


# SERIES 08-06 Surface Mount Type

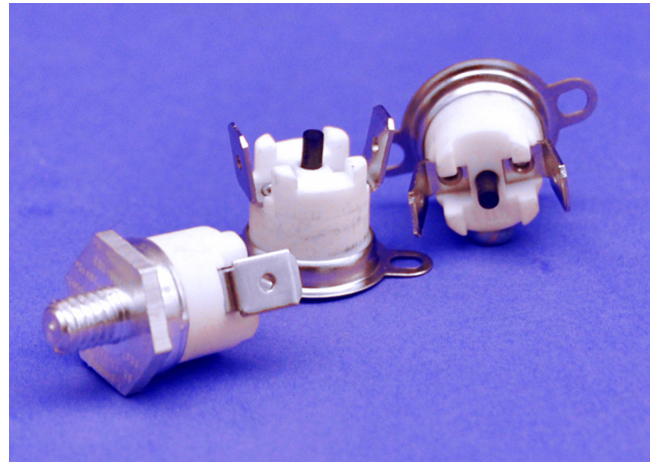
## Bimetal Temperature Limiting Thermostats

### Temperature Range 300-450°F with Manual Reset



#### FEATURES

- C.S.A. File Report Number 2625907 
    - CAN/CSA C22.2 No. 0-10 - General Requirements - Canadian Electrical Code, Part II - Tenth Edition
    - CSA Std C22.2 No. 24-93 - Temperature-Indicating and -Regulating Equipment (including update no. 2)
    - UL873 Jan 6, 2012 - Temperature-Indicating and -Regulating Equipment - Twelfth Edition
  - Snap Action Switching
  - 100% Factory Temperature tested
  - Tamperproof, pre-set temperature
  - Shock and vibration resistant
  - RoHS compliant
  - Electrical Rating\*
    - 0.5 Amp at 50VDC (Resistive)
    - 15 Amp at 120 VAC (Resistive)
- \*6000 Cycle



#### APPLICATIONS

- Domestic Water Heaters
- Food Service Equipment
- HVAC

#### DESCRIPTION

The Series 08-06 utilizes a snap-acting bimetal disc mounted in an aluminum housing to sense surface temperature. This provides repeatable thermal response and positive contact action when the preset temperature is reached. The normally closed contacts open when the temperature rises to or above the set point. This opens the circuit, which remain open until the manual reset button is depressed at a temperature below the nominal operating temperature, minus tolerance.

Different mounting configurations and terminations are available for various applications. Contact Fenwal with your specific requirements.

#### SPECIFICATIONS

**Switch Action:** SPST (normally closed)

**Dielectric Strength:** 1500 VAC terminals to case

**Insulation Resistance:** 100 Megohms minimum at 500VDC

#### SETTINGS AND TOLERANCES

Series	Temperature Range	Temperature Tolerance
08-06	300°F to 450°F (148°C to 252°C)	±18°F (±10°C)

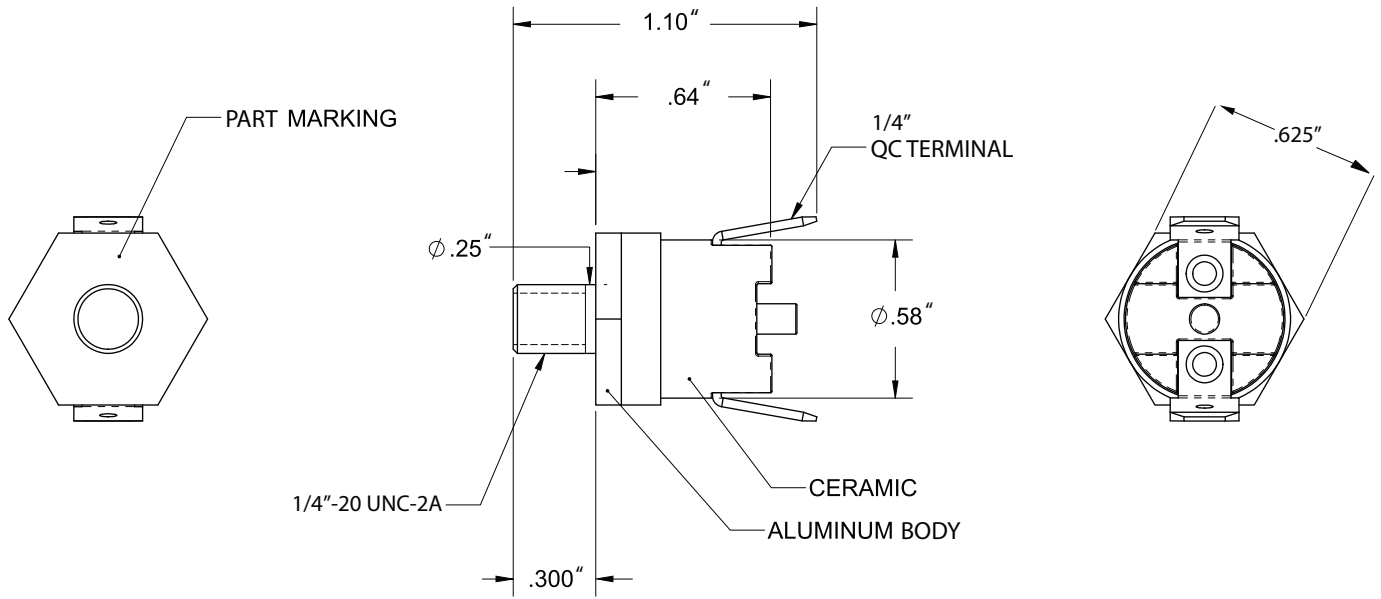
**Note:** Each Fenwal 08-06 is 100% tested at the factory for temperature setting and conformance to specifications. The actual installed performance in the field may vary due to the nature of the installation. The customer is responsible for determining fitness for use in their specific equipment.

#### TEST SAMPLES

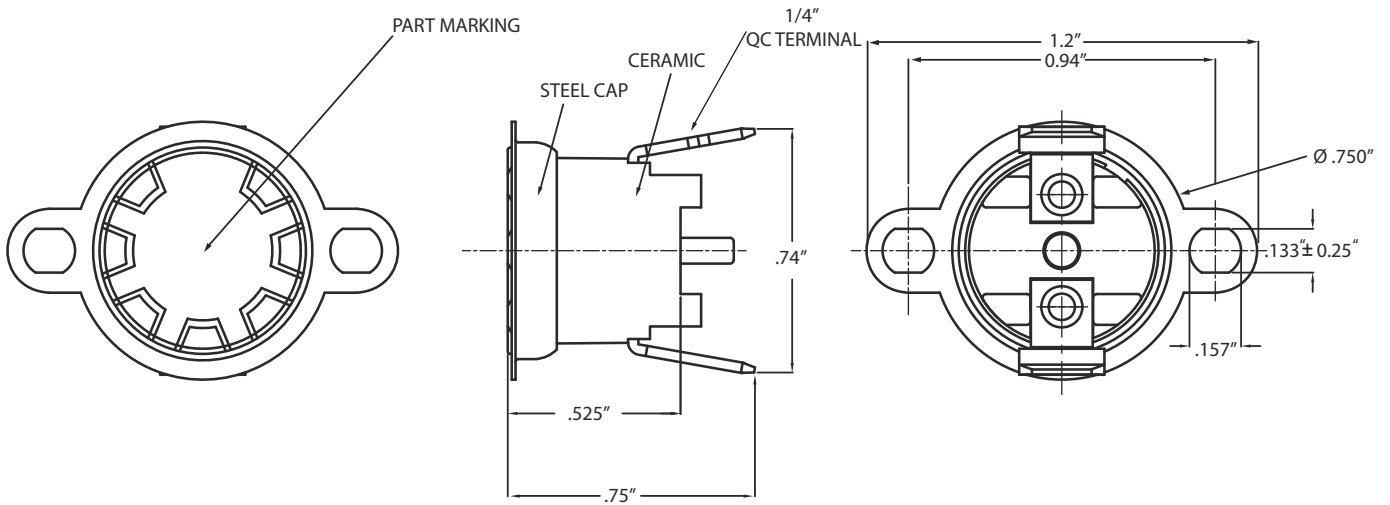
Operating samples can be supplied for application tests. A completed Fenwal Snap Disc Application Data Form is required to select and produce a sample pre-set to a specified requirement. Application Data Forms are available at: [www.fenwalcontrols.com](http://www.fenwalcontrols.com) or your local Fenwal sales representative.

PLEASE NOTE: the Fenwal 08-06 Series are designed for high volume OEM production requirements and are built-to-order in minimum order quantities of 2500 pieces.

**TYPICAL DRAWING - SURFACE MOUNT**



**TYPICAL DRAWING - FLANGE MOUNT**



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