

# Intrinsically Safe

## SOC-E-IS

### INTRINSICALLY SAFE CONVENTIONAL SMOKE DETECTOR

#### Features

- ▶ Twin fire LEDs allow 360° viewing
- ▶ Removable, High Performance chamber
- ▶ Supported by a range of barriers
- ▶ Remote indicator output
- ▶ 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)
- ▶ Also available in white
- ▶ Approved by LPCB & VdS
- ▶ SIL Level 2 capable.



#### Description

Model SOC-E-IS is a Photoelectric Smoke Detector designed for use in hazardous areas which also incorporates a remote indicator output and a removable chamber for easy maintenance.

Each detector incorporates Hochiki's unique High Performance Chamber Technology removing the need to use Ionisation detectors in the majority of applications. The High Performance Chamber has also enabled the detector threshold level to be increased, thereby improving the signal to noise ratio and reducing susceptibility to false alarms.

#### Specification

Ordering codes	SOC-E-IS SOC-E-IS(WHT)
Operating Voltage	12 – 30 VDC
Quiescent Current (typ)	50 µA
Maximum Current In Alarm	40 mA
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) / Diameter (mm) / Height (mm)	106 / 100 / 48
Compatible Base / Base Height (mm)	YBN-R/4(IS) / 8
Base Fixing Centres (mm)	48 ~ 74
Approvals	LPCB
	Germanischer Lloyd
	ATEX – BASEEFA19ATEX0143X