

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

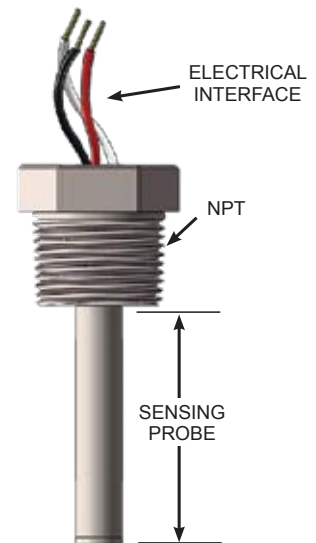
APPLICATIONS

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



TS125

DIMENSIONS



TS125

