DC-9101E-B

DC9000 Series conventional multisensor fire detector - black

General

The DC-9101E-B is a black variant of the DC-9101E. It combines photoelectric (optical) detection, fixed temperature and rate-of-rise detection technology. The smoke and heat sensors are integrated to provide a solution to a wide range of applications, allowing detecting of more complex fire types. Amongst these include are fire types generating black smoke as well as small particles fires such as those from burning alcohol.

Application

The detector supports installation on the GST DB-01-B conventional detector base for standard applications. Detection sensitivities are programmable using the GST P-9910B device programmer.



Details

- Supports drift compensation to enable good environmental adaptability
- Self-diagnostic
- Local test activation with reed switch
- Chamber contamination checking
- All round LED visibility (360° viewing angle) avoids time spent on specific detector orientation
- Configurable polling LED support
- Remote indicator output
- 2 Programmable smoke sensitivity levels
- Ideal for false ceiling applications or dark ceilings

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Technical specifications

General

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

Electrical

Power supply type	Zone powered
Operating voltage	16 VDC to 28 VDC (24 VDC typical)
Current consumption	<60 µA (Quiescent) ≤55 mA (Alarm)
Terminals	4

Detection

Detection principle	Optical & Heat
Monitoring	Alarm threshold, Contamination level
Sensitivity	Configurable
Zone length	Panel dependent
Alarm temperature (typical)	+62°C
Rate-of-rise	Supported
Heat Class	A2R

Output

Remote alarm output	1

Physical

Physical dimensions	54.5 mm (including base) x 100 mm Ø
Net weight	±110 g
Colour	Black
Mounting type	Base mount, Ceiling mount
Material (body)	ABS

Environmental

Vandal proof	No
Operating temperature	-10 to +50°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP2x

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE
Certification	CPR
Voluntary marks	LPCB
Standards	EN54-5; EN54-7

Compatible products

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

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