

Bulb & Capillary Thermostats

Thermostat Styles and Selection

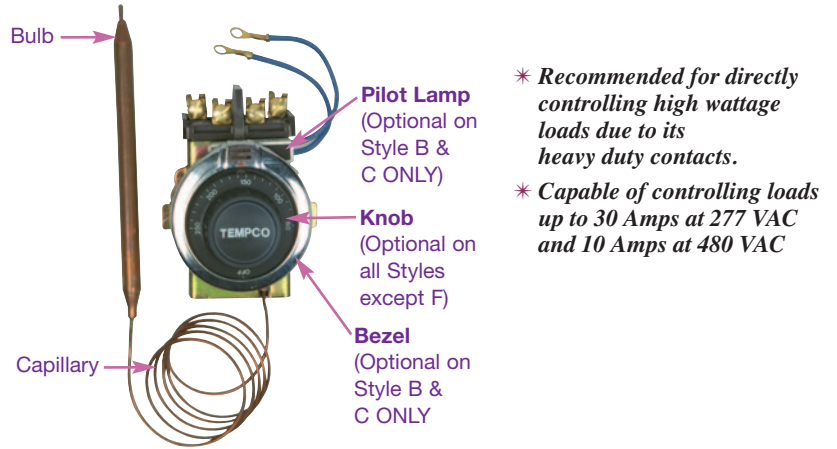
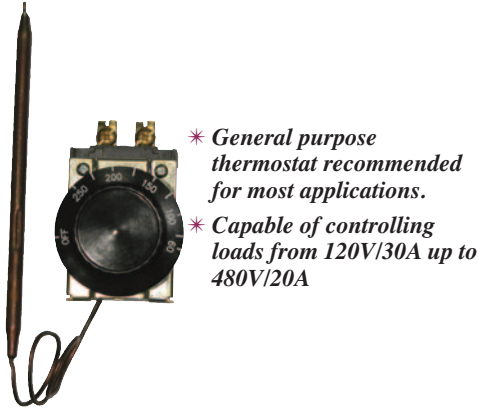
Construction Characteristics

This type of control operates by expansion and contraction of a liquid in response to temperature change. Liquid contained within the sensing bulb and capillary

flexes a diaphragm, causing the opening and closing of a snap-action switch. For heating applications the contacts are normally closed and open on temperature rise.

Style A Single-Pole Thermostat

Style B Double-Pole Thermostat



Thermostat Electrical Ratings: Normally Closed Contacts, Open on Temperature Rise – Adjustable Stock Items Are Shown In RED

| Control Type | Style | Temp Range °F | Ampacity at Line Voltage | | | | Bulb Dia. in | Bulb Length in | Capillary Length in | Terminals | Thermostat Part Number | Optional Thermostat Parts | | | Instruction Sheet P/N |
|--------------|-------|---------------|--------------------------|------|------|------|--------------|----------------|---------------------|-----------|------------------------|---------------------------|-------------|-------------|-----------------------|
| | | | 120V | 240V | 277V | 480V | | | | | | Knob | Bezel | Pilot Lamp | |
| SPST | A | 60–250 | 30 | 30 | 30 | — | 0.27 | 6.00 | 12 | #10 screw | TST-101-137 | TST-104-103 | n/a | n/a | IDP-119-102 |
| | | 60–250 | 30 | 30 | 30 | — | 0.38 | 4.63 | 48 | #10 screw | TST-101-131 | TST-104-103 | n/a | n/a | IDP-119-102 |
| | | 70–245 | 30 | 30 | 15 | 15 | 0.25 | 5.50 | 12 | #10 screw | TST-101-130 | Included | n/a | n/a | IDP-119-102 |
| | | 150–550 | 30 | 30 | 30 | — | 0.31 | 5.00 | 48 | #10 screw | TST-101-132 | TST-104-109 | n/a | n/a | IDP-119-102 |
| | | 150–560 | 30 | 30 | 30 | 20 | 0.33 | 3.70 | 12 | #10 screw | TST-101-113 | TST-104-109 | n/a | n/a | IDP-119-102 |
| | | 200–400 | 30 | 30 | 30 | 20 | 0.31 | 5.00 | 36 | #10 screw | TST-101-121 | TST-104-112 | n/a | n/a | IDP-119-102 |
| DPST | B | 30–110 | 30 | 30 | 30 | 10 | 0.38 | 6.31 | 36 | #10 screw | TST-110-101 | TST-104-110 | TST-111-101 | EHD-109-103 | IDP-119-105 |
| | | 60–250 | 30 | 30 | 30 | 10 | 0.38 | 3.88 | 18 | #10 screw | TST-110-124 | TST-104-103 | TST-111-101 | EHD-109-103 | IDP-119-105 |
| | | 60–250 | 30 | 30 | 30 | 10 | 0.38 | 3.88 | 24 | #10 screw | TST-110-125 | TST-104-103 | TST-111-101 | EHD-109-103 | IDP-119-105 |
| | | 60–250 | 30 | 30 | 30 | 10 | 0.38 | 3.88 | 36 | #10 screw | TST-110-126 | TST-104-103 | TST-111-101 | EHD-109-103 | IDP-119-105 |
| | | 60–250 | 30 | 30 | 30 | 10 | 0.38 | 3.88 | 60 | #10 screw | TST-110-102 | TST-104-103 | TST-111-101 | EHD-109-103 | IDP-119-105 |
| | | 60–250 | 30 | 30 | 30 | 10 | 0.38 | 4.5 | 156 | #10 screw | TST-110-118 | TST-104-103 | TST-111-101 | EHD-109-103 | IDP-119-105 |
| | | 100–550 | 30 | 30 | 30 | 10 | 0.38 | 3.13 | 24 | #10 screw | TST-110-117 | TST-104-104 | TST-111-101 | EHD-109-103 | IDP-119-105 |
| | | 100–550 | 30 | 30 | 30 | 10 | 0.38 | 3.88 | 48 | #10 screw | TST-110-103 | TST-104-104 | TST-111-101 | EHD-109-103 | IDP-119-105 |



- Notes:**
- Knobs, Bezels and Pilot Lamps are optional and must be ordered separately from the thermostat.
 - Knob TST-104-119 graduated in °C (15-120) is available as an alternate for the standard TST-104-103 knob graduated in °F (60-250).
 - For Thermostat Enclosures refer to page 11-9.