

INTRINSICALLY SAFE HEAT FLUX DETECTOR

AE/IS-DTV

Description

Low profile intrinsically safe heat detector. AE/IS-DTV heat detectors have an open housing that allows air to flow freely through a thermistor that measures the air temperature every two seconds. The microprocessor stores the temperatures and compares them to preset values to determine if the alarm level has been reached.

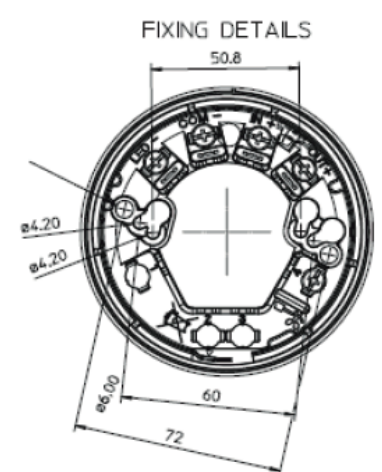
Static heat detectors respond only when a fixed temperature is reached. Heat detectors are used in applications where smoke detectors are not suitable.

Base for intrinsically safe detectors AE/IS-B

The intrinsically safe AE/IS-B base has been designed for quick and easy installation, with captive screws. The base is supplied with the screws unscrewed to avoid unnecessary work for the installer. It is required that all the detectors are placed with their LEDs in the same direction, the bases must be installed on the ceiling respecting the mark on the outside that indicates the position of the LED.

- Grouped terminals to facilitate wiring
- Multiple fixing centers
- LED alignment mark
- Wire Stripping Guide



TECHNICAL CHARACTERISTICS	DIMENSIONS
<p>Sampling rate: Once every two seconds</p> <p>Supply voltage: 14 V DC to 28 V DC</p> <p>Power Wiring: Two-wire power, polarity sensitive</p> <p>Polarity reversal: Not allowed</p> <p>Ignition time: < 20 seconds</p> <p>Minimum voltage 'active detector': 12 volts</p> <p>Inrush current 24V: 105 μA</p> <p>Average quiescent current at 24 V: 80 μA</p> <p>Alarm load: 325 Ω in series with a 1.0 V drop</p> <p>voltage min. maintenance: 5 V</p> <p>min voltage to turn on alarm LED: 6 volts</p> <p>Alarm reset voltage: < 1 V</p> <p>Alarm reset time: One second</p> <p>Alarm indicator Integral: indicator with 360° visibility</p> <p>Characteristic Remote output LED (-): 4.7 kΩ connected to power negative</p> <p>Operating and storage temperature: -40°C to +70°C</p> <p>Operating temperature restricted by intrinsically safe gas classification.</p> <p>Class T5: -40°C to +45°C</p> <p>Class T4: -40°C to +60°C</p> <p>protect it from condensation or formation of ice.</p>	<p>FIXING DETAILS</p> 
<p>Humidity (no condensation or frost): 0% to 98% RH</p> <p>IP Rating: IP23D</p> <p>Standards and approvals: EN54-5, CPD, LPCB, MED, LR, DNV-GL, BV, ABS, CCS, KRS, VdS, BOSEC, IECEx, ATEX, WEIGHT, SBSC and FG</p> <p>BASEEFA Certification: Bas06ATEX0007X</p> <p>Dimensions: 100 mm diameter x 42 mm height 100 mm diameter x 50 mm height with base</p> <p>Weight: 70g 130g with base</p> <p>Housing Material: White fireproof polycarbonate</p> <p>Terminals: Nickel-plated stainless steel</p>	<p>MOUNTING BASE ORB-MB-00001 TO BE ORDERED SEPERATELY</p> 