PRODUCTS

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

F4000 230V A.C. Self-loking operator.

230V A.C. control panels and ABS casings

ZA3 Plus control panel for 2 gate leaves fitted to take Came radio cards.
ZM2 Multifunction control panel 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.
S4339C ABS casing, dimensions L 197 x P 135 x H 290 mm featuring operate and command buttons.
S4340 ABS casing with transformer. Dimensions L 240 x D 145 x H 320 mm.
S4340C ABS casings L 240 x P 166 x H 320 mm featuring operate and command buttons.

230V A.C. control panel

ZC3 Plus control panel with boost function, safety device self-diagnosis and radio decoding.
ZC3C Plus control panel with boost function, safety device self-diagnosis, command buttons and radio decoding.

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

F4024 24V D.C. self-locking operator.
ZL170N 24V D.C. Control panel for one-leaf doors with radio decoding.
ZL19N 24V D.C. Control panel for two-leaf doors with radio decoding.

Accessories

LB18 Card for connecting three 12V – 7Ah emergency batteries, with ABS casing.
F4004 Transmission arm with slide guide.
CMS Release handle with customized key and reset cord (L = 7 m).
C002 Pendulum release system.

Technical features

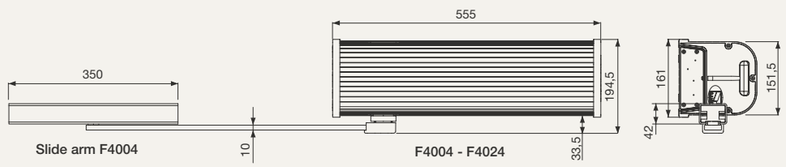
Types	F4000	F4024
Protection rating	IP54	IP54
Power supply (V)	230 A.C. 50/60 Hz	230 A.C. 50/60 Hz
Motor power supply (V)	230 A.C. 50/60 Hz	24 D.C.
Current draw (A)	1,9	15 max
Max power (W)	235	180
Reduction ratio (i)	1/150	1/150
Duty cycle (%)	30	intensive use
Max torque (Nm)	340	470
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55
Rev. per minute (rpm)	9	9

● 230V A.C. ● 24V D.C.

Limits to use

Type	F4000 - F4024	
Application	Swing doors - Folding doors	
Max leaf width (m)	2	1,5 (articulated)
Max leaf weight (Kg)	300	200

Dimensions



Came
cancelli automatici
s.p.a.

via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - Italy

www.came.it - info@came.it

EN TESTED

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

Operator for swing and folding doors

F4000

The operator for all industrial and residential folding doors

F4000 is the perfect operator for folding doors with slide guides that are generally applied for industrial use. Its versatility makes it suitable also for two-leaf swing doors used in residential settings.

F4000

The powerful, yet compact operator

The F4000 series gearmotors are the ideal solution when needing automation for slide guide folding door. Attached to the lintel or door leaf, depending on the space available, they provide a safe, linear motion on medium and large doors. They are also well suited for swing doors used in residential premises.

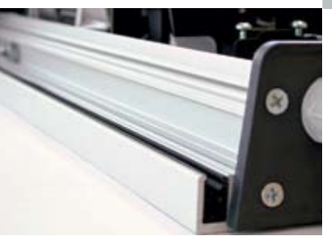
The 230V electronics

The new technology employed in the F4000 series provides specific command and safety functions, which are standard in the BASIC version. However, other control panels are available, which also deliver state-of-the-art performance, in terms of both operational as well as safety performance. Here are some examples:

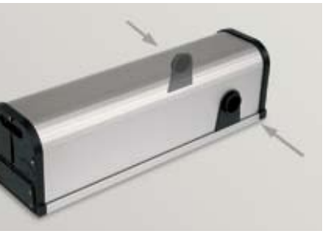
> **System's safety devices test**
Prior to any door operation, whether opening or closing.

> **Pedestrian or partial opening**
To enable the opening of just one of the leaves, or partial opening for pedestrian access.

> **Complete hardware test from the transmitter**
Including the possibility of immediately stopping the movement of the leaves.



Easy-to-use mounting plate.
The F4000 comes with an aluminium alloy mounting plate to enable fast installing to the door leaf or lintel.



To the right and left, a single model.
F4000 and F4024 are designed for universal left or right installation and so have two entries for the gear shaft.

Even outdoors.
The F4000 and F4024 operator are designed for external application and come with weather-resistant gaskets.

Key word: powerful!

Elegant and compact.
F4000 and F4024 are designed to be easily installed without compromising the aesthetics.

EN12445 - EN12453 compliant.
The F4024 model together with ZL19N and ZL170N constantly control the door leaf movement by means of an encoder and allow for a safe thrust in compliance with the European standards.

Sturdy inside and out.
F4000 and F4024 are designed to be easily installed without compromising the aesthetics.

A single lever for all the applications.
Especially designed for folding doors, the slide lever is easily affixed to either the door leaf or the lintel, depending on the needs.

24V F4024 is EN TESTED

When maximum comfort is needed in both performance and safety terms, then 24V technology make it possible to meet such requirements at the highest levels, and, particularly:

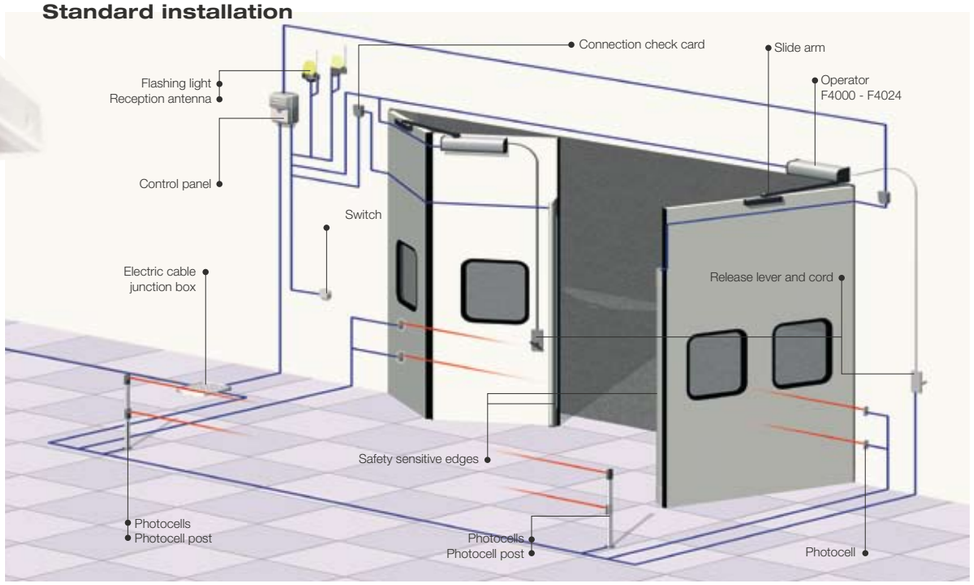
> **Controlled impact forces**
Thanks to laboratory testing carried out on a door sample, version F4024 is European standard EN12445 and EN12453 compliant, in terms of impact forces

> **Blackouts no more**
The 24V-powered electronics automatically recognises any interruption of electric power and thus activates the emergency back-up with auxiliary batteries, so that the door can always be opened and closed.

> **Frequent passages**
The low voltage gearmotor ensures functioning even in heavy-duty working conditions such as in industrial facilities.

> **Obstacle detection**
A special electronic circuit constantly analyses the proper functioning of the 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.

CAME
AUTOMATIC GATES