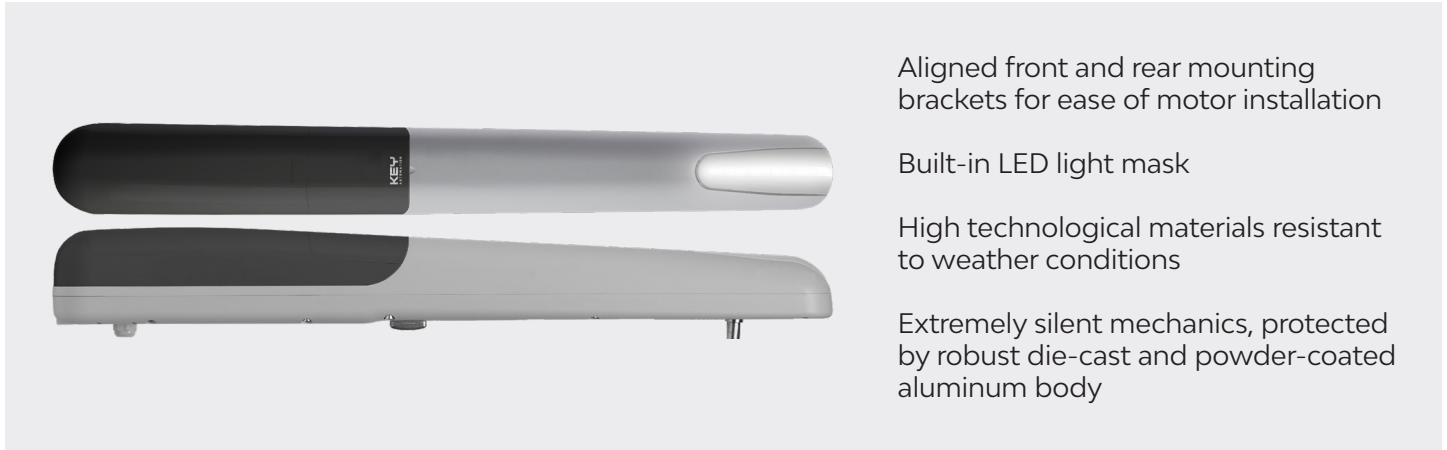


RAY



**ELECTROMECHANICAL GEAR MOTOR
FOR SWING GATES**

KEY
AUTOMATION



Aligned front and rear mounting brackets for ease of motor installation

Built-in LED light mask

High technological materials resistant to weather conditions

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

NIGHT LIGHT SYSTEM

Concept that combines the comfort of an automatic gate with the use of LED lighting to illuminate your entrance over night

- + SAFETY
- + COMFORT
- + SAVING

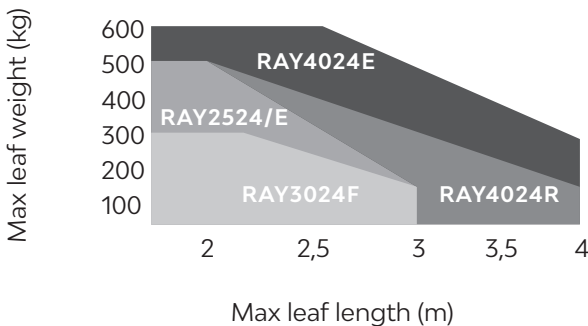
Ease the night vision
Defines the driveway passage during the night
Allows lower power consumption



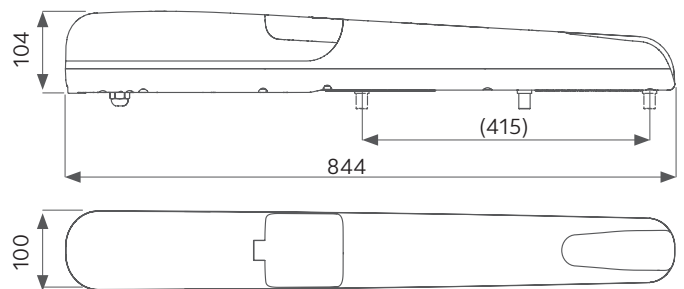
MODELS

CODE	DESCRIPTION	PCS PALLET
RAY2524	For swing gates with maximum length 3 m or max weight 500 kg per leaf, 24 Vdc motor	25
RAY2524E	For swing gates with maximum length 3 m or max weight 500 kg per leaf, 24 Vdc motor, with encoder	25
RAY4024E	For swing gates with maximum length 4 m or max weight 600 kg per leaf, 24 Vdc motor, with encoder	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	25
RAY3024F	For swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor, with encoder	5

LIMIT USE




DIMENSIONS








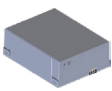










Gate shape and height and weather conditions can considerably reduce the values shown above, in the graph. 230 Vac motors are suggested for windy areas. The RAY4024 model is recommended for condominium installations.

TECHNICAL DATA

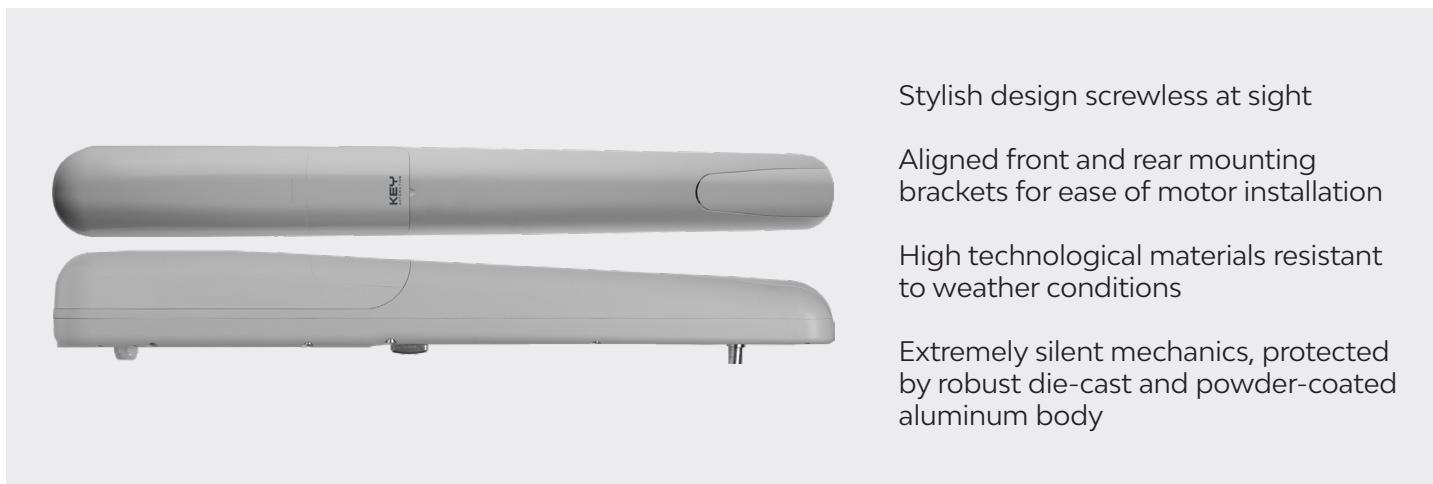
		RAY2524	RAY2524E	RAY4024E	KRAY4024R	RAY3024F
MECHANICAL DATA						
speed	cm/s	2,6	2,6	1,5	3	3,8
pulling force	N	1500	1500	2000	1000	1000
working cycle	%	80	80	80	80	80
opening time at 90°	sec	18-25*	18-25*	20-25*	20-25*	10-15*
ELECTRICAL DATA						
control board		14AB	14AB	14AB2	14AB2	14AB2F 
power	Vdc	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	8,01	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 optimized fixing 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	ELS-C 12 V horizontal electric lock. Up to 2000 Kg
PC 1	PC 1	PC 1	PC 1	PC 1
				
KBP Kit of 1.3 Ah lead battery and battery charger	KITFIXBATT Fixing brackets for batteries 24V	KC Unlock key cylinder	EXRB Extension bracket for outside opening	STAF032A00 Adapting rear bracket
PC 1	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)	14AB2 Control unit in box for two 24 Vdc motors	14AB2F Control unit in box for two 24 Vdc motors(only RAY3024F)	DYL Programming module Cable length 120 cm (only 14A board)	KUBepro Wireless programming module
PC 1	PC 1	PC 1	PC 1	PC 1
				
KUBE Wireless controlling module for end user				
PC 1				

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



Stylish design screwless at sight

Aligned front and rear mounting brackets for ease of motor installation

High technological materials resistant to weather conditions

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

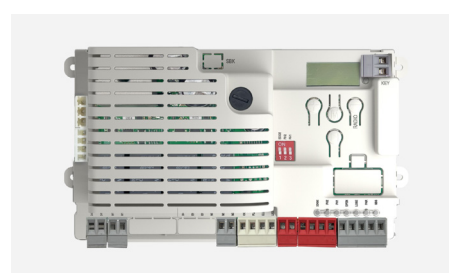
NEW CONTROL UNIT CT20324

+ CT20324

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

+ KUBE and KUBE PRO

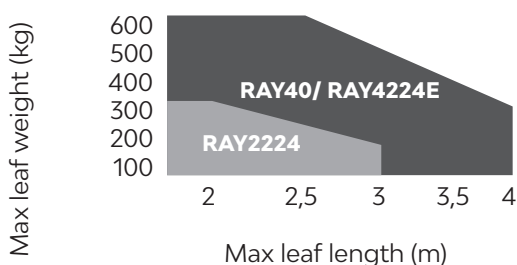
Optional programming with KUBE PRO wireless module (from FW version 2.0)



MODELS

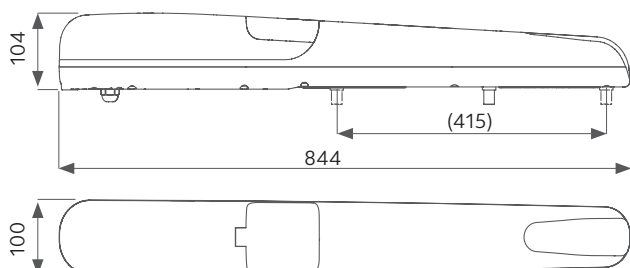
CODE	DESCRIPTION	PCS PALLET
RAY40	For swing gates with maximum length 4 m or max weight 600 kg per leaf, 230 Vac motor	25
RAY2224	For swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor	25
RAY4224E	For swing gates with maximum length 4 m or max weight 600 kg per leaf, 24 Vdc motor with encoder	25

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



TECHNICAL DATA

		RAY40	RAY2224	RAY4224E
MECHANICAL DATA				
speed	cm/s	1,6	2,6	1,5
pulling force	N	2000	1500	2000
working cycle	%	40	80	80
opening time at 90°	sec	20-25*	18-25*	20-25*
ELECTRICAL DATA				
control board		CT202	CT20324	CT20324E
power	Vac	230	-	-
	Vdc	-	24	24
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
leaves maximum weight	Kg	600	300	600

* with optimized fixing 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

PC 1



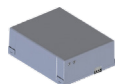
FCRAY
Mechanical stop in closing

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



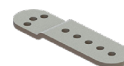
KITFIXBATT
Fixing brackets for batteries 24V

PC 1



KC
Unlock key cylinder

PC 1



EXRB
Extension bracket for outside opening

PC 1



STAF032A00
Adapting rear bracket

PC 1



CT20234
Control unit 2 motors, 24 Vdc in box (only RAY2224)

PC 1



CT20234E
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

PC 1



KUBE
Wireless controlling module for end user

PC 1