

# YD30D

## YD30D

The YD30D, is a revolutionary low voltage motor-driven door lock for 180° doors. It has been designed to secure double acting doors and addresses the two biggest issues for electronic locking; the ability to align a misaligned door and the ability to release when requested, even with excessive load on the door.

The YD30D is typically used in commercial doors and controlled by access control systems. This gives the user the ability to control access in and around a facility and provide traffic reports when desired. Additionally, the YD30D can be used in a more straightforward system where controlling access to a single door can be implemented with a stand-alone access system.





## BENEFITS

### 01

Engineered to release when requested even under significant side-load pressure of up to 6,000N (1,350 lbf).

### 02

The YD30D will correct a misalignment of  $\pm 8\text{mm}$  (5/16 inch) automatically eliminating the risk of a door closing but not securing. The perfect solution for swing through doors that don't align exactly.

### 03

Offering feedback to the control panel of the door and bolt positions is a standard feature of the YD30D and vital information to ensure a site is safe and secure.

### 04

Flexibility in installation as the YD30D can be morticed into a door frame vertically or horizontally for a completely concealed install, or surface mounted to any surface including glass with optional accessories.

## FEATURES



### Sideload

World-leading in innovation and engineering, the unique design of the YD30D uses a collapsing mechanism that is deadbolted when locked but will unlock when requested even with 6,000N (1,350 lbf) of force on the door.



### Alignment

The pivot action of the YD30D bolt pins will 'grab' the strike plate and pull the door into position for a misalignment up to 16mm (5/8 inch).



### Fire Tested

The YD30D has been fire tested and approved to ensure the lock won't compromise a fire door's integrity or effectiveness.



### Integrated Access Control

With user-selectable fail-safe and fail-secure modes, and multiple attempts to lock or unlock, the YD30D is ready for a wide range of application requirements. It can be integrated easily with access control or alarm systems.



### Certified

The YD30D has been fully certified for global use including being tested to the EN14846 standard and achieving UL listing. In addition to meeting all compliance requirements, the Cobalt Double is also suitable for use on fire resistant door sets.



### High Security

With 10mm (3/8 inch) thick stainless steel bolt pins, the YD30D has a holding force in excess of 10,000N (2,250 lbf). In addition, onboard control provides auto relock for added security.



### Low Current Consumption

The YD30D will draw as little as 40mA in standby and only 0.75A in operation at 12VDC. Low current paired with high-security access control makes the YD30D a preferred product choice for many industry leaders. Offering an eco-friendly and economical solution, the YD30D utilises a low power mode when in standby.



### Versatile Installation

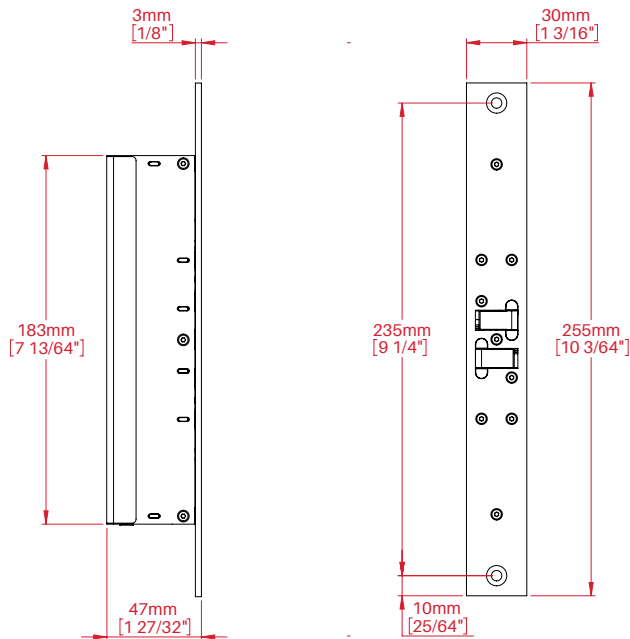
The YD30D can be morticed flush into both the side, or top of many door frames. The lock is supplied with a matching strike plate as standard but additional items are available in the form of a housing and dress plate. These products allow the lock to be surface mounted when mortice installation isn't a preferred, or viable option. The housing and dress plates are supplied with self-adhesive tape for instant application to glass doors and door frames.



### Durability

Tested for endurance for over 1,000,000 cycles, the YD30D offers durability and safety in high volume traffic environments.

SPECIFICATIONS



<b>Door Gap</b> 6mm (1/4 inch) maximum	<b>Voltage at lock</b> 12-24VDC $\pm$ 15%	<b>Compliance &amp; Certification</b> <ul style="list-style-type: none"> <li>• CE Compliant, RoHS 2 Compliant</li> <li>• FCC Part 15 / IC Compliant</li> <li>• RCM Compliant, UL Listed</li> <li>• EN 14846:2008 Certified</li> <li>• Suitable for use on fire resistant doorsets</li> </ul>
<b>Static strength</b> 10,000N (2,250 lbf)	<b>Current usage</b> Holding: 40mA@12VDC, 25mA@24VDC Maximum: 0.75A@12VDC, 0.4A@24VDC	<b>Lock</b> YNL230A - Lock with Long Strike Plate
<b>Sideload (release on request)</b> 6,000N (1,350 lbf)	<b>Monitor switch ratings</b> 30VDC max, 100mA max	<b>Accessories</b> <ul style="list-style-type: none"> <li>YNL233A - Long Strike Plate</li> <li>YNL234J - Housing</li> <li>YNL236J - Dress Plate</li> <li>YNL209 - YD30X Wire loom</li> <li>YNL209A - YD30X Wire loom 5m</li> <li>YNL208 - Fitting tab kit</li> </ul>
<b>Endurance</b> Cycle tested to 1,000,000 operations	<b>Materials</b> Lock/Strike Plate: Stainless Steel 304 Bolt Pins: Stainless Steel 17-4PH	
<b>Bolt Pin</b> 10mm (3/8 inch) thick, two pieces 13mm (1/2 inch) extension	<b>Environment</b> IP53	
<b>Alignment</b> 16mm (5/8 inch) misalignment correction		

APPLICATIONS

High traffic volume, double acting pedestrian doors where door alignment or releasing when requested under sideload is required. Commonly seen in mortice installations on office doors but also used on double acting glass doors where security is paramount, convenience required and appearances important. Used across all market sectors.

