

# 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 125VAC or 1 amp at 30VAC/30VDC.

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

Number of operations under 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.

Maximum total distance between the touch controller and the stainless-steel bolt is 8 ft. Touch-sense must be run in 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 factory for application assistance.

Screw terminals provided are rated for use with wire sizes the range of #16-22 AWG 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 24VDC (+) power input, the 24VAC/24VDC terminals are used to provide power to operate the touch controller. 24VAC or 24VDC power must be applied at all times for proper controller operation. Connect 24VAC or 24VDC (-) 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 to 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. Activation 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

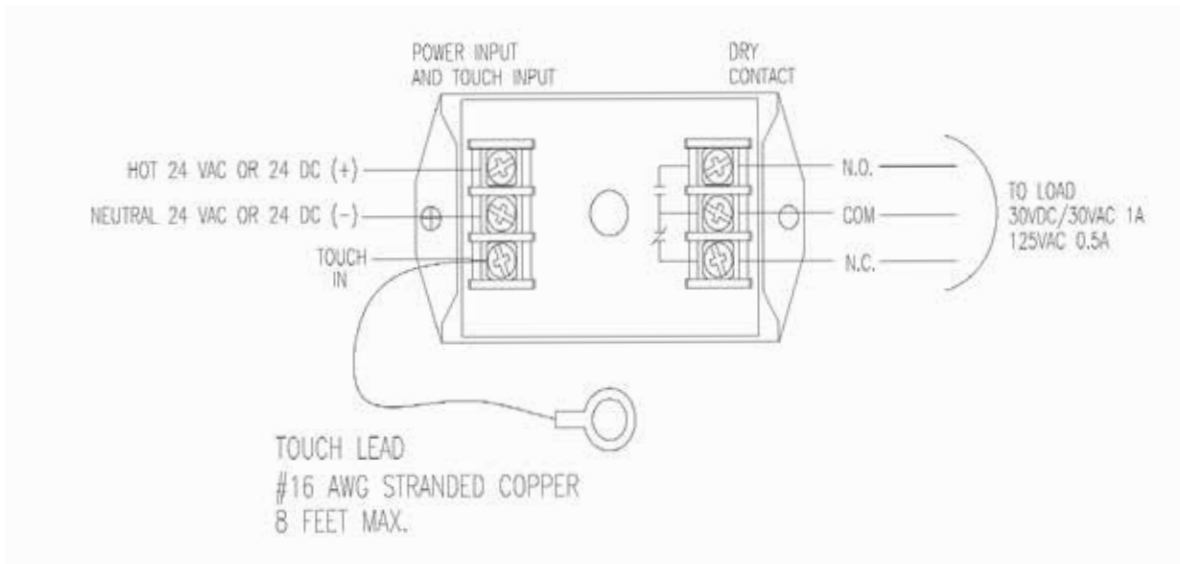
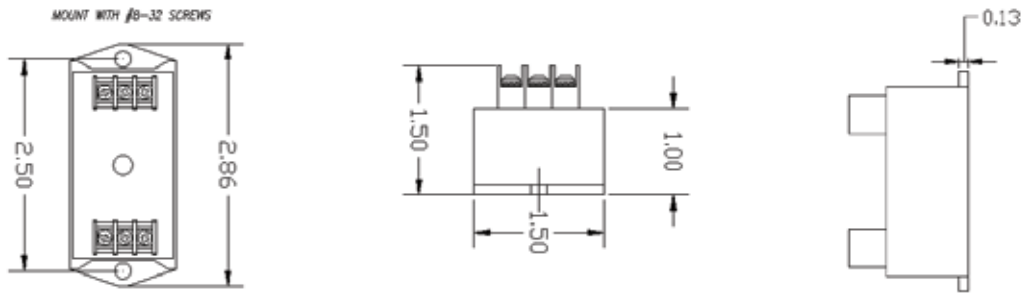
Faceplate and Touchbolt™ Assembly not included with the standard TBM5-TERM unit.

## 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.



## WIRING DIAGRAM

# ORDERING INFORMATION

For standard TBM5-TERM. All other inquires, please consult the factory.

**Model No.** TBM5-TERM

**Stock No.** 500380



### HEADQUARTERS

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CONTACT US FOR PROJECT  
REFERENCE INFORMATION



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