Product line CONNECTED

# 10YHT - RF

**Wireless Fire and Temperature Detector FireSAFE with thermal sensing technology and 10 years warranty on device and built-in battery**




## CONNECTED wireless interconnection of FireSAFE devices

- For secure, stable and reliable communication between individual devices, the system features its own FireSAFE radio technology operating at a frequency of 868 MHz
- The detector includes an integrated RF module which, thanks to the CONNECTED function, enables wireless connection of two or more FireSAFE detectors and thus creating a mutually interconnected wireless network

## Support for connection of up to 24 FireSAFE devices

- Supports connection of up to 24 detectors and devices from the continuously expanding FireSAFE CONNECTED portfolio
- An intelligent central control unit FireSAFE Hub can be added to the wireless network, enabling convenient configuration and control of the comprehensive FireSAFE system
- Easy installation of individual devices without the need for cabling

## Thermistor with intelligent algorithm

- It covers a wide range of applications and environments where reliable fire detection cannot be ensured using conventional technologies
- Fire detection with rapid temperature rise during burning or in slowly developing fires generating temperature increase in the monitored space

## PCB protection with IZOVAX nanoparticle lacquer coating

- The electronic components and circuit board of the detector are covered with an insulating and protective layer of varnish with IZOVAX nanoparticles and thanks to innovative thermistor sensing technology, unlike conventional optical fire detectors, the device can be installed in a wide range of demanding enviroments

## SIC remote alarm silencing IR remote control

- SIC enables remote silencing of the alarm acoustic signal by pressing any button on a standard IR remote control (most remote controls for household appliances, e.g. for TV)

## Battery operation for up to 10 years

- Integrated 3 V lithium battery (built-in, non-replaceable)
- Guaranteed operating performance for up to a full decade
- After 10 years of protection and with 30 days' notice, the detector will inform you of its end of life

## Certification 10 years warranty

- This wireless fire detector was independently tested by the accredited German laboratory TÜV as a fire safety solution meeting all required European standards including BS 5446-2: 2003 – thermal detectors class A1
- Extended 10 years warranty

## Radio signal range up to 1000 m

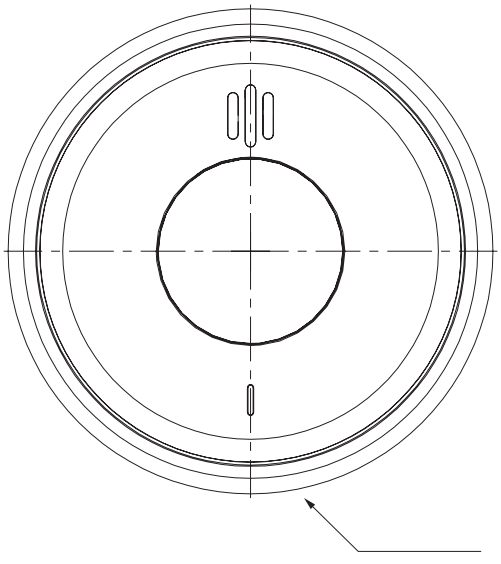
- The device uses the frequency band 868.0–868.6 MHz and enables reliable communication between individual system elements at a distance of up to 1000 meters in open space without interference

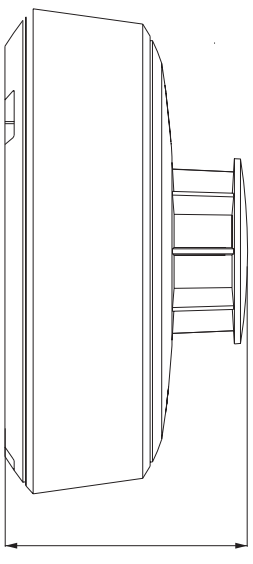
# Technical specification

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| Sensor technology | Thermistor temperature sensor class A1 |
| Microprocessor | AI SAFE with predictive algorithm |
| Remote alarm silencing | SIC technology for remote alarm silencing via IR remote control (not included in package) |
| Operating radio frequency | 868 MHz |
| Radio signal range | Up to 1000 m in open space |
| Max. number of connected devices | 24 FireSAFE units |
| Alarm at temperature range | +54 °C to +65 °C |
| PCB protection | Insulating and protective lacquer coating with IZOVAX nanoparticles |
| Power supply | 3V DC, 1x CR123A lithium battery (non-replaceable) |
| Power consumption | • Standby mode: ≤15 uA<br>• During alarm: ≤60 mA |
| Battery life | 10 years |
| LED indication | Operation, alarm and fault |
| Operation | Green LED indicator flashes once per minute |
| Alarm | Red LED indicator flashes once per second |
| Fault | Red LED indicator flashes once per minute |

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|---|---|
| Alarm signaling | • Acoustic - 85 dB at 3 m<br>• Red LED indicator |
| Measurement interval | Repeated cycle every 10 s |
| Installation method | On ceiling |
| Housing material | PC + ABS |
| Housing color | White |
| Operating temperature | -10 °C to +55 °C |
| Operating humidity | Up to 95% relative humidity without condensation |
| Storage conditions | • Temperature: -20 °C to +60 °C<br>• Humidity: 5% to 95% relative humidity without condensation |
| Silencing time | 9 minutes |
| Approval | BS 5446-2: 2003 - Heat detectors class A1 |
| Marks | CE, CE UKCA |
| Warranty | 10 years (on device and battery) |
| Product dimensions | Diameter 93.8 mm, height 46.9 mm (with mounting bracket) |
| Product weight | 115 g (including battery) |
| Product packaging dimensions | 103 x 52 x 103 mm |
| Product packaging weight | 173.7 g |
| Carton Dimensions | 475 x 329 x 278 mm |
| Carton Weight | 7.5 kg |
| Number of units per carton | 40 pcs |
| EAN Code | 0703123018234 |

# Product dimensions




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