

EB190



EB195



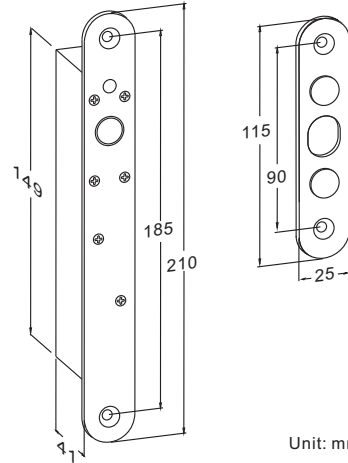
● Specification

- Fail-Safe Version (Power to Lock)
- Operating Voltage: 12 /24VDC (self-regulating)
- Voltage Tolerance: ±10%
- Current Draw: Pull in: 0.9A/12VDC; 0.45A/24VDC
Holding: 0.15A/12VDC; 0.1A/24VDC
(at 20°C)
- BSS output: Magnetic bolt status output (SPDT rated 3A/30VDC) indicates bolt locked or unlocked status.
- DPS output: Indicates door position (open or closed), Reed rated 0.25A/30VDC.
- Operating Temperature: -10~+45°C
- Humidity: 0~95% non-condensing.
- Tested over 500000 cycles.
- Built-in logical circuitry
- Auto-relocking Time Delay : 0, 3 ,6 ,9 seconds
- Faceplate Material: stainless steel
- Net Weight: 0.6 Kg

● Double Action Doors

EB190 Electric dropbolt is specially designed for use on double swinging doors. They can also be installed on both outswing and inswing doors.

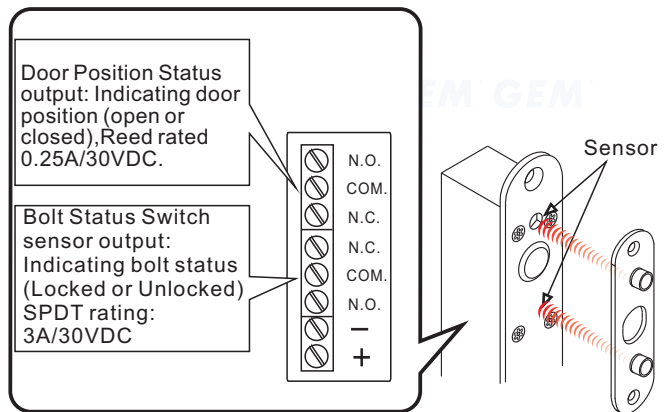
● Dimensions



● Statement

The EB190 electric dropbolt is the upgraded version of EB180. The 25mm-wide faceplate is designed for installation on virtually all types of doors and frames. The bolt status switch sensor and door position status sensor have been added to the lock. The rectangular-shaped (EB195) and arc-shaped (EB190) faceplates are used to suit the different users' habits of installations.

● DPS & BSS output



● Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 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.

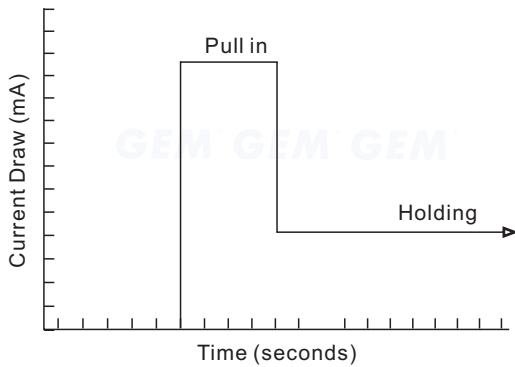
GIANNI INDUSTRIES, INC.

● Long life solenoids

The specially designed solenoid aims for strength and long life. The solenoid is guaranteed 500,000 times of operations.

● Energy Saving Design

After the dropbolt is completely locked, the current draw changes from 0.9A to 0.15A to prolong its life.



● Horizontal or vertical installation

GEM's electric dropbolts can be installed either horizontally at the top or bottom of the door frame or vertically on the side of the door frame.

Fig. A Horizontal Installation (Frame Header)

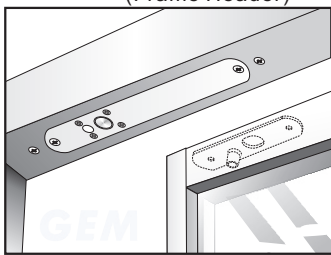
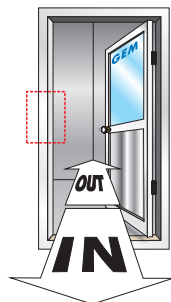
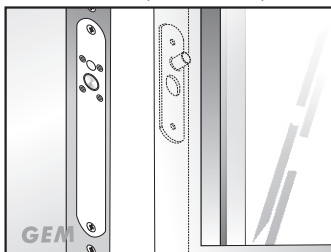
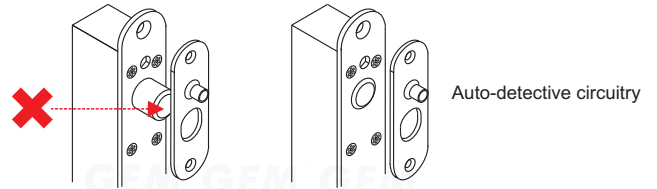


Fig. B Vertical Installation (Side Jamb)



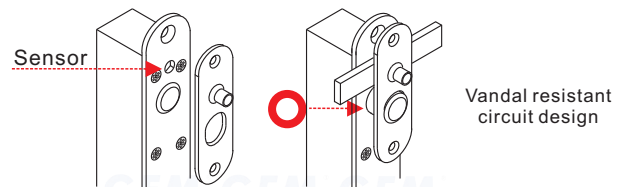
● Auto-detective circuitry

The unique intelligent logic circuit in GEM's electric dropbolts keeps the bolt retracted until the door is properly closed. This feature ensures the bolt will not extend if the door is improperly aligned.



● Vandal Resistant Circuitry

The vandal resistant circuitry means the door sensor can't be fooled into projecting the electric dropbolt unless the door is actually closed. The reed sensor automatically disconnects after the bolt is projected to enhance security of the lock.



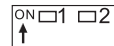
● Breakthrough in innovation ideas

Unobtrusive and slim design can be flush mounted directly into metal such as door mullions.

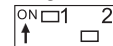
● Relock Time Delay

Adjustable Time Delay of 0,3,6,9 seconds with 2 way DIP switch. (Default Value: 0 sec.)

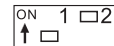
Relock time setting



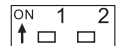
0 seconds



3 seconds



6 seconds



9 seconds