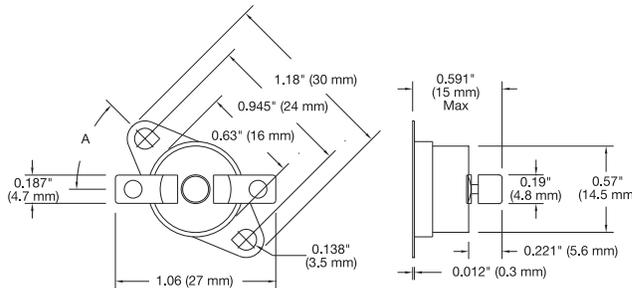


### High Limit Surface Mount Disc Thermostats with Manual Reset

#### Construction Characteristics

This line of highly reliable switches utilizes a snap-action bimetal disc electrically and thermally isolated from the switch. The contacts are normally closed and open on rise when surface or ambient temperature setpoint is reached. The circuit will remain open until the manual reset button is depressed at approximately 30% below its operating temperature. All models are 100% temperature tested and can be calibrated to your specification at the factory. Many popular settings are available from stock.



#### Specifications

- Electrical Ratings Type U:** 125 VAC, 15 Amps, Resistive  
250 VAC, 10 Amps, Resistive  
6,000 Cycles
- Inductive Load Ratings:** 120 VAC, 5.8FLA, 34.8LRA, 12 Amps  
250 VAC, 2.9FLA, 17.4LRA  
6,000 Cycles
- Operating Temp. Range:** 50 to 320°F (10 to 160°C)
- Differential:** 15 to 100°F (8 to 56°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

#### Typical Applications

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

#### Ordering Information

Choose the **Part Number** of the 1/2" Thermostat from the tables on pages 13-82 and 13-83 that match the needs for your application.

We also offer other styles of 1/2" Thermostats with alternate setpoints. Consult Tempco for availability.

**Standard lead time is stock to 3 weeks.**

#### Standard Stock High Limit Manual Reset Thermostats

Open °F	Open °C	Mounting	Terminals	Dim A	TEMPCO Part Number
150 ±10	65.6 ±5.6	Rotating Bracket	Vertical, 0.250 quick disconnect	N/A	TST-115-101
160 ±10	71.1 ±5.6	Surface Mount	Solder tabs	45°	TST-115-102
194 ±10	90.0 ±5.6	Surface Mount	Solder tabs	90°	TST-115-103
212 ±10	100.0 ±5.6	Rotating Bracket	Horizontal, 0.250 quick disconnect	N/A	TST-115-104
250 ±10	121.1 ±5.6	Surface Mount	Solder tabs	45°	TST-115-105
302 ±10	150.0 ±5.6	Surface Mount	Vertical, 0.250 quick disconnect	45°	TST-115-106
320 ±10	160.0 ±5.6	Surface Mount	Horizontal, 0.250 quick disconnect	45°	TST-115-107

Available from Stock



**Note:** "Rotating Bracket" mounting indicates that the mounting holes can be rotated vs. the solder tabs and for "Surface Mount" they are fixed.

**⚠ WARNING:** Cancer and Reproductive Harm - [www.P65Warnings.ca.gov](http://www.P65Warnings.ca.gov).

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