

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.



Standard Features

- 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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Specifications

Electrical	
Operating voltage	17 to 28 VDC
Supply voltage	17 - 28 VDC
Communication voltage (peak to peak)	5 - 9 V
Quiescent current	400 µA
Alarm current	3.5 mA
Remote LED output	5 mA
Physical	
Physical dimensions	50 x 100
Net weight	105 g
Colour	White
Material	Polycarbonate
Environmental	
Operating temperature	-20 to +60°C
Storage temperature	-40 to +70°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP44
Max. wind (continuous)	Not affected
Standards & regulation	
Certification	EN54-5, EN54-7
Alarm indication	
2 clear LEDs (red in alarm)	

Ordering Information

Part No.	Description
DP991T	Apollo Discovery Multi-Sensor (58000-700)
DB950	950/990 Series Standard Base