10YDCO - RF

Wireless Carbon Monoxide (CO) Detector



A new generation of wireless carbon monoxide detector with breakthrough detection using a second-generation electrochemical sensor and a color LCD display with environmental functions, which can operate as part of the FireSAFE fire safety system with support for the FireSAFE Hub central control unit or completely autonomously.

- CONNECTED wireless connection of FireSAFE devices
- Supports connection of up to 24 devices
- Electrochemical Carbon Monoxide (CO) Sensor
- Environmental LCD function with temperature and humidity display
- Radio signal range up to 1000 m
- Multifunctional LCD Display
- Battery operation for up to 10 years
- PCB protection with IZOVAX nanoparticle lacquer layer
- Free-standing structure for horizontal surfaces
- Certification EN 50291-1:2018 and 10-year warranty

Technical specification

CO (Carbon Monoxide) Detection	Electrochemical sensing technology
Device Type	A
Microprocessor	AI SAFE with predictive algorithm
Preset alarm value	30 ppm: 120 min; 50 ppm: 60 min to 90 min; 100 ppm: 10 min to 40 min; 300 ppm: < 3 min
Display	Multifunctional backlit LCD
Environmental Functions	Temperature and humidity display
Measurement Accuracy	Temperature ±0.1 °C; humidity ±1.5% RH
Alarm Signalization	Optical (three-colour LED indicator, backlit LCD display); acoustic (≥85 dB at 3 m)
LED Indication	Alarm, operation and fault
Alarm	Red LED indicator
Operation	Green LED indicator
Malfunction	Yellow LED indicator
Alarm silencing	Manual – via the silence button
Mute Time	9 minutes

Working Radio Frequency	868 MHz
Radio signal range	Up to 1000 m in open space
Maximum Number of Connected Devices	24 FireSAFE devices
Power Supply	3 V DC, 1× CR17450A lithium battery (non-replaceable)
Consumption	Standby mode: ≤20 µA; during alarm: ≤20 mA
Battery Life	10 years
Mounting	On the wall; on a horizontal surface
Installation	Indoor
Housing Material	PC + ABS
Housing Colour	White
Degree of Coverage	IP30
PCB protection	Insulating and protective lacquer layer with IZOVAX nanoparticles
Operating Temperature	−10 °C to +55 °C
Operating Humidity	Up to 95% relative humidity without condensation

Technical specification

Storage Conditions	Temperature: −20 °C to +60 °C; humidity: 5% to 95% relative humidity without condensation
Product Dimensions	133.5 × 63.5 × 28.9 mm
Product Weight	123 g (including battery)
Certification	ČSN EN 50291-1:2018; ČSN EN 50291-1:2018/AC:2021
Declaration of Comformity (DoC)	CE

Warranty	10 year (for device and battery)
Package Dimensions	45 × 80 × 135 mm
Package Weight	193 g
Carton Dimensions	540 × 430 × 335 mm
Weight of the carton	20.1 kg
Quantity per carton	96 pcs
EAN code	0703123018241



More on the web
smart-safe.eu/firesafe/en/produkty/safe-10ydco-rf

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