

Electromagnetic Locks

Indoor NH Series

Slide-in Mounting Plate Design, Safe and Secure



Slide-in mounting plate



The NH series electromagnetic locks feature a slide-in mounting plate design that simplifies the installation process and firmly secures the magnet. They are available for surface mount installations with a wide range of auxiliary mounting brackets allowing an easy installation on any kind of doors and door frames.

Standard Features

- Slide-in mounting plate design for easy and secure installation
- Dual voltage 12/24VDC field selectable
- MOV prevents spike and surge current
- No residual magnetism
- Aluminum anodized casing (US28)

Standard Options

- Built-in bond sensor
- Built-in door status sensor
- Bi-color status LED indicator
- Relock time delay
- Door held open alarm

Patents, Approvals, and Listings

- UL 10B, UL 10C, ULC S104 listed : R21198
- CE: EC3D0908-02

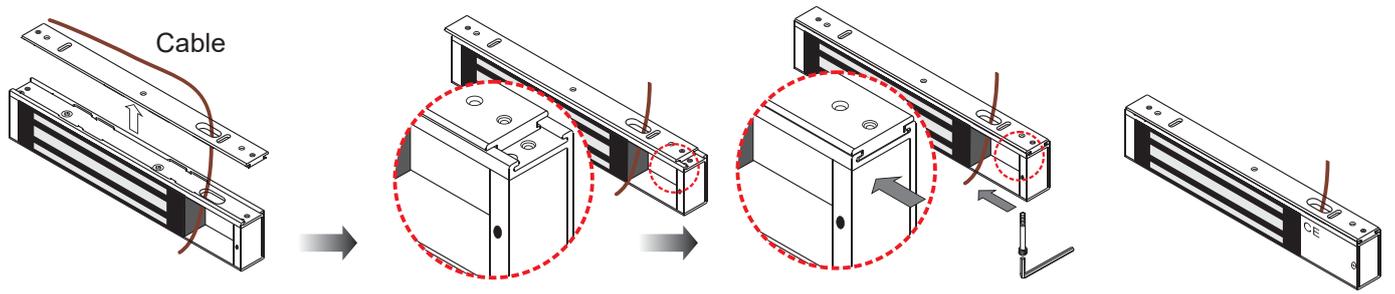
Indoor NH Series Electromagnetic Locks



Functions for Indoor NH Series Electromagnetic Locks

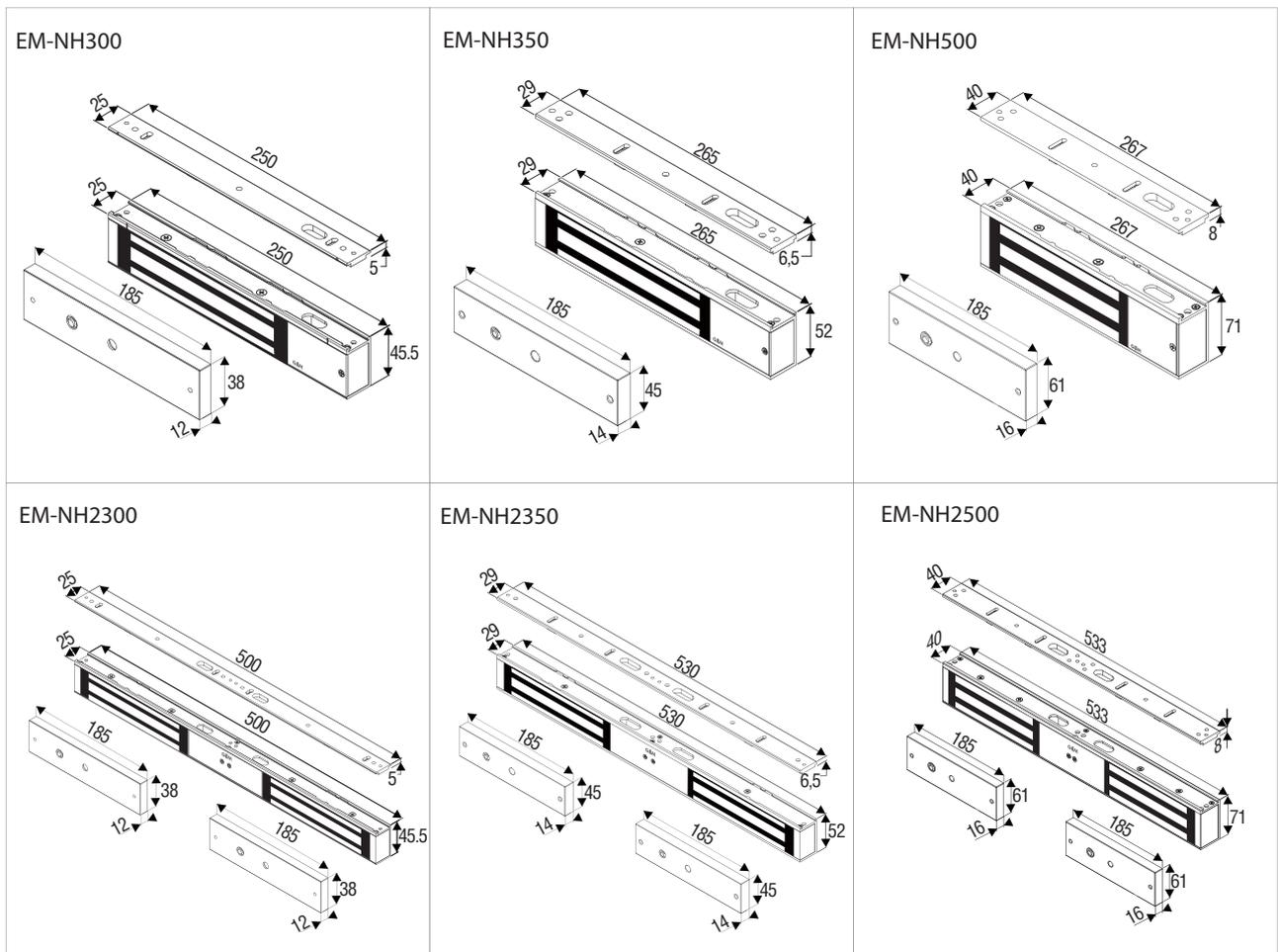
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|---|
| <p>Armature Design Mechanical kick-off device on armature plate ensures no residual magnetism.</p> |
| <p>Bond Sensor (Option) Indicates door locked and unlocked. SPDT rated: 0.5A/125VAC, 1A/24VDC</p> |
| <p>Bi-Color Status LED Indicator (Option) Included on bond sensor option, the visual LED indicates that door is locked or unlocked. Green: Unlocked; Red: Locked</p> |
| <p>Door Held Open Alarm (Option) Alarm for prolonged opening of the door. Time is adjustable from 1 to 20 seconds.</p> |
| <p>Relock Time Delay (Option) Field adjustable relock time delay of 1~80 seconds. Instant release with adjustable relock time.</p> |
| <p>Door Status Sensor (Option) Indicates door open and door closed. Rated: 0.2A/12VDC</p> |

Slide-in Mounting Plate Design



1. Pass the power cable through the mounting plate and the magnet housing.
2. Place the mounting plate above the magnet housing. Leave 1 cm from the edge of the magnet housing.
3. Slide the mounting plate into the magnet housing.
4. Secure the mounting plate to the magnet housing.

Dimensions



All dimensions in mm

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| Models | Holding Force (lbs) | Voltage & Current Draw | Standard Options | Optional Brackets | | | |
|---|---------------------|------------------------------------|------------------------------|-----------------------------|----------------------|---------------------------|----------------|
| | | | | Narrow Frame/ Outswing Door | Inswing Door | U-Brackets Glass Door | |
| Single Magnet | | | | | | | |
| EM-NH300  | 600 | 500mA/12VDC 250mA/24VDC | M, MTD, MDS, MDS-TD, DS | Wooden/ Hollow Metal | L-NH300 L-NH300AU | LZ-NH300N LZ-NH300NAU | UBK-013 Series |
| | | | | Glass Doors | UBK-600N-L | UBK-600N-LZ UBK-600N-Z | |
| EM-NH350  | 800 | 500mA/12VDC 250mA/24VDC | M, MDS | L-NH350M | | LZ-NH350N | UBK-013 |
| EM-NH500  | 1200 | 500mA/12VDC 250mA/24VDC | M, MTD, MDS, MDS-TD, MBZ, TD | L-NH500 L-NH500AU | | LZ-NH500N LZ-NH500NAU | — |
| Double Magnets | | | | | | | |
| EM-NH2300  | 600 x 2 | 500mA x 2/12VDC 250mA x 2/24VDC | M, MTD, MDS, MDS-TD | L-NH2300 | | LZ-NH2300N | — |
| EM-NH2350  | 800 x 2 | 500mA x 2/12VDC 250mA x 2/24VDC | M, MDS, MDS-TD | L-NH2350M | | LZ-NH2350N | — |
| EM-NH2500  | 1200 x 2 | 500mA x 2/12VDC 250mA x 2/24VDC | M, MTD, MDS, MBZ | L-NH2500 | | LZ-NH2500N | — |

Notes:

Standard models are all unmonitored

For more information on optional brackets or other mounting accessories, please refer to other GEM catalogues.

M: Bond sensor & Bi-color status LED indicator

DS: Door status sensor

TD: Relock time delay

BZ: Buzzer alarm (door held open alarm) (EM-NH500M-BZ, EM-NH2500MBZ)

M, DS, and MDS options passed UL Fire Tests of Door Assemblies.

Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 2 year from the date of sale to the original client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.