DP991

Optisk detektor i Discovery 990-serien. Larmindikering 2 LED (röd vid larm). 17-28 VDC, 300 µA-3,5 mA, Storlek (Hxdiameter) 42x100 mm, IP44

General

The DP991 is an elegant, slim-line, optical sensor with high performance analogue addressable features. Compensation for sensor drift is included as part of the internal signal-processing algorithm.

Optical Smoke Monitor

The optical smoke detectors has an internal pulsing LED and a photo-diode at an obtuse angle. In clear air conditions the photo-diode in the monitor receives no light from the LED and produces a corresponding analogue signal. This signal increases when smoke enters the chamber and light is scattered onto the photodiode. The signal is processed by the electronic circuitry and transmitted to the control equipment in exactly the same way as in the case of the ionisation smoke monitor.

Drift Compensation

The drift compensation algorithm will compensate for changes in sensor output caused, for example, by dust in the chamber, and will therefore hold the sensitivity at a constant level even with severe chamber contamination. This increased stability is achieved without significantly affecting the detector's sensitivity to fire.

Compensation values are stored in nonvolatile memory and will be retained even if detectors are disconnected.

Unique Addressing

A unique, patented addressing method provides simple, user-friendly and accurate identification of monitor location whereby a coded card, inserted in the base, is read by any monitor as it is plugged in. All the electronic components are in the monitor, but the location information is held in the base. Addressing errors during maintenance and service are eliminated. Precoded and pre-numbered address cards are also available. These address cards simplify and speed up installation and commissioning.



Detaljer

- 5 Approved response modes for ease of optimistation to different environments
- Rejection of transient signals
- Drift compenstation to ensure constant sensitivity
- 360° alarm visibility
- Flashing LED option
- Fast alarm reporting
- EN54 approved and CPR certified

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Tekniska specifikationer

General

Addressing method	Adresowanie kartą

Electrical

Power supply type	Zasilanie pętlą

Detection

Monitoring	Alarm threshold, Contamination level

Physical

Colour	Hvid
Mounting type	Montaż na podstawie
Material (body)	Polycarbonat

Environmental

Vandal proof	No
Environment	Indendør

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR

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