



T1000E PROBE Fixed Temperature Heat Switch

Product Overview:

The **T1000E PROBE Fixed Temperature Heat Switch** is a heat sensitive electrical switch with a factory pre-set temperature in the range 60 °C to 240 °C.

The detector comprises a pair of normally-open electrical contacts mounted within a stainless steel probe. A rise in temperature closes the contacts at the set-point temperature. A drop in temperature reverses the procedure and the contacts re-open below the set-point temperature.

The detector body is a seamless one-piece unit, precision machined from AISI316 stainless steel with high corrosion resistance.

Electrical contacts are gold/silver plated and lead cables are nickel plated copper with PTFE/glass insulation. Cables are to aircraft engine specification.

The operating parts are factory calibrated and sealed against severe environmental conditions, field adjustment or calibration is not required.



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Features:

- » Resetting 'Type E' Heat Detector
- » Rate compensation and fast response
- » Wide temperature range
- » Gold plated electrical contacts
- » Corrosion and shock resistant
- » Dual mounting threads

Specifications:

» Contacts	Normally-Open, Close on Temperature Rise
» Applied Voltage AC @ 0.5 A	240 VAC maximum @ 50 Hz
» Applied Voltage DC @ 0.5 A	24 VDC maximum
» Operating Current	0.5 A maximum
» Sensitivity and Accuracy	± 5 % or 5 °C
» Operating or set Temperature	60 °C to 240 °C
» Ambient Continuous Temperature Range	- 40 °C to 180 °C
» Relative Humidity	100 %
» Ingress Protection Rating	IP67
» Weight	140 g
» Mounting Screw Thread Torque	10 kg maximum

Notes:

1. All electrical ratings apply to non-inductive loads. Ensure circuit in-rush currents do not exceed ratings.
2. Where a detector has been subjected to a fire or overheat, the unit should be returned to Pertronic for condition check and calibration.

Temperature Settings:

Detectors may be set to any nominated temperature between 60 °C and 240 °C - suggested temperature setting 50 °C above maximum ambient.

Listings and Approvals:

- » ActivFire: afp-979

Ordering Information:

Product Code	Description
T1000E 60°C	Model 1000E Probe Detect at 60°C
T1000E 70°C	Model 1000E Probe Detect at 70°C
T1000E 80°C	Model 1000E Probe Detect at 80°C
T1000E 90°C	Model 1000E Probe Detect at 90°C
T1000E 100°C	Model 1000E Probe Detect at 100°C
T1000E 115°C	Model 1000E Probe Detect at 115°C
T1000E 120°C	Model 1000E Probe Detect at 120°C
T1000E 130°C	Model 1000E Probe Detect at 130°C
T1000E 140°C	Model 1000E Probe Detect at 140°C
T1000E 150°C	Model 1000E Probe Detect at 150°C
T1000E 160°C	Model 1000E Probe Detect at 160°C
T1000E 180°C	Model 1000E Probe Detect at 180°C
T1000E 200°C	Model 1000E Probe Detect at 200°C
T1000E 220°C	Model 1000E Probe Detect at 220°C
T1000E 240°C	Model 1000E Probe Detect at 240°C