

ESPintelligent ATJ-EN(SCI)

Heat Sensor with SCI

Features

- ▶ 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*¹
- ▶ Electronically Addressed
- ▶ LPCB & VdS approved to Classes A1, B & C*³

Description

Model ATJ-EN(SCI) is a Heat Sensor with an integrated short-circuit isolator (SCI), which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The sensor 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)*¹.

The sensor features an integral SCI and must be used in conjunction with the YBV-R/4 mounting base to maintain SCI functionality.



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)
Current in Short Circuit	13.5 mA
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* ²	YBV-R/4 or YBV-R/4(WHT) , YBN-R/3, YBO-R/SCI, YBO-BS, YBO-BSB, YBN-R/3(SCI)

*¹ Control Panel compatibility required

*² YBV-R/4 base maintains SCI functionality. For further information on compatible bases please refer to Application Note AP144 available online.

*³ Approval only on White and Ivory

Product

Multi-Sensor with SCI

Multi-Sensor with SCI (White Case)

Part Number

ATJ-EN(SCI)

ATJ-EN(WHT)-SCI