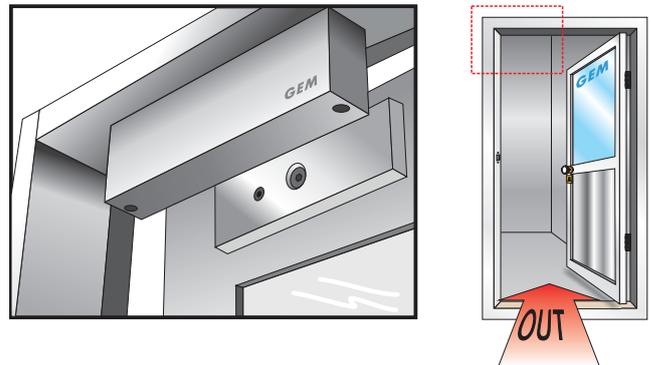




### Regular Installation



Patent:  
ZL 2006 2 0122522.X  
Nr.20 2006 012 052.1  
M308308  
GB 06 16099.8  
06 07229 (France)

### Features

- Holding force up to 1200 lbs
- MOV provides spike and surge protection
- Aluminum anodized casing
- Mounting plate & housing for easy installation
- Dual voltage 12 or 24 VDC (selectable)
- Anti-Residual magnetism function

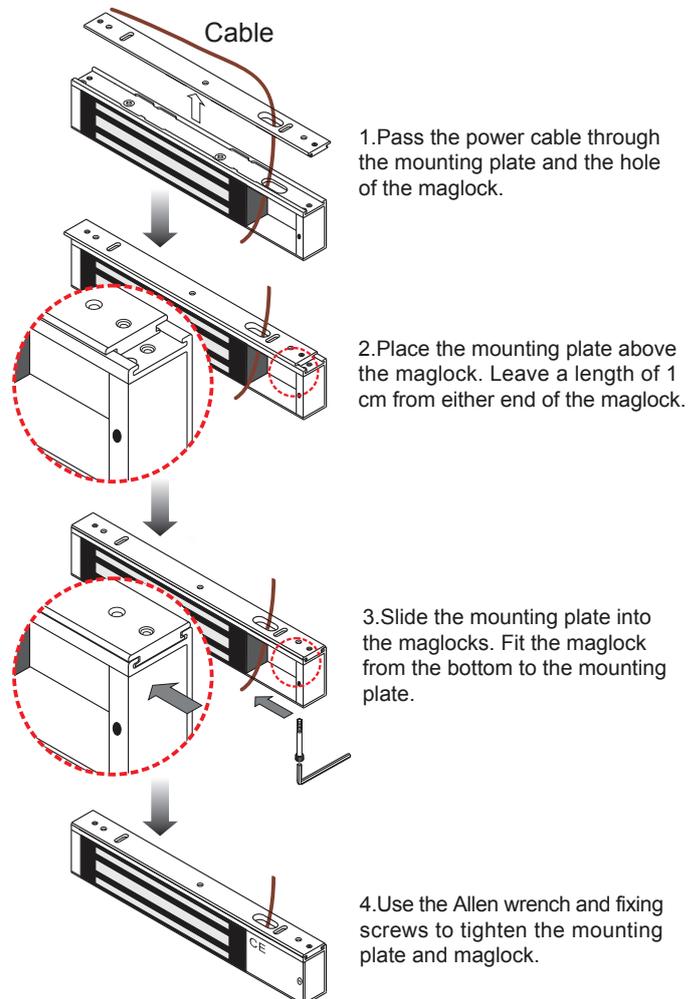
### Statement

EM-NH500 is designed for surface mount on outswing doors. Its slide-in mounting plate simplifies the process of installation and firmly secures the magnet. Other optional operation features include features include magnetic bond sensor, relock time delay, and buzzer alarm.

### Specification

- Operating Voltage: 12/24 VDC
- 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 1200 lbs (545Kg)
- Dimensions:
  - Magnet: (L) 267, (W) 71, (D) 40 mm
  - Armature Plate: (L) 185, (W) 62, (D) 16mm
  - Mounting Plate: (L) 267, (W) 40, (D) 8mm
- Finishes for magnet and armature plate: Zinc plated
- Epoxy Potting Compound: E87252 (S), UL94V-0
- Net Weight: 4.8Kg

### Special Mounting Plate Design



1.Pass the power cable through the mounting plate and the hole of the maglock.

2.Place the mounting plate above the maglock. Leave a length of 1 cm from either end of the maglock.

3.Slide the mounting plate into the maglocks. Fit the maglock from the bottom to the mounting plate.

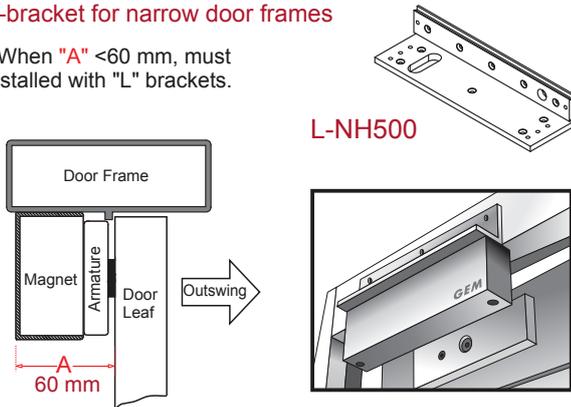
4.Use the Allen wrench and fixing screws to tighten the mounting plate and maglock.

## Optional Brackets

Bracket installation is according to door swing direction and door frame type, e.g. narrow frame door, inswing door, etc.

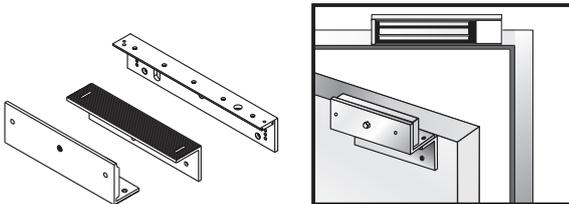
### L-bracket for narrow door frames

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

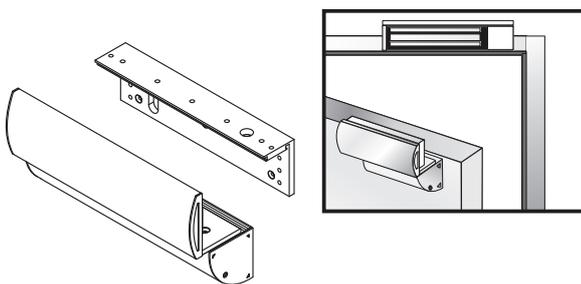


### LZ-bracket for inswing doors

#### LZ-NH500N



#### LZ-NH500NAU



## Operating Features

### xxxx-M: Bond sensor output



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

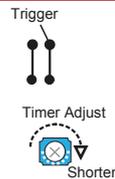
Indicate the locked & unlocked status with visible LED indicator.

### xxxx-BZ: Buzzer Alarm



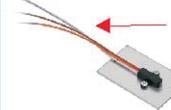
The alarm sounds when the door is not closed and that has exceeded a specified time limit. VR timer is adjustable from 1 to 80 seconds.

### xxxx-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.

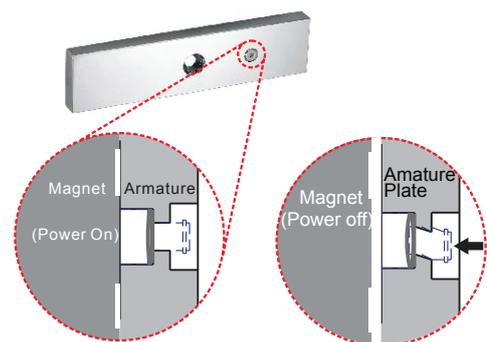
### xxxx-DS: Door status



Door status output  
SPDT rated: 0.2A/12VDC

Door Status Sensor indicates the door is in an open or closed status.

## Anti-residual Statement



### Anti-residual statement

Our electromagnet locks feature Anti-Residual Magnetism (ARM) which ensures the door can be opened without any resistance from left over magnetism imparted to the armature plate.

## Warranty

The warranty period of this product is 60 months, beginning from the manufacturing date. During this period, if the product does not operate correctly, due to a defective component, the product will be repaired or replaced at the sole discretion of Transmitter Solutions. This warranty does not extend to the product casing which can be damaged by conditions outside of the control of Transmitter Solutions.