Basic product line

10Y30 - PRO

Autonomous smoke fire detector with photoelectric dual-spectral sensing chamber and 10-year warranty on the device and built-in battery



Dual-spectral Sensor

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

Foreign Body Protection

- 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 the AI microprocessor in combination with predictive algorithm offers the most reliable detection method

SIC Remote Alarm Silencing

- SIC allows remote silencing of the acoustic alarm by pressing any button on a common IR remote control (most home appliance remote controls, e.g. TV)

Battery Operation

- Battery operation allows for quick and easy installation
- Guaranteed operation for up to a decade
- Integrated 3 V lithium battery (built-in, non-replaceable)

IZOVAX Protection

- Electronic components and the detector's printed circuit board are provided with an insulating and protective layer of varnish with IZOVAX nanoparticles for the possibility of installing the device in a wide range of working environments

Certification

- The SAFE 10Y30 fire and smoke detectors have been independently tested by the accredited German laboratory TÜV as a fire safety solution meeting all required European standards including ČSN EN 14604:2009 and Regulation (EU) No. 305/2011 of the European Parliament and of the Council

Technical specifications

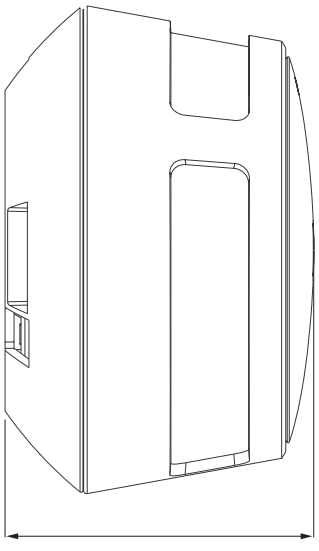
Smoke detection	Dual-spectral optical (photoelectric) sensing technology
Microprocessor	AI SAFE with predictive algorithm
Alarm silencing	• Manual - with silence button • SIC technology - remote alarm silence by IR remote control
Silence time	9 minutes
Detection area	At a height of less than 8 m the protected area is 20 m^2 -40 m^2
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 • In 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
Fault	Red LED indicator flashes twice per minute
Alarm signaling	• Acoustic - 85 dB at 3 m • Red LED indicator

Alarm preset value	0.2 dB/m - 0.3 dB/m
Cover material	PC + ABS
Cover color	White
Mounting method	For ceiling or wall
Installation type	Indoor
Operating temperature	-10 °C to +55 °C
Operating humidity	Up to 95% RH non-condensing
Storage conditions	• Temperature: -20 °C - +60 °C • Humidity: 5% - 95% RH non-condensing
Product dimensions	diameter 81.5 mm; height 51.6 mm (with mounting bracket)
Product weight	110 g (including battery)
Product packaging dimensions	61 mm × 86 mm × 98 mm
Product packaging weight	160 g
Carton dimensions	395 mm × 360 mm × 260 mm
Carton weight	7.2 kg
Number of pieces per carton	40 pcs
Certification	ČSN-EN 14604:2009
Declaration of conformity	CE 1008-CPR-MC 69266708
Warranty	10 years (on device and battery)
EAN code	0703123017923

Product dimensions



ø 81,5 mm



51,6 mm