# NC-DPO-B

## Conventional optical smoke detector (Black)

### General

The NC-DPO-B is a graphite black, photoelectric (optical) detector suitable for use in residential applications.

### Application

The detector supports installation on the NC-DBR-B conventional detector base for standard stand alone applications. Detection sensitivities are programmable using the NC-D-PT 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 blinking LED support
- Remote indicator output
- Removable sensing chamber for for easy maintenance
- 2 Programmable smoke sensitivity levels

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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, tyndall effect |
| Sensitivity | Programmable |
| Zone length | Panel dependent |

### 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 | Bianco (RAL 9016) |
| Mounting type | Loftmontering |
| Material (body) | ABS |

### Environmental

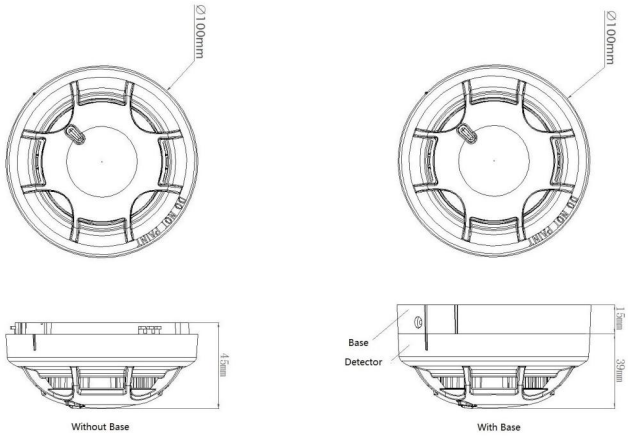
| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -10 to +50°C |
| Relative humidity | 0 to 95% noncondensing |
| Environment | Indendør |
| IP rating | IP2x |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |

### Compatible products

| Category | Reference | Description |
|---|---|---|
| Detection device | NC-D-PT | Conventional hand held device programmer |
| Detection device | NC-DBR-B | Conventional relay base (Black) |
| Notification device | PA25/3L | Conventional remote indicator |




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