# RAY

**UP TO 3 M, 24 VDC**

- 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
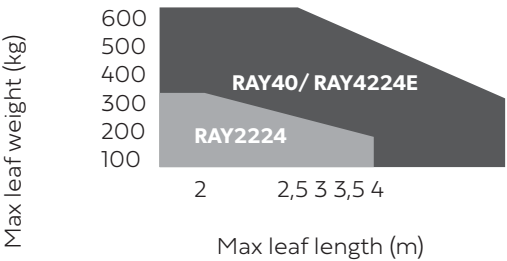
## CONTROL UNIT CT20324

+ **CT20324** New 5-character / 16-segment display for more natural and intuitive reading
+ **KUBEPRO** Optional programming with KUBE PRO wireless module (from Firmware version 2.0 and new smartphone app to be released in July 2024).
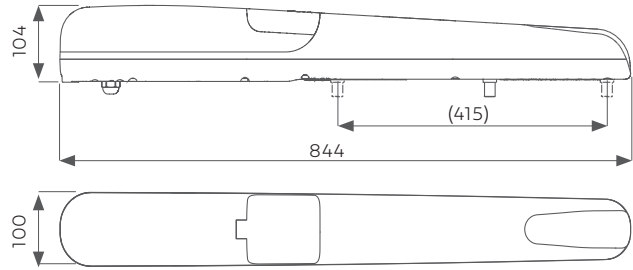
## MODELS

| CODE | DESCRIPTION |
|------|-------------|
| **RAY2224** | For swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor. Residential use |

## LIMIT USE

Max leaf weight (kg)

600
500
400
300
200
100

RAY40/ RAY4224E

RAY2224

2    2,5 3 3,5 4

Max leaf length (m)

## DIMENSIONS

104

(415)

844

100

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.

## KITS WITHOUT NIGHT LIGHT SYSTEM

| CODE | DESCRIPTION |
|------|-------------|
| **KRAY2324** | Kit for double swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor. Control board CT20324. Residential use |
| **KRAY2324S** | Kit for single swing gates with maximum length 3 m or max weight 300 kg per leaf, 24 Vdc motor. Control board CT20324. Residential use |

# TECHNICAL DATA

| | | RAY2224 |
|---|---|---|
| **MECHANICAL DATA** | | |
| speed | cm/s | 2,6 |
| pulling force | N | 1500 |
| cycles/hour** | | 40 |
| opening time at 90° | sec | 18-25* |
| **ELECTRICAL DATA** | | |
| control board | | CT20324 |
| power | Vac | - |
| | Vdc | 24 |
| consumption | A | 3,5 |
| absorbed power | W | 85 |
| capacitor | µF | - |
| thermoprotection | °C | - |
| **GENERIC DATA** | | |
| protection degree | IP | 44 |
| dimensions (L - D - H) | mm | 844 - 100 - 104 |
| weight | kg cad | 8 |
| working temperature | °C | -20 + 55 |
| leaves maximum weight | kg | 300 |

# 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

**KBP** Kit of 1.3Ah lead battery and battery charger

**KITFIXBATT** Fixing brackets for batteries 24V

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

**EXRB** Extension bracket for opening outwards

**STAF032A00** Adapting rear bracket

**RP24K** Reflective photocells for external use.

**KUBE PRO** Wireless module for programming

**KUBE** Wireless controlling module for end user

**KPLAY4R** 4 button 433MHz transmitter, suited for car visors

**CT20324** Control unit in box for two 24 Vdc motors

**ECLIPSE** Led flashing with courtesy light, crepuscular sensor and built-in antenna

**SEL-R** Wireless keypad transmitter, 433MHz

**EGKTR1** Wireless keypad transmitter, EGO series 433MHz

**TO1M** 1-channel touch transmitter, rolling code 433Mhz

**SUB remotes** Water and dust resistant 433MHz transmitters, rolling code

**FT43** Pair of photocells for external use adjustable through 180

**KSOLAU** Solar kit, includes 30W panel, recharge unit in enclosure, mounting brackets and batteries

**SPLIT24V** Low Voltage box

**FT43B** Pair of photocells for external use through 180, battery

**FT33** Pair of photocells for external use.

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