DC-9103E

DC9000 Series conventional heat detector

General

The DC-9103E is a configurable conventional rate-of- rise or fixed temperature heat detector.

Application

The detector supports installation on the GST DB-01 conventional detector base for standard applications, or the GST DB-01D diode base when head-out functionality to BS5839 standard is required. Detection configuration is programmable using the GST P-9910B device programmer.



Details

- Self-diagnostic
- Local test activation with reed switch
- All round LED visibility (360° viewing angle) avoids time spent on specific detector orientation
- Configurable polling LED support
- Remote indicator output
- 3 Programmable operating levels (A1R, A2S and BS)

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Technical specifications

General

Status indication	Red LED
User interface	Via LED - polling, fault, contamination and alarm
Compatibility	GST100A Series conventional CIEs as well as GST I-9319 Zone Monitor
Reset voltage	< 1 VDC
Reset time	>10 s
Alarm levels	3
Connectivity	Zone connection - 2-core (polarity sensitive), RI connection - 2-core (polarity sensitive)

Electrical

Operating voltage	16 VDC to 28 VDC (24 VDC typical)
Current consumption	<60 µA (Quiescent) ≤55 mA (Alarm)
Cable specification	>1.0 mm²
No. of cable cores	2
Terminals	4

Detection

Detection principle	Heat
Sensitivity	Programmable
Zone length	Panel dependent
Heat Class	A1R, A2S and BS

Output

Remote alarm output	1

Physical

Physical dimensions	54.5 mm (including base) x 100 mm Ø
Net weight	±110 g
Colour	White
Mounting type	Ceiling mount
Material (body)	ABS
Mounting hole distance	45 to 75 mm

Environmental

Vandal proof	No
Operating temperature	-10 to +65°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP2x

Regulatory

Compliancy	CE, WEEE
Certification	EN54-5
Standards	LPCB

Compatible products

Category	Reference	Description
Detection device	DB-01	DC9000 / DI9000 Series standard point detector base
Detection device	DB-01D	DC9000 Series standard point detector base with diode
Notification device	C-9314P	DC9000 / DI9000 Series conventional remote indicator

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