

● Features

- Low maintenance with high reliability
- Easy installation
- New style mounting plate with increased immobility
- Aluminum anodized casing
- MOV prevents spike and surge current
- Dual voltage 12/24 VDC

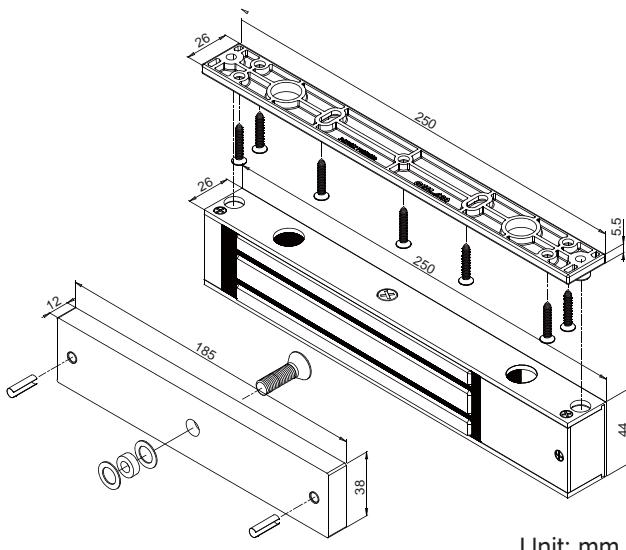
● Statement

The GEM-600 is a mini size fail-safe electromagnetic lock of high quality. The lock features a new style mounting plate and operates on either 12 or 24 VDC. The mounting plate is designed with increased thickness of screw holes in order to provide lock body with more immobility and strength.

● Specification

- Operating Voltage: 12/24VDC
- Current Draw: 500mA/12VDC; 250mA/24VDC (at 20°C)
- Operating temperature: -10~55°C (14~131°F)
- Humidity: 0~95% non-condensing
- Holding force: up to 600lbs (equivalent of 272kg)
- Dimensions:
 - Magnet : (L) 250, (W) 26 , (D) 44mm
 - Armature plate: (L) 185, (W) 38 , (D) 12mm
 - Mounting plate: (L) 250, (W) 26 , (D) 5.5mm
- Finish for magnet and armature plate is zinc plated.
- Epoxy potting compound rating: E87252 (S) , UL94V-0
- Net Weight: 2.13 kg

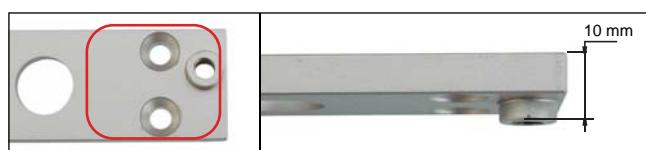
● Dimensions



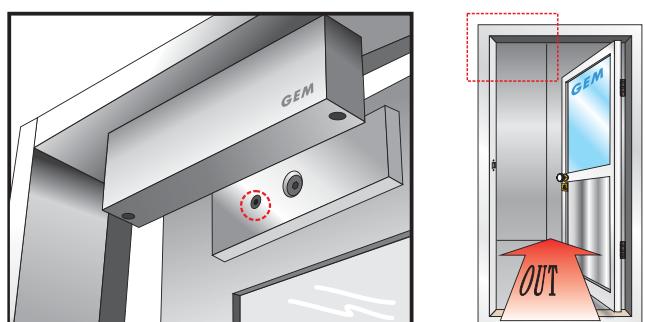
● New style mounting plate (patented)



10mm thickness to increase immobility and strength



● Regular Installation



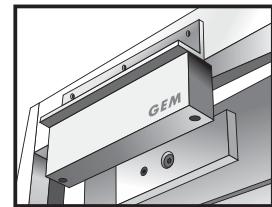
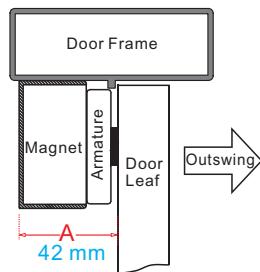
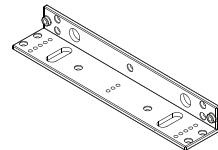


Optional PCB

<p>1</p>  <p>GEM-600 12 or 24VDC: Set by jumper</p>	<p>2 Default</p>  <p>GEM-600 12/24VDC: Auto Voltage Selector Locked/Unlocked status reed switch output</p>
<p>3</p>  <p>GEM-600M 12/24VDC: Auto Voltage Selector LED indicator Locked/Unlocked status monitoring</p>	<p>4</p>  <p>GEM-600MTD 12/24VDC: Auto Voltage Selector LED indicator Locked/Unlocked status with relocking time delay</p>

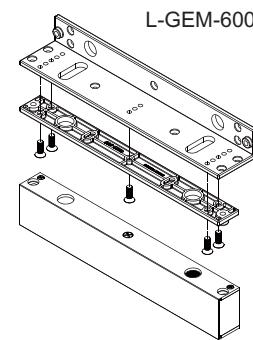
Outswing doors: L-brackets are recommended for narrow frame doors.

When the door frame thickness (marked 'A') is less than 42 mm L-GEM-600 bracket should be used to enable installation.



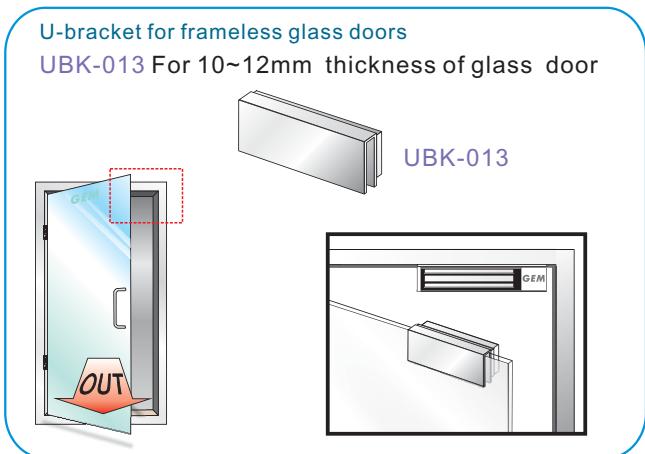
L-GEM-600

The mounting plate should be screwed to the L-bracket prior to installing the L-bracket. After the L-bracket is installed the magnet can then be screwed to the L-bracket.

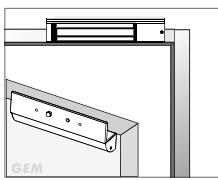
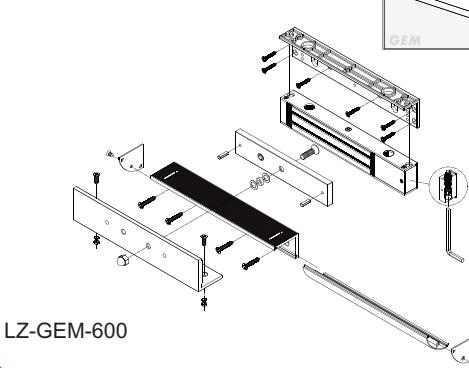


Optional Brackets

An appropriate bracket complements the magnetic lock. Brackets are selected according to the direction of door swing, the thickness of door frame and the materials of the doors.



Inswing doors: LZ-brackets are recommended for doors that open inwards.



● Optional Features

xxxxx-M: Bond sensor output



Bond sensor output
SPDT rated: 0.5A/125VAC; 1A/24VDC

Indicate the locked & unlocked status with visible LED indicator.

xxxxx-BZ: Buzzer Alarm



The alarm sounds when the door is not closed and that has exceeded a specified time limit. VR timer is adjustable from 1 to 20 seconds.



xxxxx-TD: Relock time delay

Ensure the automatic lock mode after the door is closed properly and it can be adjusted from 1 to 80 seconds.

xxxxx-DS: Door Status

Door Status Sensor indicates the door position (open/closed).

Optional accessories (TLM-100MTS/TLM-200) offer higher security control through remote monitoring.

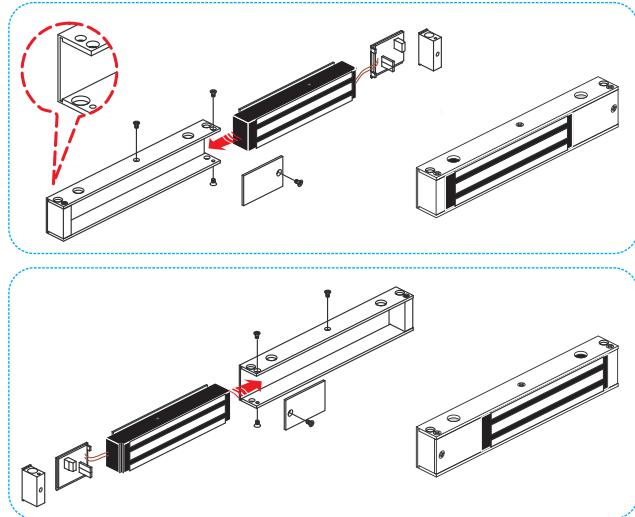
Door status output: SPDT rated: 0.2A/12VDC



The armature plate is covered by a plastic housing.

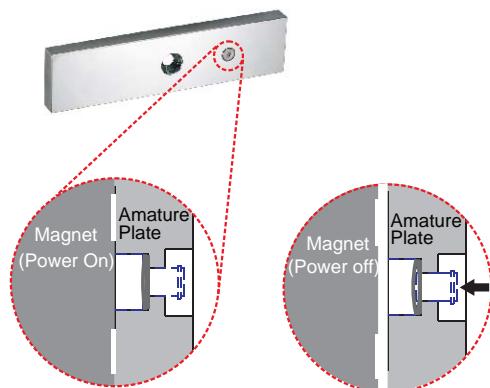
● Magnet Reversible on site

Magnet can be installed in direct or reversible direction installation



(GEM-600M Excluded)

● Standard Installation



Anti-Residual Magnetism design

Our electromagnetic locks feature Anti-Residual Magnetism (ARM) which ensures the door can be opened without any resistance from leftover magnetism imparted to the armature plate.

● Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 5 years from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.