

Touchbolt™ Switch TBM5-TERM



Standard Features

The TBM5-TERM dry contact control module is designed to provide on-off control of one circuit by means of a touch-sensitive input.

Rated for loads of 0.5 amps at 125 VAC or 1 amp at 30VAC/30DC.

Input current 3mA off, 12mA on (24VDC or 24VAC).

The number of operations under the rated electrical load is 200,000 minimum.

The touch controller uses a relay to provide fully isolated control of the load and to offer maximum immunity to false triggering. A Form-C (SPDT) contact is provided to give the installer maximum connection flexibility.

The touch controller is activated by a Touchbolt™ Assembly. The Touchbolt™ Assembly can be ordered in various lengths and configurations.

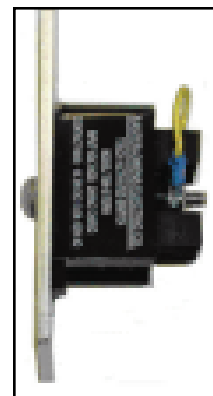
Stranded copper wire, #16 AWG, is recommended for the active touch sense.

The maximum total distance between the touch controller and the stainless-steel bolt is 8ft. Touch-sense must be run in a separate non-metallic conduit. Through-wall penetrations must be run in PVC (non-metallic) conduit. Touch lead cannot be run with power leads. Please consult the factory for application assistance.

Screw terminals provided are rated for use with a wire size range of #16-22AWG only. Use only solid or stranded copper wire for all terminal connections. Select actual wire size in accordance with applicable code.

When using 24VAC or 24DC (+) power input, the 24VAC/24DC terminals are used to provide power to operate the touch controller. 24VAC or 24DC must be applied at all times for proper controller operation. Connect 24VAC or 24DC (-) to line neutral and 24VAC or 24VDC(+) to line hot. Reversing these connections may result in poor noise immunity on the Touchbolt™ input and will increase susceptibility of false triggering.

The touch controller provides a Form-C (SPDT) relay contact for control of the load circuit. When power is first applied to the controller, the relay is reset to the default state in which the C-NC contact is closed and the C-NO contact is open. Activations of the touch-sense control input will activate the relay. Release of the touch-sense control input initiates change to the subsequent state of the relay. Removal of input power will reset the relay to the default state in which the C-to-NC contact is closed and the C-to-NO contact is open. 24VDC/AC power must be applied at all times for proper controller operation.



Options

Faceplate and Touchbolt™ Assembly not included with the standard TBM5-TERM unit.

Approvals

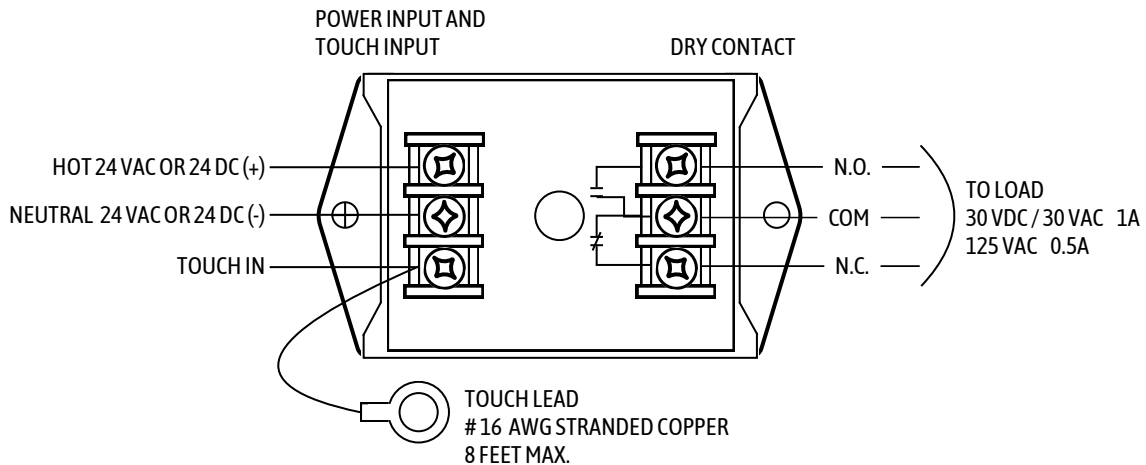
- UL listed termination boxes.
- Units can be CUL listed, consult factory if required.
- Units requiring CUL listing must be specified at time of order.



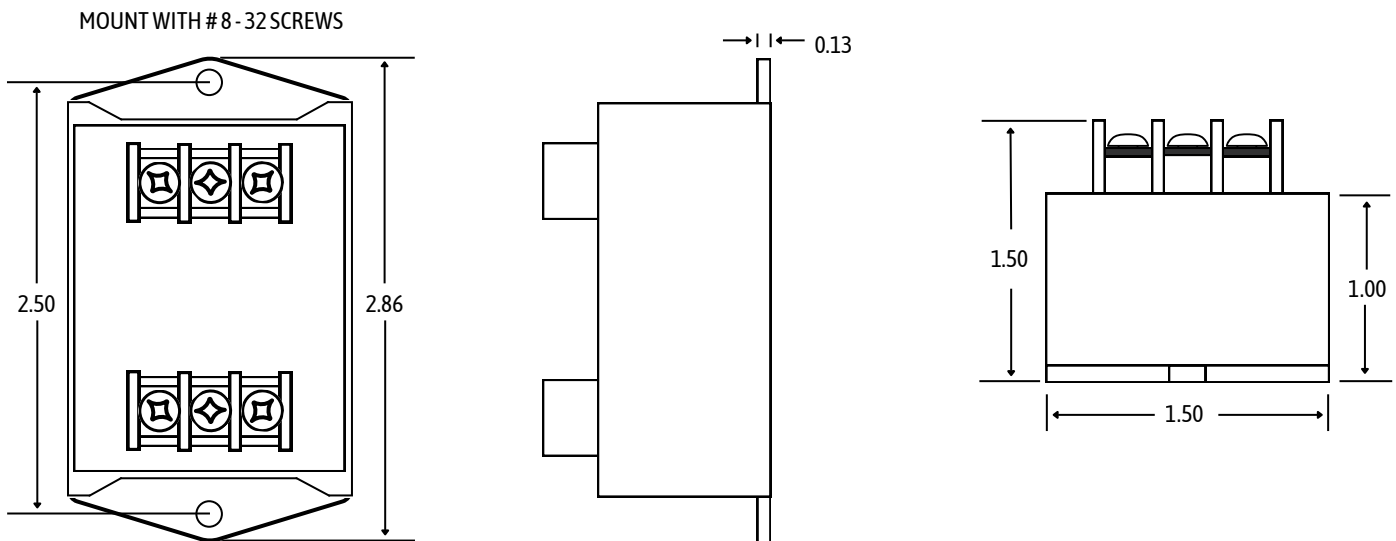
Touchbolt™ Switch TBM5-TERM Cont'd



Wiring Diagram



Deminsions



Model No.: TBM5-TERM

Stock No.: 500380

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