Electromagnetic Locks

Indoor PH Series with Handle

Stylish, Safe, and Secure

The PH series electromagnetic locks retain all the great features of GEM's electromagnetic locks and performance. They are designed with latest technology that hides the armature plate in an enclosure that serves as a door handle. The electromagnetic lock itself is installed in a vertical direction on the door frame. It is most suitable for metal doors and door frames and can be positioned on any type of inswing doors.

The PH series can be mounted directly onto the door and door frame with the necessary fasteners provided. Installation is simple and requires no special tools.

Standard Features

- Stylish hidden magnet design—safe and secure
- Aluminum anodized casing (US28)
- Dual voltage 12 or 24VDC field selectable
- No residual magnetism
- For inswing doors

Standard Options

- Built-in bond sensor
- Built-in door status sensor
- Relock time delay

Patents, Approvals, and Listings

- Patent: China - ZL 2017 2 0834815.9 (PH-500)

The PH-500/750 also includes an exit button for door release at any time.

GEM®

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Indoor PH Series Electromagnetic Locks with Handle

Models	Holding Force (lbs)	Voltage (VDC)	Current Draw	Standard Options	Magnet	Exit Button	Bi-Color LED
PH-450	600	12/24	500mA/12VDC 250mA/24VDC	M, MTD, MDS-TD	Single magnet	–	–
PH-500	600	12/24	500mA/12VDC 250mA/24VDC	MTD	Single magnet	●	●
PH-750	600 x 2	12/24	500mA/12VDC 250mA/24VDC	MTD, DS	Double magnets	●	●
PH-760	600 x 2	12/24	500mA/12VDC 250mA/24VDC	MTD, DS	Double magnets	–	–
PH-900	600 x 2	12/24	500mA/12VDC x2 250mA/24VDC x2	M, MTD, MDS-TD	Double magnets	–	–

Notes:

Standard models are all unmonitored
M: Bond sensor
MTD: Bond sensor & relock time delay
MDS-TD: Bond sensor, door status sensor & relock time delay
DS: Door status sensor

PH-450

PH-500
(Exit button included)

PH-750
(Exit button included)

PH-760

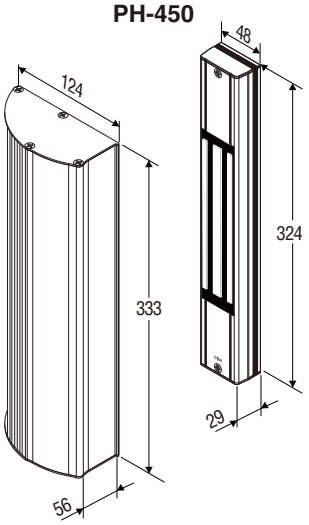
PH-900

Functions for Indoor PH Series Electromagnetic Locks

Bi-Color status LED Indicator (For PH-500/750 related models) Included on bond sensor option, the bi-color LED on the magnet indicates that door is locked or unlocked. Green: Unlocked; Red: Locked
Armature Design Mechanical kick-off device on armature plate ensures no residual magnetism.
Bond Sensor (Option) Indicates door is locked and unlocked. SPDT rated: 1A/24VDC
Relock Time Delay (Option) Field adjustable relock time delay of 1~80 seconds. Instant release with adjustable relock time.
Door Status Sensor (Option) Indicates door is open and closed. Rated: 0.2A/12VDC

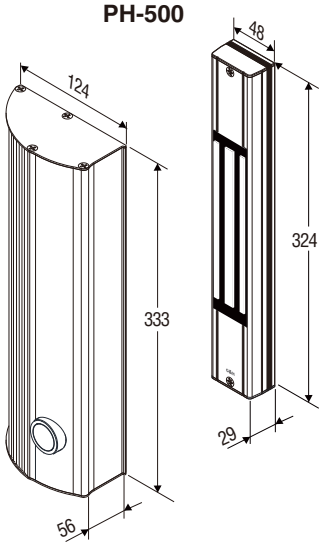
Dimensions

PH-450

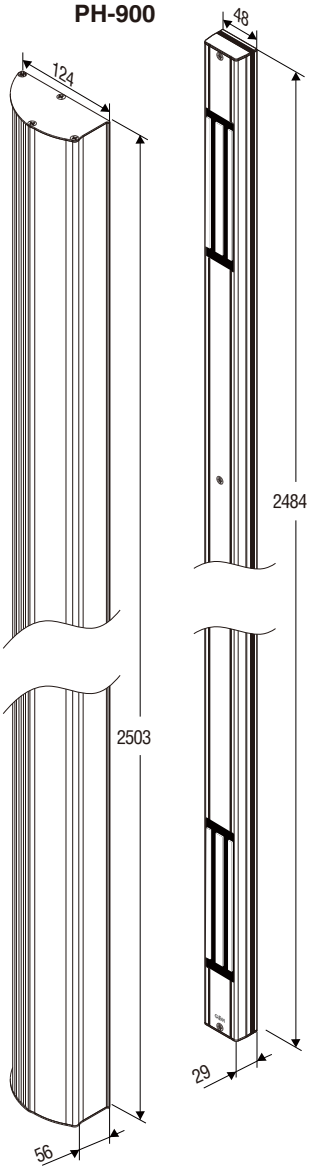


(PH-450 shown)

PH-500



PH-900



All dimensions in mm

Warranty

The product is 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 client. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.

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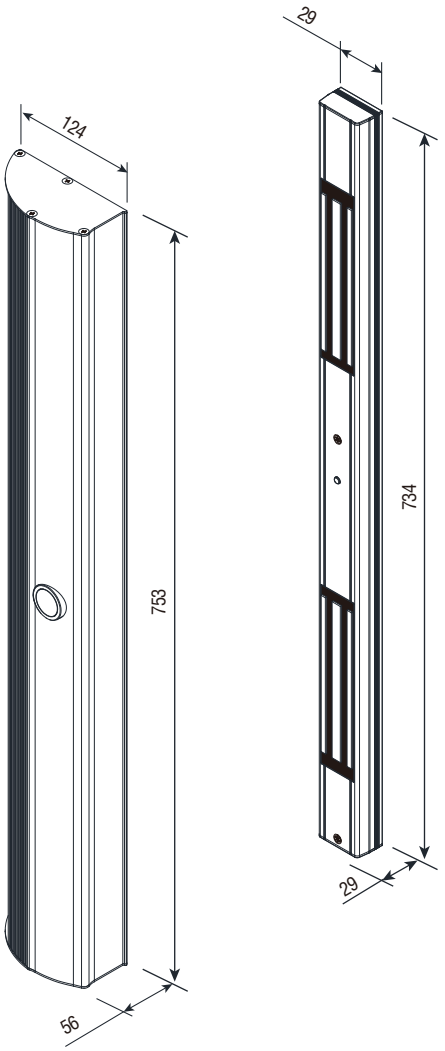
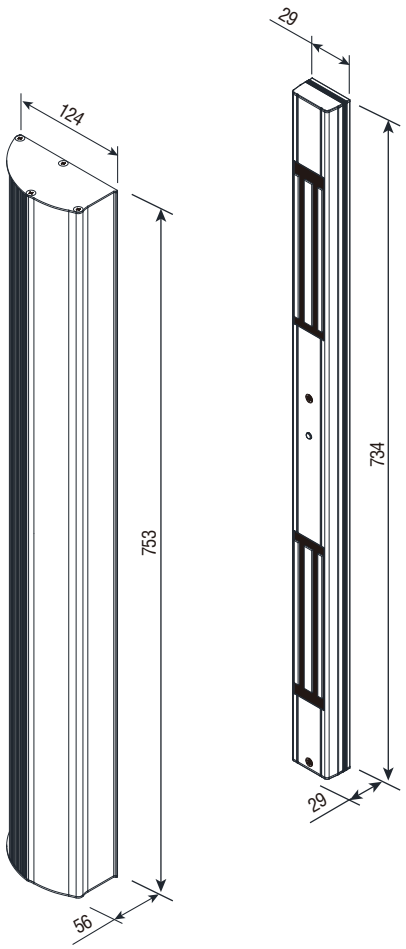
Dimensions (Continued)

PH-750



PH-760



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