



### Statement:

EML-ML mini mortice indoor Electromagnetic Locks are manufactured under GEM's ISO 9001 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction.

The fail-safe Electromagnetic Lock design with no mechanical bolt and depending on the powerful magnetic force to secure and release the door are suitable for use in areas which required security controlled access or egress such as sliding gate etc.

The Electromagnetic Locks are totally sealed in an epoxy filled stainless steel case for water-resistant and vandal-resistant purpose. A threaded conduit fitting ensures weather resistant protection of the wiring therefore it is ideal for indoor and outdoor applications, even in severe weather.

The model offers up to 600 pounds holding force with field selectable for 12V or 24V DC dual voltage. It is the best choice for electronic security industry and system integrators.

### Specifications:

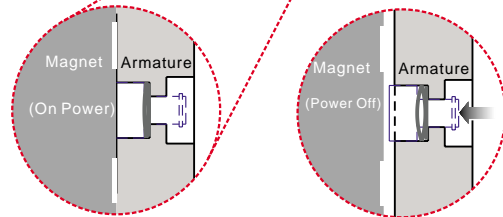
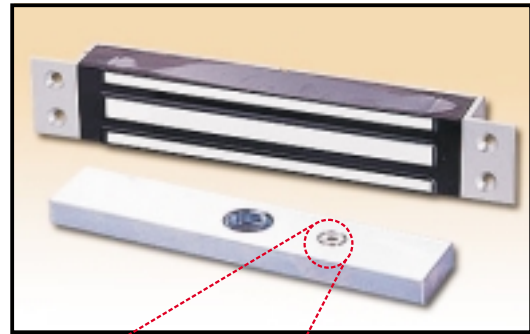
- Voltage Tolerance:  $\pm 15\%$
- Current Draw: 500mA@12Vdc ; 250mA@24Vdc (at temperature 20°C)
- Magnetic bond sensor monitor output (10000R) (SPDT rated 0.25A@12V DC), remotely monitors the door lock or unlock status. (N.C. Output--Door opened; N.O. Output--Door closed)
- Operating Temperature: -10~55°C (14~131°F)
- Humidity: 0~95% non-condensing.
- Lock's surface Temperature (when the power is on):  $\leq$  current temperature +20°C
- Holding Force: Up to 600 lbs (272 Kg)
- Dimensions:
  - Magnet:(L) 230, (W) 38, (D) 27 mm
  - Armature Plate:(L) 185, (W) 38, (D) 12 mm
- Special Finishes for magnet and armature plate: Zinc
- Epoxy Potting Compound: E87252 (S), UL94V-0
- Weight (Approx.): 2.0 Kg

### Warranty:

GEM Electromagnetic Locks are 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.

### Disclaimer:

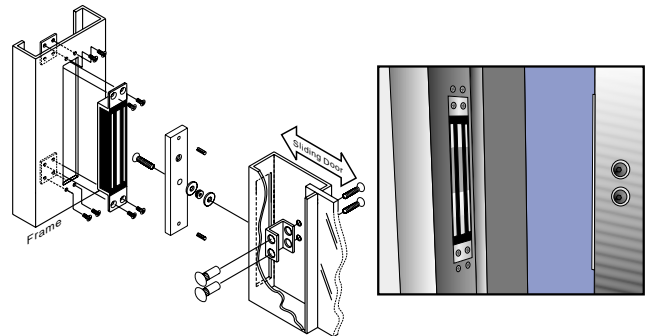
The information and specifications printed in this manual are current at the time of publication. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.



### Unique Anti-Residual design

When there is no power, there will be no holding force, and the push-off button inside the Armature Plate will pop out immediately to release the Electromagnetic Lock and the Armature Plate. The instant release circuit function will prevent residual magnetism between Electromagnetic Lock and the Armature Plate.

### Regular Installation



### Optional Brackets:

Identify the door swinging direction and inspect the door frame header to determine if bracket is required.

#### With EML-MLB bracket for sliding doors

