



Statement

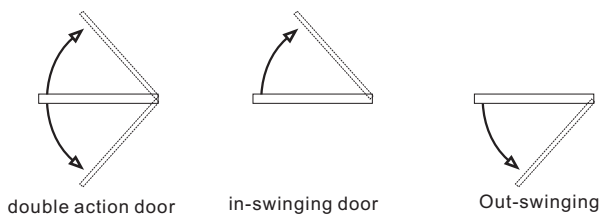
The EB-220 electric dropbolt s are available in 32mm and 38mm wide faceplates. In this design the EB-220 electric dropbolt comes from the same logic circuit , this lock is the downsize version of EB-262 (without position ball).

Specifications

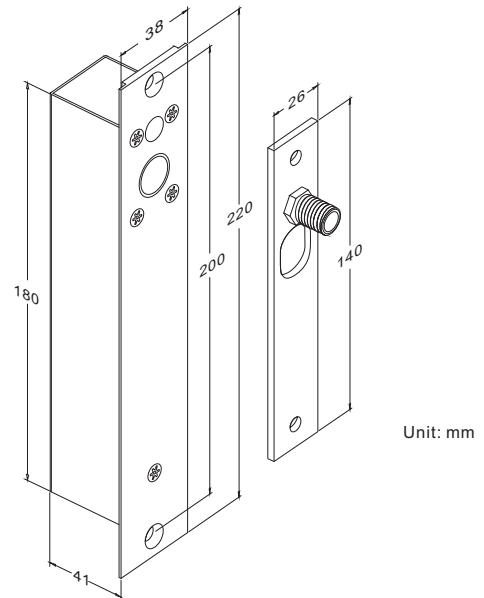
- Fail-Safe Version (Power to Lock)
- Power Input: 12 V DC
- Voltage Tolerance: 10%
- Current Draw:
- Pull in: 0.9A, Holding: 0.3A@12V DC (at temperature 20 C)
- Magnetic bolt status output (SPDT rated 3A@30VDC) indicates bolt locked or unlocked status.
- Operating Temperature: -10~+45 C
- Humidity: 0~95% non-condensing.
- Lock's surface Temperature (when the power is on): <current temperature +20 C
- Tested to 500000 cycles.
- Built-in logical circuitry
- Auto-relocking Time Delay : 0, 3 ,6 ,9seconds
- Face Plate Material: stainless steel
- Weight (Approx.): 1.0 Kg

Double Acting Doors

EB-220 Electric dropbolt is specially designed for use on double swinging doors. They can also be installed on both out and in-swinging doors.

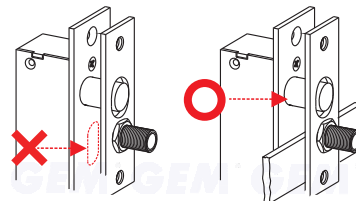


Dimension



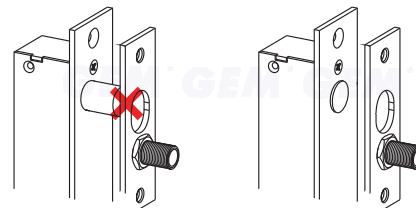
Smart Circuitry

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.



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.



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The products are manufactured under an ISO 9001 & QC 080000 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction.

● 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)

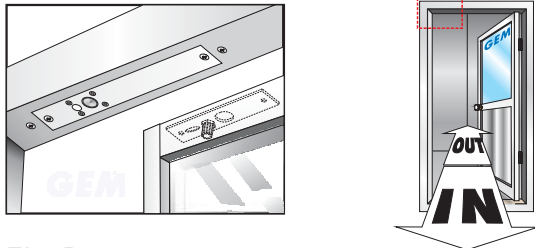
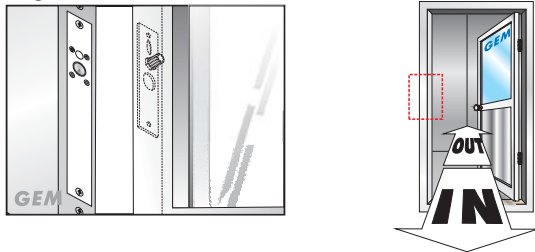


Fig. B Vertical Installation (Side Jamb)

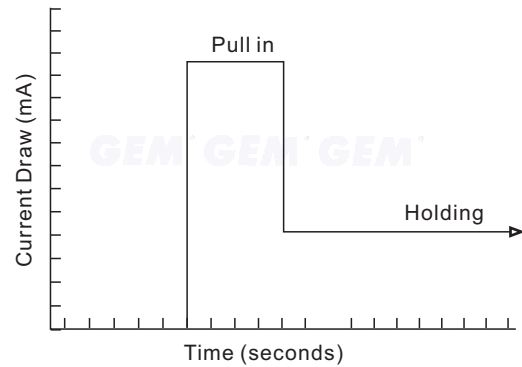


● Long life solenoids

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

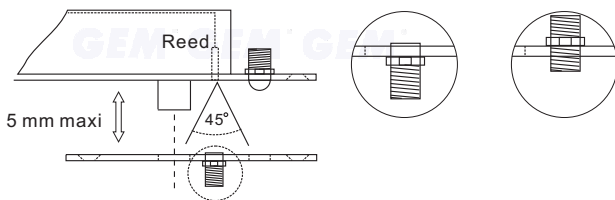
● Clamp Design

When the bolt is extended to keep the door locked, it draws only 0.3A in a holding mode down from 0.9A while the bolt is retracted. This design both protects the power supply and extends the life of the electric dropbolt.



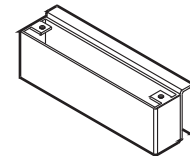
● Adjustable Sensor

The door close sensor can work up to a range of 5mm. If there is a wide door gap, a sensor magnet within the strike plate of the door can be adjusted to improve sensor accuracy.



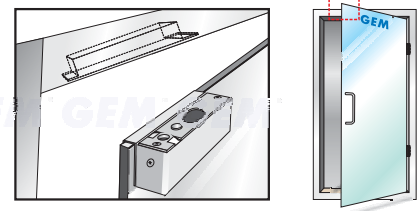
● Optional Accessory

The brackets UBK-262 are compatible with frameless glasses doors (Fig. C).



UBK-262 Bracket
For 10 or 12 mm thickness of glass

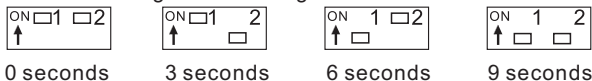
Fig. C



● Lock Delay Settings

The door locking delay is the time between the door being closed and the bolt engaging. This can be set to up to 9 seconds at 3 second intervals by adjusting the jumpers.

Auto Relocking Timer Setting



● 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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