



KRONO

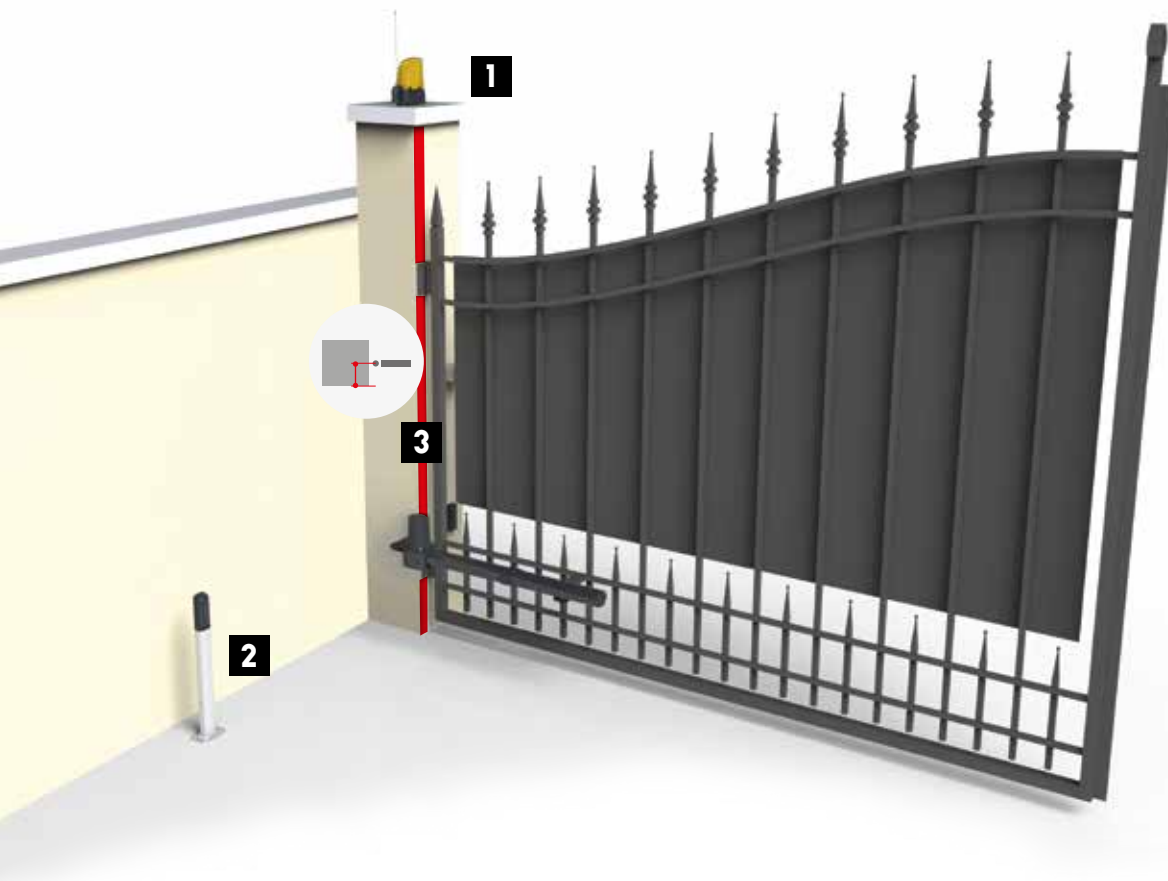
**IDEAL SOLUTION
FOR FITTING ON
STYLISH GATES.**

Gate leaves
of up to 5 m

CAME 

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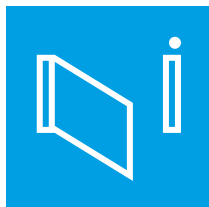
1
LED flashing light
low consumption

2
Inside photocell

3
C Max. Distance
between the post's
inside surface and
the gate's rotating
axis

**THE RIGHT COMPLEMENT
FOR YOUR WROUGHT IRON GATE.**

Krono is the ideal solution when style and quality of materials are important. It is available in many versions, and fits on swing gates measuring between 3 m and 5 m (9.8/16 ft) per gate leaf, in length.



THE ADVANTAGES OF CAME'S **KRONO**

- Aluminum structure.
- The micro-switches are for adjusting the gate leaves' opening and closing limit-switch points.
- A reliable product in the best of CAME tradition.





PERFECT INTEGRATION

Thanks to its stem shape and special finishing, Krono is adaptable to many architectural settings, even the most challenging. The entire operator is made up of aluminium to ensure sturdiness and durability over time. The electromechanical motor needs no periodic lubrication and is designed to always be ready for use, even in the worst weather conditions.

CLOSING LOCK

In case of power outages, the gearmotor is irreversible and ensure that the gate locks. If the lack of power happens when the gate is open or in movement, the practical, key-protected, mechanical release handle, lets you manually move the gate.

UNDER CONTROL OPENING

- Gate can be stopped directly by the transmitter so every phase of the gate leave's movement is under control.
- Partial opening of the gate leaf to allow pedestrian passage.



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TRANSMITTERS



PHOTOCELLS



KEY-SWITCH
SELECTOR



12 KEYPAD
SELECTOR

Came is a market leading home, industrial, and special technological projects automation manufacturing company. A full range of household solutions: from operators for gates and garage doors, to shutter and awning winding motors, and even home automation control, to burglar proof and video entry systems. Technology and reliability to serve your business, thanks to solutions designed for powering large industrial doors, automatic doors, street barriers, turnstiles, access control systems and parking facilities.

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CAME AUTOMATED OPERATORS AND ACCESS CONTROL

SLIDING GATE OPERATORS



SWING GATE OPERATORS



AUTOMATED OPERATORS FOR SECTIONAL AND GARAGE DOORS



AUTOMATIC STREET BARRIERS



OPERATORS FOR INDUSTRIAL ENTRANCES



AUTOMATED OPERATORS FOR ROLLER SHUTTERS



AUTOMATIC TURNSTILES AND ACCESS CONTROL



AUTOMATIC PARKING SYSTEMS



ACCESSORIES



COMPLETE SYSTEMS



CUSTOM ELECTRONICS TO MEET YOUR NEEDS!

Krono is available with motor at 230 V AC version.

The table shows the main characteristics of the control panels, matched to the gearmotors.

120

CONTROL BOARD / CONTROL PANEL

| | ZA3P | ZA3P110 |
|---|------|---------|
| SAFETY | | |
| SELF-DIAGNOSING safety decives | ■ | ■ |
| PRE-FLASHING when opening and closing | ■ | ■ |
| REOPENING during closing | ■ | ■ |
| RECLOSING during opening | ■ | ■ |
| Obstruction WAIT | | |
| TOTAL STOP | ■ | ■ |
| PARTIAL STOP | ■ | ■ |
| OBSTRUCTION DETECTION in front of photocells | ■ | ■ |
| ENCODER | | |
| MOVEMENT CONTROLLING and OBSTRUCTION DETECTING device | | |
| AMPEROMETRIC DETECTION | | |
| COMMAND | | |
| PEDESTRIAN OPENING 1 leaf | | |
| PARTIAL OPENING 1 leaf | ■ | ■ |
| OPEN ONLY from transmitter and/or from button | ■ | ■ |
| ONLY OPEN or ONLY CLOSE button connection | ■ | ■ |
| OPEN-STOP-CLOSE-STOP from the transmitter and/or button | ■ | ■ |
| OPEN-CLOSE-INVERT from the transmitter and/or button | ■ | ■ |
| MAINTAINED ACTION from button | ■ | ■ |
| DELAYED OPENING 1st leaf | ■ | ■ |
| DELAYED OPENING 2nd leaf | ■ | ■ |
| CHARACTERISTICS | | |
| FLASHING LIGHT connection | ■ | ■ |
| CYCLE LIGHT connection | ■ | ■ |
| COURTESY LIGHT connection | ■ | ■ |
| Antenna connection | ■ | ■ |
| OPEN ALERT LIGHT connection | ■ | ■ |
| Contact output for 2nd RADIO CHANNEL | ■ | ■ |
| OPERATING TIME adjusting | ■ | ■ |
| SELF-LEARNING of the transmitter's RADIO CODE | ■ | ■ |
| Connection for the ELECTRIC LOCK and/or RAMMING | ■ | ■ |
| Adjustable AUTOMATIC RECLOSING TIME | ■ | ■ |
| OPENING and/or CLOSING slow downs | ■ | ■ |
| EMERGENCY BATTERY operation (optional) | | |
| TRAVEL and SLOW DOWN SPEEDS adjustable* | ■ | ■ |
| DISPLAY | | |
| Self-learning of the opening and closing gate-travel | | |
| CAME Connect | | |
| Designed to fit RIO System 2.0 | | |
| CRP control | | |
| ENERGY SAVINGS control (001RGP1) | | |

NOTES: * 002ZA3P only slow-down speed.

■ 120 - 230 V AC

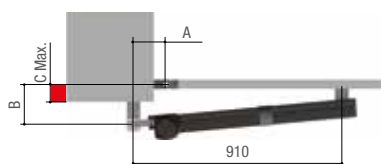
KRONO
TECHNOLOGY

120

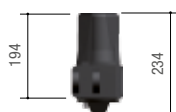
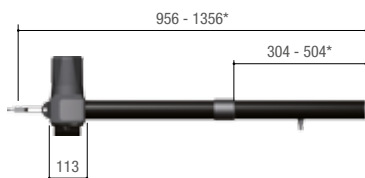
120 V AC

Operator or gearmotor that runs on 120 V AC.

DIMENSIONS (MM)



* 001KR510D - 001KR510S



APPLICATION DIMENSION (MM)

| MODELS | KR300D · KR300S · KR302D · KR302S · KR310D · KR310S · KR312D · KR312S · KR301D · KR301S | | |
|------------------|---|-----|--------|
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 130 | 130 | 60 |
| 120 | 130 | 110 | 50 |
| MODELS | KR510D · KR510S | | |
| LEAF OPENING (°) | A | B | C Max. |
| 90 | 200 | 200 | 120 |
| 120 | 200 | 140 | 70 |

OPERATING LIMITS

| MODELS | KR300D · KR300S · KR302D · KR302S · KR310D · KR310S · KR312D · KR312S · KR301D · KR301S | | | | |
|--------------------------|---|-----|-----|-----|------|
| Max. width of leaf (m) | - | - | 3 | 2,5 | 2 |
| Max. weight of leaf (kg) | - | - | 400 | 600 | 800 |
| MODELS | KR510D · KR510S | | | | |
| Max. width of leaf (m) | 5 | 4 | 3 | 2,5 | 2 |
| Max. weight of leaf (kg) | 400 | 500 | 600 | 800 | 1000 |

TECHNICAL CHARACTERISTICS

| MODELS | KR300D | KR300S | KR302D | KR302S | KR310D | KR310S |
|------------------------------|------------|------------|------------|------------|------------|------------|
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC |
| Power supply to motor (V) | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC | 230 AC |
| Absorption (A) | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 | 1,1 |
| Power (W) | 130 | 130 | 130 | 130 | 130 | 130 |
| Maneuvering time at 90° (s) | 22 | 22 | 18 | 18 | 22 | 22 |
| Duty/cycle (%) | 30 | 30 | 30 | 30 | 30 | 30 |
| Thrust (N) | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 | 150 | 150 | 150 |
| MODELS | KR312D | KR312S | KR510D | KR510S | KR301D | KR301S |
| Protection rating (IP) | 54 | 54 | 54 | 54 | 54 | 54 |
| Power supply (V - 50/60 Hz) | 230 AC | 230 AC | 230 AC | 230 AC | 110 AC | 110 AC |
| Power supply to motor (V) | 230 AC | 230 AC | 230 AC | 230 AC | 110 AC | 110 AC |
| Absorption (A) | 11 | 11 | 1,1 | 1,1 | 2,6 | 2,6 |
| Power (W) | 130 | 130 | 130 | 130 | 160 | 160 |
| Maneuvering time at 90° (s) | 18 | 18 | 34 | 34 | 22 | 22 |
| Duty/cycle (%) | 30 | 30 | 30 | 30 | 30 | 30 |
| Thrust (N) | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 | 400 ÷ 3000 |
| Operating temperature (°C) | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 | -20 ÷ +55 |
| Motor's heat protection (°C) | 150 | 150 | 150 | 150 | 150 | 150 |



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■ 120 - 230 V AC



CAME S.p.A.
has the following Quality,
Environmental and Safety certifications:
UNI EN ISO 9001
UNI EN ISO 14001
BS OHSAS 18001

CAME

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