

Installation Instructions

Original Instructions



Allen-Bradley

by ROCKWELL AUTOMATION

Top Push Plug-in Limit Switches

Catalog Number 802T-x



ATTENTION: 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 that enters the switch so that any fluid inside the conduit does not drain into the switch enclosure. Use a sealing compound on the conduit threads. This seal helps prevent fluids from going through the threads.

Mount the base by one of the following methods:

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



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

- 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 accept 3.3 mm² (12 AWG) and smaller solid or stranded wire. For proper tightening, we suggest using nothing smaller than 0.82 mm² (18 AWG). Before you insert the wire under the pressure plates, strip the insulation approximately 9.5 mm (3/8 in.). Tighten all pressure plate terminal screws, whether used or not, to avoid interference with the switch cover.

A grounding screw is 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 that 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 that 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, provide the bulletin number, catalog number, and series letter found on the nameplate.

Rockwell Automation Support

Use these resources to access support information.

Technical Support Center	Find help with how-to videos, FAQs, chat, user forums, and product notification updates.	rok.auto/support
Knowledgebase	Access Knowledgebase articles.	rok.auto/knowledgebase
Local Technical Support Phone Numbers	Locate the telephone number for your country.	rok.auto/phonesupport
Literature Library	Find installation instructions, manuals, brochures, and technical data publications.	rok.auto/literature
Product Compatibility and Download Center (PCDC)	Download firmware, associated files (such as AOP, EDS, and DTM), and access product release notes.	rok.auto/pcdc

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