

ESPintelligent

ALN-E

Analogue Photoelectric Smoke Sensor

Features

- ▶ Removable, High Performance chamberFeature
- ▶ 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 variant available.



Description

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

The ALN-E 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 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

Ordering Code	ALN-E - White
Operating Voltage	17 – 41 VDC
Low power mode	120 µA (typ.)
Quiescent current	400 µA (typ.)
Alarm current (controlled by CIE)	9.1 mA (excluding remote indicator)
Transmission method	Digital Communication using ESP
Operating /Storage Temperature Range	- 10 °C to + 50 °C / - 30 °C to + 60 °C
Operating / Storage Humidity	95% RH (at 40 °C) / <80% RH (at 50 °C)
Colour / Case Material	White / ABS
IP rating	BS EN 60529:1992+A2 2013 (Protection rating IP42)
Base fixing centres (mm)	48 ~ 74
Weight (g) / Dimensions (mm)	95 / ø 100 x H 45
Compatible Bases	YBN-R/3, YBO-R/SCI, YBO-BS, YBO-BSB, YBN-R/3(SCI)
Approvals	LPCB VdS SIL2
Wind Exposure (Ref EN54-7)	1 ± 0,2 m s-1

*1 Panel compatibility dependant.