

ALN-EN

Optical 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 variant available



Description

Model ALN-EN is a Optical 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 VDC
Low Power Mode (typ)	120 A
Quiescent Current (typ)	400 A
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)
Sensitivity Levels	2%/m to 4.5%/m
Storage Temperature Range	-30 °C to +60 °C
Storage Humidity	<80% RH at 60 °C
Colour / Case Material	Ivory or White or Black/ABS
Weight (g)	95
Diameter (mm) / Height (mm)	100 / 45
Compatible Bases	YBN-R/3, YBO-R/SCI, YBO-BS, YBO-BSB2, YBN-R/3(SCI)
Base Fixing Centres (mm)	48 ~ 74
Approvals	LPCB & VdS (EN 54-7:2000 + A1:2002 + A2:2006)**
Wind Exposure (Ref EN54-7)	1 ± 0.2 m s-1

*Please ensure control panel compatibility

**Approval only on White and Ivory

Ordering Codes

Product

- Optical Smoke Sensor
- Optical Smoke Sensor (White)
- Optical Smoke Sensor (Black)

Part Number

- ALN-EN
- ALN-EN(WHT)
- ALN-EN(BLK)