FROG

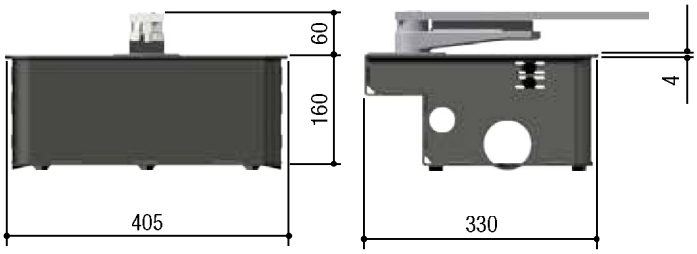
Gate leaves up to 3,5 m



Concealed solution for applying in private homes or apartment buildings

- The invisible solution to power your gate
- Protection rating against weathering agents IP67.
- Foundation box in steel with anticorrosive treatment, or in AISI 304 stainless steel.
- Automatic re-hooking of the release system after the gate manual maneuver.
- Integrated, adjustable mechanical limit switches.
- Opening up to 180° (with FL-180 accessory).
- Set up for operation in case of power outage in the 24 V DC versions.
- Developed with CONNECT technology for remote digital control via gateway or locally via CAME KEY.

Dimensions (mm)





A = Min. 67

Operational limits

MODEL				
		FROG-AV		
Max. width of leaf (m)				1,3
Max. weight of leaf (kg)				300
MODEL		FROG-A · FROG-AE		
Max. width of leaf (m)	*3,5	*2,5	2	-
Max. weight of leaf (kg)	400	600	800	-
MODEL		FROG-A24 · FROG-A24E		
Max. width of leaf (m)	*3,5	*2,5	2	-
Max. weight of leaf (kg)	400	600	800	-
Max. leaf opening (°)		110		

NOTES: * Fitting an electro-lock onto the leaf is advisable.

Technical characteristics

MODELS	FROG-AE	FROG-A	FROG-AV	FROG-A24	FROG-A24E
Protection rating (IP)	67	67	67	67	67
Power supply (V - 50/60 Hz)	230 AC	230 AC	230 AC	-	-
Power supply to motor (V)	230 AC	230 AC	230 AC	24 DC	24 DC
Absorption (A)	1,9	1,9	2,5	15 Max.	15 Max.
Power (W)	460	460	300	180	180
Maneuvering time at 90° (s)	18	18	9	ADJUSTABLE	ADJUSTABLE
Duty/cycle (%)	30	30	30	HEAVY-DUTY SERVICE	HEAVY-DUTY SERVICE
Cycles/Hour	11	11	-	-	-
Operating temperature (°C)	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55	-20 ÷ +55
Motor's heat protection (°C)	150	150	150	-	-

● 230 V AC ● 24 V DC

Code	Description	
230 V AC below-ground gearmotors		
001**FROG-A**	Underground irreversible geared-motor for swing gates up to 3.5 m in length per leaf, with adjustable leaf-closing.	
001**FROG-AV**	Underground irreversible geared-motor for swing gates up to 1.3 m in length per leaf, with adjustable leaf-closing (Rapid version).	
Control panels for 230 V AC gearmotors		
002**ZA3P**	Multifunction control panel for two-leaved swing gates, with limit-switch control and slow-down speed adjusting.	
Below-ground 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445		
001**FROG-AE**	Underground irreversible geared-motor with encoder for swing gates up to 3,5 m each leaf, with adjustable leaf-closing.	
Control panels for 230 V AC gearmotors, tested in compliance with regulatory standards EN 12453 - EN 12445		
002**ZM3E**	Multifunction control panel for swing gates with two leaves, graphic alerts display, self-diagnosing safety devices and on-board radio decoding.	
Below-ground, 24 V DC operators, tested in compliance with regulatory standards EN 12453 - EN 12445		
001**FROG-A24**	Irreversible gearmotor for swing gates measuring up to 3.5 m per leaf, with adjustable closing leaf-stop.	
001**FROG-A24E**	Irreversible gearmotor for swing gates of up to 3.5 m per leaf, with adjustable closing leaf-stop.	
Control panels for : 001FROG-A24		
002**ZL170N**	Control panel for one-leaf swing gates.	
002**ZL19N**	Control panel for swing gates with two leaves.	
Control panels for : 001FROG-A24E		
002**ZLJ14**	Multifunction control panel for one-leaf swing gates, with graphic programming and alerting display, and self-diagnosing safety devices.	
002**ZLJ24**	Multifunction control panel for swing gates with two leaves, graphic programming and alerts display, and self-diagnosing safety devices.	

THE COMPLETE RANGE

Code	Description	
Accessories for: 002ZL170N - 002ZL19N		
002**LB18**	Control card for operating during power outages and for recharging the batteries, with casing.	
Accessories for: 002ZLJ14		
002**LB90**	Circuit board for emergency operation and battery charging.	
Accessories for: 002ZLJ24		
002**LB180**	Circuit board for emergency operation and battery charging.	
Accessories for: 001FROG-A - 001FROG-AV - 001FROG-AE - 001FROG-A24E		
001**FL-180**	Drive chain lever for up to 180° openings and gate leaves of max. 2 m in length.	
Accessories		
001**FROG-CFNI**	Foundation box made of AISI 304 steel, with release latching lever, gate fastening brace and screw for adjusting the opening limit point.	
001**FROG-CFN**	Steel, cataphoresis treated foundation box, featuring release transmission, gate fastening brace and spring for adjusting the opening limit-switch point.	
001**LOCK81**	Single cylinder electric lock.	
001**LOCK82**	Double cylinder electric lock.	
001**A4364**	Release device with lever key.	
001**A4365**	Release device with trilobe key.	
001**A4366**	Release device with customized key and EURO-DIN cylinder.	
001**A4370**	Drive lever for openings of up to 140° and gate leaves of max. 2 m in length.	

NOTES:
002LB90 - 002LB180 - Two 12 V - 1,2 Ah or 7 Ah batteries (not supplied), on the 002ZLJ14 and the 002ZLJ24 fit a suitable outer brace.
002LB18 – With three 12 V - 6 Ah batteries there is a battery rack inside.
001FL-180 - 001A4370 - Accessories for 2-m long gate leaves.