

# NC-DPO-W

## Conventional optical smoke detector (White)

### General

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The DC-9102E is a photoelectric (optical) detector suitable for use in hotels, restaurants, office buildings, schools, banks, warehouses, libraries, computer rooms, switch rooms, etc.

### Application

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The detector supports installation on the GST DB-01 conventional detector base for standard applications, or the GST DB-01D diode base when head-out functionality to BS5839 standard is required. Detection sensitivities are programmable using the GST P-9910B device programmer.



### Details

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- 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
- 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 $\mu$ A (Quiescent) $\leq$ 55 mA (Alarm)
Cable specification	>1.0 mm <sup>2</sup>
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 $\varnothing$
Net weight	$\pm$ 110 g
Colour	White (RAL 9016)
Mounting type	Ceiling mount
Material (body)	ABS

#### Environmental

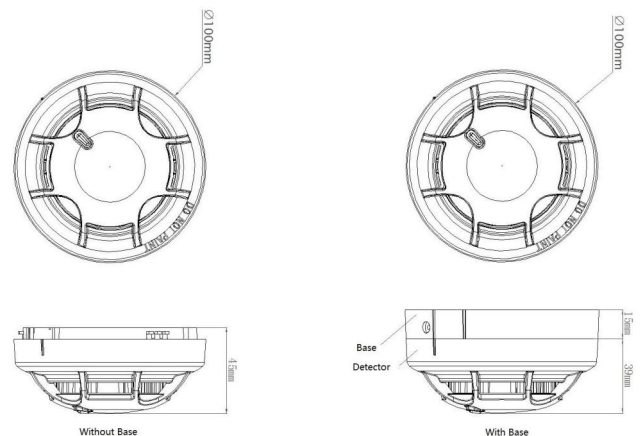
Vandal proof	No
Operating temperature	-10 to +50°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP2x
Application temperature (maximum)	-10 to +50°C (Class A1/A2)
Application temperature (maximum)	-10 to +65°C (Class B)

#### Regulatory

Compliance	CE, REACH, RoHS 3, WEEE
Certification	CPR
Standards	EN54-7

#### Compatible products

Category	Reference	Description
Detection device	NC-DB-W	
Detection device	NC-DB2R-W	
Detection device	NC-DBD-W	
Detection device	NC-DBR-W	
Notification device	PA25/3L	



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Last updated on 2 October 2024 - 18:50