

“Choose **PSA**”

GEM10020 STANDARD ELECTROMAGNETIC LOCK

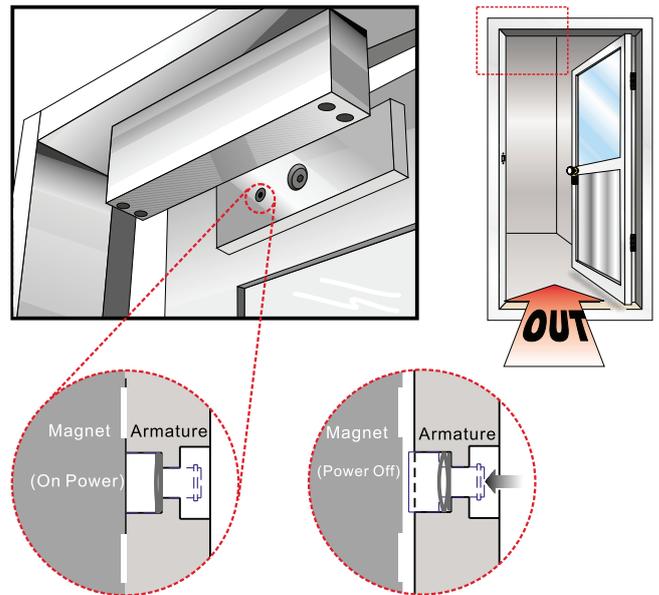
10020 standard electromagnetic locks are manufactured under GEM's ISO 9001 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction. The fail-safe Electromagnetic Lock design with no mechanical parts but magnetic force to secure and release the doors, suitable for use in areas which required access controlled or egress such as exit door.

We offers up to 1200 pounds holding force with jumper pin selectable for 12V or 24V DC dual input voltage and can be applied with access control, and with the full range of optional brackets, it can be installed on all type of door frames such as Hollow and Wooden door. Build in magnetic bond sensor output and bi-colour LED indicates the door locked or unlocked status.

It is the best choice for electronic security industry and system integrators. More optional functions are available in 10020 standard electromagnetic lock series.



REGULAR INSTALLATION



Unique Anti-Residual design

When there is no power, there will be no holding force, and the push-off button will pop out immediately, to release the Electromagnetic Lock and the Armature Plate for no residual magnetism.

SPECIFICATIONS

Voltage Tolerance	± 15%
Current Draw	500mA@12Vdc; 250mA@24Vdc (at temperature 20°C)
Magnetic bond sensor monitor output (SPDT rated 3A@12V DC), remotely monitors the door lock or unlock status. (N.C. Output--Door opened; N.O. Output--Door closed)	
Status LED	Lights GREEN when the door is unlocked, lights RED when the door is locked.
Operating Temperature	-10~55°C
Humidity	0~95% non-condensing
Lock's surface Temperature (when the power is on)	≤ current temperature +20°C
Holding Force	Up to 545 Kg
Dimensions (LxWxD)	Magnet: 266 x 68 x 40 mm Armature Plate: 185 x 62 x 16 mm Mounting Plate: 266 x 40 x 5 mm
Special Finishes for magnet and armature plate	Zinc
Epoxy Potting Compound	E87252 (S), UL94V-0
Weight (Approx.)	4.8 Kg

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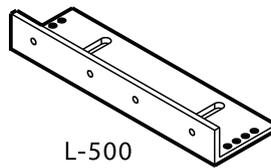
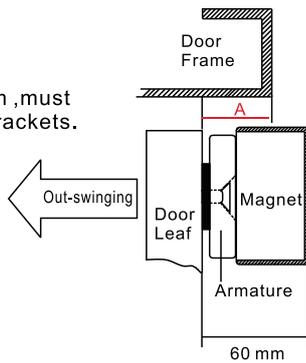
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OPTIONAL BRACKETS

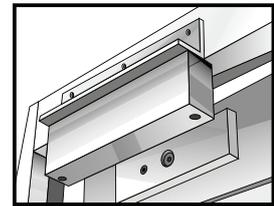
Identify the door swinging direction and inspect the door frame header to determine if bracket is required. A L- brackets, LZbrackets may be required for the electromagnet depending on the frame header and swinging direction.

With L-bracket for narrow door frames

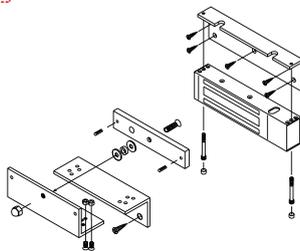
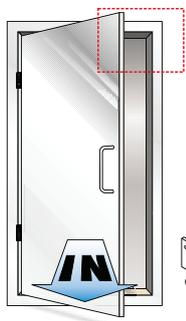
When "A" < 60 mm , must installed with "L" brackets.



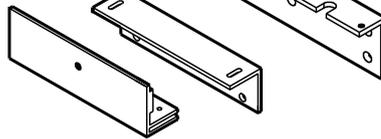
L-500



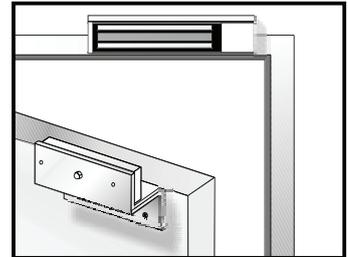
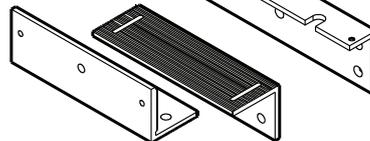
With LZ-bracket for in-swinging doors



LZ-500



LZ-500N



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