



THERMAC™



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. 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.

Specification

Contacts	Normally open, close on temperature rise.
Applied Voltage AC @ 0.25A	32 V max.
Applied Voltage DC @ 0.25A	32 V max.
Operating Current:	0.25A max.
Operating/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:

- 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.