



FROG PLUS

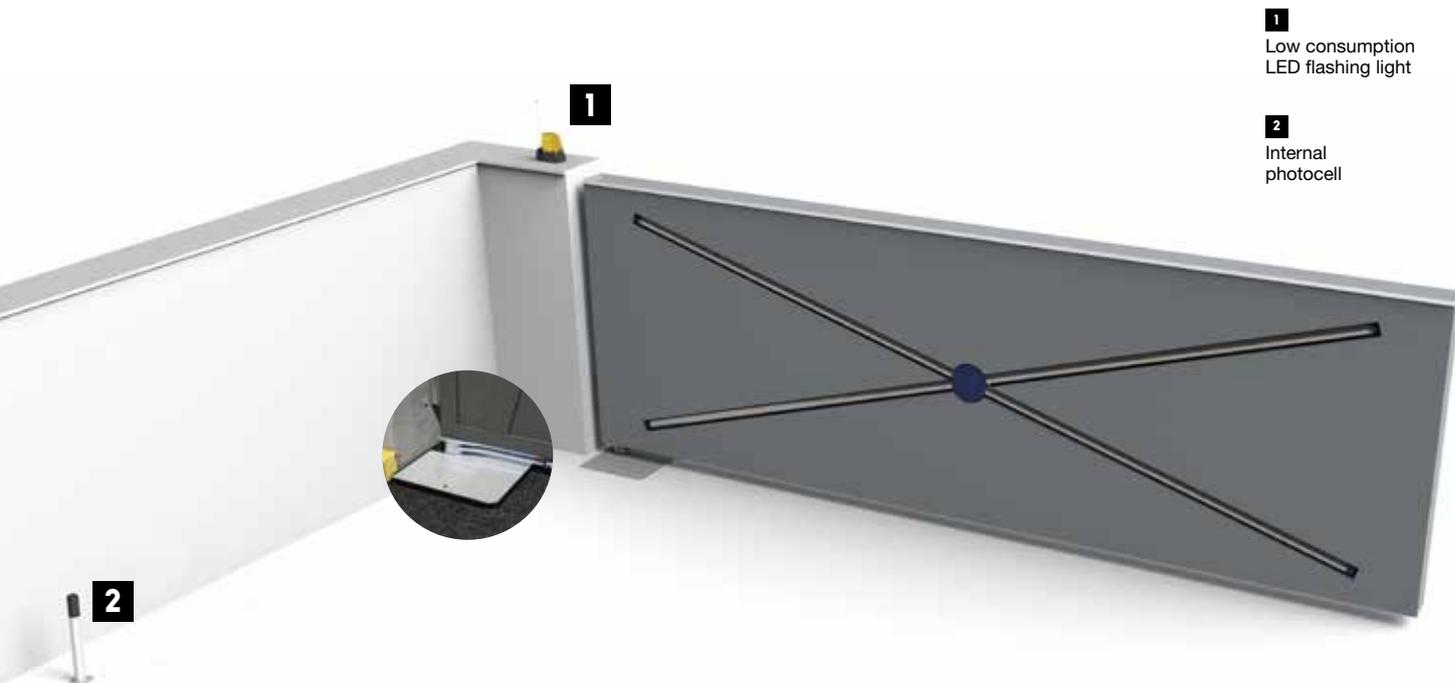
CONCEALED OPERATOR FOR LARGE SWING GATES.

Gates with leaf
up to 7 m in length

CAME 

[CAME.COM](https://www.came.com)



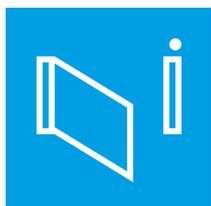


1
Low consumption
LED flashing light

2
Internal
photocell

UNMATCHED POWER.

FROG PLUS is the “concealed” solution, ideal for powering uncommonly large swing gates. The system, in fact, is suited for single gate leaves measuring up to 7 m (22.9 ft) in length.



THE BENEFITS OF CAME FROG PLUS

- Safety is ensured even when the gate is idle: each command is cancelled in case an obstruction is detected by the safety devices.
- High protection rating against weathering agents (IP67).
- Built-in opening and closing limit-switches for quick and easy adjustment of the leaf's stop point.
- Self-diagnosing safety devices.
- Display for programming and viewing features.
- Encoder-based gate travel control and obstruction detection.
- Memorizes differently coded radio commands (up to 250 users).



IT WITHSTANDS ANYTHING!

The rust-proof stainless-steel foundation box and cataphoresis treatment, give the product a high-degree of durability. Its IP67 protection rating means it is always perfectly functional, thanks to its impermeability, even in the worst of conditions.

INTERCHANGEABLE SUPPORTING PIVOT

The foundation box is fitted with a special interchangeable supporting pivot which is bolted onto the box. This makes for easy maintenance and replacement, in case of need, thus ensuring greater durability to the entire system.

THE NEW LIMIT-SWITCH SYSTEM

The gearmotor is fitted with a series of adjustable mechanical closing and opening limit-switches. There is also an additional accessory available: an electromechanical limit-switch to manage the gate leaves' stopping points. This is to avoid unwanted thrusts when the gate has reached the end of its travel.

FROG PLUS TECHNOLOGY



EN TESTED SAFETY

Operator tested in conformity with European standards on impact forces.



CAME CONNECT

This product can be remotely controlled via CAME Connect cloud technology.

READ UP AT CAME.COM ABOUT THE FULL RANGE OF CAME OPERATORS AND ACCESSORIES



TRANSMITTERS



PHOTOCELLS



SELECTORS
KEY-OPERATED



SELECTORS
WITH KEYPAD

CAME is a leading home-automation, industrial and special plant-technology projects manufacturing company. We provide full range of solutions: gate and garage door operators, shutter and awning winding-motors, home-automation control, burglar-proof systems, and video entry systems. Technology and reliability to serve your business with solutions designed for automating industrial doors, automatic doors, street barriers, turnstiles, access control and parking facility systems.

CAME.COM

CAME AUTOMATED OPERATORS AND ACCESS CONTROL

SLIDING GATE OPERATORS



SWING-GATE OPERATOR



AUTOMATED OPERATORS FOR SECTIONAL AND GARAGE DOORS



AUTOMATIC STREET BARRIERS



OPERATORS FOR INDUSTRIAL ENTRANCES



AUTOMATED OPERATORS FOR ROLLER SHUTTERS



AUTOMATIC TURNSTILES AND ACCESS CONTROL



AUTOMATIC PARKING SYSTEMS



ACCESSORIES



COMPLETE SYSTEMS



CUSTOMIZED ELECTRONICS FOR YOUR NEEDS!

FROG PLUS is available in the 230 V AC version.

The table shows the main characteristics of the control panel.

CONTROL BOARD / CONTROL PANEL

	ZM3EP
SAFETY FEATURES	
SELF-DIAGNOSING safety devices	■
PRE-FLASHING when opening and closing	■
REOPEN while closing	■
RECLOSE while opening	■
Obstruction WAIT	■
TOTAL STOP	■
PARTIAL STOP	■
OBSTRUCTION DETECTED in front of photocells	■
ENCODER	■
Device for CONTROLLING MOVEMENT and DETECTING ANY OBSTRUCTIONS	■
CONTROL FUNCTIONS	
PEDESTRIAN OPENING one gate leaf	■
PARTIAL OPENING one gate leaf	■
OPEN ONLY from transmitter and/or button	■
OPEN ONLY or CLOSE ONLY button connection	■
OPEN-STOP-CLOSE-STOP from transmitter and/or from button	■
OPEN-CLOSE-INVERSION from transmitter and/or from button	■
MAINTAINED ACTION from button	■
1ST GATE LEAF OPENING DELAY	■
2nd GATE LEAF OPENING DELAY	■
CHARACTERISTICS	
FLASHING LIGHT connection	■
CYCLE LAMP connection	■
COURTESY LAMP connection	■
Antenna connection	■
GATE OPEN FLASHING LIGHT connection	■
Contact output for 2nd RADIO CHANNEL	■
Adjustable WORKING TIME	■
transmitter RADIO CODE SELF-LEARNING	■
ELECTRIC LOCK and/or ANTI RAMMING connection	■
Adjustable AUTOMATIC RECLOSING TIME	■
OPENING and/or CLOSING slow downs	■
TRAVEL and SLOW-DOWN SPEEDS adjustable	■
DISPLAY	■
Self-learning opening and closing limit-switches	■
CAME Connect	■
CRP control	■

■ 230 V AC

THE RANGE



001FROG-PM4
Gearmotor
up to 5.5 m

001FROG-PM6
Gearmotor
up to 7 m

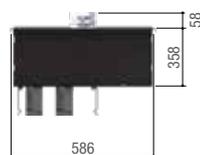
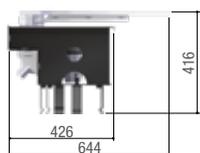


001FROG-PC
Foundation box



001ZM3EP
Multifunction
control-panel

DIMENSIONS (MM)



OPERATING LIMITS

MODEL	FROG-PM4				
Max. leaf width (m)	5.5*	4.5*	3.5*	2.5*	1.5
Max leaf weight (kg)	700	900	1100	1400	1800

MODEL	FROG-PM4			
Max. leaf width (m)	7*	6	5*	4*
Max leaf weight (kg)	550	650	800	1000

NOTES: * it is advisable to fit an electric lock on the leaf.

TECHNICAL FEATURES

MODELS	FROG-PM4	FROG-PM6
Protection rating (IP)	67	67
Power supply (V - 50/60 Hz)	230 AC	230 AC
Motor power supply (V)	230 AC	230 AC
Current draw (A)	5.1	2.6
Power (W)	1200	600
Maneuvering time at 90° (s)	30	45
Intermittence/Duty-cycle (%)	50	50
Torque (Nm)	800	800
Working temperature (°C)	-20 to +55	-20 to +55
Motor thermal protection (°C)	150	150

■ 230 V AC

TECHNOLOGY FROG PLUS



PRODUCT	EN TESTED	CAME
FROG-PM4	■	
FROG-PM6	■	
ZM3EP		■

The table above shows **only** the products associated with the above mentioned **CAME technologies**. The complete range of products is available in the General Catalog.

© KADENAOE18 - 2018 - EN

CAME reserves the right to make any changes to this document, at any time. Even partial reproduction is prohibited.

CE CAME.COM

CAME

CAME S.p.A.

Via Martiri della Libertà, 15
31030 Dosson di Casier
Treviso - ITALY

We are a leading multinational supplier of integrated high-tech solutions for automating residential, public and urban settings, which generate intelligent spaces for the wellbeing of people.

- GATE OPERATORS
- GARAGE DOORS AND INDUSTRIAL DOORS
- VIDEO ENTRY SYSTEMS KIT
- AUTOMATIC DOORS
- BURGLAR ALARM SYSTEM
- TURNSTILES AND ACCESS CONTROL
- HOME AUTOMATION
- BOLLARDS AND PERIMETER SECURITY
- TEMPERATURE CONTROL
- PARKING FACILITIES AND ROAD BARRIERS
- OPERATORS FOR AWNINGS AND SHUTTERS

