

LOW PROFILE ANALOGUE ADDRESSABLE IONISATION SMOKE DETECTOR (Model 1251E)

FEATURES:

- *Low profile design*
- *Addressable-analogue communications*
- *Remote LED option*
- *Two alarm LEDs providing 360° visibility*
- *Rotary decade address switches*
- *Low standby current*
- *Stable communication technique with high noise immunity*
- *Tamper-resistant*
- *Built-in test switch*
- *Tested and approved to EN54 part 7*
- *LPCB and VdS approved*



FIGURE 1. ANALOGUE ADDRESSABLE IONISATION DETECTOR

DESCRIPTION:

Model 1251E analogue addressable ionisation detectors use state-of-the-art sensing chambers coupled with high standards of reliability to provide early warning of developing fires. These detectors are designed for open area protection and should only be connected to control panels that use a compatible proprietary analogue addressable communication protocol for monitoring and control.

The 1251E has remote LED annunciator capability as well as two integral alarm LEDs to provide local visual indication of detector status. The LEDs can be latched on by code command from the control panel for an alarm indication. The LEDs can also be unlatched to the normal condition by code command. The LEDs can be set to blink when polled by the control panel.

Model 1251E includes a tamper feature that prevents removal from the base without the use of a tool. The exact location of each detector can be determined by setting the decade address switches therefore allowing selective maintenance when contamination reaches an unacceptable level.

SPECIFICATIONS:

Operating Voltage Range	15 to 32VDC
Max. Standby Current	200µA @ 24VDC (no communication)
Max. Average Standby Current	300µA (one communication every 5 sec. with LED blink enabled)
Max. Alarm Current (LED on)	6.5mA @ 24VDC
Operating Humidity Range:	10% to 93% Relative Humidity, non-condensing
Operating Temperature Range	-10°C to 60°C
<i>Note: Do not install in locations where normal ambient temperature range extends beyond 0°C to 50°C</i>	
Height:	43 mm installed in B501 Base
Diameter:	102 mm installed in B501 Base
Weight:	102g

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