

# RCI YD30 Series

## Electronic locks



### Advantages at a glance:

- **YD30S:** Correcting door misalignment of up to 5/16" (8 mm)
- **YD30D:** Correcting door misalignment of up to 5/8" (16mm),  $\pm 5/16"$  ( $\pm 8$  mm)
- Door will still release under side load force of up to 1,350 lbf (612 kgf)
- Dual voltage 12-24 VDC self selecting
- 2,250 lbf (1,020 kgf) holding force
- Available as a dedicated fail-safe model. Or with a user-selectable fail-safe/fail-secure configuration switch.
- Fail alarm: may be released upon activation of fire alarm
- Designed for single (YD30S) or double (YD30D) acting doors
- Perfect for framed and frameless glass doors
- Low standby current draw 40mA @12VDC
- Suitable for use on fire doors (UL10C)
- Versatile installation

### RCI YD30 Series - Reliable, secure, convenient

The RCI YD30 Series electronic locks are motor driven electronic locks that use a collapsing mechanism that is deadbolted when locked. Available as a dedicated failsafe model or with a user-selectable failsafe/fail-secure model, it is designed to secure commercial single or double acting doors.

The locks solve two significant challenges found with door locking:

- 1) align a misaligned door
- 2) release when requested, even with excessive load on the door

The YD30 series gives the user the ability to control access in and around a facility and provide traffic reports when desired. Additionally, the YD30 series can be used in a more straightforward system where controlling access to a single door can be implemented with a stand-alone RTE access system.



# RCI YD30 Series is available in several models:



## RCI YD30D Double

A high traffic, low voltage, motor-driven door lock for 180° swing doors. It is typically activated by access control systems and used in commercial double entrance doors in either mortise or surface installation as well as swing-through glass doors where security is paramount, convenience required, and appearances important.

The pivot action of the YD30D bolt pin will 'grab' the strike plate and pull the door into position for a misalignment up to 5/8" (16mm),  $\pm 5/16"$  ( $\pm 8$  mm).

Found in most market sectors but primarily in commercial, healthcare, airports and government.

Available as a dedicated fail-safe model.

Or with a user-selectable fail-safe/fail-secure configuration switch.



## RCI YD30S Single

A high traffic, low voltage, motor-driven door lock for 90° doors. It is typically activated by access control systems and used in single acting pedestrian doors where door alignment or releasing when requested under sideload is required.

The pivot action of the YD30S bolt pin will 'grab' the strike plate and pull the door into position for a misalignment up to 5/16" (8 mm).

It is commonly seen in mortise installations on office doors but also used on single acting glass doors where security is paramount, convenience required, and appearances important.

Available as a dedicated fail-safe model.

Or with a user-selectable fail-safe/fail-secure configuration switch.

# RCI YD30 Series benefits

<b>Door alignment</b>	<ul style="list-style-type: none"><li>• Ideal for correcting small door misalignments</li></ul>
<b>Side load release</b>	<ul style="list-style-type: none"><li>• The door can have in excess of 1,350 lbf (612 kgf) being applied and it will still release instantly when requested</li></ul>
<b>High security</b>	<ul style="list-style-type: none"><li>• Automatic deadbolting</li><li>• Strong holding force</li><li>• Strong stainless steel bolt pin</li></ul>
<b>Electronic convenience</b>	<ul style="list-style-type: none"><li>• Low voltage lock</li><li>• Reverse polarity and transient protection</li><li>• Multiple attempts to lock</li></ul>
<b>Simple configuration</b>	<ul style="list-style-type: none"><li>• Available as Fail Safe only.</li><li>• Or with a user selectable Fail Safe / Fail Secure switch</li></ul>
<b>Dual monitoring</b>	<ul style="list-style-type: none"><li>• Door and bolt positions</li></ul>
<b>Versatile installation</b>	<ul style="list-style-type: none"><li>• Can be mortised flush into both the side or top of many door frames with fitting tabs available to make installation quicker.</li><li>• Lock is supplied with a matching strike plate as standard with additional items available in the form of a housing and dress plate. These products allow the lock to be surface mounted when mortise installation isn't a preferred or viable option.</li><li>• The housing and dress plates are supplied with self-adhesive tape for instant application to glass doors and door frames.</li></ul>

# Technical data

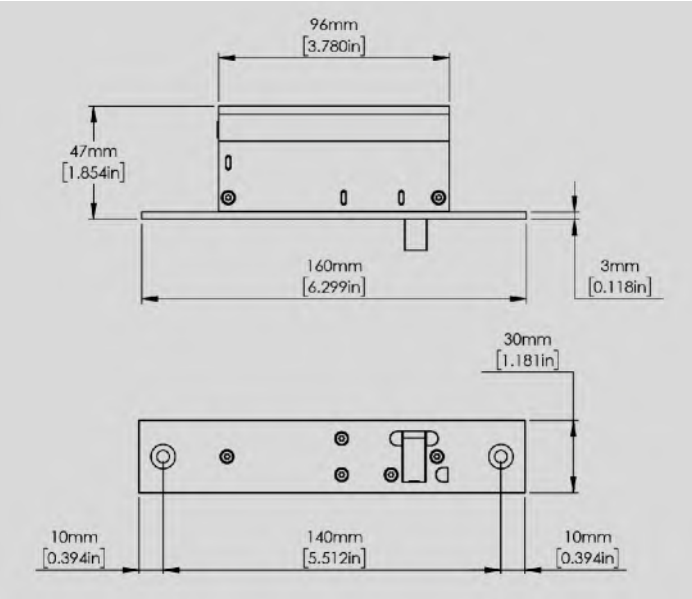
## Specifications

Door Gap:	<ul style="list-style-type: none"><li>• 6mm maximum</li></ul>
Holding force:	<ul style="list-style-type: none"><li>• 2,250 lbf (1,020 kgf) holding force</li></ul>
Sideload (RTE)	<ul style="list-style-type: none"><li>• 1,350 lbf (612 kgf)</li></ul>
Endurance	<ul style="list-style-type: none"><li>• Cycle tested to 1,000,000 operations</li></ul>
Bolt pin	<ul style="list-style-type: none"><li>• 3/8" (10 mm) / 1/2" (13mm)</li></ul>
Alignment correction	<ul style="list-style-type: none"><li>• <b>YD30S:</b> Correcting door misalignment of up to 5/16" (8 mm)</li><li>• <b>YD30D:</b> Correcting door misalignment of up to 5/8" (16mm), ± 5/16" (± 8 mm)</li></ul>
Voltage at lock	<ul style="list-style-type: none"><li>• 12-24VDC ±15%</li></ul>
Current usage	<ul style="list-style-type: none"><li>• Standby: 40mA@12VDC, 25mA@24VDC</li><li>• Peak: 0.75A@12VDC, 0.4A@24VDC</li></ul>
Monitor switch ratings	<ul style="list-style-type: none"><li>• 30VDC max, 100mA max</li></ul>
Materials	<ul style="list-style-type: none"><li>• Lock / Strike Plate: Stainless Steel 304. Bolt Pin: Stainless Steel 17-4PH</li></ul>
Compliance & certification	<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 15846:2008 Certified</li><li>• Suitable for use on fire resistant doorsets</li></ul>
Package contents YD30S & YD30D	<ul style="list-style-type: none"><li>• Lock with matching strike plate and mounting screws</li></ul>
Dimensions: YD30D	<ul style="list-style-type: none"><li>• 10-3/64" x 1-3/16" x 1-27/32" (255 x 30 x 47mm)</li></ul>
Dimensions: YD30S	<ul style="list-style-type: none"><li>• 6-19/64" x 1-3/16" x 1-27/32" (160 x 30 x 47mm)</li></ul>
Warranty	<ul style="list-style-type: none"><li>• 3 years</li></ul>

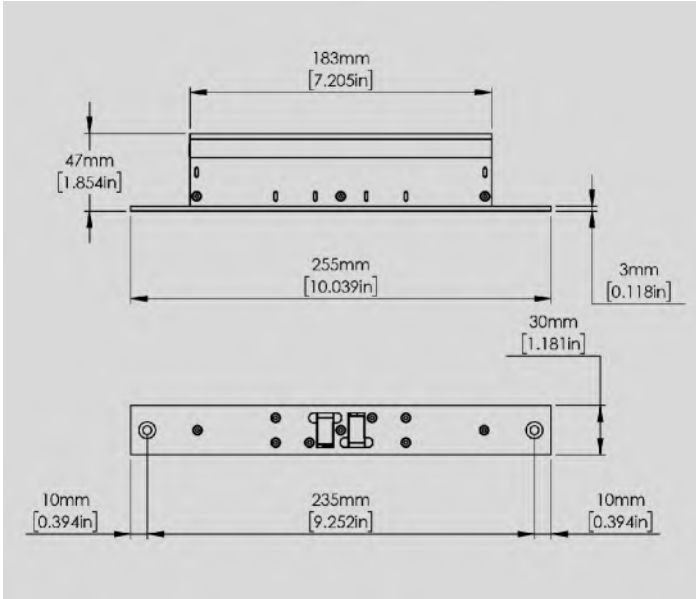
## Accessories

	YD30D	YD30S
Long Strike Plate	YD30D233	YD30S223
Housing	YD30D234	YD30S224
Dress Plate	YD30D236	YD30S226
YD30X Wire loom	YD30SD209	YD30SD209
Fitting tab kit	YD30SD208	YD30SD208

# Diagrams



RCI YD30S



RCI YD30D

Subject to technical alterations.

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**Any questions? We would be happy to advise you.**  
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