# ZR432-2P

## Ziton series optical/heat detector with ZR401-3P wireless base & battery pack, polar white

### General

The ZR432-2P is a wireless, POLAR WHITE addressable multisensor capable of operating in optical, heat or multisensor (optical/heat) modes.



### 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, ZR432-2 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 ZR432-2 detector is controlled from the main control panel via a 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 ZR432-2. 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, ZR432-2 detectors plug into the radio base by a simple twist and lock action.

### Details

- No external aerials improves aesthetics
- Dual battery supply with up to 5 year battery life
- Full status monitoring – batteries, head supervision and tamper
- Multifunctional, configurable for smoke only, heat ony of both smoke and heat
- 2-way wireless communication with variable power output
- Configurable sensitivity setting
- ETSI 300-220 approved

# ZR432-2P

## Ziton series optical/heat detector with ZR401-3P wireless base & battery pack, polar white

## Technical specifications

### General

| | |
|---|---|
| Status indication | Red alarm LED |
| Wireless frequency | 868 MHz |
| Compatibility | Ziton wireless systems |
| Connectivity | Wireless 868 MHz |
| Addressing method | Electronic, Unique address embedded |

### Electrical

| | |
|---|---|
| Power supply type | Batterie |
| Batteries | 3 x AA (MN1500 LR6) Duracell alkaline batteries<br>3 x C (MN1400 LR14) Duracell alkaline batteries |
| Operating voltage | 3 VDC |
| Output transmitter power | 0 to 14 dBm |

### Detection

| | |
|---|---|
| Detection principle | Smoke element - Photoelectric light scatter, Heat element - Thermistor |
| Monitoring | Continuously self-checking |
| Sensitivity | Configurable |
| Coverage area | Smoke element <100 m², Heat element < 50 m², Subject to local regulations |
| Alarm temperature (maximum) | +70°C |
| Alarm temperature (minimum) | +54°C |

### Physical

| | |
|---|---|
| Physical dimensions | 106 x 75 mm (including base) (Ø x H) |
| Net weight | 350 g (including base & batteries) |
| Colour | Bianco polare |
| Mounting type | Montaggio su base, Montaggio a superficie |
| Material (body) | Støbt ABS |

### Environmental

| | |
|---|---|
| Vandal proof | No |
| Operating temperature | -10 to +55°C |
| Storage temperature | -20 to +70°C |
| Application temperature (maximum) | +50°C |
| Application temperature (typical) | +25°C |
| Relative humidity | 10 to 95% noncondensing |
| Environment | Indendør |
| IP rating | IP32 |

### Regulatory

| | |
|---|---|
| Compliancy | CE, REACH, RoHS 3, WEEE |
| Certification | CPR |
| Standards | EN54:5, EN54:7, EN54:25, ETSI 300-220 |

### 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 |




KIDDE COMMERCIAL

As a company of innovation, Kidde Global Solutions reserves the right to change product specifications without notice. For the latest product specifications, visit firesecurityproducts.com online or contact your sales representative.

Last updated on 23 February 2026 - 17:05