

# Top Push Plug-in Limit Switches

Catalog Numbers 802T-x



**WARNING:** To avoid electrical shock and/or unintended operation of equipment, disconnect all power to the limit switch and the controlled equipment before proceeding with any repair or adjustment of the limit switch.

## Mounting

Position the conduit entering the switch so that any fluid inside the conduit will not drain into the switch enclosure. Use a sealing compound on the conduit threads. This seal will prevent fluids from going through the threads.

The base may be mounted by one of two methods.

1. Two #10-32 tapped holes are provided for rear mounting.



**ATTENTION:** Be sure the screws used for rear mounting are not too long. If the screws are too long, they can interfere with the screws used to secure the front to the base.

2. Two clearance holes for #10 screws are provided for front mounting.

## Wiring



**ATTENTION:** The contacts in each switch element must have the same polarity. The circuit diagram is shown on the nameplate.

The pressure type connector terminals in the base will accept 12 AWG and smaller solid or stranded wire. For proper tightening, it is suggested that nothing smaller than 18 AWG be used. Before you insert the wire under the pressure plates, strip the insulation approximately 3/8 in. Tighten all pressure plate terminal screws, whether used or not, to avoid interference with the switch cover.

A grounding screw is located in the terminal base enclosure near the conduit opening. If the ground screw has a self-lift pressure plate and a wire barrier, the proper installed position of the ground wire is between the pressure plate and the wire barrier in a direction parallel to the edge

of the casting. Be sure the ground wire does not interfere with the gasket or with the switch portion of the device.

After the wiring has been completed, be sure all wires are in the wiring cavity of the terminal block. This step eliminates the interference of the switch when it is plugged into the terminal block. Recheck all wiring terminal screws for tightness.

**IMPORTANT** For switches that have been factory wired, check wire colors and their position in the terminal block for proper circuit hookup.

When the switch has been plugged into the terminal block, securely tighten the two cover screws to compress the body gasket.

## Actuator Head Positioning

In some cases, it may be necessary to rotate the top push roller head 90°. Loosen the four head screws. Place the head in the desired position and securely tighten the four screws.

## Renewal Parts

If renewal parts or additional lubricant is required, give the Bulletin Number, Catalog Number, and Series Letter found on the nameplate.

## Rockwell Automation Support

Use the following resources to access support information.

<b>Technical Support Center</b>	Knowledgebase Articles, How-to Videos, FAQs, Chat, User Forums, and Product Notification Updates.	<a href="https://rockwellautomation.custhelp.com/">https://rockwellautomation.custhelp.com/</a>
<b>Local Technical Support Phone Numbers</b>	Locate the phone number for your country.	<a href="http://www.rockwellautomation.com/global/support/get-support-now.page">http://www.rockwellautomation.com/global/support/get-support-now.page</a>
<b>Direct Dial Codes</b>	Find the Direct Dial Code for your product. Use the code to route your call directly to a technical support engineer.	<a href="http://www.rockwellautomation.com/global/support/direct-dial.page">http://www.rockwellautomation.com/global/support/direct-dial.page</a>
<b>Literature Library</b>	Installation Instructions, Manuals, Brochures, and Technical Data.	<a href="http://www.rockwellautomation.com/global/literature-library/overview.page">http://www.rockwellautomation.com/global/literature-library/overview.page</a>
<b>Product Compatibility and Download Center (PCDC)</b>	Get help determining how products interact, check features and capabilities, and find associated firmware.	<a href="http://www.rockwellautomation.com/global/support/pcdc.page">http://www.rockwellautomation.com/global/support/pcdc.page</a>

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At the end of life, this equipment can be collected separately from any unsorted municipal waste.

Rockwell Automation maintains current product environmental information on its website at <http://www.rockwellautomation.com/rockwellautomation/about-us/sustainability-ethics/product-environmental-compliance.page>.

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