DP991T

Apollo Discovery Multi-Sensor (58000-700)

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.



Détails

- 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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Spécifications techniques

Général

Indication d'état	2 clear LEDs (red in alarm)
Compatibilité	Addressable panels with 900 series (Apollo) support
Niveaux d’alarme	5
Connectivity	2-wire loop
Méthode d'adressage	Card Addressing

Électrique

Type de bloc d’alimentation	Alimenté en boucle
Operating voltage	17 to 28 VDC
Tension de communication	5 - 9 V (peak to peak)
Consommation de courant	400 µA (quiescent) 3.5 mA (alarm)

Détection

Detection principle	Optical light scatter and heat
Contrôle	Alarm threshold, Contamination level
Air velocity	No effect

Sortie

Quantité des sorties	1
Type de sortie et classe	Remote LED output 5 mA
Programmable	Yes

Caractéristiques physiques

Dimensions physiques	50 x 100 (H x Ø)
Net weight	105 g
Couleur	Blanc
Type de montage	Assemblage sur socle
Matériel (boîte)	Polycarbonate

Environnement

Protégé contre le vandalisme	Non
Operating temperature	-20 to +60°C
Température de stockage	-40 to +70°C
Relative humidity	0 to 95% noncondensing
Environnement	Intérieur
IP rating	IP44

Régulateur

Compliancy	CE, REACH, RoHS, WEEE
Certification	CPR
Normes	EN54:5, EN54-7

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