

# YD25K



## SOLENOID DROPBOLT DATASHEET

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### PRODUCT

The benefits offered by utilising a market leading solenoid dropbolt with the addition of a mechanical key override function when needed, all in a streamlined package.



### FEATURES

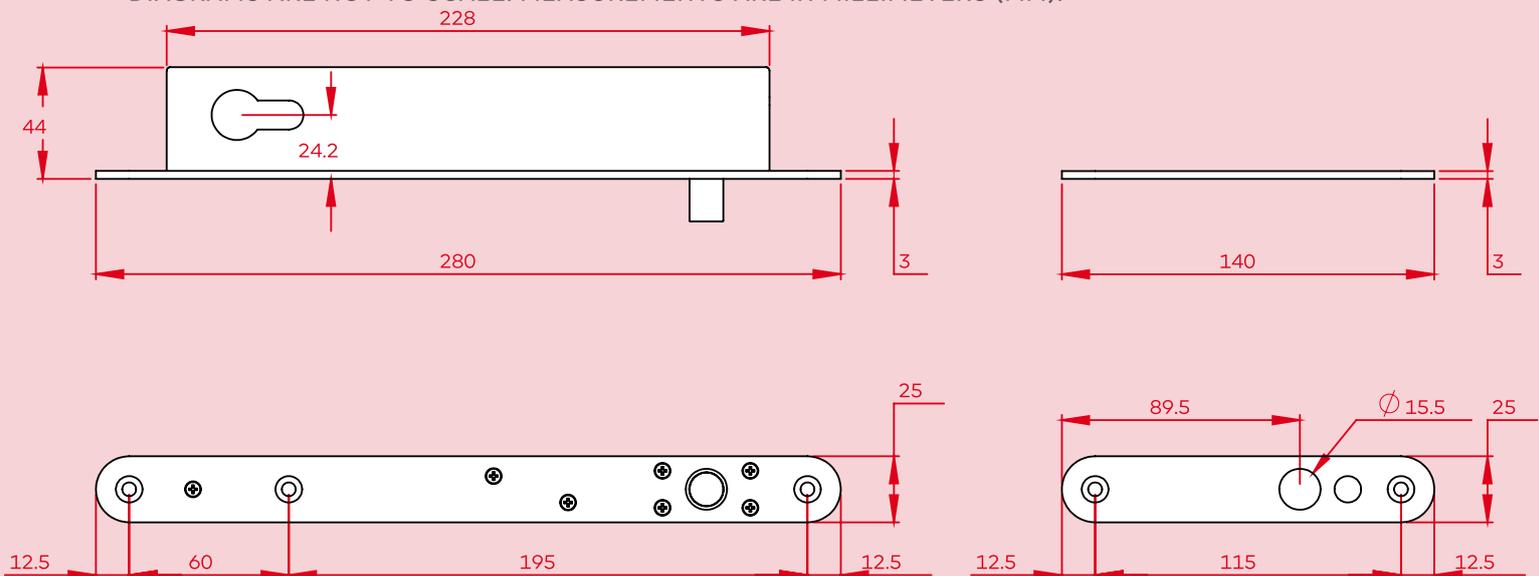
- **Key Override**  
The YD25K has compatibility with a euro style key cylinder for mechanically overriding of the deadbolt when set to fail secure, and electrically overriding the lock when set to fail safe.
- **High Security**  
With a stainless steel bolt pin, the YD25K has a holding force in excess of 10,000N. Onboard control provides auto-relock and timed relock for added security.
- **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 YD25K can output the bolt position, the door position, and the key position as monitor signals.
- **Low Current Consumption**  
The YD25K will draw as little as 80mA 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 YD25K 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 YD25K can be morticed flush into both the side and top of many door frames. Optional housings 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**  
10,000 newtons (1,000Kg)
- **Endurance**  
Cycle tested to 1,000,000 operations
- **Bolt Pin**  
ø12.7mm, 16mm extension, ø15.5mm receiver
- **Key Cylinder**  
Euro-style (not included)
- **Voltage at Lock**  
12-24VDC ±10%
- **Current Usage**  
Holding: 130mA@12V, 80mA@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  
FCC Part 15 Compliant
- **Lock Variants**  
YNL101A – Fail Safe Lock with Short Strike Plate  
YNL102A – Fail Secure Lock with Short Strike Plate
- **Accessories**  
YNL143A – Short Strike Plate  
YNL143E – Long Strike Plate  
YNL144J – Lock Housing  
YNL145J – Long Strike Housing  
YNL146J – Dress Plate

## DIAGRAM

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



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