# 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)<br>≤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 | Black |
| Mounting type | Ceiling mount |
| Material (body) | ABS |

### Environmental

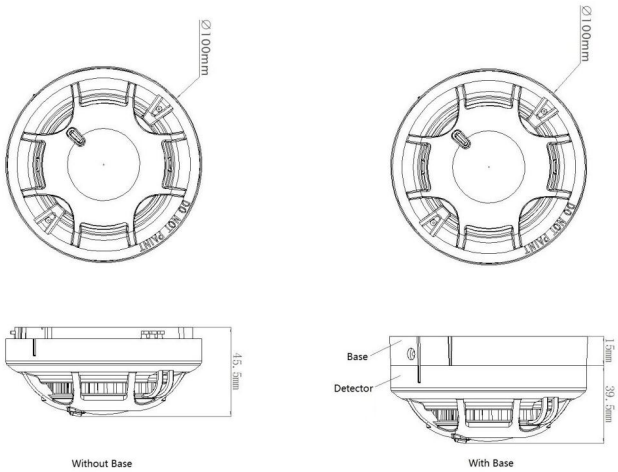
| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -10 to +50°C |
| Relative humidity | 0 to 95% noncondensing |
| Environment | Indoor |
| IP rating | IP2x |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |
| Certification | CPR |
| Voluntary marks | 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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