRATED	• FT23	•	• 2 PCS
KSUN7324ES	• 1 PC	•	INTEGRATED	• FT33	• 2 PCS	•
KSUN7324KS	• 1 PC	•	INTEGRATED	• FT23	•	• 2 PCS

TURBO S

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



NEW

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

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

MODELS

CODE	DESCRIPTION	PCS PALLET
 TUS4324 	 For sliding gates up to 400 kg, 24 Vdc motor with electric limit switches, CT10324 control unit. Residential use	36
 TUS7324 	 For sliding gates up to 700 kg, 24 Vdc motor with electric limit switches, CT10324 control unit. Intensive use	36
 TUS11324 	 For sliding gates up to 1100 kg, 24 Vdc motor with electric limit switches, CT10324 control unit. Intensive use	36



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



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



Control unit CT10324 with integrated receiver programmable with KUBEPRO



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

* The brands mentioned are not owned by KEY AUTOMATION

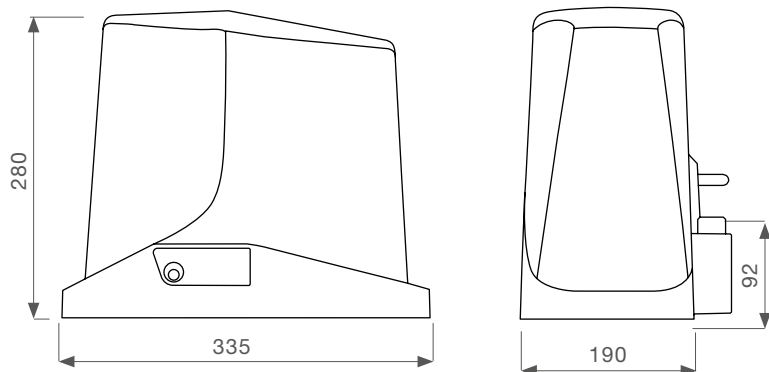
TECHNICAL DATA

		TUS4324	TUS7324	TUS11324
MECHANICAL DATA				
speed*	cm/s	24	25	20
torque	Nm	12	26	38
cycles/hour **		40	40	50
ELECTRICAL DATA				
control unit		CT10324	CT10324	CT102B
automation power supply	Vac	230	230	230
frequency	Hz	50/60	50/60	50/60
motor power supply	Vdc	24	24	24
consumption	A	1,1	1,5	1,3
absorbed power	W	250	500	300
GENERIC DATA				
protection degree	IP		44	
dimensions (L - D - H)	mm		335 - 190 - 280	
weight	kg	7	8,5	8,8
working temperature	°C	-20 + 55	-20 + 55	-20 + 55
gate maximum weight	kg	400	700	1100

* Variable data according to gate weight

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

DIMENSIONS



ACCESSORIES

 <p>RN800 ** M4 nylon rack L=1000 mm for gates up to 800 kg</p> <p>€/m</p>	 <p>CREM-8 *** M4 zinc coated rack 30x8 mm L=1000 mm</p> <p>€/m</p>	 <p>CREM-12 *** M4 zinc coated rack 30x12 mm L=1000 mm</p> <p>€/m</p>	 <p>FIMAT Magnetic limit switch conversion kit</p> <p>PC 1</p>
 <p>RX4K 4-channel plug-in receiver, 433MHz, for CT202 control unit</p> <p>PC 1</p>	 <p>KUBEPRO Wireless programming module</p> <p>PC 1</p>	 <p>KUBE Module for automation control from smartphone</p> <p>PC 1</p>	 <p>KBPN Kit of 1.3 Ah NiMH battery and battery charger</p> <p>PC 1</p>
 <p>STAF097A00 Bracket kit for backward compatibility TURBO S on Faac® 746</p> <p>PCS 2</p>			

* The brands mentioned are not owned by KEY AUTOMATION
** Pack of 10 pcs
*** Pack of 4 pcs

TURBO S KIT

FOR SLIDING GATES UP TO 1100 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

Available also in a 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 KUBEPRO wireless module

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
KTUS4324ES	Kit for sliding gates up to 400 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Residential use	11,1 kg	36
KTUS4324KS	Kit for sliding gates up to 400 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Residential use	10,6 kg	36
KTUS7324ES	Kit for sliding gates up to 700 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use	12,9 kg	36
KTUS7324KS	Kit for sliding gates up to 700 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use	12,7 kg	36
KTUS11324ES	Kit for sliding gates up to 1100 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use	12,9 kg	36
KTUS11324KS	Kit for sliding gates up to 1100 kg, 24 Vdc motor with electric limit switches, CT10324 control unit with an integrated receiver. Intensive use	12,7 kg	36

* The brands mentioned are not owned by KEY AUTOMATION

KIT COMPONENTS 24 Vdc

						
	TURBO	LUMY	RX4K	FT33/FT23	SUB44WR	SUB44R
CT10324						
KTUS4324ES	• 1 PC	•	INTEGRATED	• FT33	• 2 PCS	
KTUS4324KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUS7324ES	• 1 PC	•	INTEGRATED	• FT33	• 2 PCS	
KTUS7324KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS
KTUS11324ES	• 1 PC	•	INTEGRATED	• FT33	• 2 PCS	
KTUS11324KS	• 1 PC		INTEGRATED	• FT23		• 2 PCS



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

With 230 Vac CT102B control unit with integrated display

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
TUS62	For sliding gates up to 600 kg, 230 Vac motor, control unit with slowdown and electric limit switches. Residential use	36
TUS92	For sliding gates up to 900 kg, 230 Vac motor, control unit with slowdown and electric limit switches. Residential use	36
TUS122	For sliding gates up to 1200 kg, 230 Vac motor, control unit with slowdown and electric limit switches. Residential use	36
TUS162	For sliding gates up to 1600 kg, 230 Vac motor, control unit with slowdown and electric limit switches. Residential 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

* The brands mentioned are not owned by KEY AUTOMATION

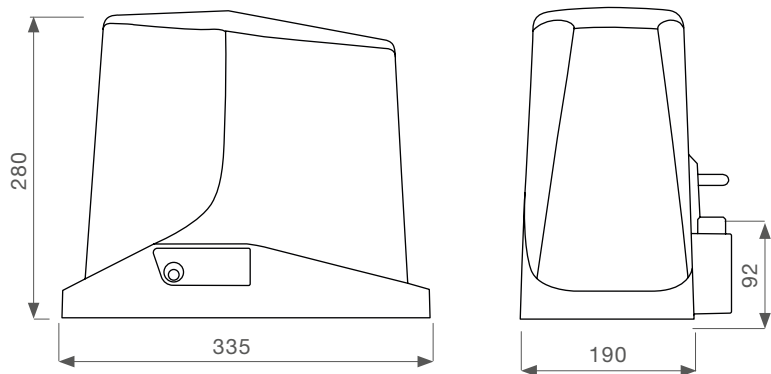
TECHNICAL DATA

		TUS62	TUS92	TUS122	TUS162
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		CT102B	CT102B	CT102B	CT102B
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 leaf 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	 CREM-8 *** M4 zinc coated rack 30x8 mm L=1000 mm	 CREM-12 *** M4 zinc coated rack 30x12 mm L=1000 mm	 NEW FIMAT Magnetic limit switch conversion kit
€/m	€/m	€/m	PC 1
 RX4K 4-channel plug-in receiver, 433MHz, for CT102 control unit	 NEW STAF097A00 Bracket kit for backward compatibility Turbo S on Faac* 746		
PC 1	PCS 2		

* The brands mentioned are not owned by KEY AUTOMATION
 ** Pack of 10 pcs
 *** Pack of 4 pcs

TURBO S KIT

FOR SLIDING GATES UP TO 1600KG, 230 Vac



PLUS

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

With 230 Vac CT102B control unit with integrated display

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

Electric limit switches

Robust and high-performance motors

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

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	WEIGHT	PCS PALLET
KTUS62ES	Kit for automating sliding gates up to 600 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	12,9 kg	36
KTUS62KS	Kit for automating sliding gates up to 600 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	12,7 kg	36
KTUS92ES	Kit for automating sliding gates up to 900 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	13,6 kg	36
KTUS92KS	Kit for automating sliding gates up to 900 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	13,3 kg	36
KTUS122ES	Kit for automating sliding gates up to 1200 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	12,9 kg	36
KTUS122KS	Kit for automating sliding gates up to 1200 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	12,7 kg	36
KTUS162ES	Kit for automating sliding gates up to 1600 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	13,6 kg	36
KTUS162KS	Kit for automating sliding gates up to 1600 kg, 230 Vac motor, CT102B control unit with slowdown and electric limit switches. Residential use	13,3 kg	36

* The brands mentioned are not owned by KEY AUTOMATION

KIT COMPONENTS 230 Vac

						
	TURBO	LUMY	RX4K	FT33/FT23	SUB44WR	SUB44R
CT102B						
KTUS62ES	• 1 PC	•	•	• FT33	• 2 PCS	
KTUS62KS	• 1 PC		•	• FT23		• 2 PCS
KTUS92ES	• 1 PC	•	•	• FT33	• 2 PCS	
KTUS92KS	• 1 PC		•	• FT23		• 2 PCS
KTUS122ES	• 1 PC	•	•	• FT33	• 2 PCS	
KTUS122KS	• 1 PC		•	• FT23		• 2 PCS
KTUS162ES	• 1 PC	•	•	• FT33	• 2 PCS	
KTUS162KS	• 1 PC		•	• 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

HA8

24 Vdc, intensive use, up to 19 m²

HA12

BLINDO

GEAR MOTOR FOR SPRING OR COUNTERWEIGHT
OVERHEAD DOORS UP TO 9 M²

230 Vac, residential use

BS-50

230 Vac, residential use

BS52

24 Vdc, intensive use

BS5324

RESIDENTIAL 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 KUBE "IoT" platform:
Programming via two keys or with KUBEPRO receiver or with DYL wired programmer

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

Editing of parameters remotely (with KUBE)

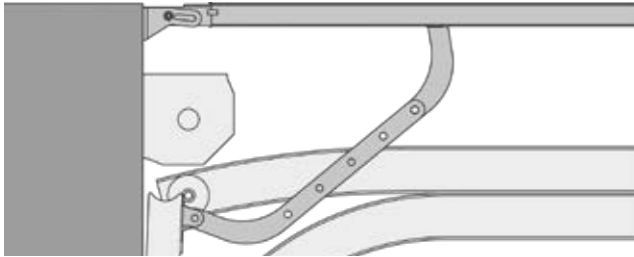
Door opening via smartphone (with KUBE)

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

Built-in radio receiver

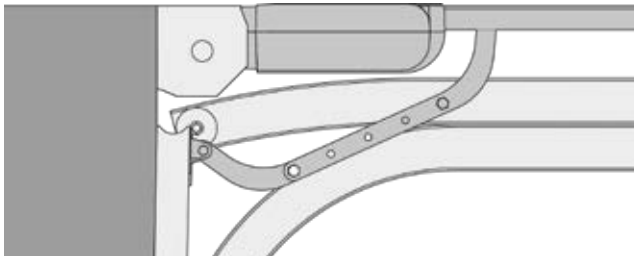
Electronics covered by accidental damage

INSTALLATION MODES



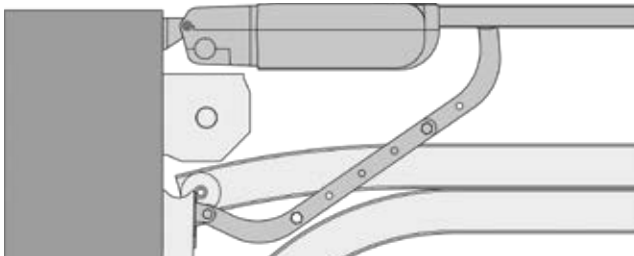
CLASSIC INSTALLATION

With head in the center of the garage



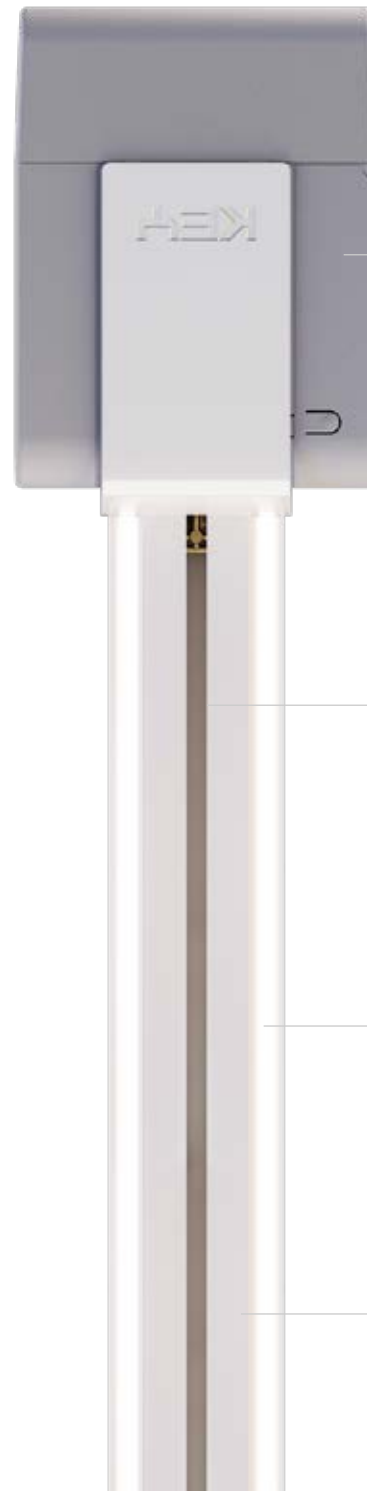
SPRING SHAFT INSTALLATION

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



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

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



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 KUBEPRO receiver or with DYL cabled display

Door opening via smartphone (with KUBE)

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

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

MODELS

CODE	DESCRIPTION	PCS PALLET
HA8	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
HA12	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

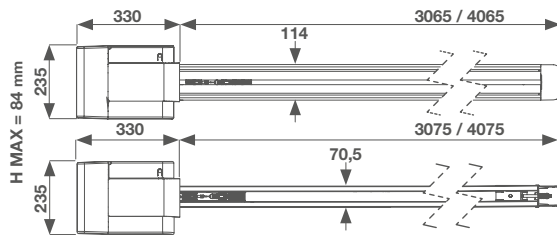
		HA8	HA12
MECHANICAL DATA			
speed	cm/s	15	15
force	N	800	1200
cycles/hour*		20	20
ELECTRICAL DATA			
voltage	Vac	230 (±10%) 50Hz	230 (±10%) 50Hz
flashing	W	3 max	3 max
courtesy light on rail with integrated LEDs	W	-	40 max
accessories power output	mA	100 (24 Vdc non regolati)	
max no. of transmitters 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	m ²	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
HA8 with 3 m rail		HA12 with 3 m rail	
S max=11m ² - H max = 2,6m	S max=10m ² - H max = 3m	S max=16m ² - H max = 2,6m	S max=16m ² - H max = 3m
HA8 with 4 m rail		HA12 with 4 m rail	
S max=12m ² - H max = 3,6m	S max=11m ² - H max = 3,4m	S max=19m ² - H max = 3,6m	S max=17m ² - H max = 3,4m


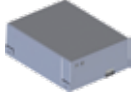














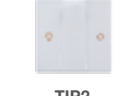
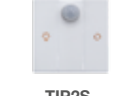
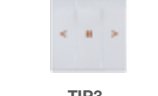
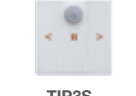



DIMENSIONS



COMPATIBILITY HEAD - RAIL

	HA8	HA12
RAB31	X	X
RAB2X2P	X	X
RAB3X1P	X	X
RAB41		X
RAB61		X
RAL31	X	X
RAL41		X

ACCESSORIES

 KBPN Kit of 1.3 Ah NiMH battery and battery charger	 KBP Kit of 1.3 Ah lead battery and battery charger	 HAL2 Swinging arm for counterweight overhead doors	 HAL7 Motor support bracket for HAL2 L=1400 mm. For up and over doors
PC 1	PC 1	PC 1	PC 1
 HAL1S Kit for external unlock with key and metal cord for insulated overhead doors	 HAL6 Ceiling support bracket for LED rails RAL31 and RAL41	 SBLST Kit for external unlock with key and metal cord for uninsulated overhead doors	 HAL3 Kit supplementary fixing ceiling rail (for steel rail)
PC 1	PC 1	PC 1	PC 1
 HAL4 Kit 2 supplementary fixing clamps	 HAL5 Kit supplementary fixing ceiling rail (for LED rail)	 SBC06 External unlocking system L=6200mm	 550CABL045A00* Special cable for Eclipse flash light RG174 50 Ohm + 4 x 0,50 mm ² (100m)
PC 1	PC 1	PC 1	PC 1
 520STAF029A00 Fixing clamp	 TIPS Light and presence sensors	 TIP1 Touch transmitter, 1 channel, IP65	 TIP1S Touch transmitter, 1 channel, with light and presence sensors
PC 1	PC 1	PC 1	PC 1
 TIP2 Touch transmitter, 2 channels, IP65	 TIP2S Touch transmitter, 2 channels, with light and presence sensors	 TIP3 Touch transmitter, 3 channels, IP65	 TIP3S Touch transmitter, 3 channels, with light and presence sensors
PC 1	PC 1	PC 1	PC 1
 DYL Programming module Cable length 120 cm (only 14A board)	 KUBEPRO Wireless module for programming	 KUBE Module for automation control from smartphone	
PC 1	PC 1	PC 1	

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

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 KUBEPRO wireless module

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
 HA8SS	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
 HA12SS	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
 HA8PP	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
 HA12PP	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

HA8SS	• 1 PC	• 2 PCS	
HA12SS	• 1 PC	• 2 PCS	
HA8PP	• 1 PC		• 2 PCS
HA12PP	• 1 PC		• 2 PCS





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

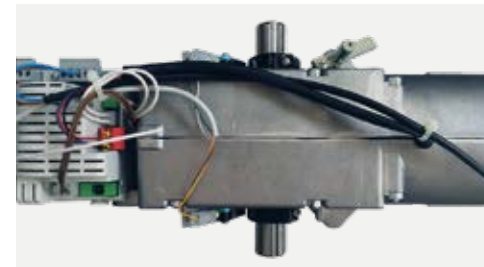
With 230 Vac CT102B control unit with integrated display

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

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

MODELS

CODE	DESCRIPTION	PCS PALLET
BS-50	For spring or counterweight overhead doors up to 9 m ² , 230 Vac motor, without control unit. With internal release system and preset for unlocking from outside. Residential use	40
BS52	For spring or counterweight overhead doors up to 9 m ² , 230 Vac motor, control unit and slowdown, with limit switches. With internal release system and preset for unlocking from outside. Residential use	40
 BS5324 	For spring or counterweight overhead doors up to 9 m ² , 24 Vdc motor, control unit, with encoder and slowdown. With release system and preset for unlocking from outside. Intensive use	40



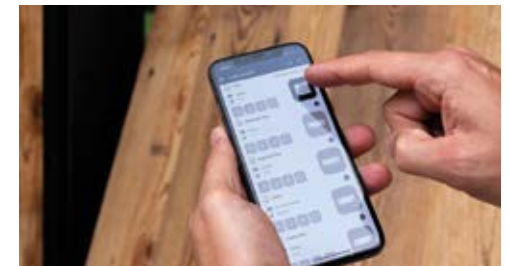
High precision limit switches



Gearbox with metal gears



New control unit CT10324 with integrated receiver programmable with KUBEPRO

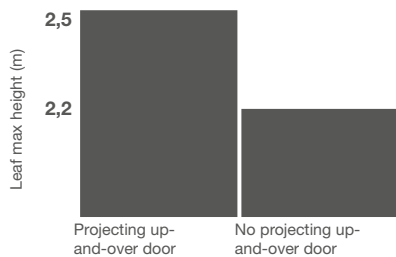


KUBE and KUBEPRO

TECHNICAL DATA

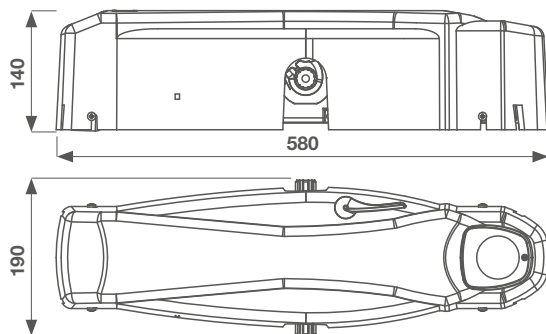
		BS-50	BS52	BS5324
MECHANICAL DATA				
torque	Nm	440	440	350
cycles/hour		30	30	80
ELECTRICAL DATA				
control unit		-	CT102B	CT10324
voltage	Vac	230	230	230
consumption	A	1,8	1,8	1,3
absorbed power	W	400	400	300
capacitor	μF	12,5	12,5	-
thermoprotection	°C	150	150	-
integrated lights		yes	yes	yes
GENERIC DATA				
protection degree	IP	43	43	43
dimensions (L - D - H)	mm	580 - 190 - 140	580 - 190 - 140	580 - 190 - 140
weight	kg	9,4	10,5	9,8
working temperature	°C	-20 + 55	-20 + 55	-20 + 55
door maximum dimensions	m ²	9	9	9

LIMIT USE




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

DIMENSIONS



ACCESSORIES

 BC Standard curved telescopic arm PC 1	 BD Standard straight telescopic arm PC 1	 BDNS 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	 TZ-1500 Pair of transmission arms, length 1500 mm, with supports PC 1	 TZ-2000 Pair of transmission arms, length 2000 mm, with supports PC 1	 KUBEPRO Wireless programming module PC 1
 KUBE Module for automation control from smartphone 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 KUBEPRO wireless module

MODELS

CODE	DESCRIPTION	WEIGHT	PCS PALLET
KBS52JS	Kit for spring and counterweight overhead doors up to 9 m ² , 230 Vac motor, control unit with slowdown function (with control unit CT102B) Residential use	10,6 kg	16
 KBS5324JS	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
BSF1	Motor support bracket kit + pair of transmission shafts L= 1500 mm + pair of straight telescopic arms	26 kg	16

KIT COMPONENTS

						
	BLINDO	RX4K	SUB44WR	BDNS	ST2000	TZ-1500
KBS52JS	•	•	• 2 PCS	• 2 PCS	•	•
KBS5324JS	•	INTEGRATED	• 2 PCS	• 2 PCS	•	•
BSF1				• 2 PCS	•	•





KEY INDUSTRY

INDUSTRIAL AND COMMERCIAL SOLUTIONS

SYSTEMS FOR SWING GATES

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SYSTEMS FOR SLIDING GATES

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SELECTION GUIDE

SYSTEMS FOR SWING GATES

STAR 500

GEAR MOTOR FOR LEAVES UP TO 5 m

230 Vac, residential use

PS-400FA

24 Vdc, intensive use

PS400-24FA

RESIDENTIAL 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



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 CT202

Compatible with 24 Vdc control unit 14AB2

Mechanical parts well protected from weather conditions

MODELS

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



Robust bronze lock nut on endless screw



Easy mechanical release



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

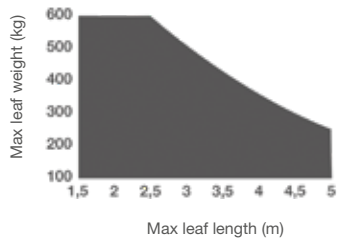


Full-metal reduction

TECHNICAL DATA

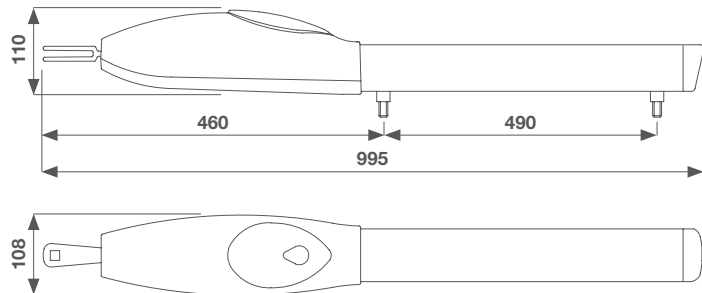
		PS-400FA	PS400-24FA
MECHANICAL DATA			
speed	cm/s	1,4	2,7
pulling force	N	1800	1400
cycles/hour		15	80
opening time at 90°	sec	35	25-35
ELECTRICAL DATA			
control unit		CT202	14AB2
voltage	Vac	230	-
	Vdc	-	24
consumption	A	1,1	5
absorbed power	W	250	120
capacitor	µF	10	-
thermoprotection	°C	150	-
GENERIC 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



ELC-C
Horizontal 12 V electrolock



FC-PS
Mechanical closing stop



STPOAVS
Rear welded bracket



STANAV
Front welded bracket

PC 1



14AB2
Control unit in box for two 24 Vdc motors

PC 1



CT202
Control unit in box for two 230 Vac motors

PC 1



DYL
Programming module
Cable length
120 cm (for 14A board)

PC 1



KUBEPRO
Wireless module for programming (only 24 Vdc)

PC 1



KUBE
Module for automation control from smartphone

PC 1



RX4K
4-channel plug-in receiver, 433MHz, for CT202 control unit

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

FASTLINE **ST12024FI**

24 Vdc, intensive use, up to 1200 kg

FASTLINE **STO12024F**

STORM

GEAR MOTOR FOR GATES UP TO 2000 kg

24 Vdc, intensive use, up to 2000 kg

STO20324

TURBO 400

GEAR MOTOR FOR GATES UP TO 4000 Kg

400 Vac, residential use, up to 4000 kg

SC400M

RESIDENTIAL 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



NEW

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 KUBEPRO, KUBE 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)

Provision on the body for installing FT43 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

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

MODELS

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



New dedicated control unit MA24ISL



7Ah buffer batteries (optional)



Air extraction fan for 100% intensity of use



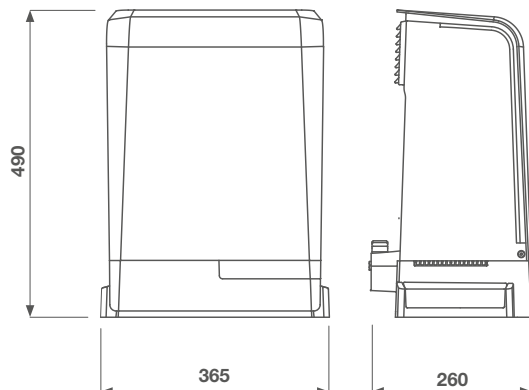
Provision for installing photocells FT43 at a height of 50 cm

TECHNICAL DATA













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

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

DIMENSIONS



ACCESSORIES

			
PC 1	€/m	€/m	PC 1
			
PC 1	PC 1	PC 1	PC 1
			
PC 1	PC 1	PC 1	PC 1

* pack of 4 pcs
** pack of 2 pcs

STORM

ELECTROMECHANICAL GEAR MOTOR FOR SLIDING GATES FOR INTENSIVE USE UP TO 2000 kg, 24 Vdc



NEW

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 KUBEPRO 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

Provision on the body for installing FT43 photo-cells at a height of 50 cm

Magnetic limit switches

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

MODELS

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



New control unit CT10324I with integrated receiver programmable with KUBEPRO



2Ah buffer batteries (optional)



Large internal spaces



Provision on the body for installing FT43 photo-cells 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

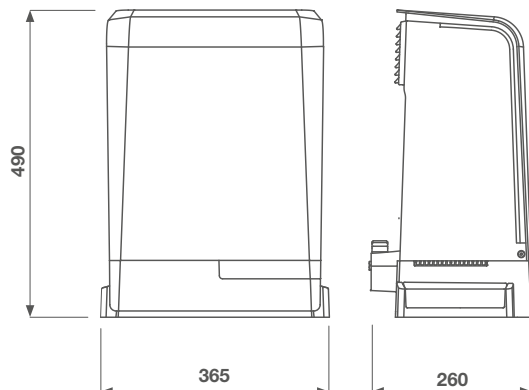
control unit		CT10324I
automation power supply	Vac	230
frequency	Hz	50/60
motor power supply	Vdc	24
mains absorption	A	2,5
absorbed power	W	450
transformer heat protection	°C	110

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 leaf 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

PC 1



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

€/m



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

€/m



STO1
Metallic protection cage

PC 1



KBP
Battery backup kit

PC 1



KUBEPRO
Wireless module for
programming (only 24 Vdc)

PC 1



KUBE
Module for automation control
from smartphone

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

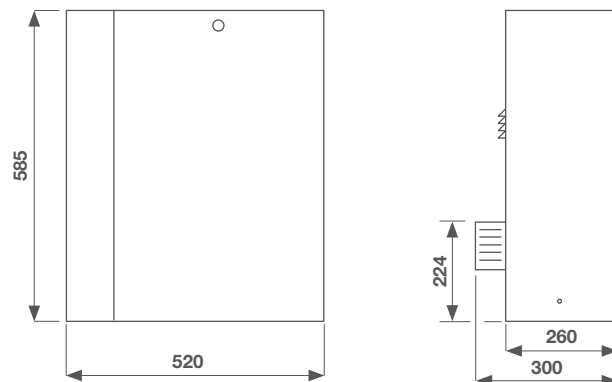
€/m



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



NEW
PROGRAMMABLE
WITH
SMARTPHONE

PLUS

- For intensive use, for private and public solutions
- Encoder for obstacle detection and immediate run inversion
- Double built-in flashing light, two-coloured green/red
- Robust gears and levers for reliable functioning over time
- Double spring (6 m model) to counter balance movement and make it more fluent
- Energy saving mode
- Universal box: boom arm can be installed both right or left
- Integrated receiver
- Possibility to set different speed in opening and closing motion
- Anti-UV rays epoxy power coating
- With 24 Vdc CT10324 control unit with integrated display
- Available also in a Low Energy version, with reduced stand-by current consumption
- Optional programming feature with the KUBEPRO wireless module (available from FW version 2.0)

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 KUBEPRO



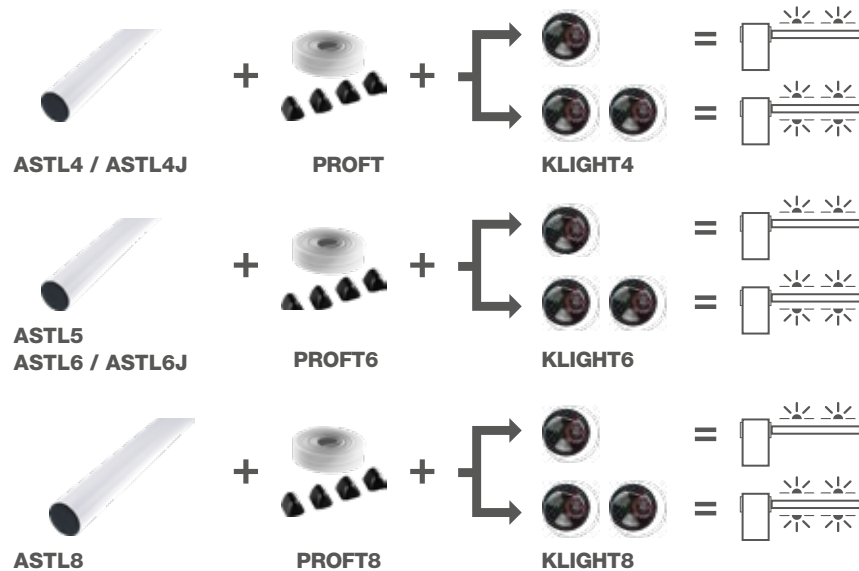
5m boom arm for ALT4K

TECHNICAL DATA

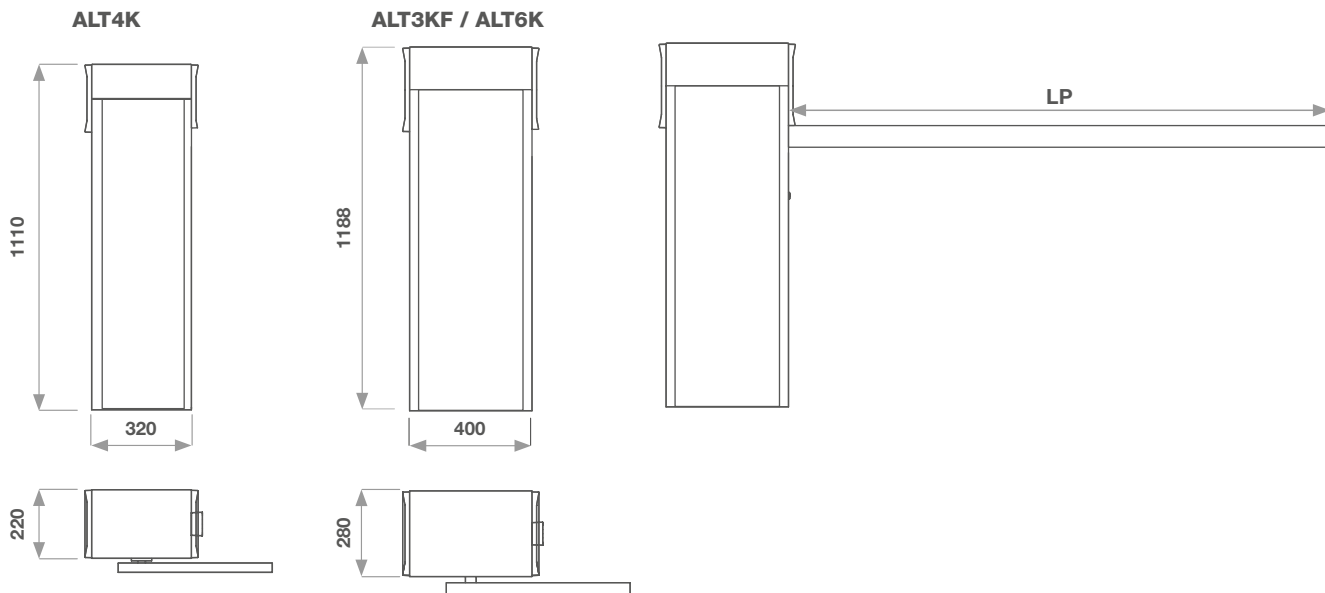
		ALT3KF	ALT4K	ALT6K
MECHANICAL DATA				
torque	Nm	40	200	305
cycles/hour		500	410	240/120
opening time at 90° ***	sec	1***	3,5***	6/12*
ELECTRICAL DATA				
control unit		CT10324F	CT10324	CT10324
alimentazione automazione	Vac	230	230	230
frequenza	Hz	50/60	50/60	50/60
alimentazione motore	Vdc	24	24	24
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 ASLT5
 *** without accessories

HOW TO CHOOSE THE LED LIGHT SYSTEM FOR BARRIERS



DIMENSIONS



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



KLIGHT4
Led lights for 4 m bar

PC 1



KLIGHT6
Led lights for 5 and 6 m bar

PC 1



KLIGHT8
Led lights for 8 m bar

PC 1



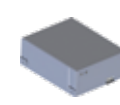
LOOP2
Magnetic sensor, one coil, one
outputs

PC 1



SKIRT2
Kit fence, length
1,7 m

PC 1



KBP
Battery back-up kit

PC 1



KITFIXBATT
24 Vdc Fixing Brackets for
Batteries Kit

PC 1



TWIN
Interface for
master/slave function

PC 1



AD
Red Reflective Adhesive
Strips. 10-Piece Kit.

PCS 10



KUBEPRO
Wireless module for
programming

PC 1



KUBE
Module for automation control
from smartphone

PC 1



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

PC 1

* for ASTL5 the combining of PROFT6, KLIGHT6 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

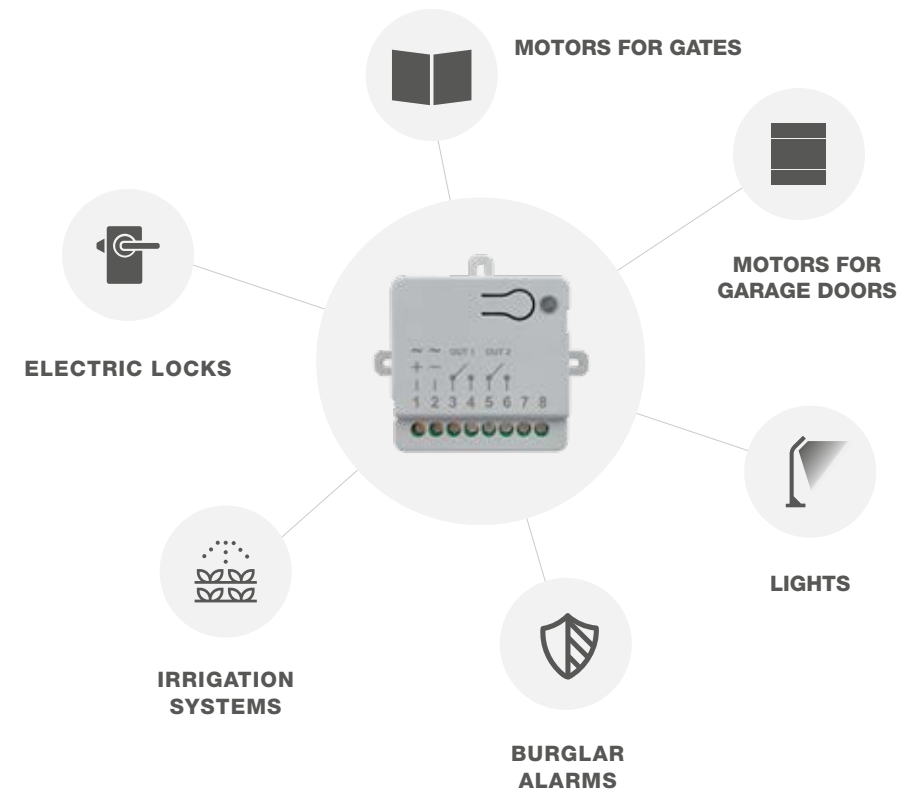


Access control with and without time limits

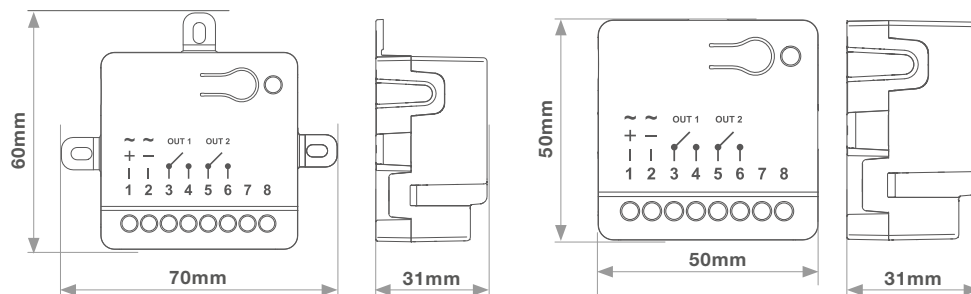
TECHNICAL DATA

	KUBEU	
power supply	Vac	12-24
	Hz	50/60
	Vdc	12-35
maximum power	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



With fixing tabs

Without fixing tabs

KUBE SMART / KUBE / KUBEPRO



MODULE FOR PROGRAMMING AND CONTROL VIA SMARTPHONE

NEW



KUBESMART

PLUS KUBE SMART

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

Bluetooth 5.0 (LE) 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, 14A, MA24ISL and HALO making it a flexible choice that can be easily integrated into different context

For even more extensive and stable Wi-Fi coverage, an optional external antenna can be added, further improving signal reception performance

MODELS

CODE	DESCRIPTION
KUBESMART	New Bluetooth/Wi-Fi module compatible with CT10324, CT20324, CT10324I, 14A, MA24ISL and HALO



KUBEPRO



KUBE

PLUS KUBE

App dedicated to the professional installer and the end customer via smartphone

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

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

Synchronisation of the automation status with the

Cloud and the installer's KUBEPRO app

Compatible with the 14A control unit from FW version 3.0, HALO and with the CT10324 - CT20324 control units from FW version 2.0

Bluetooth 4.2 LE wireless technology

Quick and easy configuration

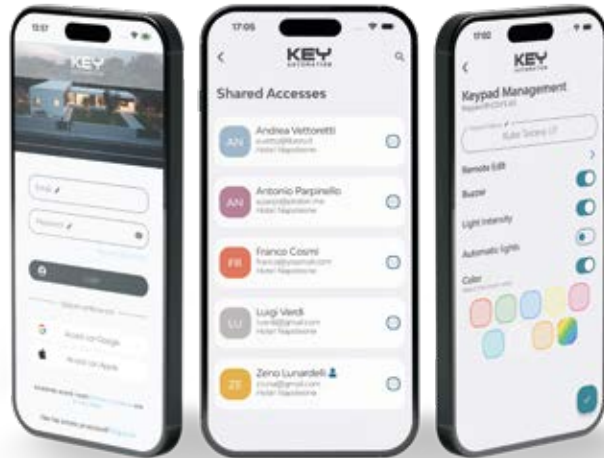
Native apps for Android 5.0/iOS 9.3.5 or higher with multilingual support

MODELS

CODE	DESCRIPTION
KUBEPRO / KUBE	Module for controlling the automation via smartphone, for 14A, HALO, CT10324 and CT20324

APP SMART

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



THE ALL-IN-ONE SOLUTION: A SINGLE APP FOR INSTALLERS AND END USERS



Available on the App Store or Google Play Store

SUB

WATER RESISTANT 4 CHANNELS TRANSMITTER, 433 MHz AND 868 MHz



PLUS

Water and dust resistant

Ergonomic, simple and modern design

Valuable materials and tidy details thanks to the new generation tri-injection molding process

Metal chromed insert

Different interchangeable colors

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

ILSUB

ACCESSORIES



KRING
Kit of 10 Key Rings

PC 1

DID YOU KNOW?

There are 3 families of SUB transmitters

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



TIPS



TIP1



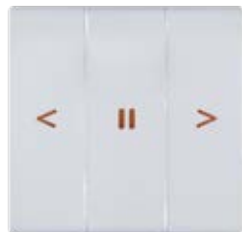
TIP1S



TIP2



TIP2S



TIP3



TIP3S

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 TIP1, TIP2 and TIP3)

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
TIPS	Light and presence sensors
TIP1	1 channel, IP65
TIP1S	1 channel with light and presence sensors
TIP2	2 channels, IP65
TIP2S	2 channels with light and presence sensors
TIP3	3 channels, IP65
TIP3S	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

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



NEW

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
output behaviour (bistable only output two)	Bistable or timed	

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 × 396 × 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

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
LUMY-24	24 Vdc flashing light, 25 W, with antenna
LUMY-230	230 Vac flashing light, 25 W, with antenna and internal board for flashing light control
LUMY-230E	230 Vac flashing light, 25 W, with antenna

ACCESSORIES



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

PC 1



SULU
Support for LUMY

PC 1

SEKUR FT

PHOTOCELLS



FT33



FT23



FT43
FT43B



FT43PB

NEW

PLUS

New photocells FT43PB with PowerBUS technology:

2-wire connection thanks to the BUS on Powerline

Dip-Switch for selecting operation

Configurable via smartphone

Snow function: photocell activates an adaptatively temporized mode, in case of frequent dimming or darkening, to avoid false obstacles detection

Two programmable ranges

MODELS

CODE	DESCRIPTION
FT33	Pair of photocells for external use and flush mounting
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

		FT33	FT23	FT43	FT43B	FT43B
ELECTRICAL DATA						
voltage	Vac	10-30	10-30	10-30	10-30	10-30
	Vdc	10-40	10-40	10-40	10-40	10-40
range	m	25	25	25	20	25
consumption rx	mA	27	27	27	35	20
consumption tx	mA	10	10	10	0,04	20
relay contacts max supply	A	1	1	1	1	-
GENERIC DATA						
protection degree	IP	54	54	54	54	54
dimensions (L - P - H)	mm	80-33-88	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

ACCESSORIES



MUR-P
Plastic wall
support for FT33

PC 1



PBI
PowerBUS Interface for
control units CT10324/20324

PC 1



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)

Database access management via app and cloud server: ideal for B&Bs, gyms, small garages (EGKTB2)

Generation of access codes directly from the keypad, with expiration by date/time and by number of accesses (for EGKTB2 only)

PLUS EGKTR1 and 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

Hand-brushed and painted metal bottom (only for EGKTR1)

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)
EGKTR1	Touch keyboard via radio (Rolling Code) with all-metal base
EGKTR2	Touch keyboard via radio (Rolling Code) with plastic base
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

PC 1



SUPP022A00
Flush-mounted back plastic cover
Only for egk models

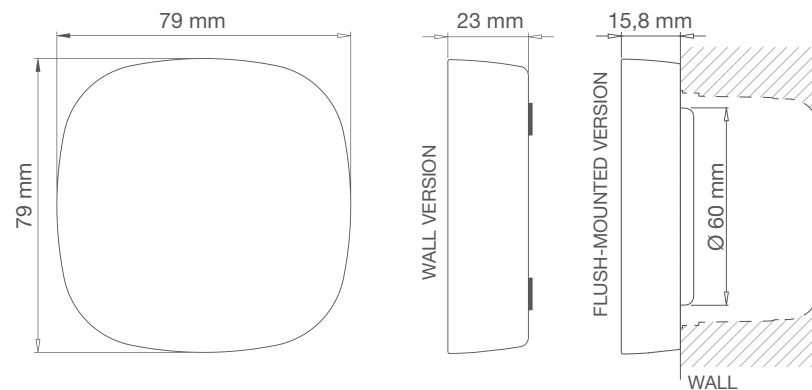
PC 1



PBI
PowerBUS Interface for control units CT10324/20324

PC 1

DIMENSIONS



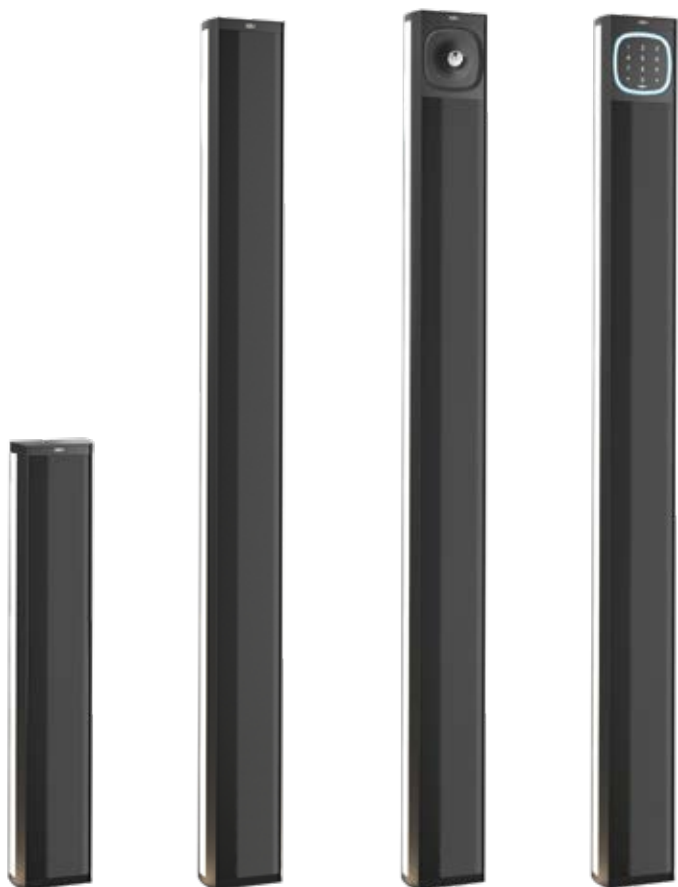
TECHNICAL DATA		EGKTB1	EGKTB2	EGKTR1/EGKTR2	EGKD2	EGKD3	EGKD4
voltage	Vac	BUS	BUS	2 x batteries AAA 3 V	BUS / 10-24	BUS / 10-24	BUS / 10-24
	Vdc	BUS	BUS		BUS / 12-35	BUS / 12-35	BUS / 12-35
absorbed power	Typical	0,25 W	0,35 W	st-by 60 μ W	0,2 W	0,2 W	0,2 W
	Max	1,5 W	0,7 W	150 mW	1,5 W	1,5 W	1,5 W
radio frequency	MHz	-	-	433.920	-	-	433.920
n° of outputs		-	-	-	2	2	2
maximum cable length	m	50 m with 2x0,35 mm ² cable			50 m with 2x0,35 mm ² 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	-	-	-





1	2	3
4	5	6
7	8	9
A	0	V
msv		

COLUMNS FOR PHOTOCELLS AND SELECTORS



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

PC 1



ST1
Tip for soil fixing

PC 1



VIP2
LED light control unit
up to 30 W

PC 1



QUADRO
Night sensor

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



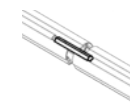
ANG
Pair of junction
corners left/right

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

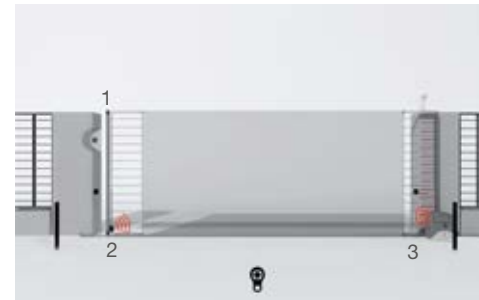
2 years battery lifetime (5 years with power saving mode)

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

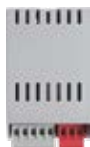


14A

24 VDC CONTROL UNIT



24 Vdc 10A power module (PO24)



Display module (DYL)



Logic mainboard (MA24)



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



4 channels plug-in receiver (RX4K)



Wireless module (KUBEPRO and KUBE)



DYL display or the KUBEPRO 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
14AB2 *	Control unit in box for two 24 Vdc motors (without DYL and without receiver RX4K) with transformer 250 VA
14AB2F	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
MA24	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



KUBESMART
Bluetooth/Wi-Fi module

PC 1



RX4K
4 channels plug-in
receiver, 433MHz

PC 1



QUADRO
Night sensor

PC 1



KUBEPRO
Wireless module for pro-
gramming

PC 1



ECLIPSE
Full LED flashing and courtesy
light

PC 1



KUBE
Module for automation control
from smartphone

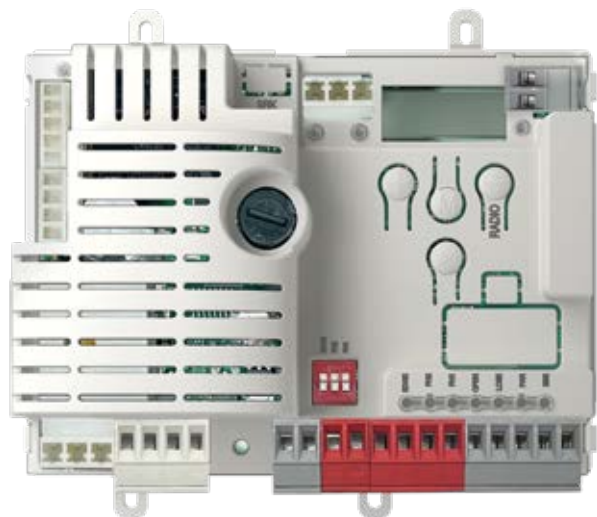
PC 1

		14AB2	14AB2F
ELECTRICAL DATA			
input power	Vac/Hz	230/50	230/50
output power accessories	Vdc	24	24
max motor power	W	300	300
max working time	sec	240	240
max pause time	sec	900	900
obstacle detection		yes	yes
GENERIC DATA			
protection degree	IP	54	54
dimensions (L - D - H)	mm	222 - 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 KUBEPRO 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

Designed for future installation of a stand-by energy saving module (2025)

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 deceleration on opening and closing. Built-in radio receiver

ACCESSORIES



KUBESMART
Bluetooth/Wi-Fi module

PC 1



KUBEPRO
Wireless module for programming

PC 1



KUBE
Module for automation control from smartphone

PC 1



PBI
PowerBUS Interface for control units CT10324/20324

PC 1

CT10324

ELECTRICAL DATA

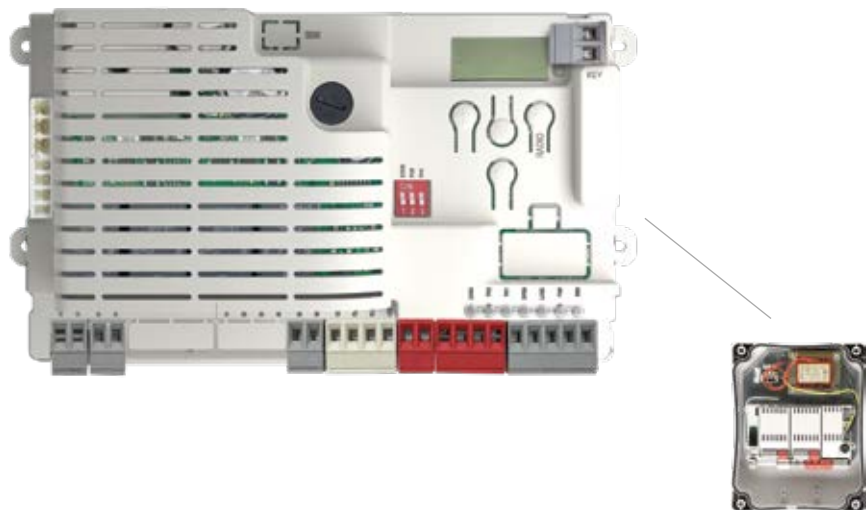
input power	Vac/Hz	230/60
output power accessories	Vac	24
	Vdc	24
max motor power	W	150
max working time	sec	240
max pause time	sec	0 - 900
obstacle detection		si

GENERIC DATA

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

CT20324

24 VDC CONTROL UNIT FOR TWO MOTORS



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

MODELS

CODE	DESCRIPTION
CT20324	For two motors for swing gates, 24 Vdc, with self-learning of travel and deceleration on opening and closing. Built-in radio receiver. In box
CT20324E	For two motors with encoder for swing gate, 24 Vdc, with self-learning of travel and deceleration on opening and closing. Built-in radio receiver. In box

ACCESSORIES



KUBESMART
Bluetooth/Wi-Fi module

PC 1



KUBEPRO
Wireless module for programming

PC 1



KUBE
Module for automation control from smartphone

PC 1



PBI
PowerBUS Interface for control units CT10324/20324

PC 1

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 KUBEPRO 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 (CT20324E)

Disabling of safety via dip-switch

250W transformer included (CT20324E).

Designed for future installation of a stand-by energy saving module (2025)

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

		CT20324	CT20324E
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		si	si
encoder support		no	si
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

CT102B

230 Vac CONTROL UNIT



PLUS

Same programming logic for all control boards CT102B, CT202, CT10324, CT20324 with run inversion via software

Amperometric obstacle detection with run inversion

Standard or programmable slowdown in opening and closing

Programmable automatic partial closing

Separate OPEN - CLOSE inputs and PP - PARTIAL input

Safety edge 8,2Kohm NC - STOP - photo 1 and photo 2

Inputs and safety devices LED visualization

Flashing light output fixed or flashing

LED courtesy light or open gate indicator output

3 digits display

Optional photo test

Optional test for safety edge

New plug-in radio receiver 4 channels RX4K

MODELS

CODE	DESCRIPTION
CT102B	For one motor for sliding gate, overhead door, 230 Vac, with electronic clutch and connector for receiver, slowdown in opening and closing with provision for radio plug-in

CT102B

ELECTRICAL DATA		
input power	Vac/Hz	230/60
output power accessories	Vdc	24
max motor power	W	950
max working time	sec	adjustable
max pause time	sec	0 - 900
obstacle detection		yes
GENERIC DATA		
protection degree	IP	-
dimensions (L - D - H)	mm	120 - 90 - 30
working temperature	°C	-20 + 55

CT1RS

230 Vac CONTROL UNIT FOR ROLLING SHUTTER OR SLIDING GATE



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
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

CT202

230 Vac CONTROL UNIT



PLUS

Same programming logic for all control boards CT102B, CT202, CT10324, CT20324 with run inversion via software

Amperometric obstacle detection with run inversion

Standard or programmable slowdown in opening and closing

Programmable automatic partial closing

Separate OPEN - CLOSE inputs and PP - PARTIAL input

Safety edge 8,2Kohm NC - STOP - photo 1 and photo 2

Inputs and safety devices LED visualization

Flashing light output fixed or flashing

LED courtesy light or open gate indicator output

Programmable electro lock timing

Pressure control for hydraulic motors

3 digits display

Optional photo test

Optional test for safety edge

Plug-in radio receiver 4 channels RX4K

MODELS

CODE	DESCRIPTION
CT202	For two motors for swing gate, 230 Vac, with electronic clutch and connector for receiver, slowdown in opening and closing. In box

		CT202
ELECTRICAL DATA		
input power	Vac/Hz	230/50
output power accessories	Vac	24
	Vdc	24
max motor power	W	700+700
max working time	sec	adjustable
max pause time	sec	0 - 900
obstacle detection		si
GENERIC DATA		
protection degree	IP	54
dimensions (L - D - H)	mm	222 - 110 - 275
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 φ=1) resistive load	-
relay contacts max voltage	W	1100	-
transmission power	dBm	-	+5
GENERIC DATA			
protection degree	IP	20	20
dimensions (L - D - H)	mm	42 - 21 - 36	42 - 21 - 36
working temperature	°C	-20 + 55	-20 + 55

CT-400

400 Vac CONTROL UNIT



PLUS

For industrial motors

Suitable for intensive and long-lasting use

Compatible with the RXM23K receiver

Electronic obstacle detection with amperometric control

Equipped with internal brake and with function for external brake activation

Closing after transit function

Separate OPEN - STOP - CLOSE - PP - PARTIAL inputs

Programmable safety edge parameter

Open gate indicator output

Photo test function

Compatible both with monophasic 230 Vac or three-phase 400V/230 Vac motors

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
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

PC. 1



RXM23K
Universal receiver 2 channels, fix or rolling code

PC. 1



BOXKEY
Plastic box for two motors control unit

PC. 1



BOXKEYS
Plastic box for one motor control unit

PC. 1



BMET
Outdoor metal box for motor release

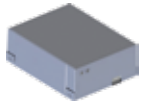
PC. 1



TS
Table signage

PC. 1

ACCESSORIES FOR 24 Vdc



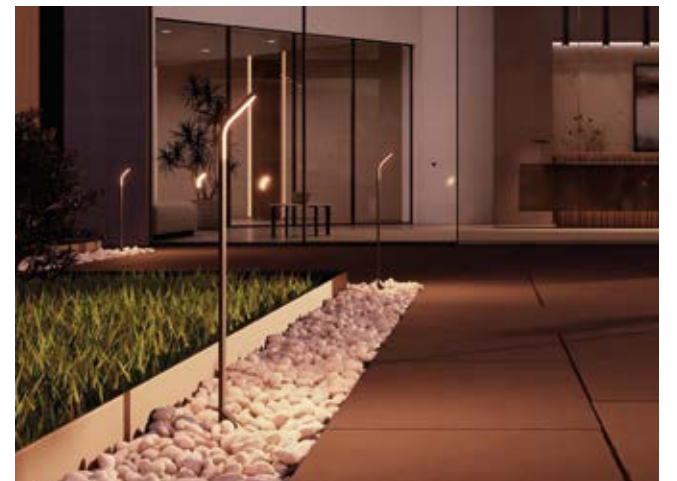
KBP
Battery back-up kit

PC. 1



KITFIXBATT
Fixing brackets for batteries 24 Vdc

PC. 1



KEY GARDEN

OUTDOOR AREAS SOLUTIONS

OUTDOOR LIGHTING SYSTEM

STICK S DOWN	132
STICK S UP	132
STICK M	132
FLAT	132
VERTICAL	133
TOWER	133
STELLA	133
EGO	133

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

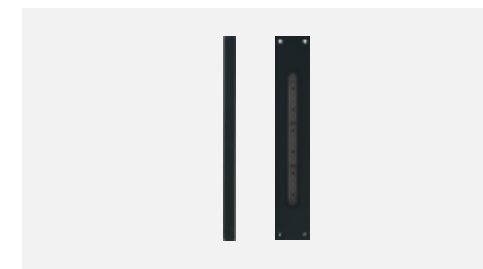


STIK M

Garden lights with height 75 cm with front light

Replaceable led

2 W



FLAT

Step lights, or for garage doors and pergolas

2 W

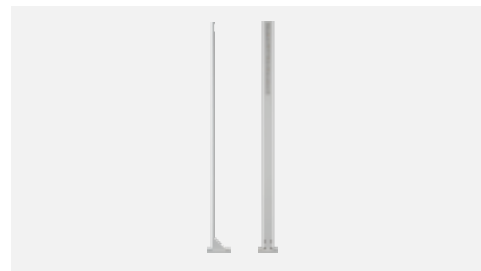


VERTICAL

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

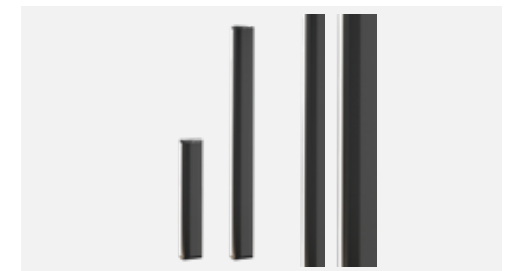


STELLA

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 2025!



PROGRAMMABLE FUNCTIONS

	24 Vdc			230 Vac			400 Vac
motors number/light	1	2	⚡	1	2	⌋	1
14A	•	•	•				
CT10324	•						
MA24ISL	•		•				
CT20324		•					
CT102B				•			
CT202					•		
RX2H				•		•	
CT1RS				•			
CT-400							•
GARDEN BOX			•				

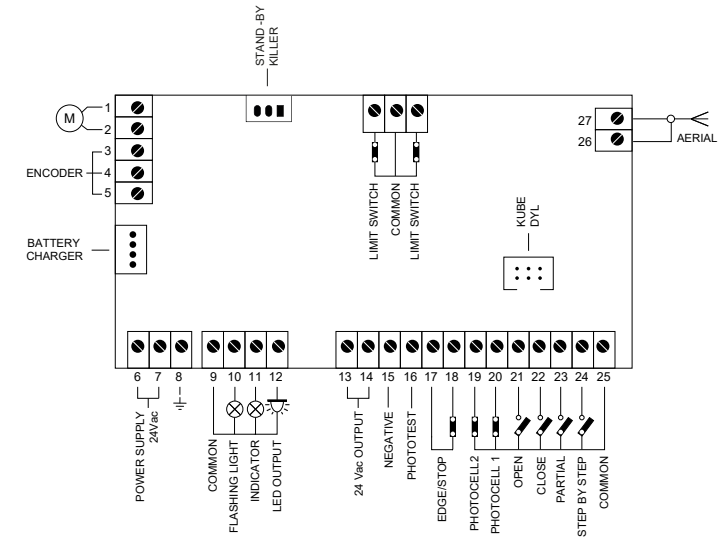
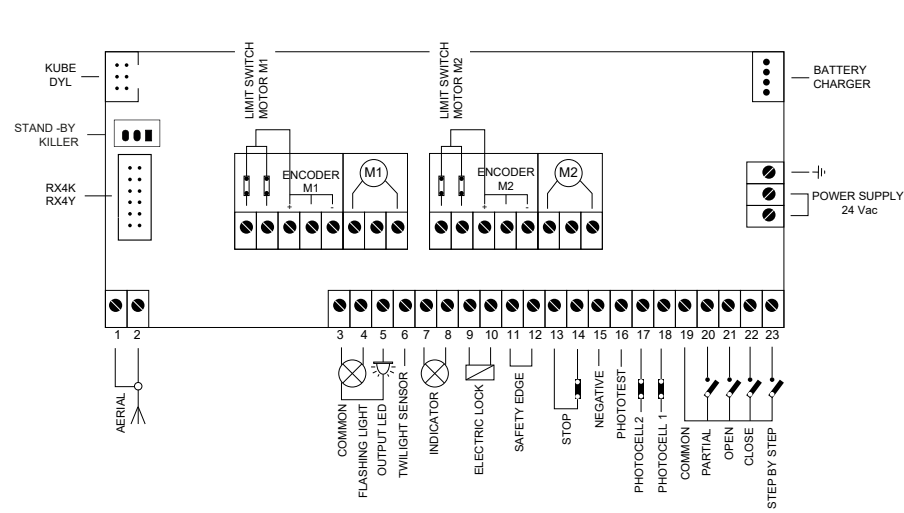
	CT10324	MA24ISL	HALO	14A	CT20324	CT1RS	CT102B	CT202	CT400
motors number	1		2		1		2		1
motor power	24 Vdc				230 Vac			400 Vac	
hold to run	•	•		•	•	•	•	•	•
semi-automatic functioning	•	•	•	•	•	•	•	•	•
automatic functioning	•	•	•	•	•	•	•	•	•
condominium function (only open)	•	•	•	•	•	•	•	•	•
pre-flashing	•	•	•	•	•	•	•	•	•
photo during opening	•	•	•	•	•	•	•	•	•
soft start	•	•	•	•	•	•	•		
soft stop	•	•	•	•	•				
courtesy light	•	•	•	•	•	•	•		
open gate light with proportional flashing light	•	•		•	•	•	•		•

	CT10324	MA24ISL	HALO	14A	CT20324	CT1RS	CT102B	CT202	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

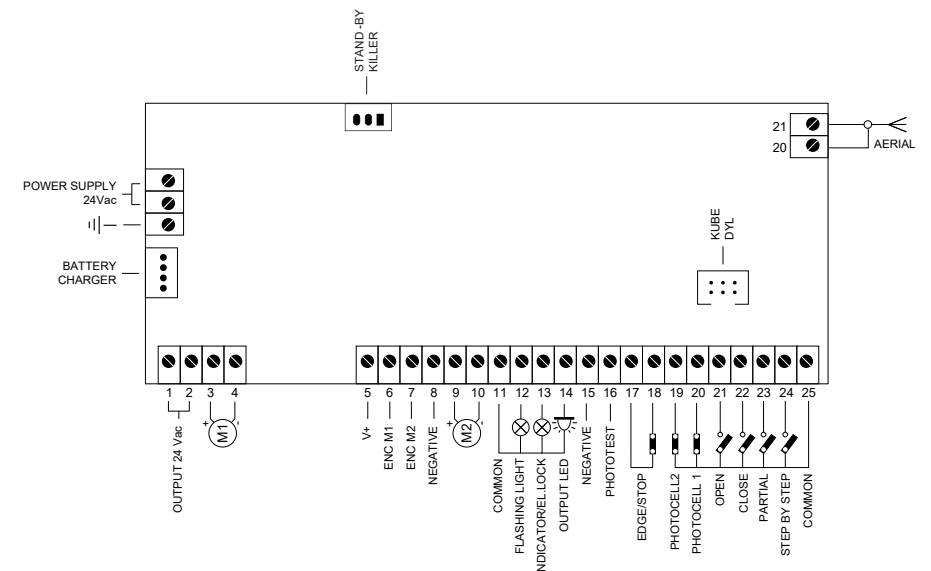
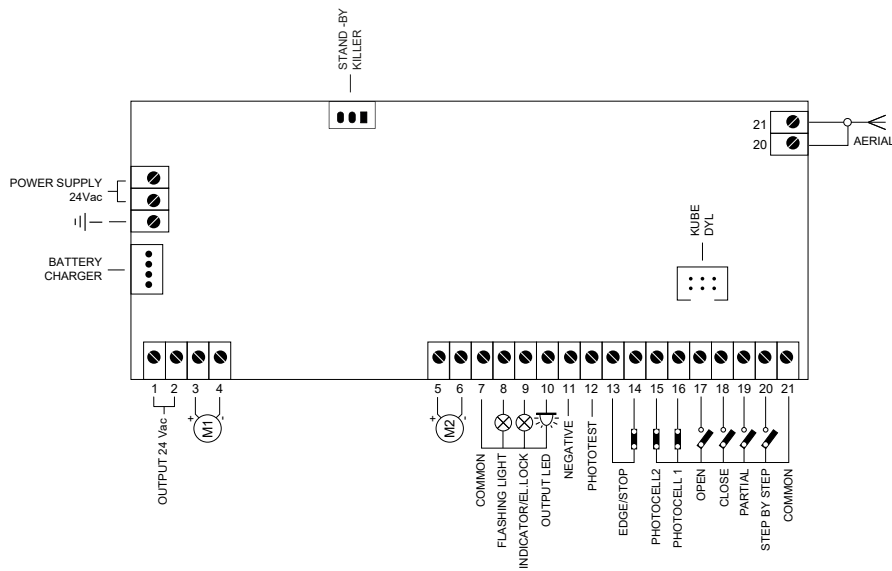
14A

CT10324



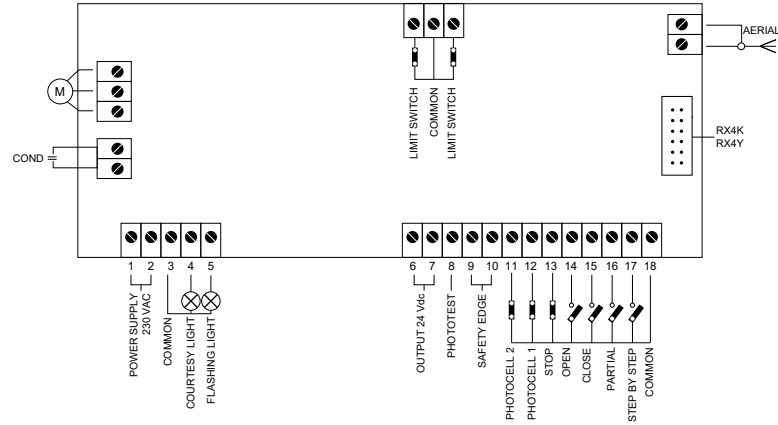
CT20324

CT20324E

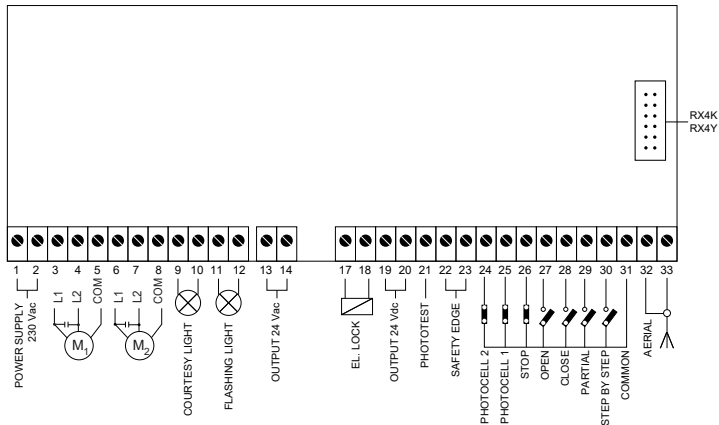


CONTROL UNITS ELECTRIC DIAGRAMS

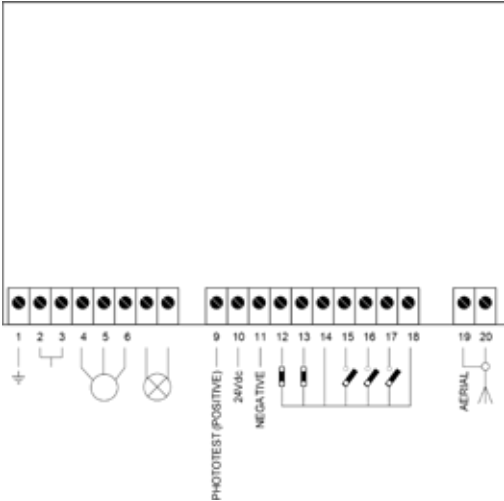
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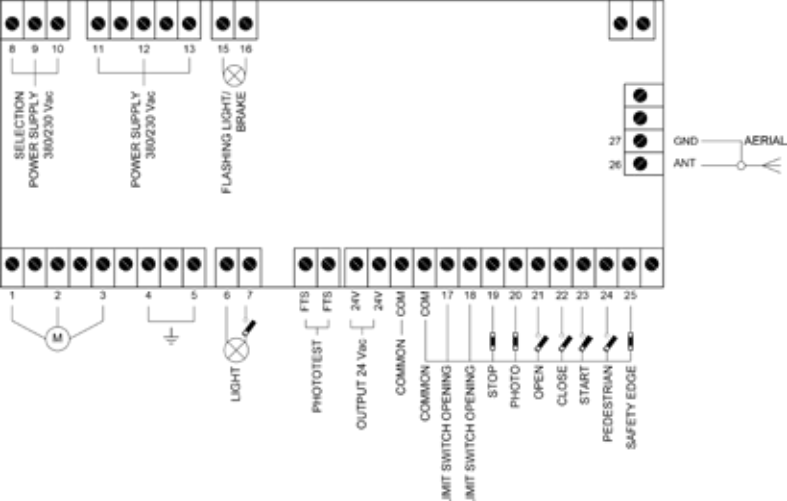
CT202



CT1RS



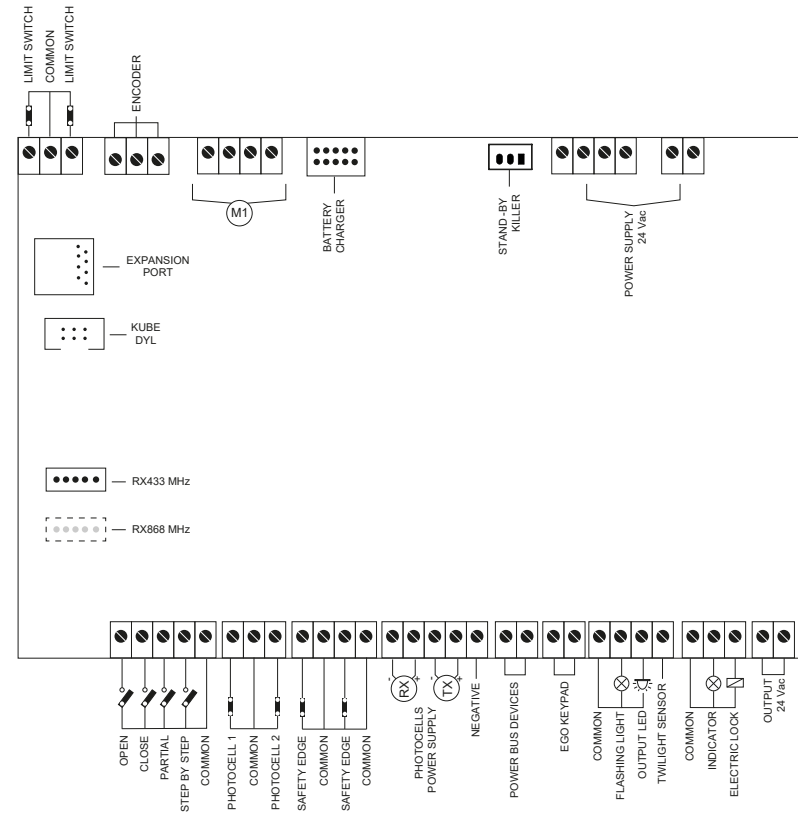
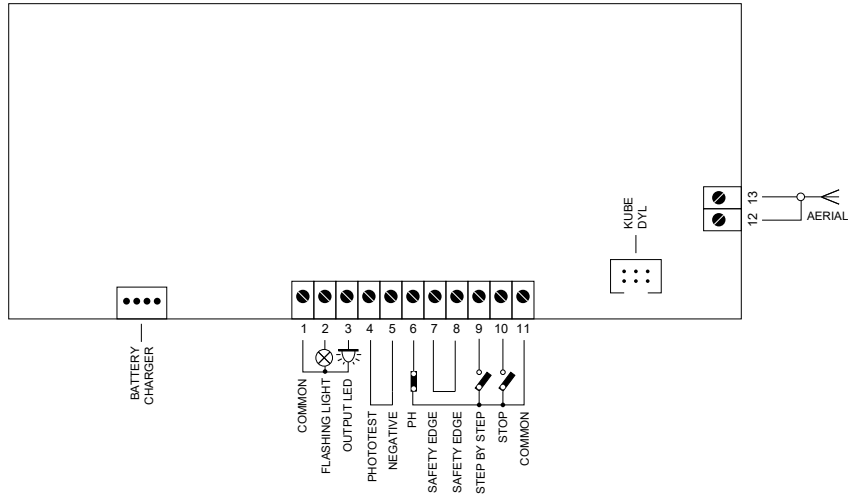
CT-400



CONTROL UNITS ELECTRIC DIAGRAMS

HALO

MA24ISL



ALPHABETICAL LIST

14AB2	120	BOXKEY	129	EG3	116	FT33	111	KITFIXBATT	23
14AB2F	120	BOXKEYS	129	EG50	116	FT43	111	KLIGHT4	94
520STAF029A00	69	BS-50	72	EG100	116	FT43B	111	KLIGHT6	94
550CABL045A00	69	BS52	72	EG50L	116	FT43PB	111	KLIGHT8	94
AD	94	BS5324	72	EG100L	116	GIUN	118	KPLAY4F	104
ADFB	23	BSF1	74	EG100A	116	HA8	68	KPLAY4R	104
ADRB	23	CF3	45	EG100LA	116	HA12	68	KRAY4324KS	27
ADUN	45	CF3SB	45	EGKD2	113	HA12PP	68	KRAY2524EK	26
ADWA	23	CI3	45	EGKD3	113	HA12SS	70	KRAY2524KK	26
ALT3KF	92	COMB12	118	EGKD4	113	HA8PP	70	KRAY3024FEK	26
ALT4K	92	COMB18	118	EGKTB1	113	HA8SS	70	KRAY3024FKK	26
ALT6K	92	COMRX	119	EGKTB2	113	HAL1S	69	KRAY4024EK	26
ANG	118	COMSC16	118	EGKTR1	113	HAL2	69	KRAY4024KK	26
ANTS-433	110	COMSC20	118	EGKTR2	113	HAL3	69	KRAY42ES	27
APFX	94	COMSC25	118	EGS101 - EGS201	113	HAL4	69	KRAY42KS	27
APM	94	COMTX	119	EGS102 - EGS202	113	HAL5	69	KRAY4324ES	27
AS-SNO3	94	CP-BR	94	EGS103 - EGS203	113	HAL6	69	KRAY4324KS	27
AST3F	94	CP-BR6	94	EGS104 - EGS204	113	HAL7	69	KREP2024EK	36
ASTL4	94	CREM-8	51	EGS105 - EGS205	113	ILSUB	103	KREP2024KK	36
ASTL4J	94	CREM-12	51	EGS106 - EGS206	113	KBP	129	KREP2324ES	37
ASTL5	94	CREM-30	85	EGS107 - EGS207	113	KBPN	33	KREP2324KS	37
ASTL6	94	CT10324	122	EGS108 - EGS208	113	KBP	87	KRING	103
ASTL6J	94	CT102B	124	EGS109 - EGS209	113	KBPS	85	KTUS4324ES	58
ASTL8	94	CT1RS	125	EGS110 - EGS210	113	KBS52JS	74	KTUS4324KS	58
BC	73	CT202	126	ELS-C	23	KBS5324JS	74	KTUS7324ES	58
BD	73	CT20324	123	EXRB	23	KC	23	KTUS7324KS	58
BDBOC	41	CT20324E	123	FC-PS	81	KCT202ES	42	KTUS11324ES	58
BDNS	73	CT-400	128	FCRAY	23	KCT202KS	42	KTUS11324KS	58
BMET	129	CTLIGHT2	116	FIMAS	51	KCOM2	119	KSN5024B	40
BOC	73	DYL	121	FIMAT	57	KCS	51	KSN50B	40
BOX250	120	ECLIPSE	109	FT23	111	KFE	41	KSTAR3324ES	30

ALPHABETICAL LIST

KSTAR3324KS	30	KUND2KS	46	RAY40	24	SN5024SX	40	STO3	85
KSUB44BR	103	KUND3024EK	46	RAY40LATI	24	SOLEAU	108	TAP	118
KSUB44OR	103	KUND3024KK	46	RAY4024E	22	ST2000	73	TIPS	105
KSUB44PR	103	LEVA008A00	41	RAY4224E	24	STAF032A00	23	TIP1	105
KSUB44YR	103	LOOP2	94	RAY4224ETOW	24	STAF089A00	108	TIP1S	105
KSUB44MR	103	LUMY-230	110	REV1	33	STANAV	81	TIP2	105
KSUB44CR	103	LUMY-230E	110	REV2	33	STAR3024	28	TIP2S	105
KSUB44GR	103	LUMY-24	110	REP2024	33	STO25024I	84	TIP3	105
KSUB44WR	103	LUMYU	110	REP2024S	33	STO25024	84	TIP3S	105
KSUB44-R	103	MA24	120	REP2324	34	STO12024FI	84	TS	129
KSUN11024EK	54	MUR-P	111	REP2224S	34	STO12024F	84	TUS7324	56
KSUN11024KK	55	OP100	45	REV3	35	STO20324	86	TWIN	94
KSUN5024EK	55	PV30W	108	RN800	51	STPOAVS	81	TX2B	127
KSUN5024KK	55	PO24	120	RX2H	127	SUB44F	102	TZ-1500	73
KSUN5024TW	55	PROFT	94	RX433S	106	SUB44WF	102	TZ-2000	69
KSUN5324ES	55	PROFT6	94	RX4K	129	SUB44N	102	UND	44
KSUN5324KS	55	PROFT8	94	RX8	106	SUB44R	102	UND10	44
KSUN5024FEK	55	PS400-24FA	80	RXDBS	85	SUB44WN	102	UND24	44
KSUN5024FKK	55	PS-400FA	80	RXM5A	107	SUB44WR	102	UND24E	44
KSUN7024EK	55	QUADRO	116	RXM23K	107	SUB84WR	102	UND24F	44
KSUN7024KK	55	RAB31	68	RXM28	107	SULU	110	VIP2	116
KSUN7324ES	55	RAB3X1P	68	RUEL004A00	85	SUN11024	50		
KSUN7324KS	55	RAB41	68	SB3	45	SUN11324M	53		
KTUS7324ES	58	RAB61	68	SBCO	69	SUN5024	50		
KTUS7324KS	58	RAL31	68	SBLEXT	41	SUN5324	52		
KUBE	100	RAL41	68	SBLST	69	SUN5024F	50		
KUBEPRO	100	RAY2224	24	SC400M	84	SUN7024	50		
KUBEU	98	RAY2224WIN	24	SKIRT2	94	SUN7324	52		
KUBEW	100	RAY2524	22	SN50DX	40	SUPP022A00	113		
KUBEWA	100	RAY2524E	22	SN50SX	40	STO1	85		
KUND2ES	46	RAY3024F	22	SN5024DX	40	STO2	85		

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>.





ISO9001

