



Optical Smoke Detector (ALN-EN)

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.

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 to classes A1 &

Part Numbers:

Optical Smoke Sensor	ALN-EN
Optical Smoke Sensor (White)	ALN-EN(WHT)
Optical Smoke Sensor (Black)	ALN-EN(BLK)

SPECIFICATION

Operating Voltage	17-41 Vdc
Low Power Mode (typ)	120 uA
Quiesc. Current (typ)	400 uA
Alarm Current (controlled by CIE)	9.1 mA (excl remote indicator)
Transmission Method	Digital using ESP
Operating Temp Range	-10 to +50 C
Operating Humidity	95% RH non condensing (at 40 C)
Sensitivity Levels	2% / m to 4.5% / m
Storage Temp Range	-10 C to 50 C
Storage Humidity	<80% RH at 60 C
Colour/Case Material	Ivory, White or Black / ABS
Weight	95 g
Diameter / Height	100 / 45 mm
Compatible Bases	YBN-R/3, YBO-R/SCI, YBO-BS, YBO-BSB2, YBN-R/3(SCI)
Base Fixing Centres	48 ~ 74 mm
Wind Exposure (Ref EN54-7)	1 ± 0.2 m s-1
Approvals	Classes A1 & A2
IP Rating	BS EN 60529:1992+A2 2013 Protection Rating IP42