

DP931RF

Series 930 Wireless Optical Detector

General

The DP931RF optical smoke detector is an addressable detector including a wireless detector base and batteries. It works on the light scatter principle and is ideal for applications where slow-burning or smouldering fires are likely.

The DP931RF connects to a FP1200/2000 or 2X series panel by means of a wireless interface unit.

The Range

The 930RF series consists of:

- Optical Smoke Detectors
- Multisensor Smoke Detectors
- A1R Heat Detectors
- CS Heat Detectors
- Sounders
- Sounder Beacons
- Manual Call Points
- Interface Modules

Operating Principle

Detectors are often installed in buildings where wiring presents a challenge because the fabric of the building or its design is negatively affected by the use of cables. It could also be difficult to introduce cable runs into buildings which were not designed for the modern age. It is for these architecturally sensitive buildings that the 930RF series was developed.

The 930RF series devices communicate with a standard (wired) 950 series detector loop by radio signals. An interface is connected to the loop in the same way as any other interface, such as an Input/Output Unit.

Every 930RF series device is assigned an address and this address is recognised by the control panel in the same way as is the address of any device connected directly to the loop wiring.



Details

- Easy to install
- Standard 900 series card addressing
- Self-monitoring
- Proven technology
- Eliminates cable installation problems
- Uses 868MHz radio channels
- Up to 15 device per interface
- Up to 5 interfaces per loop

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Technical specifications

General

Status indication	LED
User interface	LED
Wireless frequency	868 MHz
Compatibility	Systems with 900 Series protocol support
Connectivity	Wireless
Addressing method	Card Addressing

Electrical

Operating voltage	2.8 to 5 VDC
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Detection

Detection principle	Optical light scatter
Monitoring	Device type, Presence
Sensitivity	Selectable

Physical

Physical dimensions	105 x 75 mm (Ø x H)
Net weight	500 g
Colour	White
Mounting type	Ceiling mount
Material (body)	Polycarbonate
Batteries	6 x AA size Duracell Pro-Cell

Environmental

Vandal proof	No
Operating temperature	-10 to +50°C
Relative humidity	0 to 95% noncondensing
Environment	Indoor
IP rating	IP23D

Standards & regulation

Compliance	CE, REACH, RED (2014/53/EU), RoHS 2, WEEE
Certification	CPR
Standards	EN54-7, EN54-25

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