



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 (auto-switchable)

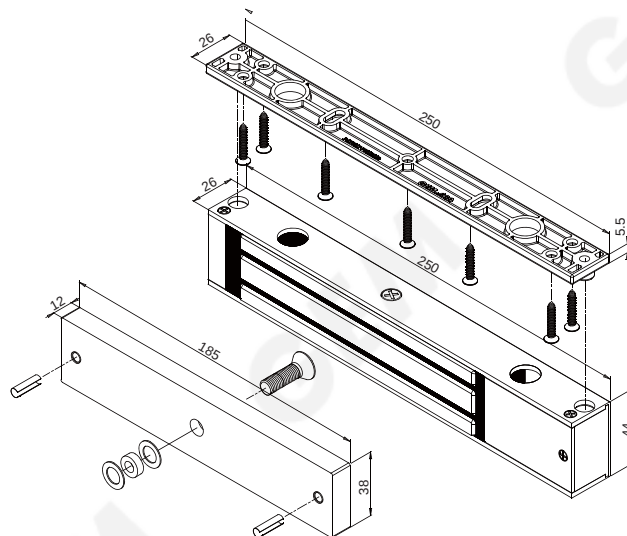
Statement

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 (auto-switchable)
- 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) 44 , (D) 26mm
 - 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



Unit: mm

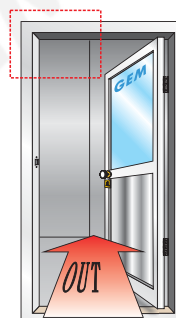
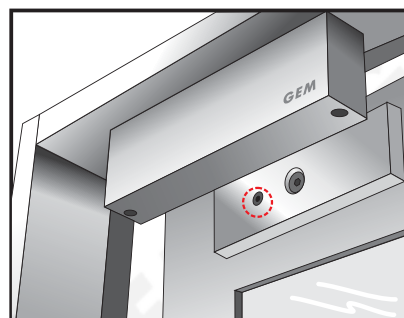
New style mounting plate (patented)



10mm thickness to increase immobility and strength



Regular Installation



Optional PCB

1



GEM-600
12 or 24VDC: Set by jumper

2 Default



GEM-600
12/24VDC: Auto Voltage Selector
Locked/Unlocked status reed
switch output

3



GEM-600M
12/24VDC: Auto Voltage Selector
LED indicator
Locked/Unlocked status monitoring

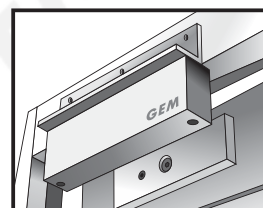
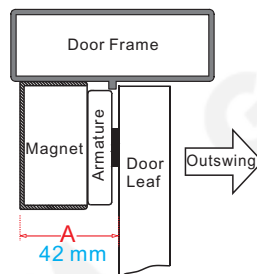
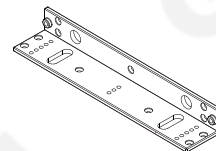
4



GEM-600MTD
12/24VDC: Auto Voltage Selector
LED indicator
Locked/Unlocked status with
relocking time delay

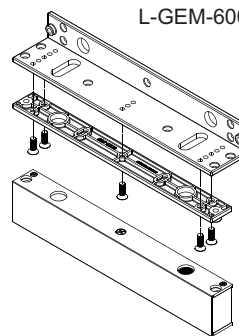
Outswing doors: L-brackets are recommended for narrow frame doors.

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.

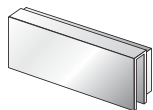


Optional Brackets

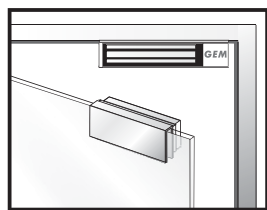
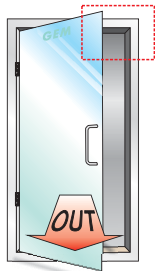
A appropriate bracket complements the magnetic lock. Brackets are selected according to the direction of door swing, the thickness of door frame and the materials of the doors.

U-bracket for frameless glass doors

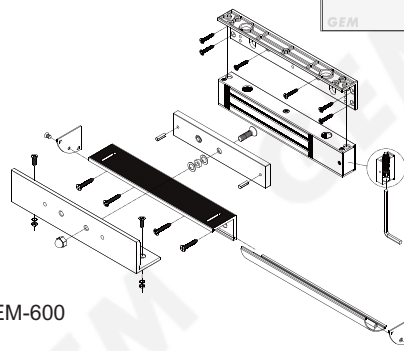
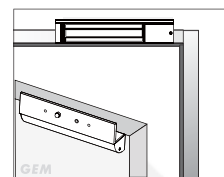
UBK-013 For 10~12mm thickness of glass door



UBK-013



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



LZ-GEM-600

Optional Features

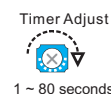
xxxxx-M: Bond sensor output



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

Indicate the locked & unlocked status with visible LED indicator.

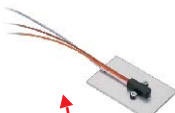
xxxxx-TD: Relock time delay



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.



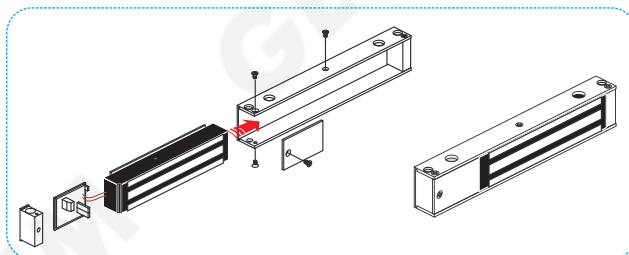
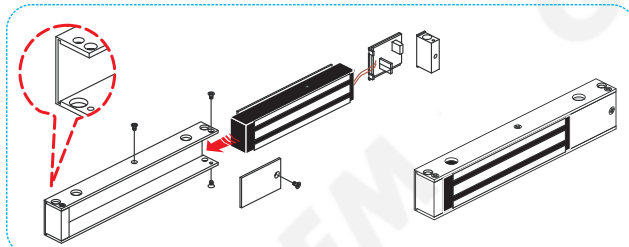
Door status output: SPDT rated: 0.2A/12VDC



The armature plate is covered by a plastic housing.

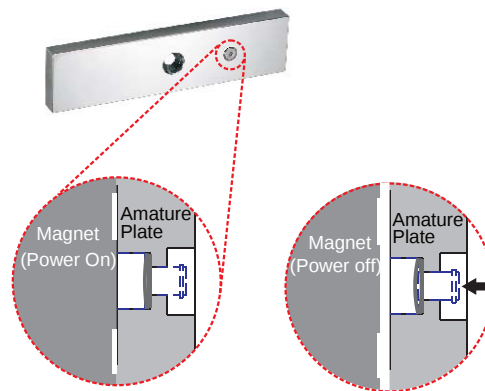
Magnet Reversible on site

Magnet can be installed in direct or reversible direction installation



(GEM-600M Excluded)

Standard Installation



Anti-Residual Magnetism design

Our electromagnet 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.

GIANNI INDUSTRIES, INC.