



# ALN-E(WHT)/SIL

## Analogue Optical Smoke Sensor

### Features

- ▶ SIL Level 2 approved
- ▶ Ideal for use in oil and gas environments
- ▶ Removable, High Performance chamber
- ▶ Twin LEDs allow 360° viewing – green when polling, turn red in fire
- ▶ Locking mechanism (sensor to base)
- ▶ Variable sensitivity
- ▶ Electronically addressed
- ▶ Pulsing/non-pulsing controlled from panel\*
- ▶ Approved by LPCB & VdS



### Description

Model ALN-E(WHT)/SIL is a Optical Smoke Sensor, which has been independently assessed and approved for use in a SIL2, low demand safety function with regards to random failure rates.

The ALN-E(WHT)/SIL incorporates Hochiki's newest High Performance Chamber Technology removing the need to use Ionisation Smoke Sensors in the majority of applications. This also allows the sensor threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

The ALN-E(WHT)/SIL smoke chamber is easily removed or replaced for cleaning and utilises a unique improved baffle design which allows smoke to enter the chamber whilst keeping out ambient light.

| 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            | White / ABS                         |
| 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)      |
| Approvals                         | LPCB & VdS                          |

\*Control Panel compatibility required

### Ordering Codes

#### Product

Analogue Optical Smoke Sensor

#### Part Number

ALN-E(WHT)/SIL



For further information visit [www.hochikieurope.com/silapproved](http://www.hochikieurope.com/silapproved)

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