DI990

Ionisatie rookmelder Aritech 990 serie

General

The DI990 is a 990 Series, elegant slim-line, addressable ionisation detector with high-performance smoke detection.

Operation

Air in dual sensing chambers is irradiated to produce ions that travel to the positive and negative electrodes, creating a current flow. As smoke enters one chamber, the flow drops and voltage increases. This voltage is measured and transmitted to the fire panel.

It is a good general purpose detector that responds well to fast burning, flaming fires.

Drift Compensation

All 990 series smoke detectors include compensation for sensor drift caused, for example, by dust in the chamber, and will hold the sensitivity at a constant level even with severe chamber contamination.

Sensitivity Selection

Every detector in the 990 series can operate in one of five response modes. The response characteristics of the detectors have been carefully set so that the detectors will comply with the requirements of the relevant part of EN54 in all response modes. Mode selection can change depending on the application.

Unique Addressing

A unique, patented addressing method provides simple, user-friendly and accurate identification of device location, available both in standard and black bases. A coded card, inserted in the base, is read by the detector as it is plugged in. All the electronic components are in the detector, but the location information is held in the base. Addressing errors during maintenance are eliminated because the address remains in the base. Pre-coded and pre-numbered address cards are available.

Details

- Passive base address
- Electronics free base
- Programmable slide-in address card
- Compatible with 900 series systems
- Full line: Ionisation, optical, temperature, manual call points, notification devices
- Aesthetic design
- EN54, BOSEC, VdS, CNBOP approved

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Technische specificaties

Supply voltage

17 - 28 VDC

Quiescent current

300 µA

Alarm indication (Dual LED)

Red

Alarm LED current

3.5 mA

Normal operating temperature (no icing)

-30°C to +70°C

Rel. humidity (no condensation)

0 - 95 %

Max. wind (continuous)

10 m/s

Size of device in base (H x Ø)

50 x 100 mm

Weight

105 g

IP Rating

IP44

Colour

White