ZX432-2P

Wireless optical heat head to work with ZR401-3 base & battery pack, polar white

General

The ZX432-2P is a wireless, POLAR WHITE addressable multisensor head capable of operating in optical, temperature or multisensor, optical/heat modes.

Product works with ZR401-3

Fast response to a wide range of fires

Designed to provide the earliest response to a wide range of fire types in locations where hard wiring is not an option, ZX432-2 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.

Detector control

The ZX432-2 detector is controlled from the main control panel via a wireless base and loop wired radio interface module allowing both wireless and hardwired devices to be seamlessly located and controlled from the same wiring loop. Every wireless device controlled through the radio loop module, is assigned its own IDENT address with which the main control panel communicates, providing the same system facilities as directly wired devices.

System operation

Temperature and smoke sensitivity may be set by a selection of switches located in the base of the ZX432-2. Calibration and self-testing are carried out automatically.

Removal or replacement of an incorrect sensing devices are identified by the system and details displayed at the main control panel. Sophisticated auto contamination adjustment compensates for any long-term drift in performance caused by dirt entering the sensing chamber.

For ease of removal, ZX432-2 detectors plug into the radio base by a simple twist and lock action.

Certification

The ZX432-2 temperature response meets the requirements of European Standard EN54 Part 5 (settable to class A or class B), with smoke sensitivity complying with EN54 Part 7. The ZR432-2 is approved to EN54:5, EN54:7 , and carries CPD certification.



Details

- No external aerials
- Dual battery supply via base
- Full device status monitoring – power sources, head removal and device tamper
- Senses both smoke and heat

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Technical specifications

General

Status indication	Red alarm LED
Wireless frequency	868 MHz
Compatibility	All ZP addressable systems via RLM
Addressing method	Unique address embedded

Electrical

Power supply type	Batteries
Batteries	Batteries in base
Operating voltage	3 VDC

Detection

Detection principle	Smoke element - Photoelectric light scatter Heat element - Thermistor
Monitoring	Continuously self-checking
Coverage area	Smoke element - <100m², Heat element - <50 m² (Subject to local regulations)

Physical

Physical dimensions	106 x 75 mm (including base) (Ø x H)
Net weight	350 g (including base & batteries)
Colour	Polar white
Mounting type	Surface mount
Material (body)	Moulded ABS

Environmental

Operating temperature	-10 to +60°C
Storage temperature	-20 to +70°C
Relative humidity	10 to 95% noncondensing
Environment	Indoor
IP rating	IP32

Regulatory

Compliancy	CE, CPR, REACH, RoHS
Certification	CPD, EN54-5, EN54-7

Compatible products

Category	Reference	Description
Detection device	11510-ZT	ZPL1-1 address label 1001-1127
Detection device	11520	ZPL1-2 Add.Label 2001-2127
Detection device	11530-ZT	ZPL1-3 address label 3001-3127
Detection device	11540-ZT	ZPL1-4 address label 4001-4127

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