

Bulb and Capillary Thermostats

Thermostat Styles and Selection

Construction Characteristics

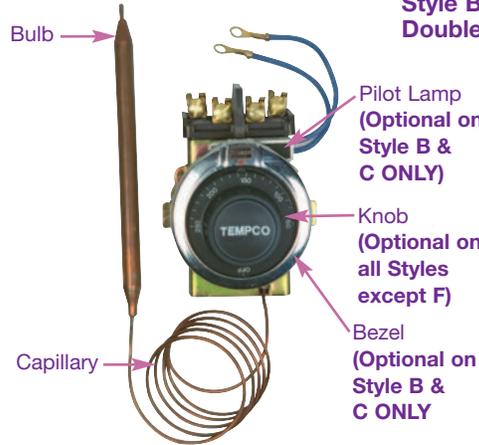
This type of control operates by expansion and contraction of a liquid in response to temperature change. Liquid contained within the sensing bulb and capillary flexes a diaphragm,

causing the opening and closing of a snap-action switch. For heating applications the contacts are normally closed and open on temperature rise. See Page 13-77 for typical wiring diagrams.



Style A
Single-Pole Thermostat

- * General purpose thermostat recommended for most applications.
- * Capable of controlling loads from 120V/30A up to 480V/20A



Style B
Double-Pole Thermostat

- * Recommended for directly controlling high wattage loads due to its heavy duty contacts.
- * Capable of controlling loads up to 30 Amps at 277 VAC and 10 Amps at 480 VAC

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 13-79.