SLR-E-IS(WHT)

Conventional Intrinsically Safe Photoelectric Smoke Detector

General

The SLR-E-IS is a WHITE photoelectric smoke detector designed for use in hazardous areas. It incorporates a remote indicator output and a removable chamber for easy maintenance.

Each detector incorporates a unique high performance chamber technology removing the need to use ionisation detectors in the majority of applications. This 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.

Hazardous Area Classification

ATEX II 1G II - Equipment group (Non-Mining)
1 - Equipment category (for Zone 0 or 20)
G - Type of explosive atmosphere (Gas, Vapours and Mist)

Cenelec EEx ia IIC T5 Tamb = 55°C
E - Conformity with European standard
Ex - Explosion protection symbol
ia - Protection concept (Intrinsically Safe)
IIC - Apparatus Group (Gas)
T5 - Temperature classification (100°C)
Tamb - Maximum ambient temperature (55°C)

BASEEFA Certificate number

ATEX - BAS01ATEX1281

Standard Features

- Removable, high performance chamber
- Twin fire LEDs allow 360° viewing
- Remote indicator output
- ATEX Classification to II 1G EEx ia IIC T5 Tamb=55°C
- Suitable for installation in areas at Category 1 (including all lower categories)
- Approved by LPCB, VdS and GL

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Specifications

Electrical

Supply voltage	15-30 VDC
Quiescent current (typical)	50 µA
Alarm current (max)	40 mA

Environmental

Operating temperature	-10°C to +50°C
Storage temperature	-30°C to +70°C
Relative humidity (max - no condensation)	95% @ 40°C
IP rating	IP42

Mechanical

Colour	White
Material	ABS
Weight	115 g
Dimensions (dia x h)	100 mm x 38 mm

Approvals

Approvals	ATEX, LPCB, VdS, Germanischer Lloyd

Ordering Information

Part No.	Description
SLR-E-IS(WHT)	Conventional Intrinsically Safe Photoelectric Smoke Detector
YBN-R/4IS(WHT)	Conventional Intrinsically Safe Detector Mounting Base

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