

# Intrinsically Safe Ionisation Smoke Detector



Industrial Application Devices

## General

Notifier Model 1151EIS ionisation smoke detectors use state-of-the-art sensing chambers and SMD circuitry for maximum reliability.

These detectors are designed to afford open area protection and are for use in hazardous areas where potentially explosive atmospheres are likely to arise (confirm classification of equipment required with your responsible authority). 1151EIS detectors are designed to be used with compatible panels only and must be used in conjunction with a compatible zener barrier or galvanic isolator.



## Features

- Low profile design
- Low current draw
- Remote LED option
- Two alarm LEDs providing 360° visibility
- Removable cover for ease of maintenance
- Simple plug-in installation
- Compatible with standard B401 mounting base
- Built-in test switch
- Tamper-resistant
- Suitable for use in up to Zone 0 environments
- Approved for use with Zener safety barriers or galvanic isolators

## Approvals

### • IECEx

IEC 60079-0 : 2004  
IEC 60079-11 : 2006  
IEC 60079-26 : 2006

Ex ia IIB T5 Ga (-20°C ≤ Ta ≤ +40°C)

### • ATEX 94/9/EEC

EN 50014:1997 + Amends 1 & 2  
EN 50020  
EN 50284: 1999

⊕ Ex II 1 G EEx ia II BT5

### • LPCB 118b/09

### • VDS G296051

## Specifications:

Operating Voltage Range:	15 to 32VDC
Maximum Standby Current:	30µA @ 24VDC Latching alarm reset by momentary power interruption
Application Temperature Range:	-10°C to 55°C
Humidity:	10% to 93% relative Humidity (non-condensing)
Intrinsically Safe Rating:	
IECEX	Ex ia IIB T5 Ga (-20°C ≤ Ta ≤ +40°C)
ATEX	EEx ia IIB T5

## Compatible Barriers:

- MTL 5061
- MTL 5561
- Pepperl & Fuchs KFDO-SD2-EX1.1045
- Pepperl & Fuchs KFDO-SD2-EX2.1045
- Pepperl & Fuchs KFCDO-SD-EX1.1245

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