



Underground operator for swing gates of up to 1.8 m / 5,9 ft per gate leaf




Gate operators tested in compliance with European Standards on the subject of impact force.

Frog-J

The underground operator, unique and exclusive, requiring no prior fitting

Today the underground operator can be installed even without prior fittings or masonry work. All you need are 85 mm / 3.34 in to position this revolutionary system which blends aesthetic value into Came's technological edge.



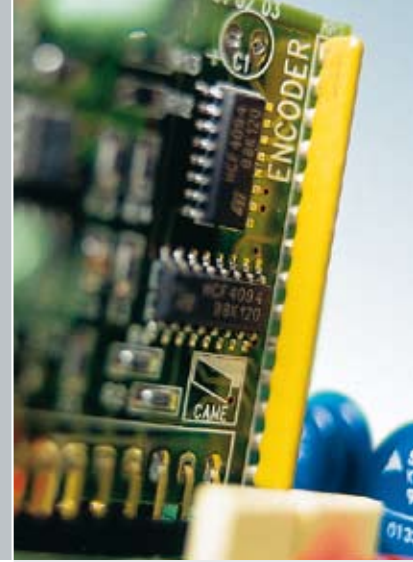

CAME
AUTOMATIC GATES

Frog-J

Just 85 mm of underground automation!

Came's latest solution for installing an underground operator even when gates are not previously fitted to do so. In fact, Frog-J needs very little space.

Requiring little, if any masonry work, it adds the value of an underground system to that of one with no extra costs. It's a Came solution!



The electronics

Besides the normal command and safety functions, Frog-J's electronics provides certain new additions which give you total control of the operator and an optimal service level, these being:

> Movement monitoring through ENCODER:

to control the gate's run, it's thrust and slow downs, while being totally safe for the user.

> Dedicated control panel:

which takes emergency batteries and recharge card to deal with blackout situations.

> Easier to install:

using just one tri-polar cable to handle the power supply and slow downs.

The range

FROG-J Operator with encoder.

FROG-JC Foundation case
ZL90 Control panel for two-leaf swing gates with built-in radio decoder.

LB90 Card for connecting up two 12V - 1.2Ah emergency batteries with rack.

A4617 Release group with customized key.



EN12445 - EN12453 compliant.
Through the encoder, the dedicated panel constantly controls the gate leaves' movement allowing for safe thrust, and is EU standard compliant.

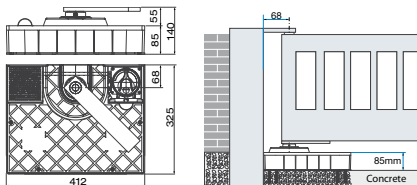
Innovative and exclusive integrated release system with custom key.

It is comfortable, safe, waterproof, and protected by its water sealed door. Which makes it easy to reach whether you are outside and inside the gate.

Blackouts no more!

Frog-J's 24V electronics will automatically read any power outages and turn on the emergency mode which runs on batteries added to the unit (accessories).

Dimensions



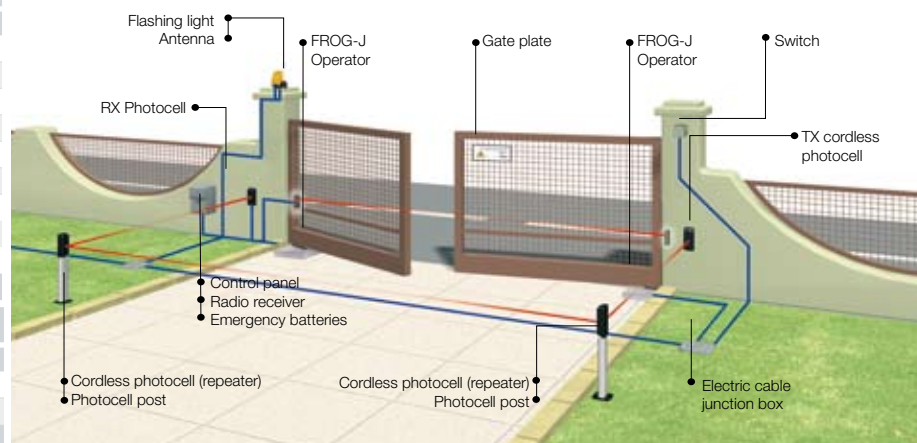
Technical features

| Type | FROG-J |
|-------------------------------|-----------------------|
| Protection rating | IP67 |
| Power supply (V) (50/60 Hz) | 230 A.C. |
| Motor power supply (V) | 24 D.C. |
| Current draw (A) | 10 max |
| Power (W) | 240 |
| 90° opening time (s) | ADJUSTABLE |
| Duty cycle (%) | INTENSIVE USE |
| Spinta (Nm) | 260 |
| Operating temperature (°C/°F) | -20 - +55 / -4 - +131 |

Limits to use

| Type | Max opening of gate leaf (°) | FROG-J |
|--------------------------|------------------------------|---------|
| Gate leaf width (m/ft) | 105° | 1.8/5.9 |
| Gate leaf weight (Kg/lb) | 105° | 200/441 |

Standard installation



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