



ATJ-EN/SIL

Analogue Heat Sensor

Features

- ▶ SIL Level 2 approved
- ▶ Ideal for use in oil and gas environments
- ▶ User selectable modes
- ▶ Incorporates Fixed Temperature and Rate of Rise Heat elements
- ▶ Twin LEDs allow 360° viewing – green when polling, amber when isolating, red in fire
- ▶ Pulsing/non-pulsing controlled from panel*
- ▶ Electronically Addressed
- ▶ LPCB & Vds approved to Classes A1, B & C **



Description

Model ATJ-EN/SIL is a Heat Sensor, which has been independently assessed and approved for use in a SIL2, low demand safety function with regards to random failure rates.

The ATJ-EN/SIL incorporates a Variable Temperature heat element and a Rate of Rise heat element, both of which are controlled from the Control Panel, allowing either thermal element or both elements simultaneously to be active in making the fire decision. The sensor polling LEDs can also be controlled via the Control Panel (pulsing/non-pulsing)*.

Specification

Operating Voltage	17 – 41 VDC
Low Power Mode (typ)	110 µA
Quiescent Current (typ)	350 µA
Alarm Current (controlled by CIE)	9.1 mA (excluding remote indicator)
Transmission Method	Digital Communications Using ESP
Operating Temperature Range	-10 °C to + 50 °C
Operating Humidity	95% RH - Non Condensing (at 40 °C)
Storage Temperature Range	-30 °C to +60 °C
Storage Humidity	<80% RH at 70 °C
Colour / Case Material	Ivory or White / Polycarbonate
Weight (g)	95
Diameter (mm) / Height (mm)	100 / 45
Base Fixing Centres (mm)	48 ~ 74
Compatible Bases	YBO-BS, YBO-BSB2, YBN-R/3(SCI)

*Control Panel compatibility required

**Approval only on White and Ivory

Ordering Codes

Product	Part Number
Analogue Heat Sensor	ATJ-EN/SIL
Analogue Heat Sensor (White Case)	ATJ-EN(WHT)/SIL
Analogue Heat Sensor (Black Case)	ATJ-EN(BLK)/SIL