Product line CONNECTED

10Y30 - RF

Wireless smoke fire detector FireSAFE with photoelectric dual-spectrum sensing chamber and 10 years warranty on device and built-in battery



CONNECTED wireless interconnection of FireSAFE devices

- For safe, stable and reliable communication, the system has its own FireSAFE radio technology between individual devices operating at a frequency of 868 MHz
- The detector includes an integrated RF module that enables, thanks to the CONNECTED function, 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 of the continuously growing FireSAFE CONNECTED portfolio
- An intelligent central control unit FireSAFE Hub can be added to the wireless network, which enables convenient setting and control of the complex FireSAFE system
- Easy installation of individual devices without need for cabling

Dual-spectrum sensor

- Dual-spectrum optical sensor with blue and infrared LED source with different wavelengths
- Technology for determining the size of volatile particles inside the optical chamber
- Responds only to real threat in the form of smoke
- Ignores similar composition of water vapor or other vapors

Protection against foreign bodies

- Dust and insect resistant smoke detection chamber design
- Designed for stable performance with the possibility of minimizing contamination that could negatively affect the speed and reliability of detection
- Direct connection to AI microprocessor in combination with predictive algorithm offers the most reliable detection method

SIC remote alarm silencing IR remote control

- SIC enables remote silencing of alarm acoustic signaling by pressing any button on a standard IR remote control (most 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 end of life

PCB protection with IZOVAX nanoparticle lacquer coating

- Electronic components and printed circuit board of the detector is provided with insulating and protective layer of varnish with IZOVAX nanoparticles and thanks to innovative technology of dual-spectrum optical chamber sensing, which is able to distinguish smoke particles from water vapor, unlike conventional fire detectors, the device can be installed even in very humid environments

Certification 10 years warranty

- This wireless fire and smoke detector was independently tested by an accredited German laboratory TÜV as a fire safety solution meeting all required European standards including ČSN EN 14604:2009 and Regulation of the European Parliament and of the Council (EU) No. 305/2011

  Extended 10-year warranty

Technical specification

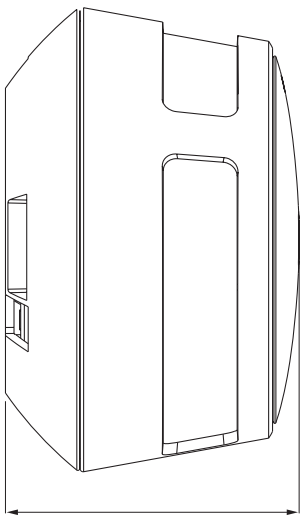
Sensor Technology	Dual-spectrum optical (photoelectric)
Microprocessor	AI SAFE with predictive algorithm
Remote alarm silencing	SIC technology for remote alarm silencing via IR remote control (not included in package)
Operating radio frequency	868 MHz
Radio signal range	Up to 1000 m in open space
Max. number of connected devices	24 FireSafe units
Detection area	For room heights less than 8 m the protected area of the device is 20 m² – 40 m²
PCB protection	Insulating and protective varnish layer with IZOVAX nanoparticles
Power supply	3V DC, 1x CR123A lithium battery (non-replaceable)
Consumption	• Standby mode: ≤15 uA • During alarm: ≤35 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
Malfunction	Red LED indicator flashes twice per minute

Alarm signalization	• Acoustic - 85 dB at 3 m • Red LED indicator
Preset alarm value	0.2 dB/m – 0.3 dB/m
Installation method	On ceiling or wall
Housing material	PC + ABS
Housing color	White
Operating temperature	-10 °C to +55 °C
Operating humidity	Up to 95 % RH without condensation
Storage conditions	• Temperature: -20 °C to +60 °C • Humidity: 5 % to 95 % RH without condensation
Silencing time	9 minutes
Declaration of Conformity	CE
Certification	EN 14604:2005+AC: 2008
Warranty	10 years (on device and battery)
Product dimensions	diameter 81.5 mm; height 51.6 mm (with mounting bracket)
Product weight	110 g (including battery)
Product packaging dimensions	61 mm x 86 mm x 98 mm
Product packaging weight	160 g
Carton dimensions	395 mm x 360 mm x 260 mm
Carton weight	7.2 kg
Number of pieces per carton	40 pcs
EAN code	0703123018227

Product dimensions



ø 81,5 mm



51,6 mm