

DT992CO

Apollo Discovery CO/Heat Multisensor (58000-305)

General

The DT992CO combination carbon monoxide and heat detector is an elegant, slim-line addressable detector. It detects the presence of carbon monoxide or heat, or a combination of both depending on the operating mode selected.

Operating Modes

The DP992CO supports 5 operating modes for various applications:

> Very high sensitivity CO, moderate heat

For a high overall sensitivity to both smouldering and flaming fires

> CO Detection only

> Moderate sensitivity CO, moderate heat

For general fire applications

> Low sensitivity CO, moderate heat

For areas where a certain amount of CO is normal

> Temperature only, A1R

Operating Principles

The signals from the CO cell and temperature sensor are independent of each other. They individually represent the amount of CO or heat in the vicinity of the detector. When the DT992CO is used in heat only mode, it performs like a standard A1R, grade 1 rate-of-rise thermal detector, whilst in CO only mode, the detector acts as a pure CO fire detector.



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

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Status indication	Dual Red LEDs (alarm)
CO cell life	7 years

Electrical

Operating voltage	17 to 28 VDC
Communication voltage	5 - 9 V (peak to peak)
Current consumption	400 µA (quiescent) 3.5 mA (alarm)

Output

Output type and rating	remote LED output (< 5 mA)
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Physical

Physical dimensions	100 x 54 mm (Ø x H)
Net weight	105 g
Colour	White
Mounting type	Base mount
Material (body)	Polycarbonate

Environmental

Operating temperature	0 to +50°C (no icing)
Storage temperature	-10 to +30°C
Relative humidity	15 to 90% noncondensing
Environment	Indoor
IP rating	IP44
Max. wind (continuous)	not affected

Regulatory

Certification	EN54-5
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