ESP Intelligent

Your Safety, Our Technology

ALN-EN

Intelligent Photoelectric Smoke Sensor

Features

- Removable, high performance chamber
- Twin LEDs allow 360° viewing – green when polling, amber when isolating, 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 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

Ordering Code	ALN-EN - Ivory / ALN-EN(WHT) - White / ALN-EN(BLK) - Black
Operating Voltage	17 – 41 VDC
Low Power Mode (typ)	120 µA (typ.)
Quiescent Current (typ)	400 µA (typ.)
Maximum Current Consumption	30 mA
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, White or Black / ABS
Weight (g)	95
Diameter (mm) / Height (mm)	100 / 45
Compatible Bases	YBN-R/3, YBO-BS, YBO-BSB2, YBN-R/3(SCI)
Base Fixing Centres (mm)	48 ~ 74
Approvals	LPCB VdS
Wind Exposure (Ref EN54-7)	1 ± 0,2 m s-1
Ingress Protection Rating	IP42

* Control Panel compatibility required

For further information visit our website.

Hochiki reserves the right to alter the specification of its products from time to time without notice. Although every effort has been made to ensure the accuracy of the information contained in this document it is not warranted or represented by Hochiki to be a complete and up-to-date description. Check online for current version.

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