

# Line Voltage Thermostat

COOLING THERMOSTAT

1A22-7

## Specifications

Switch	Snap action, single pole single throw, normally open. Closes on temperature rise.
Rating	13.8 FLA, 82.8 LRA, 3/4 Hp at 120 VAC 10.0 FLA, 60.0 LRA, 1-1/2 Hp at 240 VAC
Temperature range	130 °. to 90°F.
Fixed differential	15°F. nominal
Listing	U.L.

2. Be sure the horsepower rating of the fan motor does not exceed the rating of the thermostat.
3. Turn off power before wiring and installing the thermostat.
4. The complete installation should be done by a qualified electrician.

## Installation

This installation should be done by a qualified electrician.

The thermostat must be mounted in an approved electrical outlet box which has been installed and wired in compliance with the National Electrical Code and all applicable local codes and ordinances.

Location of the thermostat is very important to insure optimum temperature control. For best results this should be:

1. In the room or crawlspace where the temperature is to be controlled.
2. On an inside wall, partition or post; three feet or more from the nearest outside wall or roof; as high as convenient above the floor.
3. Away from open windows, direct sunlight, drafts, heating or cooling ducts, and water pipes.

Turn off power before connecting thermostat. Strip insulation back 1 1/8" from the end of both control wires. Remove one terminal screw from switch. Loop stripped end of wire around screw and between brass pressure plates. Replace screw, dress wire, and tighten securely. Repeat for other terminals.

Remove cover by pulling straight forward from base. Dress wires to fold conveniently and carefully insert thermostat into the outlet box with the control knob toward the bottom. Avoid exerting pressure on the bi-metal element during this operation. Secure the base to the outlet box using the screws provided. Align the thermostat vertically before tightening the screw in the slotted hole.

Snap cover in place by pushing straight onto base, turn knob fully counterclockwise, restore power.

## Operation

To test operation of the thermostat completely, the temperature at the thermostat must be between 90° and 130 °F. Turn temperature control knob fully counterclockwise past 90° setting. Turn on power to fan. Turn knob slowly clockwise until fan starts; note temperature setting. Turn knob slowly counterclockwise until fan stops; temperature setting should be approximately 15° above the setting where the fan started. This completes the operational test.

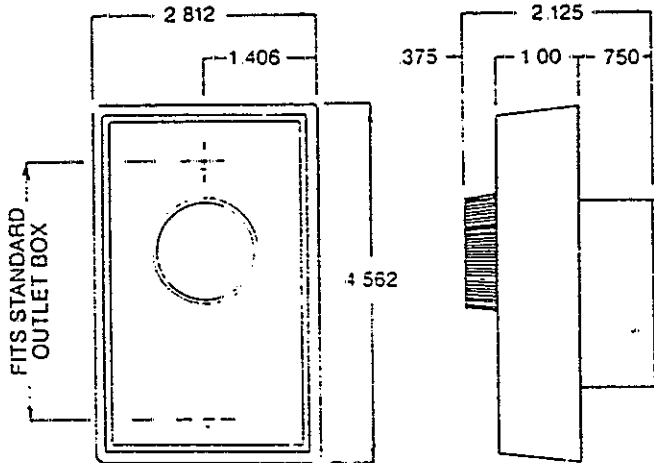


Figure 1

## General Safety Information

1. This line voltage thermostat must be mounted in an approved electrical outlet box which has been installed and wired in accordance with the National Electrical Code and all applicable local codes and ordinances.

## WIRING DIAGRAM

SPST

N.O. Closes  
on heat rise (cooling)

## WIRING DIAGRAM



tpi corporation

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