



ODYSSEY INTELLIGENT DETECTOR (200-501)

The Odyssey Heat Detector monitors temperature by using a single thermistor which provides a count output proportional to the external air temperature.

Ideal for environments that are dirty or smoky under normal circumstances. Unaffected by wind or atmospheric pressure.

KEY FEATURES

- The Heat Detector is designed to be connected to a two wire loop circuit carrying both data and a 17 V to 28 V dc supply
- The detector is connected to the incoming and outgoing supply via terminals L1 and L2 in the mounting base
- The Odyssey Heat Detector range is unaffected by wind or atmospheric pressure. Standard detectors operate over the temperature range -20°C to +70°C

TECHNICAL SPECIFICATION

Detection principle	Linear approximation over
temperature range	250 °C to 90 °C
Sensor	Single NTC thermistor
Sampling frequency	Continuous
Sensitivity 90 OC:	55 counts
Supply voltage	17 V to 28 V dc
Digital communication	Odyssey
Modulation voltage	5 V - 9 V peak to peak
Quiescent current	300 µA
Power-up surge current	1 mA
Analogue value at 25°C	25 ± 5 counts
Alarm indicator	Red light emitting diode (LED)
Alarm LED current	4 mA
Remote LED current	Internal 4.5 k to +ve line (5 mA max)
Storage temperature	-30°C to +80°C
Operating temperature	-20°C to +70°C
Humidity (no condensation or icing)	0% to 95% RH
Vibration, impact and shock	To EN 54 - 5
IP Rating	IP54
Dimensions	100mm diameter x 42 mm height
Weight	105 g
Material	Housing: White flame retardant polycarbonate

STANDARDS & APPROVALS

