

TC119 Thermostat

- Rain Tight
- Remote Bulb
- Temperature Control
- Line Sensing



Description

The **TC119** thermostat is intended for any temperature control application requiring a rain tight enclosed mechanism and remote sensing. They tolerate continuous spraying with water, high humidity, and airborne contaminants and moderately corrosive conditions. The molded Noryl case is sealed at the cover with a neoprene gasket and the adjusting knob opening is closed with an "O" ring. The **TC119** thermostat is UL listed and meets the requirements for NEMA 4X enclosures. The sensing bulb and capillary are nickel plated.

High levels of accuracy and sensitivity are provided by the **TC119**. Switching is done by heavy duty, precision, snap action switches. Setting is accomplished by rotating the adjusting knob. The dial face is printed with large, contrasting numbers and letters on a lustrous background for good visibility. Force and motion for switch actuation are provided by changes in temperature expanding or contracting the fluid contained within the sensing bulb and transmitted hydraulically and through an appropriate linkage to the switch operator. Color coding clearly identifies the function of each electrical conductor.

Applications

- Constant Wattage Heater Cables
- Self Limiting Heater Cables

TC119 Thermostat

Characteristics

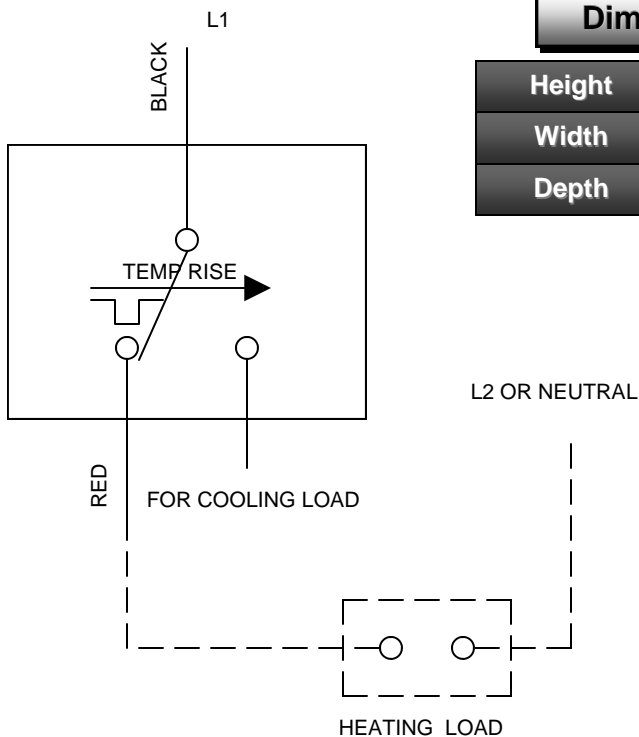
| Type | Range | Differential | Bulb Size | Capillary Length | Shipping Weight |
|------|-------------|--------------|----------------|------------------|-----------------|
| SPDT | 0°F - 120°F | 2.5°F | 3 3/16" x 3/8" | 10 Feet | 1.3 Lbs |

Mechanical Data

| ⚠ Electrical Ratings | | | | |
|-----------------------------------|--------|--------|--------|--------|
| | 120VAC | 208VAC | 240VAC | 277VAC |
| Full Load Amps | 16.0 | 13.2 | 12.0 | 10.0 |
| Locked Rotor Amps | 80.0 | 66.0 | 60.0 | 50.0 |
| Non-Inductive Resistive Load Amps | 25.0 | 25.0 | 25.0 | 22.0 |

Dimensions

| | |
|--------|---------|
| Height | 7" |
| Width | 3 5/16" |
| Depth | 2 5/16" |



Heating equipment, SPST switch, opens circuit on temperature rise.

MOUNTING: Surface, through holes in case flange.