

EB-190



EB-195



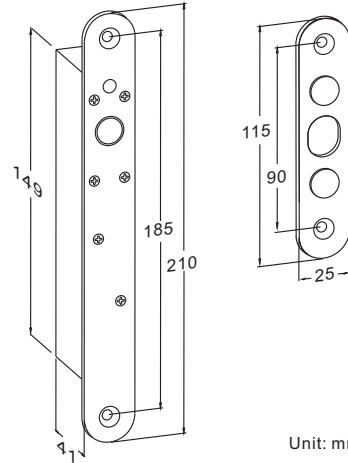
Specifications

- Fail-Safe Version (Power to Lock)
- Operating Voltage: 12 /24VDC (self-regulating)
- Voltage Tolerance: + -10%
- Current Draw:
Pull in: 0.9A, Holding: 0.3A/12VDC (at temperature 20°C)
- BSS output: Magnetic bolt status output (SPDT rated 3A/30VDC) indicates bolt locked or unlocked status.
- DPS output: Indicates door position (opened or closed), Reed rated 0.25Amp/30VDC.
- Operating Temperature: -10~+45°C
- Humidity: 0~95% non-condensing.
- Tested to 500000 cycles.
- Built-in logical circuitry
- Auto-relocking Time Delay : 0, 3 ,6 ,9seconds
- Face Plate Material: stainless steel
- Net Weight: 0.6 Kg

Double Acting Doors

EB-190 Electric dropbolt is specially designed for use on double swinging doors. They can also be installed on both out and in-swinging doors.

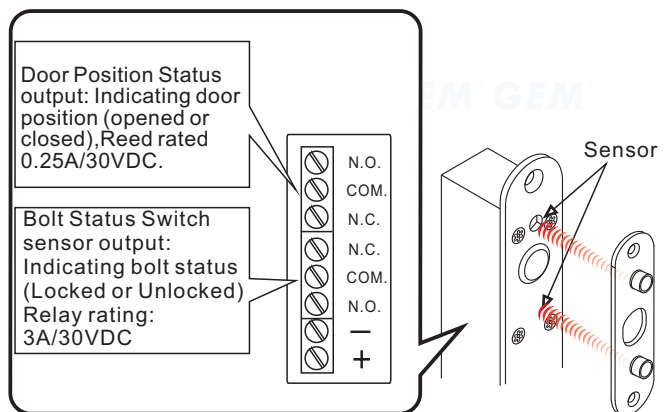
Dimension



Statement

The EB-190 electric dropbolt is the upgraded version of EB-180. The 25mm wider faceplate is designed for installation in virtually all types of doors and frames. The bolt status switch sensor and door position status sensor have been added. The rectangular-shaped (EB-195) and arc-shaped (EB-190) faceplate is used to suit the different users' habits of installations.

DPS & BSS output



Solid bolt for superior strength

Greater security is provided by the 13.5mm diameter (16mm bolt throw) solid stainless steel bolt with hardened magnet core, which has resistant to metal cutting saws. The bolt also rotates freely, making attempts to tamper or cut extremely difficult.

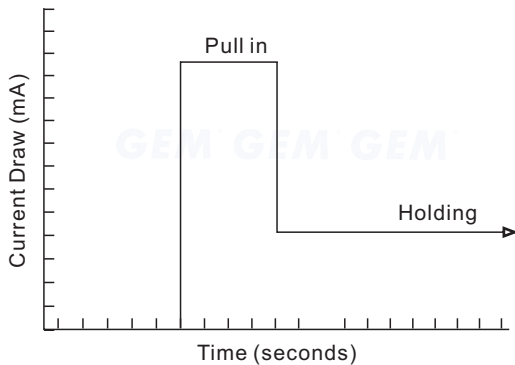
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● Long life solenoids

Special designed solenoid for strength and long life operating lifetime with guaranteed 500,000 operations.

● Energy Saving Design

After the dropbolt is completely locked, the current draw changes from 0.9A into 0.3A to prolong its lifetime.



● 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)

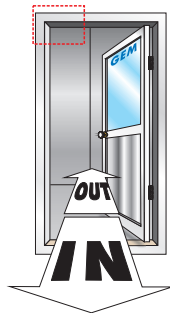
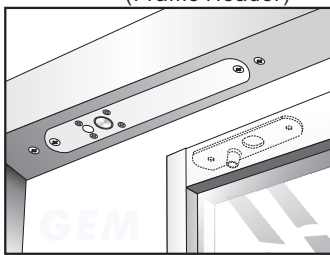
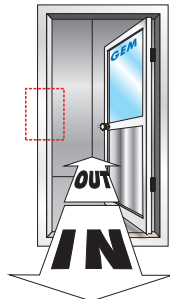
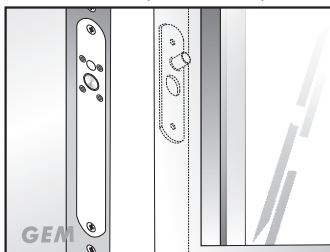
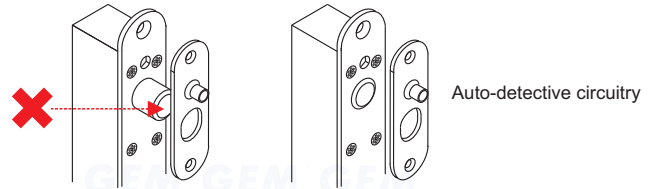


Fig. B Vertical Installation (Side Jamb)



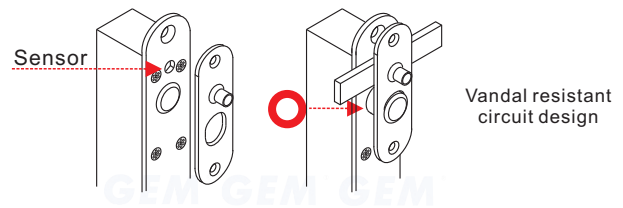
● Auto-detective circuitry

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



● Smart Circuitry

The vandal resistant circuitry means the door close 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.



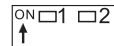
● Breakthrough in innovation ideas

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

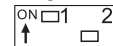
● Relock Time Delay

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

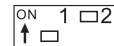
Relock time setting



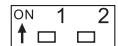
0 seconds



3 seconds



6 seconds



9 seconds

● 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.

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