Product data sheet

DP991T

Detector analógico óptico-térmico. Serie 990.

General

The DP991T is an elegant, slim-line, optical/heat multi-sensor with high performance analogue addressable features. Compensation for sensor drift is included as part of the internal signal-processing algorithm.

Operating Principles

The DP991T multisensor detector contains an optical smoke sensor and a temperature sensor whose outputs are combined to give the final decision of a possible fire situation. The way in which the signals from the two sensors are combined depends on the response mode selected. Five operating modes provide response behaviour which incorporates pure heat detection, pure smoke detection and a combination of both. The multisensor is therefore useful over the widest range of applications.

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.



Details

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

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Technical specifications

General

Indicación de estado	2 clear LEDs (red in alarm)

Eléctrico

Voltaje de funcionamiento	17 to 28 VDC
Voltaje de comunicación	5 - 9 V (peak to peak)
Consumo de corriente	400 µA (quiescent) 3.5 mA (alarm)

Salida

Ratio y tipo de salida	remote LED output 5 mA

Físico

Dimensiones físicas	50 x 100 (H x Ø)
Peso neto	105 g
Color	Blanco
Material	Policarbonato

Medioambiental

Temperatura de funcionamiento	-20 to +60°C
Temperatura de almacenamiento	-40 to +70°C
Humedad relativa	0 to 95% noncondensing
Entorno	Interior
Clasificación IP	IP44

Estándares y regulaciones

Certificación	EN54-5, EN54-7

Environmental

Max. wind (continuous)	Not affected

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