ESPintelligent

ALN-EN(SCI)

Analogue Photoelectric Smoke Sensor with SCI

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*[1].

Description

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

The ALN-EN(SCI) 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(SCI) 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(SCI) - Ivory / ALN-EN(SCI)WHT - White / ALN-EN(SCI)BLK - Black
Operating Voltage	17 – 41 VDC
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)
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	YBV-R/4 YBV-R/4(WHT)
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