ESPintelligent

ALN-EN(SCI)

Optical Smoke Sensor with SCI

ALN-EN(SCI)

ALN-EN(WHT)-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 an Optical Smoke Sensor with an integrated short-circuit isolator (SCI), which is fully compatible with Hochiki's ESP Analogue Addressable Protocol.

The sensor 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 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.

The sensor features an integral SCI and must be used in conjunction with the YBV-R/4 mounting base to maintain SCI functionality.

Specification

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	White / ABS
Weight (g)	95
Diameter (mm) / Height (mm)	100 / 45
Base Fixing Centres (mm)	48 ~ 74
Compatible Bases*[2]	YBV-R/4 or YBV-R/4(WHT) , YBN-R/3, YBO-R/SCI, YBO-BS, YBO-BSB, YBN-R/3(SCI)

*[1] Control Panel compatibility required
*[2] For further information on compatible bases please refer to Application Note AP144 available online.

Ordering Codes

Product	Part Number
Optical Smoke Sensor with SCI	ALN-EN(SCI)
Optical Smoke Sensor with SCI (White Case)	ALN-E(WHT)-SCI

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For further information visit www.hochikieurope.com/sci