CDXconventional Instrinsically Safe

SOC-E-IS

Intrinsically Safe Conventional Smoke Detector

Features

- Removable, High Performance chamber
- Automatic Sensitivity Window Verification (ASWV) – Drift Compensation Technology
- Remote Indicator output
- Wide voltage range (9.5 ~ 30 VDC)
- Low profile design with one piece outer cover
- Single fire LED - 360° viewing
- ATEX Classification to: Ex ia IIC T5 Ga (-20°C ≤ Ta ≤ +55°C)
- Suitable for installation in areas at Category 1 (inc all lower categories)
- Approved by LPCB & VdS

Description

The SOC-E-IS is a Photoelectric Smoke Detector, which is fully compatible with the majority of existing Conventional systems. The SOC-E-IS incorporates Hochiki's unique High Performance photoelectric smoke chamber removing the need to use Ionisation Detectors in the majority of applications.

'ASWV' Drift Compensation technology is incorporated to ensure the Detector is operating at its optimum sensitivity and therefore reducing potential false alarms. If the contamination limit is exceeded then the integral red LED will flash once every three seconds to give a visual warning. The smoke chamber is easily removed or replaced for cleaning and utilises a unique baffle design which allows smoke to enter the chamber whilst keeping out ambient light.

Specification	
Ordering codes	SOC-E-IS - Ivory / SOC-E-IS(WHT) - White
Compatible Base	YBN-R/4(IS)
Operating Voltage	12 - 30 VDC
Quiescent Current (typ)	35 µA
Maximum Current In Alarm	40 mA
Out of Sensitivity Current (RED flashing LED)	120 µA
Remote Indicator Drive	20 mA (max)
Operating Temperature Range	-10 °C to + 50 °C
Storage Temperature Range	-30 °C to + 60 °C
Maximum Humidity	95% RH - Non condensing (at 40 °C)
Ingress Protection Rating	IP42
Colour / Case Material	Ivory or White / ABS
Weight (g) / Dimensions (mm)	106 / ø 100 x H 48
Approvals	LPCB VdS Bassefa 19ATEX0143X IECEx BAS 19.0122X DNV-GL* SIL2* EAC*

*Approval pending