

# 1173T Temperature Switch

## Miniature Temperature Pressure Switch

Nega-Rate® Belleville disc spring/diaphragm sensing mechanism combined with a saturated vapor probe thermal system ensures quick response and repeatable set points.

- Hermetically sealed temperature switch
- Welded stainless steel construction



## General Specifications

- Set point range from:
  - 40°F to +550°F
  - (-40°C to +288°C)
- Calibration tolerance  $\pm 10^\circ\text{F}$
- Deadband range from 7°F minimum
- Probe proof temperature up to 100°F above set point or 600°F maximum
- Probe proof pressure up to 1500 psig
- SPDT snap action switch element
- Electrical chamber hermetically sealed per MIL-HDBK-5400 Para. 3.8
- Temperature Range:
  - Ambient -65°F to +275°F
  - (-54°C to +135°C)
- Vibration capability to 15G's
- Time constant less than 10 seconds

## Optional Features

- Dry circuit to 7 amps 28 VDC electrical rating
- DPDT snap action switch element or patented Shunt-Disc®
- Electrical connector per most military specifications or wire leads
- Pressure connection per most military specifications
- Probe proof pressure to 4500 psig
- Operating (ambient) temperature up to 400°F (204°C)
- Vibration capabilities up to 25G's with a switch element, or 100G's (high frequency) with a patented Shunt-Disc®
- QPL Listing per MIL-DTL-28827
- Flame-proof capability
- Manual reset indicator

## Heritage

The Series 1173T is used in numerous applications including Commercial and Military Aircraft (Fixed Wing and Rotary), Military Missiles and Tanks.

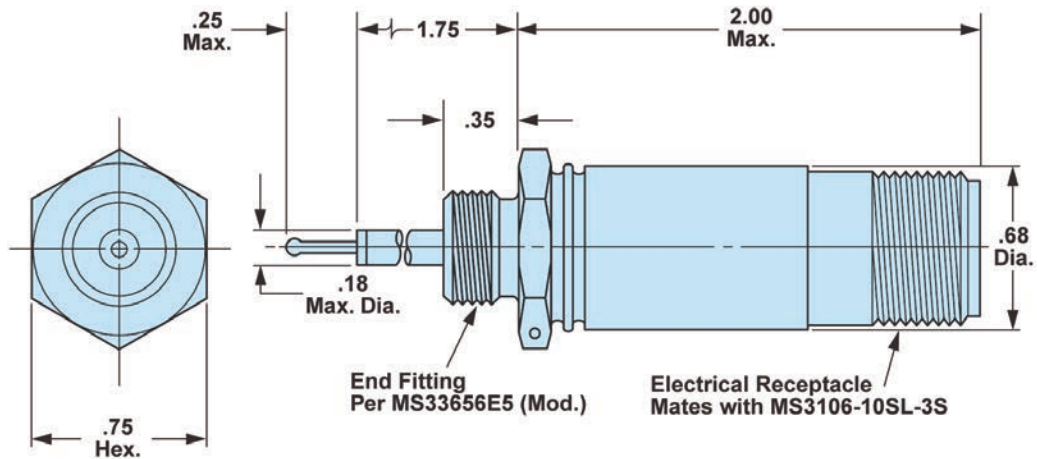


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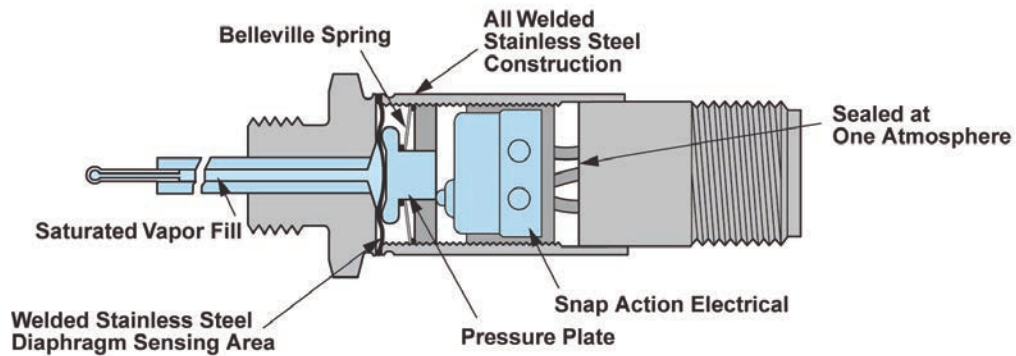
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## Envelope Dimensions



## Basic Principles of Design



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Specifications and dimensions subject to change.