



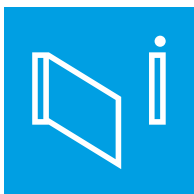
FROG

**Underground automations
for swing gates.**





FROG is the recommended underground solution for all swing gates with leaves up to 3.5 m long. The invisible automation makes it ideal for modern gates with an elegant design. The electromechanical movement is smooth in all operating situations, even the most extreme.



FROG

CHARACTERISTICS

- The invisible gate automation solution for gates in residential and apartment block settings.
- Foundation box in steel with anticorrosive treatment, or in AISI 304 stainless steel.
- High degree of protection from bad weather (IP67).
- Automatic reset of the system after manual gate release.
- Integrated, adjustable mechanical limit switches.
- Opens up to 180° (with FL-180 accessory).
- FROG-AE and FROG-A24E with encoder technology, tested in conformity with current regulations.
- Special lever for openings up to 180° for use in small gateways.
- Special steel foundation case with rustproof paint.
- Integrated adjustable leaf stop.
- The 24-volt versions can operate in emergency mode in the event of a blackout.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.



DESIGNED TO WITHSTAND ANYTHING

The stainless steel foundation case with anti-rust and cataphoresis treatment gives the product excellent durability characteristics (also available in AISI 304).

The IP67 protection rating makes the product extremely functional due to its water resistance, even in the harshest conditions.

SAFETY UNDER CONTROL

Encoder electronics ensure the safe movement of the leaf even when slowing down, thanks to the ability to accurately detect the presence of any obstacles.

The control panel performs regular self-diagnosis of safety devices (photocells and sensitive edges) before each gate movement.*

* (only ZLX230M - ZLX230S)

FROG TECHNOLOGY



GUARANTEED BY 24 VOLTS

The 24 or 36 V DC operators are suitable for HEAVY DUTY SERVICE and guarantee operation even in the event of a power failure.

The icon also means the product runs on low voltage



EN TESTED SAFETY

Operators tested for compliance with EUROPEAN REGULATIONS on impact forces.



ENCODER

Gearmotor or operator with ENCODER.



CAME CONNECT

Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY

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TRANSMITTERS



INFRARED



SELECTORS



A4370



FL-180



A4364



A4365



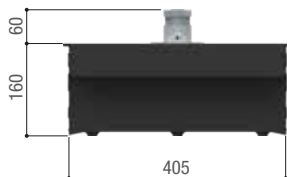
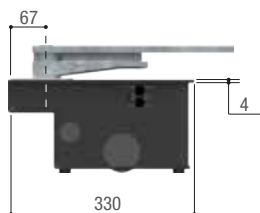
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SPECIAL LEVERS AND CUSTOMIZED RELEASE UNITS.

The optional special levers A4370 and FL-180 allow greater openings, up to 140° and up to 180°, respectively.

Customized release units also allow the use of lever key, trilobe key or DIN key depending on the user's needs.

COMPLETE RANGE



OPERATIONAL LIMITS

Maximum door-leaf length (m)	3.5	2.5	2	1.3
MODELS	FROG-AV			
Max leaf weight (kg)	-	-	-	300
MODELS	FROG-A • FROG-AE			
Max leaf weight (kg)	400	600	800	-
MODELS	FROG-A24 • FROG-A24E			
Max leaf weight (kg)	400	600	800	-
Max. leaf opening	110°			

TECHNICAL FEATURES

MODELS	FROG-AE	FROG-A	FROG-AV	FROG-A24	FROG-A24E
Protection rating (IP)	67	67	67	67	67
Power supply (V AC- 50/60 Hz)	230	230	230	230	230
Motor power supply (V - 50/60Hz)	230 AC	230 AC	230 AC	24 DC	24 DC
Current draw (A)	1.9	1.9	2.5	15 Max.	15 Max.
Power (W)	200	200	300	180	180
Opening time at 90° (s)	18	18	9	ADJUSTABLE	ADJUSTABLE
Cycles/hour	11	11	-	-	-
Torque (Nm)	320	320	320	320	320
Operating temperature (°C)	-20 to +55	-20 to +55	-20 to +55	-20 to +55	-20 to +55

● 230 V AC ● 24 V DC

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MORE THAN TECHNOLOGY

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