Your Safety, Our Technology

# ALN-EN

## Analogue Photoelectric Smoke Sensor

### Features:

- 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
- SIL Level 2 approved variants available
- Locking mechanism (sensor to base)
- Available in Ivory, White & Black

## Listings / Approvals

## Description

Model ALN-EN is a Photoelectric Smoke Sensor, which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The ALN-EN 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-EN 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 V d.c. |
| **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 or White / ABS |

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| | |
|---|---|
| **Ingress Protection Rating** | IP42 |
| **Weight (g)** | 95 |
| **Diameter (mm) / Height (mm)** | 100 / 45 |
| **Compatible Bases** | YBN-R/3, YBO-R/SCI, YBO-BS, YBO-BSB, YBN-R/3(SCI) |
| **Base Fixing Centres (mm)** | 48 ~ 74 |

** Panel compatibility dependant*

## Ordering Information

| Product | Part Number |
|---|---|
| Analogue Photoelectric Smoke Sensor | ALN-EN |
| Analogue Photoelectric Smoke Sensor (White) | ALN-EN(WHT) |

For further information visit www.hochikieurope.com/silapproved