

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



Details

- 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

SLR-E-IS(WHT)

Conventional Intrinsically Safe Photoelectric Smoke Detector

Technical specifications

General

Status indication	LED
User interface	LEDs
Compatibility	Aritech, Kilsen & Ziton conventional zone interfaces
Connectivity	2-wire zone

Electrical

Power supply type	Zone powered
Operating voltage	15 to 30 VDC
Current consumption	50 µA (quiescent) <50 mA (alarm)

Detection

Detection principle	Optical light scatter
Monitoring	Open circuit, Short circuit
Zone length	Zone configuration dependent

Physical

Physical dimensions	100 x 38 mm (Ø x H)
Net weight	115 g
Colour	White
Mounting type	Base mount, Ceiling mount
Material (body)	ABS
Functional marking	BASEEFA Rating

Environmental

Vandal proof	No
Operating temperature	-10 to +50°C
Storage temperature	-30 to +70°C
Relative humidity	<95% noncondensing @ 40°C
Environment	Indoor, IS
Hazardous environment rating	II 1G EEx ia IIC T5 Tamb=55°C
IP rating	IP42

Standards & regulation

Compliance	CE, REACH, RoHS 2
Certification	CENELEC/ATEX, VdS
Standards & regulation	LPCB, Germanischer Lloyd

As a company of innovation, UTC Fire & Security reserves the right to change product specifications without notice. For the latest product specifications, visit UTC Fire & Security online or contact your sales representative.

Last updated on 10 January 2020 - 17:17

