NC-DPM-B

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 - polling, fault, contamination and alarm
Compatibility	NC-Series conventional panels and Excellence series conventional zone monitors
Reset voltage	<1 VDC
Reset time	<10 s
Alarm levels	2
Connectivity	Zone connection - 2-core (polarity sensitive), RI connection - 2-core (polarity sensitive)

Electrical

Operating voltage	9.5 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	Optical & Heat
Sensitivity	Programmable
Zone length	Panel dependent
Heat Class	A2R
Activation temperature	62°C

Output

Output quantity	1
Output type and rating	Remote indicator
Remote alarm output	Supported

Physical

Physical dimensions	54.5 mm (including base) x 100 mm Ø
Net weight	±110 g
Colour	Schwarz
Mounting type	Deckenmontage
Material (body)	ABS

Environmental

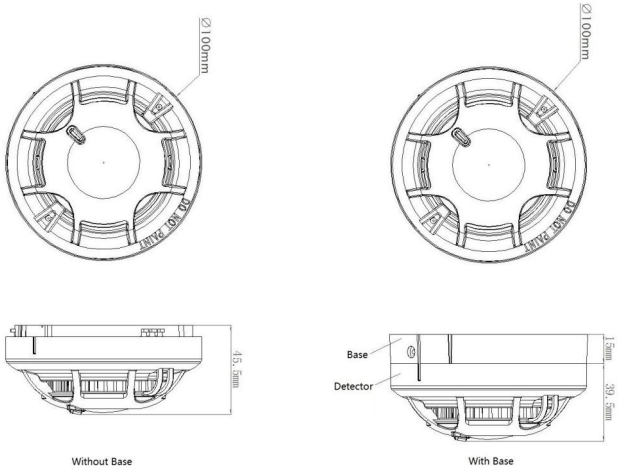
Vandal proof	No
Operating temperature	-10 to +50°C
Relative humidity	0 to 95% noncondensing
Environment	Drinnen
IP rating	IP2x

Regulatory

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

Compatible products

Category	Reference	Description
Detection device	NC-D-PT	Conventional hand held device programmer
Detection device	NC-DB-B	Conventional standard point detector base (Black)
Notification device	PA25/3L	Conventional remote indicator



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