



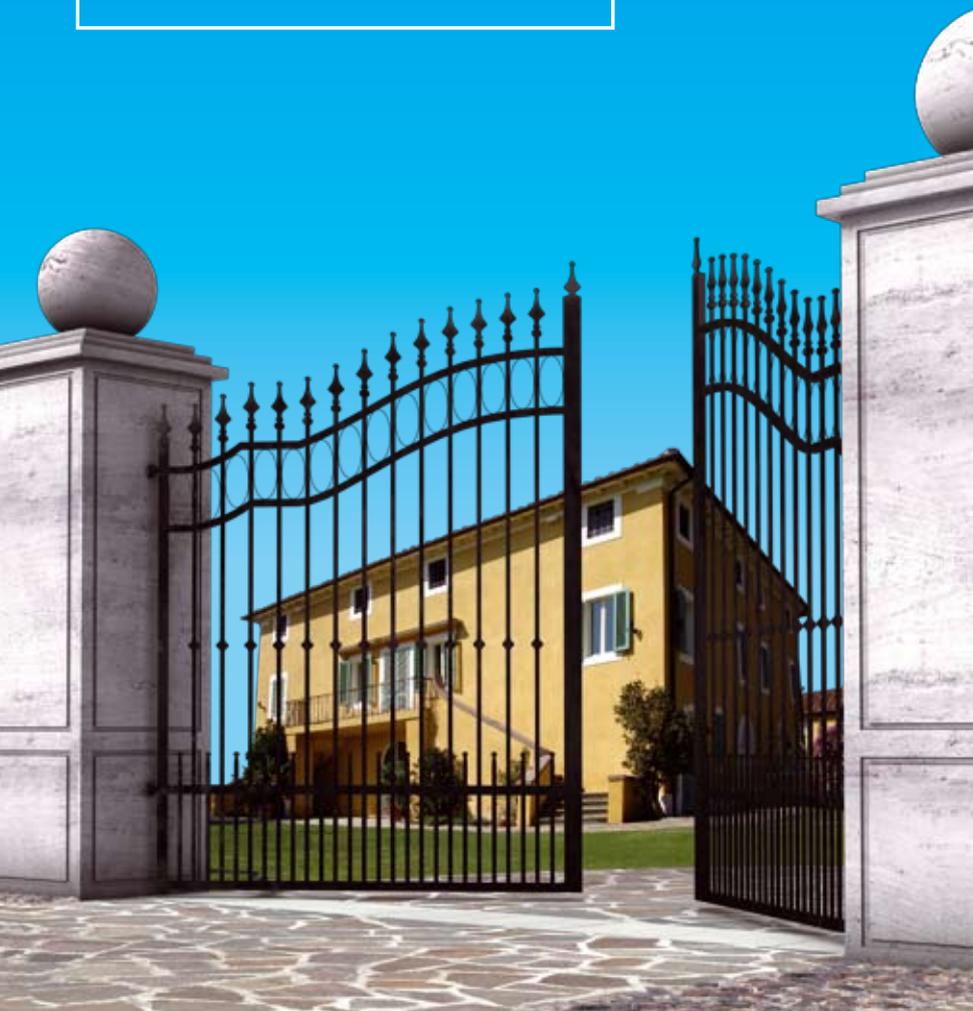
Ferri

EXTERNAL
OPERATOR FOR
SWING GATES
WITH LARGE
PILLARS



Ferni

**Increase
the pillar,
increase the
functionalities.**



Ferni perfectly powers swing gates of up to 4 m wide, which are anchored on to large pillars. It is sturdy and powerful, and may be fitted with either jointed or straight telescopic arms. It adapts and fits any specific space application issues.



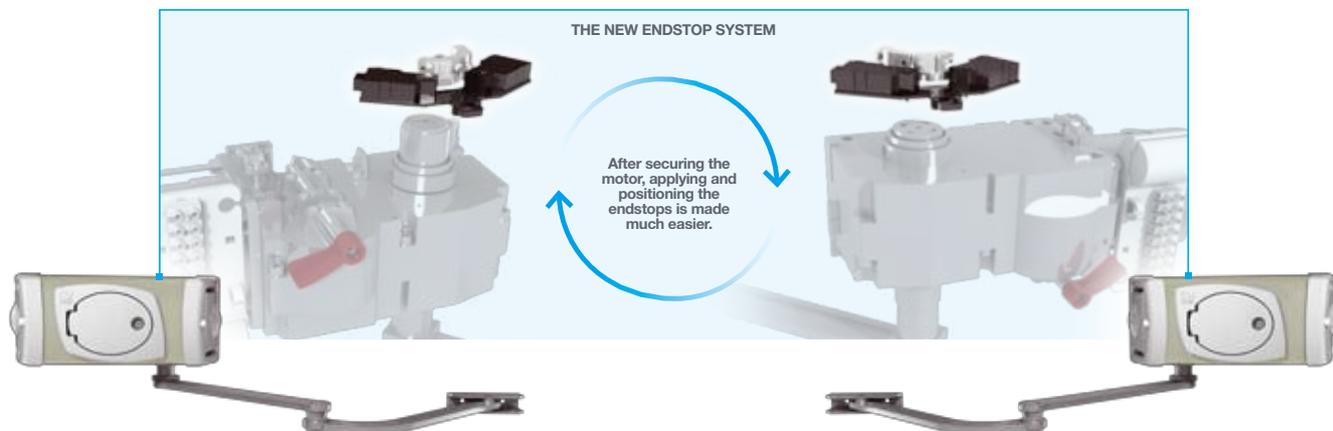
Reasons to choose Ferni

THE VERSATILE, POWERFUL AND PRECISE “DOUBLE FACE” OPERATOR.

Ideal for fitting onto large pillars, where the space between post and gate hinge can be very considerable, Ferni easily solves any installation issues for moving very large gates.

The versatility and special features of this new operator streamline each step of the installers work, making it easy, precise, specific especially for already installed gates. Adjusting the endpoint assembly is also now made much simpler by the new and exclusive “double face” system. Its modular design lets you position the micro-switches more conveniently, depending on whether you install the Ferni operator on the left or

right gate post. This all means a simpler final calibration of the system, maximum precision and reliability and exact adjustment of the gate leaf stop point when opened or closed.



STRONG POINTS:

Installers will find fitting to be easy, with no masonry work or complex gate leaf removal procedures required. Not only: its state-of-the-art EN tested technology, found on both the 24 V and 230 V versions, ensures maximum safety and control levels of the gate leaf movement. In fact, Ferni is tested according to strict European Regulation Standards on impact forces. So, installers get to use an extremely versatile operator and streamline the compliance certification procedures.

End-users get a state-of-the-art system designed to move already-installed gates and when the large size of pillars make installing other operators very complex or even impossible.

Flexible and efficient, the new Ferni is ready to always guarantee, even in special situations, performance levels which are safe, constant and controlled. Not only: for gate leaves of over 2 m in width and when applying close to fences or walls, Ferni's optional telescopic straight arm, cuts down on the space taken up when the gate leaf is open.

Ferni

electronics and technology

Besides its normal command and safety functions, Ferni's new electronics present many new features to allow you to have total control while optimising the service provided by the operator.

Display to view function programming.

Self-diagnosis of the safety devices connected to the installation.

ENCODER-based **electronic control**, for obstacle detection.

ENCODER-based **movement control**, for simple slow-down phase management.

Streamlined installation: just one four-conductor cable is required to supply power and handle slow-downs.

Memorises transmitters that have different codes (up to 250 users).

MADE IN ITALY, MADE IN CAME.

The 100% Made in Italy brand is testimony that Ferni, as are all Came products, stems from a manufacturing process designed to yield reliable and efficient products – all of which undergo stringent testing that simulate 10-15 years of working conditions and extreme temperature conditions. Included are specific and complete electromagnetic interference tests.

That's why, if properly installed, Ferni will last longer and problem-free, even in severe climates.

This confers prestige and confidence, safety and peace-of-mind to those installing this operator.

EN TESTED: SAFETY, UNEQUALLED.

The Ferni operator is branded EN Tested: this means it was made and tested according to the rigorous criteria expected by European Regulation Standards on impact forces. So, it is readily certifiable on-site by installers. Specifically, Ferni's control panel constantly monitors movement of the gate leaves via ENCODER. This is true for the 24 V and 230 V versions – giving a safe thrust, according to the currently in force EN12445 and EN 12453 technical regulations



The Ferni range

External 230 V AC operator and control panel, tested in compliance with EN 12453 – EN 12445

001 FE40230	Self-locking operator complete with articulated transmission arm for gate leaves of up to 4 m.	 
002 ZM3E	Multifunction control panel for two-leaf swing gates with signalling display, self-diagnosis of safety devices and built-in radio decoder.	

External 24 V DC operator and control panels, tested in compliance with EN 12453 – EN 12445

001 FE4024	Self-locking operator complete with articulated transmission arm for gate leaves of up to 4 m.	  
002 ZLJ14	Multifunction control panel for one-leaf swing gates with signalling display, self-diagnosis of safety devices and built-in radio decoder.	 
002 ZLJ24	Multifunction control panel for two-leaf swing gates with signalling display, self-diagnosis of safety devices and built-in radio decoder.	 

Accessories for: 002ZLJ14

002 LB90	Card for connecting n. 2 12 V – 1.2 Ah emergency batteries.	
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Accessories for: 002ZLJ24

002 LB180	Card for connecting n. 2 12 V – 1.2 Ah emergency batteries.	
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Accessories for: 001FE40230 and 001FE4024

001 FERNI-BDX	Right-hand telescopic straight transmission arm for gate leaves of up to 2 m.	
001 FERNI-BSX	Left-hand telescopic straight transmission arm for gate leaves of up to 2 m.	

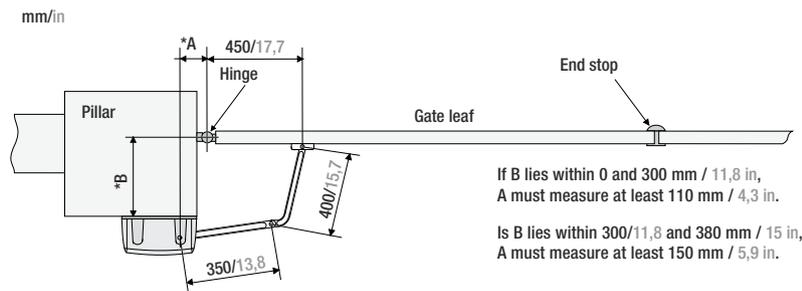
Accessories

001 LOCK81	Electric lock with single cylinder.	
001 LOCK82	Electric lock with double cylinder.	
001 H3000	Safety casing complete with release handle and command button for pull-cord release L = 5 m.	

Limits to use

MODEL	F1000 - F1100 - FE40230 - F1024 - FE4024			
Max length of gate leaf (m/ft)	4/13,1	3/9,85	2,5/8,2	2/6,5
Max weight of gate leaf (Kg/lb)	400/882	500/1102	600/1322	800/1764

● 230 V AC ● 24 V DC



Technical features

Type	F1000	F1100	FE40230	F1024	FE4024
IP Protection rating	IP54	IP54	IP44	IP54	IP44
Power supply (V – 50/60 Hz)	230 AC	230 AC	230 AC	230 AC	230 AC
Motor power supply (V – 50/60 Hz)	230 AC	230 AC	230 AC	24 DC	24 DC
Current draw (A)	1,3	1	1,2	15 Max	5
Power (W)	150	110	140	180	130
Opening time at 90° (s)	18	18	34	ADJUSTABLE	ADJUSTABLE
Duty cycle (%)	30	50	30	INTENSIVE USE	INTENSIVE USE
Torque (Nm)	320	380	540	470	360
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor Thermo-protection (°C)	150	150	150	-	-

● 230 V AC ● 24 V DC

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