CPX-751E

Low Profile Ionisation Analogue Addressable Sensor

Section: Intelligent/Addressable Devices

FEATURES

- **Sleek low profile design**
- **Uses common sensor base**
- **Analogue addressable communications**
- **Stable communication technique with high noise immunity**
- **Low standby current**
- **Rotary DECADE 01 to 99 address switches**
- **Remote LED output as standard**
- **Dual LED design provides 360° viewing angle**
- **Visible LED's blink every time the sensor is addressed (optional), and illuminate steady on alarm**
- **Built-in functional test switch activated by external magnet**
- **Optional Relay, Isolator, or Sounder bases**
- **Tamper-resistant feature**
- **LPCB (EN54 part 7) and VdS approved**

GENERAL

The CPX-751E is an analogue addressable, low profile Ionisation smoke sensor designed for use with any NOTIFIER protocol fire alarm control panel.

This analogue addressable sensor enables the control panel to provide the operator with a pinpoint description of where the fire is located.

The control panel is capable of not only knowing the sensor's location but exactly how much smoke is in the chamber of the detector.

The sensor may be set for different sensitivity settings appropriate to the environment of its location.

The CPX-751E Intelligent Ionisation smoke sensor incorporates a unique single-source chamber designed to respond quickly and dependably to a broad range of fires.

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INSTALLATION

The CPX-751E plug-in Ionisation smoke sensor uses a common base to simplify installation, service, and maintenance.

A special tool allows maintenance personnel to plug-in and remove detectors without using a ladder.

Mounting hardware and installation instructions are provided with each device.

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SPECIFICATIONS

- **Dimensions**
  - ✓ Height: 43 mm installed in B501 Base.
  - ✓ Diameter: 102 mm installed in B501 Base.
  - ✓ Weight: 102 g.
- **Current Consumption**
  - ✓ 200 µA @ 24 VDC (without communication); 300 µA @ 24 VDC (one communication every 5 sec. with LED enabled).
  - ✓ Maximum Alarm Current: 6.5 mA @ 24VDC (with LED enabled).
- **Operating Voltage**
  - ✓ 15 to 32 VDC peak.
- **Environmental Limits**
  - ✓ -10°C to 60°C operating temperature

  Note: Do not install in locations where normal ambient temperature range extends beyond 0°C to 50°C
  - ✓ 10% to 93%, non-condensing relative humidity

ORDERING INFORMATION

Part No.	Description
CPX-751E	Intelligent Ionisation Smoke Sensor. Mounting options specified below.
Base:	
B501	Standard Sensor Base.
B524IE	Isolator Base.
B524IEFT	FET Isolator Base.
B524RE	Relay Base.
IBS3	Addressable, loop powered base sounder, see Accessories for Cover Plate options.

Accessories:

SMK400	Surface mounting kit provides for entry of surface wiring conduit. For use with B501 base only.
RMK400	Recess mounting kit. For use with B501 base only.
IBS-LIDR	Loop Powered Base Sounder Cover Plate, Red. For use with IBS3 base when sensor is not installed.
IBS-LIDW	Loop Powered Base Sounder Cover Plate, White. For use with IBS3 base when sensor is not installed.

Wiring Diagram (Standard Base)