



Made in Italy



For its quality processes management Came Cancelli Automatici is ISO 9001:2000 certified, and for its environmental management it is ISO 14001 certified. Came designs and manufactures entirely in Italy.

The range

230V A.C. operator

- F7000** Self-locking operator with control panel and articulated transmission arm.
- F7001** Self-locking operator with articulated transmission arm.

230V A.C. control boards and ABS casings

- ZF1** Basic control board for 2 gate leaves fitted to take Came radio cards.
- ZA4** Basic control board for 2 gate leaves fitted to take Came radio cards. (AF30-AF40 excluded).
- ZA5** Control board for 1 gate leaf fitted to take Came radio cards. (AF30-AF40 excluded).
- ZA3** Plus control board for 2 gate leaves fitted to take Came radio cards.
- ZM2** Multifunction control board for 2 gate leaves with safety device self-diagnosis, fitted to take Came radio cards.
- S4339** ABS casing with transformer. Dimensions L 197 x D 110 x H 290 mm.
- S4340** ABS casing with transformer. Dimensions L 240 x D 145 x H 320 mm.

24V D.C. operator and control panel EN12445 - EN12453 tested

- F7024N** Self-locking operator with articulated transmission arm.
- ZL180** Control panel for 2 gate leaves with radio decoding, fitted to take Came radio cards.

Accessories

- F7002** Straight transmission arm and slide guide.
- LB180** Card for connecting (12V - 1,2Ah) emergency batteries and battery rack, for ZL180.
- LOCK81** Electric lock 12V A.C. - D.C. single cylinder.
- LOCK82** Electric lock 12V A.C. - D.C. double cylinder.
- H3000** Cord-operated release mechanism (length 5 m) complete with protective casing.

Technical features

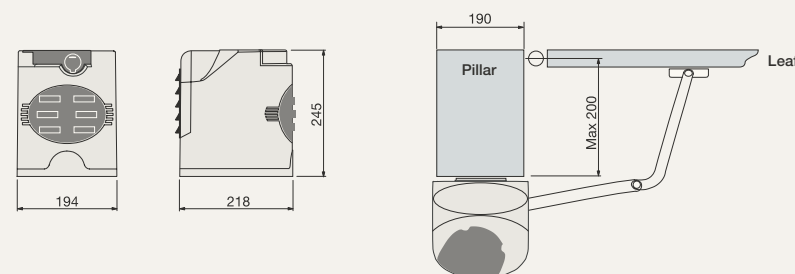
Types	F7000	F7001	F7024N
Protection rating	IP54	IP54	IP54
Motor power supply (V)	230 A.C. 50/60 Hz	230 A.C. 50/60 Hz	24 D.C.
Control board power supply (V)	230 A.C. 50/60 Hz	230 A.C. 50/60 Hz	230 A.C. 50/60 Hz
Current draw (A)	1,4	1,4	11 max
Max power (W)	160	160	140
Opening time 90° (s)	18	18	16 ÷ 45
Duty cycle (%)	30	30	intensive use
Max torque (Nm)	180	180	180
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55

● 230V A.C. ● 24V D.C.

Limits to use

Gate leaf width (m)	Gate leaf weight (Kg)
1	300
1,5	250
2	215
2,3	200

Dimensions



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Gate operators tested in compliance with European Standards on the subject of impact force.

Fast

The compact, versatile solution by Came

Fast is part of an innovative series of operator for swing gates. Powerful and versatile, their design is specific for application on medium and large sized gate-pillars.

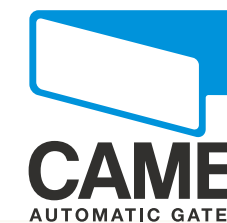
External operator for swing gates of up to 2.3 m per gate leaf



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Fast

230V 24V

The safe and versatile operator for swing gates

With its articulated transmission arms Fast is the new operator for swing gates up to 2.3 m. This new product has a precise applicative purpose. To be installed on medium and large sized pillars, yet with relatively little mounting requirements. Choosing the Fast operator means securing tomorrow's technology, today.



The 230V electronics

Fast's new 230V electronics provides specific command and safety functions in the standard series version. There are, however, additional control boards available, that give top performance technology, in terms of service and safety. Here are some examples:

- > **Tests the safety features active on the automation system** prior to each gate opening and closing.
- > **Partial pedestrian opening** opens just one gate leaf to enable limited pedestrian access.
- > **Complete control of the gate using the transmitter** including the possibility of immediately halting the movement of the gate leaves.



Safe and practical.
The convenient release lever enables manual opening of the gate in case of a power outage.



Modern and refined design.
Thanks to the extreme attention to details and choice of materials.



A compact operator.
The basic version of Fast already comes with a built-in control panel so now further control boards are needed.

Comfort at its best.
Fast is also available in the 24V version, to ensure opening even during a power outage.



EN12445 - EN12453 compliant.
The dedicated ZL180 panel constantly controls the gate leaves' movement allowing for safe thrust, and is EU standard compliant.

Safe and versatile.
Fast's articulated transmission arm is designed to provide safe movement and simple installation, even on medium and large pillars (up to 200 mm between the gate pinion and the wall where the motor is installed).

Compact and sturdy.
Fast takes up very little space and is easily mounted on pillars. Yet the reduced dimensions contain very sturdy, reliable mechanical parts.

24V Fast is EN TESTED

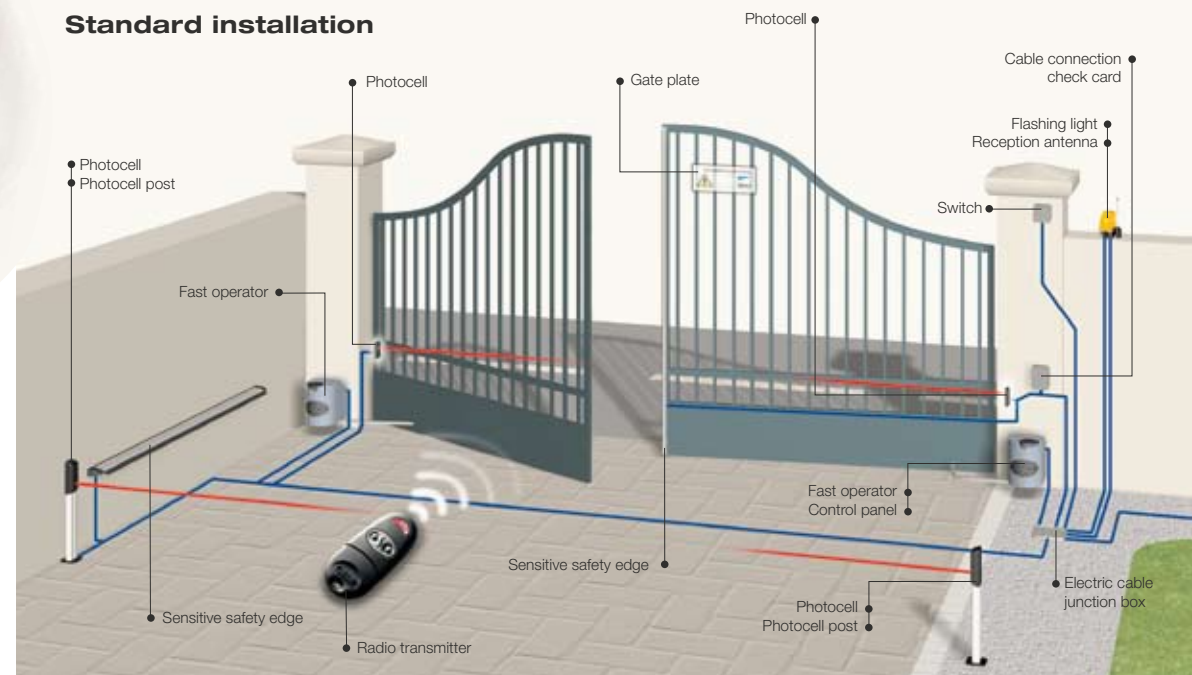


When max comfort, performance and safety are needed, Fast's 24V technology provides top level potential of the operator, particularly:

- > **Controlled impact forces**
Thanks to laboratory testing carried out on a door sample, Fast is European standard EN12445 and EN12453 compliant, in terms of impact forces.
- > **Blackouts no more**
The 24V-powered Fast electronics automatically recognises the interruption of electric power and thus activates the emergency batteries, so that the gate can always be opened and closed (optional).
- > **Frequent passages**
The low voltage gearmotor ensures functioning even under severe working conditions such as when applied to apartment blocks or industrial facilities.
- > **Obstacle detection**
A special electronic circuit constantly analyses the proper functioning of the gate leaves, by stopping, or inverting the direction of movement, in case of any obstacles.



Standard installation



In the event a careful analysis of the automated gate's risks were to require it, the use of sensitive safety infrared or contact edges becomes indispensable. If the gate leaves are of the panel kind, or in the presence of strong winds, the 230V version is SUGGESTED.

