

YD38L



SOLENOID DROPBOLT DATASHEET

23.06.21

PRODUCT

A unique solenoid dropbolt with the highest level of security and an integrated magnetic latch designed to help correct door alignment issues and eliminate door rattle.



FEATURES

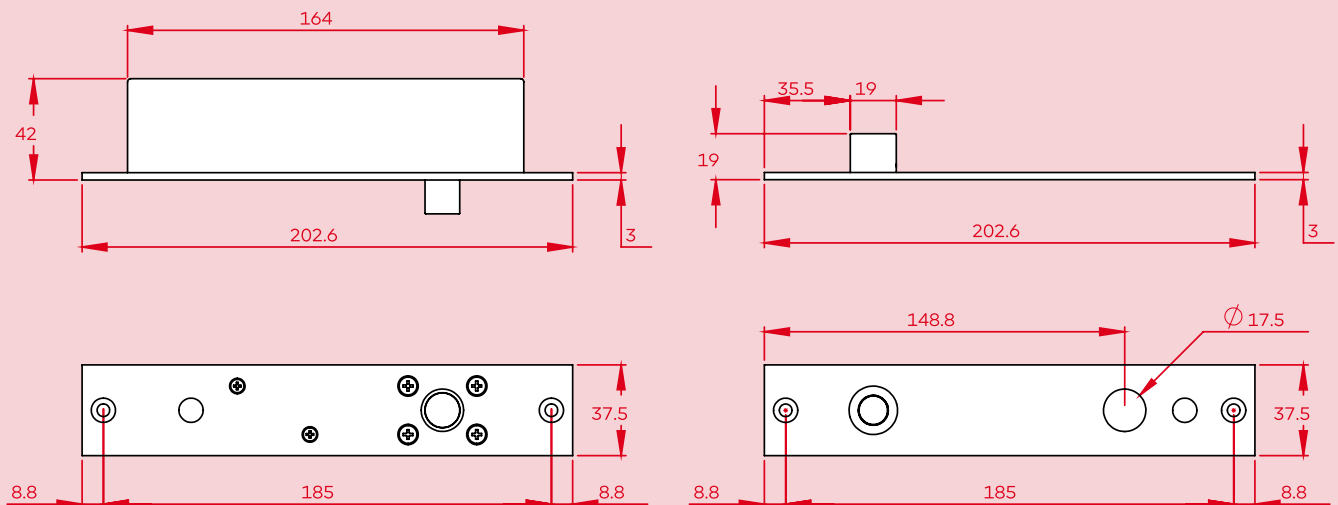
- **High Security**
With a stainless steel bolt pin, the YD38L has a holding force in excess of 20,000N. Onboard control provides auto-relock and timed relock for added security.
- **Alignment**
The YD38L has a built-in magnet latch, which ensures the correct positioning of the lock and strike every time. Perfect for swing through doors, rattling doors, or misaligned doors.
- **Reliability**
The durable design of the Solenoid Dropbolt range has made it one of the most reliable electromechanical locks in the world, rated to 1,000,000 cycles.
- **Complete Monitoring**
The YD38L can output the bolt position and the door position as monitor signals.
- **Low Current Consumption**
The YD38L will draw as little as 90mA holding current using the built-in current reduction circuitry.
- **Integrated Access Control**
With factory set fail safe and fail secure variants, and multiple attempts to lock or unlock, the YD38L is ready for a wide range of application requirements and can be integrated with many access control or alarm systems.
- **Versatile Installation**
With the included fitting tabs the YD38L can be morticed flush into both the side and top of many door frames. Optional housing and dress plate allow for surface mounting the lock and strike for an even wider range of applications, including installation on glass doors.

SPECIFICATIONS

- **Door Gap**
6mm maximum
- **Static Strength**
20,000 newtons (2,000Kg)
- **Endurance**
Cycle tested to 300,000 operations
- **Bolt Pin (2 pieces)**
ø14.2mm thick, 14mm extension, ø17.5mm reciever
- **Voltage at Lock**
12-24VDC $\pm 10\%$
- **Current Usage**
Holding: 150mA@12V,
90mA@24V
Maximum: 1.5A@12V,
1.4A@24V
- **Monitor Switch Ratings**
24VDC, 0.5A
- **Materials**
Lock / Strike Plate: Stainless Steel 304
Bolt Pin: Stainless Steel 304
- **Compliance and Certification**
CE Compliant, RoHS 2 Compliant
- **Lock Variants**
YNL181G – Fail Safe Lock with Short Strike Plate
YNL182G – Fail Secure Lock with Short Strike Plate
- **Accessories**
YNL183G – Long Strike Plate
YNL174J – Housing
YNL176J – Dress Plate

DIAGRAM

DIAGRAMS ARE NOT TO SCALE. MEASUREMENTS ARE IN MILLIMETERS (MM).



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