

# TS SERIES

## FIXED TEMPERATURE SWITCH CUSTOM SET TEMPERATURE

### DESCRIPTION

The TS Series Fixed Temperature Switch is an electromechanical device designed to detect a variation in the temperature of liquids and gases. The TS enables the user to customize a single fixed temperature setpoint between +50° F (+10° C) and +250° F (+121.1° C). Comprised entirely of 316L stainless steel, additional switch options include normally-open or normally-closed contacts.

### PRINCIPLE OF OPERATION

As the process temperature around the switch rises, gas filled within the stem expands. A membrane within the switch body mechanically activates a snap action switch once it closes the electrical circuit.

### KEY FEATURES

- Compact Size
- Repeatability of  $\pm 2\%$  of Sensor Capacity
- Custom Temperatures From +50° to +250° F (+10° to +121.1° C)
- Vibration & Ambient Temperature Protection
- Thermal Isolation Between Switch & Sensor
- Fast Response & Accurate Temperature Control
- Normally-Open or Normally-Closed Contacts






### ENVIRONMENTAL

- Ambient Temperature: -65° to +225° F (-54° to +107° C)
- Process Temperature: -45° to +275° F (-42.8° to +135° C)
- Process Pressure: 1,000 PSIG (68.9 bar)
- Construction Material: 316L Stainless Steel

### ELECTRICAL

- Switch Rating: 4 Amps at 240 VAC / 24 VDC

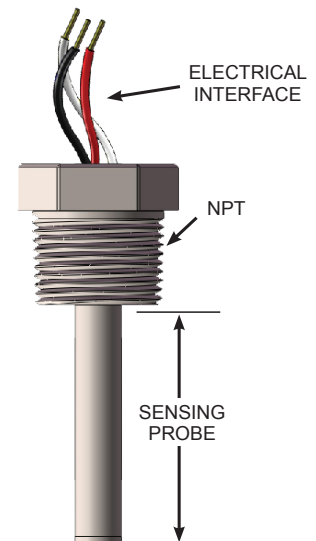
### APPLICATIONS

-  Oil & Gas Equipment
-  Medical Equipment
-  Pharmaceutical Machinery
-  Automotive Components
-  Food & Beverage Machinery



TS125

### DIMENSIONS



TS125

