

# SIL CAPABLE ACC-EN/SIL

## Analogue Multi-Sensor

### Features

- ▶ SIL Level 2 approved
- ▶ Ideal for use in oil and gas environments
- ▶ User selectable modes
- ▶ Incorporates Optical & Heat elements
- ▶ Removable, High Performance Chamber
- ▶ Pulsing/non-pulsing controlled from panel
- ▶ Twin LEDs allow 360° viewing – green when polling, amber when isolating, red in fire
- ▶ Variable sensitivity
- ▶ Electronically Addressed
- ▶ LPCB & VdS approved A1 & C.



### Description

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

The ACC-EN/SIL has three modes, which are controlled from the Control Panel, allowing either the optical element or thermal element or both elements to be active in making the fire decision. The sensor polling LEDs can be controlled via the Control Panel (pulsing/non-pulsing). The ACC-EN/SIL smoke chamber can easily be removed or replaced for easy maintenance.

### Specification

|                                   |                                     |
|-----------------------------------|-------------------------------------|
| Operating Voltage                 | 17 – 41 VDC                         |
| Low Power Mode (typ)              | 120 µA                              |
| Quiescent Current (typ)           | 400 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 60 °C                    |
| Colour / Case Material            | Ivory / 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

### Ordering Codes

#### Product

Analogue Multi-Sensor  
Analogue Multi-Sensor (White Case)

#### Part Number

ACC-EN/SIL  
ACC-EN(WHT)/SIL