

DT972

Sensore termico a sicurezza intrinseca.

DI 950 Ionisation Smoke Monitor

The air in the dual chambers is irradiated to produce ions that travel to the positive and negative electrodes and hence create a current flow in the chambers. Smoke entering the outer chamber causes a drop in the current flow and an increase in the voltage measured at the junction between the outer and inner chambers. The DI 950 does not operate on a threshold basis. The analogue voltage signal produced in the sensing chamber is converted to a digital signal by the electronic circuitry and transmitted to the control equipment on interrogation. The control equipment then compares the signal with stored data and initiates a pre-alarm or fire alarm as smoke density increases. When the equipment determines that a fire condition exists, it instructs the monitor to switch on its LED and the alarm routine is initiated.

DP 951 Optical Smoke Monitor

The DP 951 optical smoke monitor 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.

DT 952 Temperature Monitor

The device monitors temperature by using a single thermistor network which provides a voltage output proportional to the external air temperature. The voltage signal is processed and transmitted to the control equipment in the same way as in the case of the ionisation smoke monitor.

Isolators

Isolators are designed to protect the detector or loop in the event of a short circuit fault. They divide a loop of fire monitors and ancillary devices into groups, so that, in the event of a short circuit, no more than just that group or detector will be inoperable.

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.



Dettagli

- Base indirizzata passiva
- Indirizzamento tramite linguetta codificata
- Estetica armoniosa
- Approvato EN 54, BOSEC, VdS, CNBOP

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Specifiche tecniche

Elettrico

Tensione di esercizio	14 to 22 VDC
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Fisico

Dimensioni fisiche	100 x 42 mm (Ø x H)
Peso netto	105 g
Colore	Bianco
Tipo di montaggio	Montaggio alla base

Ambientale

Temperatura operativa	-20 to +40°C (T5) / -20 to +60°C (T4)
Temperatura di immagazzinamento	-20 to +80°C
Umidità relativa	0 to 95% noncondensing
Ambiente	Interno, IS
IP rating	IP53

Regolatorio

Certificazioni	CENELEC/ATEX, EN54-5
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Operating voltage

14 - 22 VDC

Current consumption

Quiescent	300 µA
Alarm	2 mA
Remote LED (internally limited)	1 mA

Alarm indication (LED)

Red

Environmental

Operating temperature (no icing)	-20°C to +40°C (T5) -20°C to +60°C (T4)
Storage temperature	-20°C to +80°C
Relative humidity (non-condensing)	0 - 95%
Max. wind (continuous)	Not affected
IP Rating	IP53

Physical

Size (H x Ø)	42 x 100 mm
Weight	105 g
Colour	White

Approvals

BASEEFA	BAS02ATEX1289
Classification	E Ex ia IIC T5



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