



### DESCRIPTION

A bimetal temperature switch with grounded body switching and built in thermistor output. It is used for mobile or automotive applications where a switch and indicator output are both required.

### FEATURES

- Temperature switch and sensor
- Compact size
- Low differential

### APPLICATIONS

- Coolant temperature switch/sensor
- Lubrication systems
- Oil reservoir temperature switch/sensor

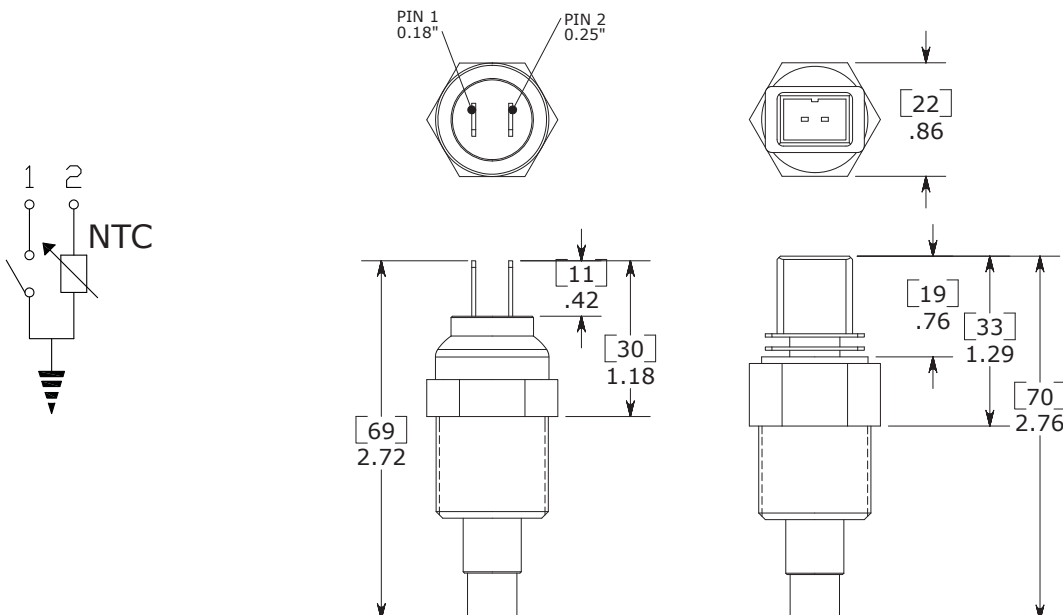
### Specifications

|                            |   |
|----------------------------|---|
| Electrical                 | 5A [12/24 VDC, 125 VAC]<br>3A [250 VAC] |
| Switch Type                | Bimetal                                 |
| Protection                 | Terminals IP00, Body IP65               |
| Temperature Range          | 77°F - 293°F (25°C - 145°C)             |
| Temperature Differential   | 10°F (5°C)                              |
| Temperature Exposure Limit | 300°F (149°C)                           |
| Housing Material           | Brass (Optional Stainless Steel)        |
| Maximum Overpressure       | 350 PSI (24.1 BAR)                      |
| Weight                     | 0.25 lbs (0.11 kg)                      |

### Temperature

| Temperature Setpoint |          |
|----------------------|----------|
| °F                   | °C       |
| 77 - 293             | 25 - 145 |

### Dimensions



### Wiring Code

| CONTACT                 | SPADE | FLYING LEADS | FLWF / FLWM WEATHERPACK | FLDR / FLDP DEUTSCH RECEPTACLE / PLUG |
|-------------------------|-------|--------------|-------------------------|---------------------------------------|
| PIN 1 - NORMALLY CLOSED | 0.18" | RED          | PIN A                   | PIN 1                                 |
| PIN 1 - NORMALLY OPEN   | 0.18" | RED          | PIN A                   | PIN 1                                 |
| PIN 2 - NTC             | 0.25" | BLACK        | PIN B                   | PIN 2                                 |

### Ordering Information

**Factory Preset**    **S1TAF** - <sup>1</sup>**120F** - <sup>2</sup>**4M** - <sup>3</sup>**B** - <sup>4</sup>**SP** - <sup>5</sup>**3**

#### 1 - Temperature Selection

Insert set point value XXX followed by: R, F

| Set point | Direction | Description        |
|-----------|-----------|--------------------|
| XXXX      | R         | Fahrenheit Rising  |
|           | F         | Fahrenheit Falling |

#### 2 - Thread Options:

- 4M** - 1/4 NPT male
- 6M** - 3/8 NPT male
- 8M** - 1/2 NPT male

#### 3 - Circuit:

- A** - SPST (Normally Open), NTC 2000
- B** - SPST (Normally Closed), NTC 2000

#### 4 - Electrical Termination:

- SP** - 1/4" Spades
- J** - Junior Power Connector AMP 106462/1
- FL** - Flying Lead 18" long, 18 AWG
- FLWF** - Flying Lead Weatherpack connector, female, 10" long leads
- FLWM** - Flying Lead Weatherpack connector, male, 10" long leads
- FLDP** - Flying Lead Deutsch connector, plug, 10" long leads
- FLDR** - Flying Lead Deutsch connector, receptacle, 10" long leads

#### 5 - Options:

- 3** - 316 Stainless Steel Housing

