GEM®

10002NDS

10001N

RoHS Compliant CE TÜV

Patent No.: 119147(Taiwan)

Features

- High reliability
- Fail- safe operation (Power to Lock).
- Five years warranty.
- Anodized aluminum housing.
- MOV provides spike and surge protection.
- Sliding Template Type Design for easy installation
- Dual voltage 12 or 24 VDC (selectable).
- Anti-Residual magnetism designed

Statement

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 600 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, Wooden and frameless glass door.

It is the best choice for electronic security industry and system integrators. More optional functions are available in *10001N* mini electromagnetic lock series.

Specifications

- Voltage Tolerance: 15%
- Current Draw: 500mA@12Vdc ; 250mA@24VDC (at temperature 20C(
- Operating Temperature: -10~55C)14~131F(
- Humidity: 0~95% non-condensing.
- Lock's surface Temperature (when the power is on): (current temperature +20C)
- Holding Force: Up to 600 lbs)272 Kg(
- Dimensions:
     Magnet:(L) 250, (W) 47, (D) 26 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

Operating Features

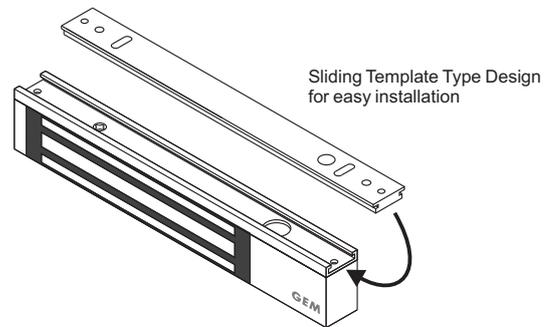**10002N**: Bond sensor output & Status LED

Bond sensor is used to indicate the door status as in a locked or unlocked condition. Status LED is a visual feedback for user to give the true status of the lock at any time. Green light indicates the door is insecure

Bond sensor monitor output : SPDT rated: 3A@12VDC

10002NDS: Door status and bond sensor output & Status LED

Door Status Sensor indicates the door is in an opened or closed status. Magnetic Bond Sensor indicates the door is in a locked or unlocked status.

Door status output : SPDT rated: 0.25A@12VDC

Sliding Template Type Design for easy installation

Regular Installation

Magnet   Armature

(On Power)

OUT
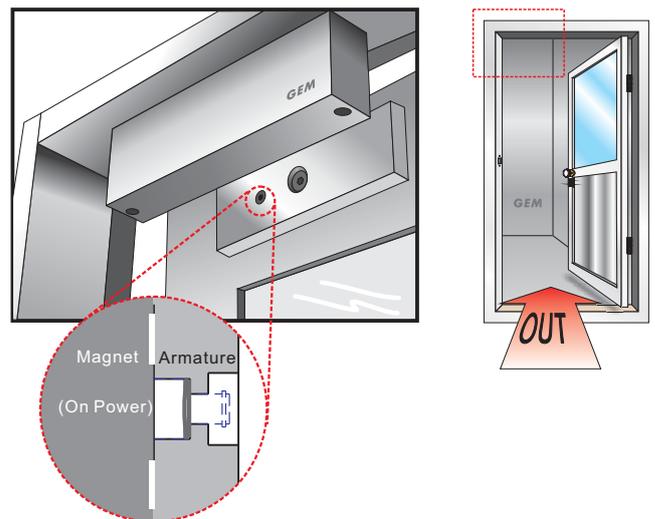
Unique Anti-Residual design

When the power is switched off, the holding force will be discontinuity and the bolt was installed in armature will pop

The products are manufactured under an ISO 9001 & QC 080000 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction.

● Optional Brackets

The door swinging direction and the door frame header are used to determine whether the bracket is required and this identify is a measure of which brackets is suitable. Our optional brackets include L-bracket, LZ-bracket and U-bracket.

With L-bracket for narrow door frames

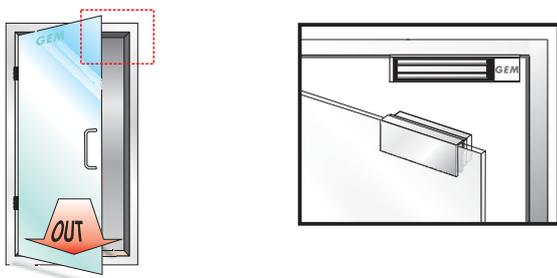When "A" < 42 mm ,must installed with "L" brackets.

L-300

Door Frame
A
Out-swinging
Door Leaf
Magnet
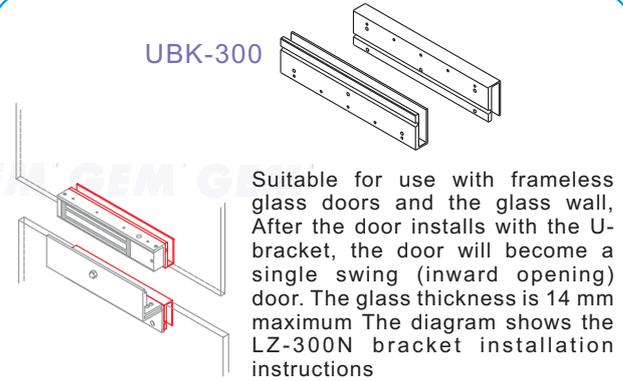Armature
42 mm
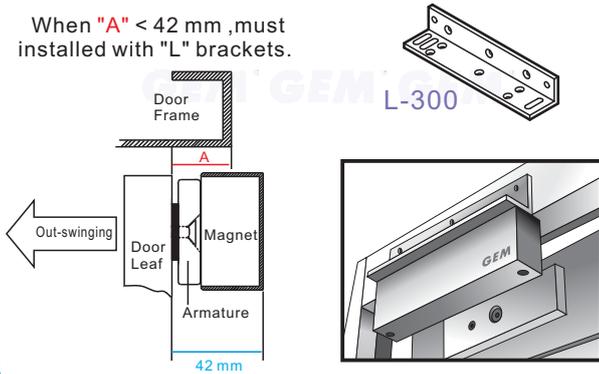
With LZ-bracket for in-swinging doors

LZ-300N
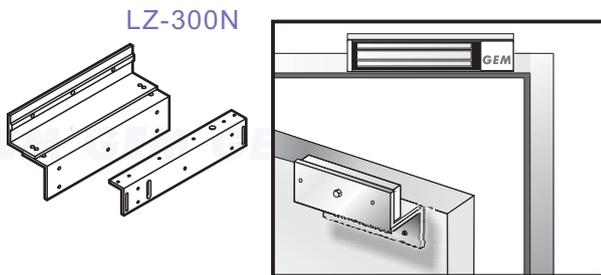
With U-bracket for frameless glass doors

UBK-010 For 10mm thickness of glass door
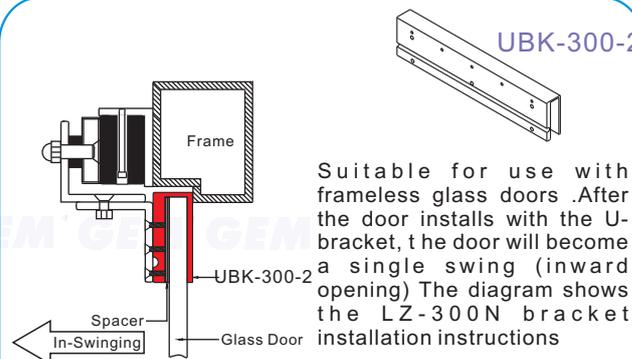UBK-012 For 12mm thickness of glass door

OUT

UBK-300

Suitable for use with frameless glass doors and the glass wall, After the door installs with the U-bracket, the door will become a single swing (inward opening) door. The glass thickness is 14 mm maximum The diagram shows the LZ-300N bracket installation instructions

UBK-300-1

Spacer
Glass Wall
L-300
UBK-300-1
UBK-010
Armature
Glass Door
Out-Swinging

Suitable for use with frameless glass doors and the glass wall, After the door installs with the U-bracket, the door will become a single swing (outward opening) door. The diagram shows the L-300 and UBK-010 bracket installation instructions installation instructions

UBK-300-2

Frame
UBK-300-2
Spacer
In-Swinging
Glass Door

Suitable for use with frameless glass doors .After the door installs with the U-bracket, the door will become a single swing (inward opening) The diagram shows the LZ-300N bracket installation instructions

● Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 5 year 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.

IECQ
GP001
AF AQ
UKAS

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