Automatic parking barriers

CAME...naturally
CAME an international company that specialises in automations provides:

**Presence and assistance with an extensive distribution network**

CAME guarantees distribution in the domestic and international markets through its branches in Italy, France, Germany, Spain, Belgium, Poland, England and the United States, and through an extensive distribution and technical/sales assistance network, ready to satisfy the needs of the local installer/dealer.

- A range of CE certified products
- An ISO 9001-certified corporate quality system

**The products**

**GARD G 2500 Series**
Automatic parking barrier for fast passages up to 2.5 m [8ft]

**GARD G 4000 Series**
Automatic parking barrier for fast passages of intensive use up to 4 m [12ft]

**GARD G 6000 Series**
Automatic parking barrier for passages of intensive use up to 6.5 m [21ft]

**GARD G 12000 Series**
Automatic parking barrier for passages of intensive use up to 12 m [26 and 52 ft]

**CAT Series**
Automatic chain barrier for passages of intensive use up to 10 and 16 m

**UNIPARK Series**
Individual parking automation for single car parking spaces

**COMMAND accessories**

**SAFETY accessories**

**GARD G 4000 Series**
Automatic parking barrier for fast passages of intensive use up to 4 m [12ft]

**GARD G 12000 Series**
Automatic parking barrier for passages of intensive use up to 12 m [26 and 52 ft]

**More advantages with a CAME automatic system**

Everything is easier with "CAME" products, thanks to product conformation and fitting arrangements; CAME technology indeed offers diverse automation solutions depending on the application and the specific operating requirements. All the automation systems, complete with original CAME command and safety accessories, are guaranteed for an intensive operation and do not require periodical maintenance.
**Automatic parking barriers**

**G 4000 / G 4001**

The automatic FAST barrier for passages up to 4 m [12ft], with an extra feature: the power supply at 24V.

Essential for passages of intensive use, the low voltage technology allows you to obtain maximum efficiency with control features and complete safety.

### Technical characteristics

<table>
<thead>
<tr>
<th>Type</th>
<th>G 4000 / G 4001</th>
<th>G 2500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class of Operation</td>
<td>N. W. W</td>
<td>N. W.</td>
</tr>
<tr>
<td>Protection level</td>
<td>IP 54 (NEMA 3)</td>
<td>IP 54 (NEMA 3)</td>
</tr>
<tr>
<td>Weight</td>
<td>47 Kg [104 Lbs]</td>
<td>39.5 kg [87 Lbs]</td>
</tr>
<tr>
<td>Power supply</td>
<td>120/230VAC, 24VDC</td>
<td>120/230VAC, 24VDC</td>
</tr>
<tr>
<td>Motor power supply</td>
<td>24VDC</td>
<td>120/230VAC</td>
</tr>
<tr>
<td>Current Draw</td>
<td>1.3A-2.38V [7.6A-120V]</td>
<td>1.3A-2.38V [7.6A-120V]</td>
</tr>
<tr>
<td>Motor power</td>
<td>300W</td>
<td>120W</td>
</tr>
<tr>
<td>Torque</td>
<td>200 N.m [1770 in-Lbs]</td>
<td>200 N.m [1770 in-Lbs]</td>
</tr>
<tr>
<td>Opening time</td>
<td>2-6 sec</td>
<td>2 sec</td>
</tr>
<tr>
<td>Operative intermence</td>
<td>intensive operation</td>
<td>intensive operation</td>
</tr>
<tr>
<td>Safety/accident</td>
<td>30%</td>
<td>30%</td>
</tr>
</tbody>
</table>

### General indications for use

<table>
<thead>
<tr>
<th>Type</th>
<th>G 4000 / G 2500</th>
<th>G 2500</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm without accessories</td>
<td>4 m Max. [12ft]</td>
<td>2.5 m Max [8ft]</td>
</tr>
<tr>
<td>Arm with橡胶, lights</td>
<td>3.5 m Max. [12.5ft]</td>
<td></td>
</tr>
<tr>
<td>Arm with moveable base or rack</td>
<td>3 m Max. [9.8ft]</td>
<td></td>
</tr>
<tr>
<td>Arm with rubber, lights + rack or moveable base</td>
<td>2.5 m Max. [8ft]</td>
<td></td>
</tr>
</tbody>
</table>

### Size measurements

**G 2500**

The simplified version at 230V (120V) for fast passages

G 2500 is the fast barrier in the GARD series for passages up to 2.5 m [8ft].

The most simple automation solution to adopt. The ideal selection for small passages for private and small condominum use.

As for all the models in the GARD series, G 2500 can be fitted with the low ceiling folding arm articulation for applications inside buildings and when ceilings are present.

### Applications

**G 2500**

Arm with rubber, lights + rack or moveable base

**GARD systems so that they can be fitted with a tubular arm.**

**Self Locking Mechanism**

All the versions in the GARD series feature self-locking gears that lock the arm both in the open and closed positions.

In case of power failure the arm can be raised or lowered manually, without opening the cabinet, thanks to a lock mechanism situated outside the cabinet.

### Main safety features

The electronic control panel, with its adjustment system, allows:

- the adjustment of the speed;
- the adjustment of the approach speed;
- the detection of an obstacle thanks to the inherent obstacle detection device system, that provides for the immediate reversal or stop of the movement.

But an automatic system at 24V DC means above all a system operating in complete safety. The motor and all the command and safety accessories are completely powered at 24V DC in direct current.

### Typical Installation

1. Post H= 0.5 m [20”]
2. Safety photocell
3. Flashing lamp
4. Antenna
5. Fixing support
6. Safety photocell
7. Folding Arm articulation
8. Aluminium arm
9. Reflective tape
10. Rubber bumper strip
11. Magnetic loop sensor
12. Transmitter
13. Column H= 1 m. [39.5”]
14. G 4000 unit
15. Control board
16. Radio receiver
17. Magnetic key reader
18. Key switch
19. Emergency batteries
20. Key box
21. G 2500 unit
22. Column H= 1 m [39.5”]
Automatic parking barriers

G 6000 / G 6001

The G 6000 series is suitable to cover passages up to a maximum of 6.5 metres (21 ft), a selection typical of industrial and gated communities.

Same as with the other versions in the GARD series, the G 6000 features the advantages of the CAME automatic systems with a low voltage motor, combining high reliability with extreme safety.

• A complete automation
  All the components essential for operation even in the event of POWER FAILURE are assembled inside the structure. In addition, to the motor and the command logic, the G 6000 is designed to house the optional emergency batteries.

• Reliability and duration even in the presence of strong atmospheric agents
  The structure of the GARD systems is made entirely from galvanized steel with a polyester powder-based RAL 2004 paint finishing. For applications in areas subject to strong corrosive agents, such as smog and salinity, the G 6001 version is available in glazed stainless steel for a lasting working life. Also for areas subject to strong winds, CAME has designed the GARD systems so that they can be fitted with a tubular arm.

• Main safety features
  The electronic control panel, with its adjustment system, allows:
  - the adjustment of the speed;
  - the adjustment of the approach speed;
  - the detection of an obstacle thanks to the inherent obstacle detection device system, that provides for the immediate reversal or stop of the movement;
  - the connection of photocells or safety loop sensors.

  But an automatic system at 24V means above all a system operating in complete safety.
  The motor and all the command and safety accessories are completely powered at 24 V.D.C.

Technical characteristics

<table>
<thead>
<tr>
<th>Type</th>
<th>G 6000 / G 6001</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class of Operation</td>
<td>III, IV</td>
</tr>
<tr>
<td>Protection level</td>
<td>IP54 (NEMA 3)</td>
</tr>
<tr>
<td>Weight</td>
<td>72 kg (159 lbs)</td>
</tr>
<tr>
<td>Power supply</td>
<td>120/230VAC, 24VDC</td>
</tr>
<tr>
<td>Motor power supply</td>
<td>24VDC</td>
</tr>
<tr>
<td>Current Draw</td>
<td>1,3A:230V (0,4A:120V)</td>
</tr>
<tr>
<td>Motor power</td>
<td>15A:24VDC</td>
</tr>
<tr>
<td>Torque</td>
<td>300N.m</td>
</tr>
<tr>
<td>Opening time</td>
<td>2-3 sec</td>
</tr>
</tbody>
</table>

General indications for use

<table>
<thead>
<tr>
<th>Type</th>
<th>G 6000 / 1</th>
</tr>
</thead>
<tbody>
<tr>
<td>Arm without accessories</td>
<td>6,5 m Max. (21 ft)</td>
</tr>
<tr>
<td>Arm with rubber, lights</td>
<td>6 m Max. (19.5 ft)</td>
</tr>
<tr>
<td>Arm with moveable base or rack</td>
<td>6 m Max. (19.5 ft)</td>
</tr>
<tr>
<td>Arm with rubber, lights + rack or moveable base</td>
<td>6 m Max. (19.5 ft)</td>
</tr>
<tr>
<td>Arm with rack + base or moveable base</td>
<td>6,5 m Max. (21 ft)</td>
</tr>
<tr>
<td>Arm with rubber, lights + rack + moveable base</td>
<td>5 m Max. (16 ft)</td>
</tr>
</tbody>
</table>

Size measurements

Typical installation

1. Column H= 0.5 m
2. Safety photocell
3. Flashing lamp
4. Antenna
5. Piling support
6. Morack
7. Moveable base
8. Aluminium bar
9. Signalling lamps
10. Phosphorescent strips
11. Magnetic detection sensor
12. Transmitter
13. Branch pit
14. G 6000 unit
15. Control board
16. Radio receiver
17. Emergency batteries
18. Code switch / Key switch
19. Magnetic key reader
20. Column H= 1 m
21. Column H= 2 m
22. Column H= 1.5 m
23. Column H= 2.5 m

• A versatile, automatic system
  - Protective shock resistant bumper rubber;
  - Intermittent signalling lamps;
  - fixed and moveable bar bases;
  - racks;
  - folding arm articulation;
  - supports for mounting photocells and flashing lamps.

  These are just some of the specific accessories for automatic barriers, designed to offer the appropriate service to all types of application requirements. They also simplify the installation and reduce the costs of the system, as well as accepting inputs from any access control system: radio transmitter, card reader, telephone entry or safety device loops or photocells.
The functionsthe functions

• Given the type of applications, the G 12000 automation system has a command logic of the newest generation that provides all the safety functions such as: electronic obstacle detection (immediate stop of the movement in this case).

• Intensive use operation, even in emergency situations such as power failure. Similar to all other models in the GARD series, the G 12000 can be placed beside a second barrier to manage separate entrances and exits or even for master slave operation.

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**Technical characteristics**

<table>
<thead>
<tr>
<th>Type</th>
<th>G 12000</th>
</tr>
</thead>
<tbody>
<tr>
<td>Class of Operation</td>
<td>II, III, IV</td>
</tr>
<tr>
<td>Protection level</td>
<td>IP54 (NEMA 3)</td>
</tr>
<tr>
<td>Weight</td>
<td>783 Kg [1723 lb]</td>
</tr>
<tr>
<td>Power supply</td>
<td>120VAC/230VAC/24VDC</td>
</tr>
<tr>
<td>Motor power</td>
<td>300W</td>
</tr>
<tr>
<td>Torque</td>
<td>15 Nm (24lb-in)</td>
</tr>
<tr>
<td>Opening time</td>
<td>10 sec</td>
</tr>
</tbody>
</table>

**Size measurements**

- 1200 mm - 39"
- 600 mm - 23 5/8"
Automatic chain barrier

CAT

A CAME project, UNIQUE and PATENTED, that has great use in the delimitation of private public parking, with one or more car parking spaces. A highly technological product studied with a design that complies with the most demanding architectural contexts. Also available with low voltage motor.

- Why and when to choose the 24 V version:
  - to guarantee its operation even when power is unavailable; CAT X24 can function with emergency batteries or powered from a UPS;
  - for the possibility of adjusting the operating speed depending on whether the particular needs require a slow or fast opening operation;
  - as an extra safety measure an amperometric device, managed by the control board, electronically detects an obstacle and blocks the movement of the chain;
  - for intensive use, the motor allows intensive operating cycles thanks to its low voltage;
  - for complete safety, all the devices connected in the system are powered at low voltage.

- Everything is simpler even when power is unavailable
  During closure the chain remains completely firm, thus guaranteeing its function. In the event of black out and for all emergency situations the appropriate safety padlock with personalised key allows the immediate release of the chain.

But also an additional service
The chain barrier is also the ideal solution for the delimitation of areas or parking lots where you want to prevent use by unauthorized personnel or at prohibited times such as in:
- shopping centres
- Driveways
- Offices, banks, drive thru
UNIPARK

To reserve a car parking space is now possible: UNIPARK is an automatic barrier that enables you to protect your reserved parking space and leave your vehicle with an additional security measure. With UNIPARK you can park automatically at a click of a button without getting out of the car.

- **UNIPARK** is a totally safe and reliable automation system. Thanks to the simplicity and safety of its 24v design and the intelligent electronics built into its control panel the system features:
  - the immediate stop of the operator upon sensing an obstacle, thanks to the electronic amperometric detection device managed by the command electronics;
  - maximum safety for the operator and for the end user; all the devices are powered at low voltage;
  - the guarantee of operation even without electric power supply; the unit can be powered and operated with emergency batteries or by connecting it to a UPS.
- **UNIPARK** is a self locking automation that can however be manually released by means of a special key.

- **Maximum versatility**
  Even if the radio transmitter is the most convenient method for the user, the command logic accepts the input of external devices and a complete range of CAME accessories, of your choice, such as key or code selectors, proximity cards and much more.
  Each automation can also be connected to various CAME access control systems that can identify, memorize and allow entry or exit exclusively to authorized personnel.

**UNIPARK L**

In addition to the standard version, the system is also available with enlarged barrier, for better coverage of the area to be reserved.
Not just automation but also a complete control:

Each automatic opening device can be connected to the various CAME access control systems that can identify, memorise and allow entry or exit exclusively to authorised personnel. The equipment can also be integrated to any access control system or biometric, telephone entry system, etc.

Comfort and safety with one simple hand movement:

Opening the motor-driven system via remote control has become much easier:

For all types of requirements, different radio systems are available depending on size, frequency and operating performances.

In particular, each type of radio device offers different management and safety features depending on the type of application (management of private or multi-use passages).

But now the radio signal is even safer thanks to ATOMO.

ATOMO is CAME’s newest generation of radio transmitters: a combination of Design and Technology. An instrument that is elegant, ergonomic, researched for its materials, but above all safe: the Rolling code technology used in ATOMO guarantees maximum safety and secrecy of the transmitted signal. With every pulse, the transmitter emits a different code from more than 4 billion combinations thanks to an algorithm that only the respective receiver can identify, using a double check of the decoding signal. Rolling code technology excludes any possibility of the transmitter being cloned.

With CAME systems, the automatic command can also be carried out through a complete range of devices, such as:

- Custom key selectors, in versions for flush-mounted assembly or from outside;
- Volumetric sensors, for making the opening command as easy as possible;
- Magnetic key and proximity card readers;
- Magnetic loop sensors, for the magnetic detection of the vehicle, etc.

Convenience and safety:

It is mandatory to install all the safety accessories recommended by the UNI B612 standards in force for all automation systems.

By choosing an automation system complete with all its control and safety accessories, CAME guarantees total safety and maximum convenience on all products installed.

16,777,216 combinations:

Command the opening of the CAME automation thanks to a PERSONALIZED CODE of your choice. With CAME keypads safety and secrecy is protected by well over 16 million combinations, and by the ELECTRONIC ANTITAMPERING construction system with which they have been designed.

Models available in surface and flush mount versions all for outdoor use, illuminated and also in the special WIRELESS version.

Kiaro I: unique and intelligent:

Safety, but also an additional service with the new CAME flashing lamp that, in addition to signalling the movement, memorises the number of cycles operated by the automation system and automatically signals when the predetermined threshold has been reached.

With KIARO I, the operator can program a general checking of the system when the pre-established number of cycles has been reached. The number of cycles that can be programmed is five thousand, ten thousand, twenty thousand or fifty thousand, depending on the type of application or the operating requirements.

Greater safety with CAME automatic systems:

Safety systems are doubtlessly the most important devices in an automation where safeguarding people and vehicles is fundamental. The movement signaling flashing lights and the new ANTI-COLLISION beams of the special photocells are indispensable in a gate system complying with the safety regulations in force.

Safety edges are also necessary when the gate automation does not include certain safety parameters or when installed for special applications.

The infrared photoelectric edges offered by CAME guarantee a more effective solution for numerous active protection needs required by the UNI B612 safety standards in force.

Operation with these devices is guaranteed even in cases where the rubber section is damaged; they may be applied either on the moving gate or the fixed parts, in lengths up to 8 m (26 ft).

Consult the CONTROL ACCESSORY and SAFETY catalogue to see our complete selection of original CAME accessories and decide the best solution for your needs. The automation system of your choice will offer you total safety and maximum convenience.
The range of CAME automatic systems includes:

- Automation for sliding gates
- Automation for swing gates
- Automation for garage and sectional doors
- Automation for shutters and industrial gates
- Automation for car parks and street barriers
- Automatic Pedestrian doors
- Systems for access control
- Accessories for safety