

Statement:

10010ST standard surface water-proof Electromagnetic Locks are manufactured under GEM's ISO 9001 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction. They are highly reliable, warranted for 5 years life.

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 exit door.

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 1200 pounds holding force with 12V DC power input (24V DC or 12/24V DC dual voltage available by special order), and it can be applied with access control, and with the full range of optional brackets, it can be installed on any type of door frames such as narrow door frame or in-swinging door. It is the best choice for electronic security industry and system integrators.

Specifications:

- Voltage Tolerance: $\pm 15\%$
- Current Draw: 250mA@12Vdc (at temperature 20°C)
- Magnetic bond sensor monitor output (10020ST) (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: 1200 lbs (545 Kg)
- Dimensions:
 - Magnet:(L) 220, (W) 68, (D) 41 mm
 - Armature Plate:(L) 185, (W) 62, (D) 16 mm
- Special Finishes for magnet and armature plate: Zinc
- Epoxy Potting Compound: E87252 (S), UL94V-0
- Weight (Approx.) : 5.0 Kg

Warranty:

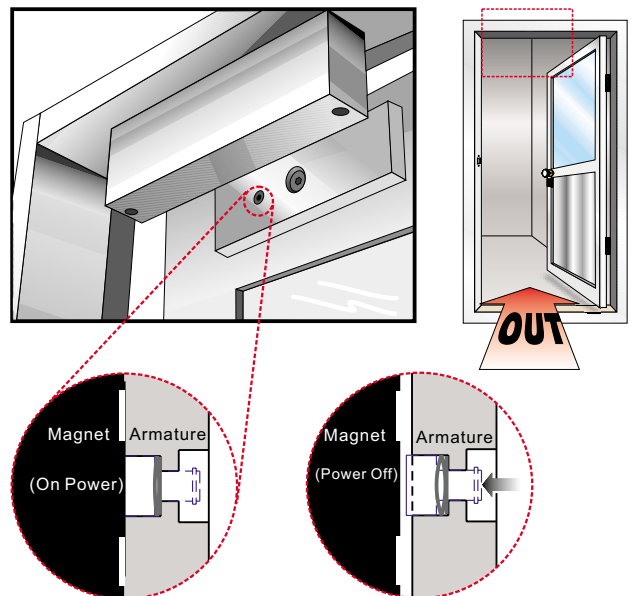
GEM Electromagnetic Locks are warranted against defects in material and workmanship while used in normal service for a period of 5 years from the date of sale to the original customer.

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.



Regular Installation



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.

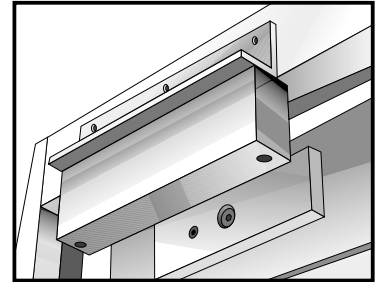
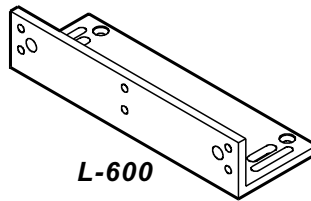
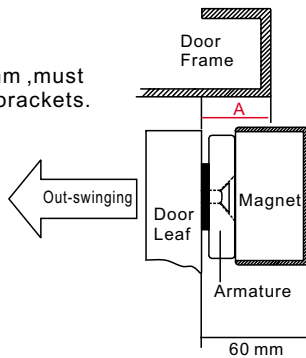


Optional Brackets:

Identify the door swinging direction and inspect the door frame header to determine if bracket is required. A L- brackets, LZ- brackets may be required for the electromagnet depending on the frame header and swinging direction.

With L-bracket for narrow door frames

When "A" < 60 mm ,must installed with "L" brackets.



With LZ-bracket for in-swinging doors

