

DP951B

950 Series Analogue Addressable Optical Sensor (Black)

General

The DP951 is a 950 series, elegant slim-line analogue addressable optical sensor with high performance analogue addressable smoke detection features. It is also available with French approval (as the DP951-F), and in black in stead of the normal white colour (DP951B).

950 Series Optical Detectors

An internal pulsing LED and a photo-diode at an obtuse angle checks for smoke entering the chamber. The light pulse from the LED is scattered and registered by the photo-diode. The scattered light is measured and transmitted to the fire panel. Optical detectors are additionally available in black for false ceiling applications.

Unique Addressing

A unique, patented addressing method provides simple, user-friendly and accurate identification of device location, available both in standard and black bases. A coded card, inserted in the base, is read by the detector as it is plugged in. All the electronic components are in the detector, but the location information is held in the base.

Addressing errors

during maintenance are eliminated because the address remains in the base. Pre-coded and pre-numbered address cards are available.



Details

- Passive base address
- Programmable slide-in address card
- Aesthetic design
- Multiple European approvals

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Technical specifications

Electrical

Operating voltage	17 to 28 VDC
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Physical

Physical dimensions	100 x 42 mm (Ø x H)
Net weight	105 g
Colour	White
Size (H x Ø)	42 x 100 mm
Weight	105 g
Colour	White

Environmental

Operating temperature	-20 to +60°C
Storage temperature	-30 to +80°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP23D
Operating temperature (no icing)	-20°C to +60°C
Storage temperature	-30°C to +80°C
Relative humidity (non- condensing)	0 - 95%
Max. wind (continuous)	Not affected
IP Rating	IP23D

Regulatory

Certification	EN54-7
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Operating voltage

17 - 28 VDC

Current consumption

Quiescent	340 µA
Alarm	3.5 mA

Alarm indication (LED)

Clear (red in alarm)



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