



ZR432-2PA

ZR400 Series Wireless Smoke/Heat Detector /w Sounder

General

The ZR432-2PA is an addressable, wireless, POLAR WHITE multisensor capable of operating in optical, temperature or multisensor modes. In addition it supports an integrated sounder, all controlled from the main control panel via a wireless radio interface.

Configurable Alarm Response

Designed to provide the earliest response to a wide range of fire types in locations where hard wiring is not an option, ZR432 detectors combine optical smoke sensing and thermal monitoring to provide an accurate warning of fire. Smoke sensing may be isolated for areas where ambient smoke may exist at certain times of the day, or used on a day night basis in premises where heat only is required whilst the building is occupied. Temperature and smoke sensitivity may be set on installation on each device.

Device Control

The ZR432-2PA is supervised and controlled from the main fire panel CIE. Every wireless device is assigned its own IDENT address with which the main control panel communicates, providing the same system facilities as directly wired devices.

The sounder may be configured during installation for high (up to 87 dBA) or low (up to 74 dBA) sound levels, with selectable frequencies for two stage tone support, both warning and alarm tones. The tones are controlled from the COE in the same way as for hardwired sounders.

Supervision

Calibration and self-testing are carried out automatically. Removal or replacement of an incorrect devices is identified by the system and details displayed at the CIE. Sophisticated auto contamination adjustment compensates for any long-term drift in performance caused by dirt entering the sensing chamber.

For ease of removal, ZR432 detectors plug into the radio base by a simple twist and lock action. A selectable locking mechanism prevents unauthorised removal of the detector from its base.



Standard Features

- No external aerials
- Dual battery supply with up to 5 year battery life
- Full status monitoring – batteries, head supervision and tamper
- Configurable as smoke only, heat only or combination detection
- 2-way wireless communication with variable power output
- Sounder with configurable tones and volume
- Synchronised operation
- Two stage evacuation operation support
- ETSI 300-220 approved
- EN54:3/5/7 and EN54:25 compliant and CPR certified

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Specifications

Compatibility	All ZP7 addressable wireless systems
Operating frequency	868 MHz
Output transmitter power	0-14 dBm
Mounting	Surface mount
Detection area coverage*	Smoke element - <100m ² Heat element - < 50m ²
Monitoring	Continuously self-checking
Detection principle	Smoke element - Photoelectric light scatter Heat element - Thermistor
Addressing method	Unique address embedded
Indication	Red alarm LED
Power supply	3 x AA (MN1500 LR6) Duracell alkaline batteries 3 x C (MN1400 LR14) Duracell alkaline batteries
Application	Indoors
IP rating	IP23
Temperature range	
Operating	-10°C to +50°C
Storage	-20°C to +60°C
Relative humidity (noncondensing)	0% to 95%
Material	Moulded ABS
Dimensions (dia x h)	146 mm x 94 mm (including base)
Colour	Polar White
Weight	700 g (including base & batteries)

* Subject to local regulations

Ordering Information

Part No.	Description
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