

External
automation
systems for swing
gates of up to 4 m
per gate leaf



FERNI

**The best in terms of
versatility and power**

FERNI is the specific solution for swing gates installed on large pillars. Its unique transmission lever, provides a simple and effective solution to the movement issues related to such gates.




CAME
AUTOMATIC GATES

FERNI

230V 24V

A universal solution in three models

The sturdy and powerful automated device featuring an articulated arm for swing gates with gates leaves of up to 4 m in length.

A system which enables gate automation when the dimensions of a pillar prevent any other automated device from being installed.

FERNI is also available in the 24V version for more intensive duty.



Practical and safe. The gearmotor release, protected by door and key enables the manual opening of the gate during a power outage.



Precise, sturdy and dependable. FERNI features micro-switches for adjusting the opening of the gate leaves and is made of long-wearing materials that do not require periodic maintenance.



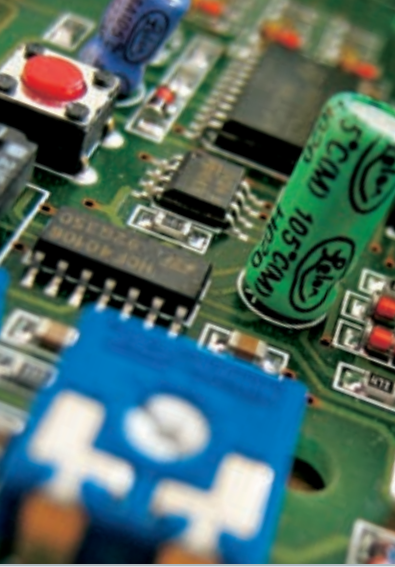
Large sized Pillars. FERNI is the optimal solution for gates with leaves of up to 4 m long, mounted on pillars where the motor-hinge centre distance can be quite large (up to 38 cm).

True comfort. The electronics of the 24V version may be fitted with a device that, during a power outage, activates the emergency operating mode by using auxiliary batteries.



Designed to withstand anything. The high grade of sturdiness of all of the inner and outer components, make FERNI suitable for any application contexts, even the most demanding.

The articulated arm. It is ideally applied to gates with large sized pillars and when gate leaves are installed on the outer side of the pillar. Also available is the "slide" version, to install where little lateral space is available.



The 230V electronics

FERNI'S new, 230V electronics provides specific command and safety features, which are standard in the basic version. However, when cutting-edge technological performance is required in terms of duty and safety, additional circuit boards are available. Here are some examples:

- > **System's active safety-devices test**
prior to each gate operation, whether opening or closing.
- > **Pedestrian or partial opening**
So that only one gate leaf will open, or partially open, to allow pedestrian access.
- > **Total control of the gate from the transmitter**
including the immediate stop function to 'freeze' the moving gate leaves.

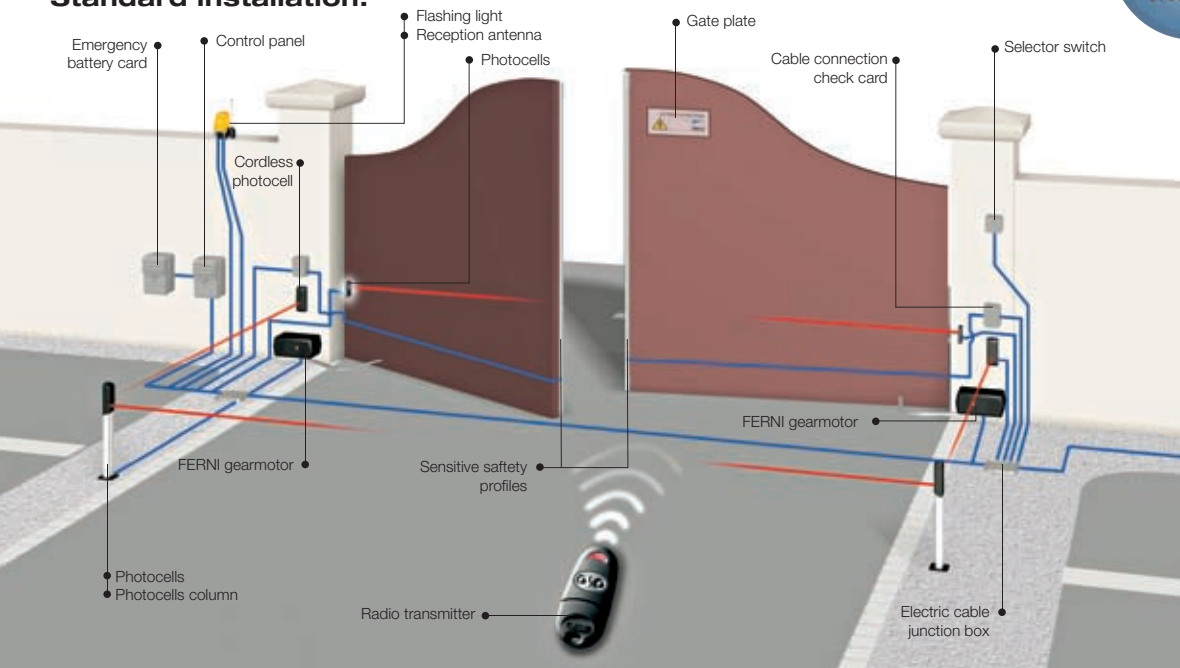
The 24V FERNI

When absolute comfort, in terms of performance and safety, is required, FERNI's 24V technology enables the automation device to reach its full potential, meaning:

- > **Blackouts no more**
FERNI's 24V electronics automatically detects any interruption of electric energy and activates the emergency back-up auxiliary batteries, so that the gate will always open and close.
- > **Frequent accesses**
The low-voltage gearmotor ensures operation even under the harshest duty conditions, as, for example, in condominiums or industrial facilities.
- > **Fast openings**
To tailor the service to individual needs, the 24V electronics allows for the adjustment of the gate's operating speed and for a soft, silent closing of the gate leaves.
- > **Obstruction detection**
A special electronic circuit constantly analyses the proper functioning of the gate leaves, and will either stop or invert the mode, if it comes into contact with any obstructions.



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 profiles becomes indispensable.

In the event of panel gates, and very windy conditions, we suggest installing the 230V version.

The models

230V Gearmotors

- F1000** Automation device with IRREVERSIBLE 230V A.C. gearmotor complete with articulated transmission arm
- F1100** Automation device with REVERSIBLE 230V A.C. gearmotor complete with articulated transmission arm

230V Circuit boards and casings

- ZF1** BASIC type circuit board for two-leafed swing gates
- ZA5** BASIC type circuit board for one-leafed swing gates
- ZA3** PLUS type circuit board for two-leafed swing gates
- ZM2** MULTIFUNCTION type circuit board for two-leafed swing gates
- S4339** ABS casing – dimensions L 197 x D 110 x H 290 mm
- S4340** ABS casing – dimensions L 240 x D 145 x H 320 mm

24V Gearmotor

- F1024** Automation device with IRREVERSIBLE 24V D.C. gearmotor complete with articulated transmission arm

24V Control panels

- ZL170** Control panel for one-leafed swing gates with built-in radio decoder
- ZL19** Control panel for two-leafed swing gates with built-in radio decoder
- LB18** Emergency back-up device to hold 3 12V – 7Ah batteries

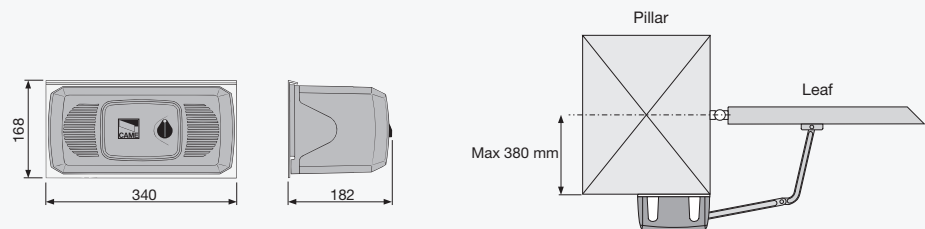
Technical features:

Types	F1000	F1100	F1024
Degree of protection	IP54		
Control panel power supply (50/60Hz)	230V A.C.		
Motor power supply	230V A.C. (50/60Hz)	230V A.C. (50/60Hz)	24V D.C.
Absorbed input	1,3A	1A	15A
Max power	150W	110W	180W
Opening time	18s	18s	16 ÷ 45s
Operation intermittence (90°)	30%	50%	intensive use
Max torque	320Nm	380Nm	470Nm
Operating temperature	-20°C ÷ +55°C		

Limits to use:

Types	F1000 - F1100 - F1024		
Maximum width of gate leaf (m)	2	2,5	4
Maximum weight of gate leaf (Kg)	800	600	400

Dimensions:



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.



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