

HIGH TEMPERATURE HEAT DETECTOR



Heat Detector Model 1000



DESCRIPTION

The Thermac detector is a heat sensitive electrical switch. It is a fixed temperature device 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 will cause the contacts to close at the set point temperature. With a drop in temperature the procedure reverses and the contacts re-open below the set point temperature.

The detector body is a seamless one-piece unit, precision machined from AISI 316 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, further adjustment or calibration is not required.

APPROVALS

- AS1603.1-1995 TESTED- Type E HEAT DETECTOR
- Activefire Listed (CSIRO Aust. Govt.)

TEMPERATURE SETTING

Detector may be set to any nominated operating temperature between 60 and 240 degree celsius. Suggested temperature setting 20°C above maximum ambient.

FEATURES

- Resetting Type Heat Detector
- Rate Compensation & Fast Response
- Wide Temperature Range
- Gold Plated Electrical Contacts
- Corrosion & Shock Resistant
- Single Mounting Thread -Model 1000 - 1 Metric M20
- Dual Mounting Thread - Model 1000 -2 Metric M20 & 1/2" NPT
- Intrinsically Safe : Classed As a Simple Apparatus and Installed with a Suitable I.S. Barrier.

SPECIFICATION

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Contacts	Normally open, close on temperature rise
Applied Voltage AC @ 0.25 A	32 V max
Applied Voltage DC @ 0.25 A	32 V max
Operating Current	0.25A max
Operating or Set Temperature Range	+60°C to +240°C
Ambient Temperature Range : (continuous exposure)	-40°C to +180°C
Relative Humidity	100%
Weight	150 g
Degree of Protection	IP 67
Sensitivity & Accuracy	+/-5% or 5 Degrees
Mounting Screw Threads	10 kgm torque max

NOTES:
 1. All electrical ratings apply to noninductive loads. Ensure circuit inrush currents do not exceed ratings.
 2. Where a detector has been subjected to a fire or overheat, the unit should be returned to thermac for condition check and calibration.