



## Terminal Base for Bulletin 802T Plug-in Limit Switch

Bulletin Number 802T



**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.

These terminal bases are intended for use with the plug-in limit switch. Bases for the two-circuit switch and for the four-circuit switch are available. Verify that the proper base and switch are matched.



**ATTENTION:** On versions with a tapped conduit hole, position the conduit that enters the switch such that any fluid inside the conduit does not drain into the switch enclosure. Apply sealing compound to conduit threads to help prevent entrance of fluids through the threads.

There are two methods to mount the base:

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



**ATTENTION:** Make sure that the screws that are used for rear mounting are not so long as to 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.



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

**IMPORTANT** The following does not apply to pre-wired cable-type terminal bases.

The pressure-type connector terminals in the base accept 3.31 mm<sup>2</sup> (12 AWG) and smaller solid or stranded wire. For proper tightening, we suggest not using anything smaller than 0.823 mm<sup>2</sup> (18 AWG) wire. Before you insert the wire under the pressure plates, strip the insulation approximately 9.52 mm (3/8 in.). To avoid interference with the switch cover, tighten all pressure plate terminal screws whether used or not. A grounding screw is in the terminal base enclosure near the conduit opening. If the grounding screw has a self-lifting pressure plate and a wire barrier, the proper position to install the ground wire is between the pressure plate and the wire barrier in a direction parallel to the edge of the casting. Verify that the ground wire does not interfere with the gasket or with the switch portion of the device.

After wiring is complete, verify that all wires are in the wiring cavity of the terminal block so they do not interfere with the switch when it is plugged into the terminal block. Recheck all wiring terminal screws for tightness. After the switch has been plugged into the terminal base, securely tighten the two cover screws (20...25 in•lb) to compress the body gasket.

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Publication 802T-IN009B-EN-P - April 2021 | Supersedes Publication 802T-IN009A-EN-P - September 1973  
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40060-045-02

40060-045-02 Ver 06