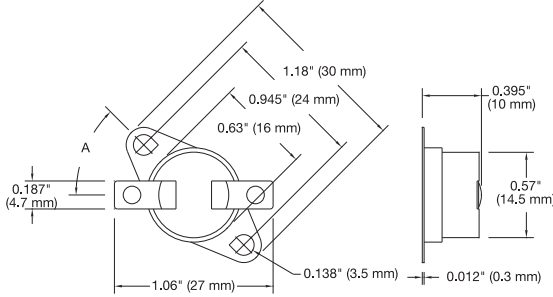


Surface Mount 1/2" Disc Pre-Set Snap Action Thermostats



Typical Applications

- Vacuum Cleaners
- Food Service Equipment
- Fireplaces
- Hot Plates
- Laboratory Applications



Construction Characteristics

This line of highly reliable switches utilizes a temperature sensitive disc electrically isolated from the switch. Contacts will open when surface or ambient temperatures increase to the snap point of the calibrated bimetal disc. The entire switch assembly is enclosed in a dust-free housing. The thermostats under 350°F setpoint have a phenolic housing. The thermostats with a setpoint of 350° and over have a ceramic housing. The bimetal disc is retained by a metal heat-conducting end cap.

These thermostats are used in a variety of applications. They are produced in an ISO 9000 certified factory to insure safe and reliable operation. All models are 100% factory inspected for temperature, continuity and function.

Specifications

Electrical Ratings Type S: 125 VAC, 15 Amps, Resistive
250 VAC, 8 Amps, Resistive
100,000 Cycles

Inductive Load Ratings: 120 VAC, 5.8FLA, 34.8LRA
240 VAC, 2.9FLA, 17.4LRA
6,000 Cycles

Operating Temp. Range: 50 to 500°F (10 to 260°C)

Environmental Temp.: 32 to 350°F (0 to 177°C)

Insulation Resistance: 100M ohms or more (500 VDC megger)

Circuit Resistance: 50m ohms or less (initial value)

Dielectric Strength: 1,500 VAC / 1 minute

Approvals: UL, cUL, CSA, VDE, Demko

All Items Available from Stock

Standard Stock Surface Mount Disc Thermostat Temperature Ratings

Open °F	Close °F	Open °C	Close °C	Mounting	Terminals	Dim A	TEMPCO Part Number
50 ±5	32 ±10	10.0 ±2.8	0 ±5.6	Surface Mount	Solder Tab	45°	TST-112-105
60 ±5	40 ±7	15.6 ±2.8	4.4 ±3.9	Surface Mount	Solder Tab	45°	TST-112-106
80 ±5	50 ±9	26.7 ±2.8	10.0 ±5.0	Surface Mount	Vertical, 0.250 quick connect	90°	TST-112-107
95 ±5	77 ±9	35.0 ±2.8	25.0 ±5.0	Surface Mount	Horizontal, 0.250 quick connect	90°	TST-112-142
120 ±5	90 ±10	48.9 ±2.8	32.2 ±5.6	Surface Mount	Solder Tab	45°	TST-112-108
130 ±5	100 ±10	54.4 ±2.8	37.8 ±5.6	Surface Mount	Solder Tab	45°	TST-112-109
140 ±5	110 ±10	60.0 ±2.8	43.4 ±5.6	Surface Mount	Solder Tab	45°	TST-112-101
150 ±5	120 ±10	65.6 ±2.8	48.9 ±5.6	Surface Mount	Solder Tab	45°	TST-112-110
160 ±5	130 ±10	71.1 ±2.8	54.4 ±5.6	Surface Mount	Solder Tab	45°	TST-112-111
175 ±5	145 ±10	79.4 ±2.8	62.8 ±5.6	Surface Mount	Vertical, 0.250 quick connect	45°	TST-112-112
180 ±5	150 ±10	82.2 ±2.8	65.6 ±5.6	Surface Mount	Solder Tab	45°	TST-112-113
190 ±5	160 ±10	87.8 ±2.8	71.1 ±5.6	Surface Mount	Solder Tab	45°	TST-112-114
200 ±5	170 ±10	93.3 ±2.8	76.7 ±5.6	Surface Mount	Solder Tab	45°	TST-112-115
210 ±5	180 ±10	98.9 ±2.8	82.2 ±5.6	Surface Mount	Horizontal, 0.187 quick connect	45°	TST-112-116
230 ±7	200 ±10	110.0 ±3.9	93.3 ±5.6	Surface Mount	Vertical, 0.250 quick connect	90°	TST-112-117
250 ±7	220 ±10	121.1 ±3.9	104.4 ±5.6	Surface Mount	Solder Tab	45°	TST-112-118
300 ±7	220 ±14	148.9 ±3.9	104.4 ±7.8	Rotating Bracket	Vertical, 0.250 quick connect	N/A	TST-112-119
350 ±14	290 ±20	176.7 ±7.8	143.3 ±11.1	Rotating Bracket	Horizontal, 0.187 quick connect	90°	TST-112-120
375 ±14	315 ±18	190.6 ±7.8	157.2 ±10.0	Rotating Bracket	Horizontal, 0.187 quick connect	90°	TST-112-121
392 ±18	194 ±29	200.0 ±10.0	90.0 ±16.1	Rotating Bracket	Horizontal, 0.187 quick connect	90°	TST-112-122
400 ±10	340 ±12	204.4 ±5.6	171.1 ±6.7	Rotating Bracket	Horizontal, 0.187 quick connect	90°	TST-112-123
425 ±15	375 ±20	218.3 ±8.3	190.6 ±11.1	Rotating Bracket	Horizontal, 0.187 quick connect	90°	TST-112-124
450 ±15	370 ±20	232.2 ±8.3	187.8 ±11.1	Rotating Bracket	Horizontal, 0.187 quick connect	90°	TST-112-125
500 ±20	420 ±20	260.0 ±11.1	215.6 ±11.1	Rotating Bracket	Horizontal, 0.187 quick connect	90°	TST-112-126