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) ≤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	Traffic white (RAL9016)
Mounting type	Ceiling mount
Material (body)	ABS

Environmental

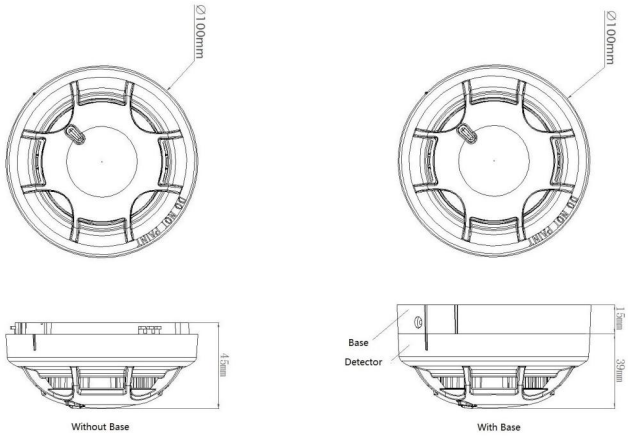
Vandal proof	No
Operating temperature	-10 to +50°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP2x

Regulatory

Compliancy	CE, REACH, RoHS 3, WEEE

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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Last updated on 18 June 2026 - 13:34