

SSD1151EIS Intrinsically Safe Low Profile Ionization Smoke Detector

SPECIFICATION DATA



FEATURES

- BASEEFA approval to EEX ia II T5
- Tested and approved to the requirements of EN54 Part 7
- Suitable for use in Zone 0 environments
- Approved for use with Zener safety barriers or galvanic isolators
- Stable performance in high air velocities
- Removable cover for ease of maintenance
- Simple plug-in installation
Compatible with B401 standard mounting base
- Low current draw
- Remote LED option
- Built-in test switch
- Tamper-resistant

DESCRIPTION

SSD1151EIS Intrinsically Safe Ionization 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).

SSD1151EIS detectors are designed to be used with compatible conventional fire alarm panels only. Each detector has remote LED annunciator capability as well as two integral alarm LEDs to provide a local visual indication of detector status. Once the detector senses a fire, it latches in alarm and remains in this condition until it is reset by a momentary power interruption.

SSD1151EIS smoke detectors include a tamper-resistant feature that prevents removal from the base without the use of a tool. In addition, these detectors can be tested by activating an internal reed switch with a test magnet. This test simulates smoke in the detector and performs a full check of the operating circuitry.

SPECIFICATIONS

Operating Voltage
19-28V dc

Power Consumption:
Standby current: 0.2 mA
Alarm current: 20 mA

Indicators and Switches
Two LEDs on opposite sides of sensor head for 360° viewing angle. LEDs blink for normal operation and are latched on for alarm condition

Testing:
Built-in magnetic reed switch for testing with magnet
Weight:
3.6oz (104g)

Lamp Life:
LED rated at 40 years

Base Terminals:
Screw terminals accept up to 12 AWG (3.3 sq mm) wire.

Environmental Operating Limits:

Temperature:
32 to 120F (0 to 49C)

Humidity:
10 to 93% rh, non-condensing

Mounting Bases:
14506587-001:
Mounts on 4 in. square x 1.5 in. deep electrical box or mounts on 3 in. or 4 in. octagonal x 1.5 in. deep electrical box. (for use in the USA)
14506587-005:
Mounts on 50, 60, or 70 mm electrical box (for European use)

Additional Equipment:

SSDRA400Z:
Remote LED
SSDMOD400R:
Detector Sensitivity Tool for use with most analogue or digital multi-meters. Satisfies the requirements of NFPA72E

SSDXR-2:
Detector Removal Tool for Low Profile Sensors

SSDXP-4:
3 x 4.8 ft (1.5 m) Extension Poles for SSDXR-2

SSDCRT400
Detector Cover Removal Tool

Mounting:
Surface Mounted on ceiling or wall

Isolation Barriers:
MTL Instruments: MTL3043 (Ex86B2285)
Pepperl and Fuchs: KFD0-CS-Ex1.51P (Single ch.)
KFD0-CS-Ex2.51P (Dual channel)

Sensor Placement:
Sensors must be installed in accordance with local codes

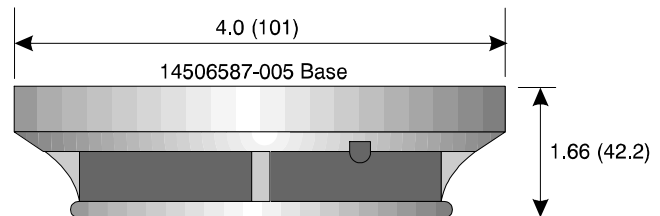


Fig 1: Dimensions inches (millimetres)

Honeywell

Comfort from Experience

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