# ESP
## Intelligent

# ATJ-EN
## Analogue Multi-Heat Sensor

## Features

▸ User selectable modes
▸ Incorporates Fixed Temperature and Rate of Rise Heat elements
▸ Twin LEDs allow 360° viewing – green when polling, turn red in fire
▸ Pulsing/non-pulsing controlled from panel*
▸ Electronically addressed
▸ LPCB & VdS approved to classes A1, B & C
▸ SIL Level 2 approved variants available.

## Description

Model ATJ-EN is a Multi-Heat Sensor, which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The ATJ-EN 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

| | |
|---|---|
| Ordering Code | ATJ-EN - Ivory / ATJ-EN(WHT) - White / ATJ-EN(BLK) - Black |
| Operating Voltage | 17 to 41 VDC |
| Low Power Mode (typ) | 110 μA |
| Quiescent Mode Current | 350 μA (typ) at 24 VDC |
| Maximum Current Consumption | 45.5 mA |
| 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, White or Black / Polycarbonate |
| Weight (g) | 90 |
| Diameter (mm) / Height (mm) | Ø 100 / 45 |
| Compatible Bases* | YBN-R/3, YBO-R/SCI, YBO-BS, YBO-BSB, YBN-R/3(SCI) |
| Base Fixing Centres (mm) | 48 ~ 74 |
| Approvals | Classes A1R, BR, CR, A1S, BS & CS |
| IP Rating | BS EN 60529:1992+A2 2013 (Protection rating IP42) |

*Control Panel compatibility required

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