5YGAS - RF

Wireless Fire and Explosive Gas Detector



New generation wireless flammable and explosive gas detector designed for hazard detection based on Methane (CH_4) such as natural gas, biogas, CNG, SNG, mine gas, etc. The task of the detector is to ensure timely warning of impending danger in case of leakage of flammable and explosive gases in the monitored space.

- CONNECTED wireless connection of FireSAFE devices
- Supports connection of up to 24 devices
- Semiconductor sensor for flammable and explosive gases
- Informational and warning LED indication
- Radio signal range up to 1000 m
- Built-in siren and 85 dB loud alarm
- NC/NO type adjustable relay output contact
- Pulse voltage output contact 12V DC
- PCB protection with IZOVAX nanoparticle lacquer layer
- Constant power supply from AC 230V / DC 12V network
- Certification EN 50194-1:2023 with 3-year warranty

Technical specification

Gas Detection	Methane CH4 / natural gas
Sensor technology	Semiconductor sensor of the second generation
Device Type	A
Alarm	0.8 % LFL / LEL
Warm-up time	180 s
Sampling Period	200 ms
Sensor Lifespan	min. 5 years
Power Adapter	100 - 240 V ~ 50 / 60 Hz (max. 0.3 A)
Detector	12 V DC / 1.0 A (12.0 W) - external power adapter, cable length 3 m
Consumption	Standby mode: ≤1.5 W; during alarm: ≤2.5 W
Relay Output	1× COM / NO (12 V DC, 1.5 A)
Pulse Voltage Output	1× (12 V DC, 1.5 A)
Signalization	Optical - 3x LED indicator; acoustic - ≥85 dB at 3 m
AC Power	Green LED indicator (Power)
Alarm	Red LED indicator (Alarm)
Malfunction	Yellow LED indicator (Fault)
End of Life	Yellow LED indicator (EOL)
Exceeding the Permissible Concentration	Acoustic alarm 85 dB accompanied by visual indication of a red LED signal
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
Mounting	On the wall – fixed installation (screws are included in the package)
Installation	Internal – fixed installation
Protection	IPX2D
Housing Material	PC + ABS
Housing Colour	White / black
Operating Temperature	-10 °C to +55 °C
Operating Humidity	10% - 95% relative humidity without condensation

Technical specification

Storage Conditions	Temperature: -20 °C to + 60 °C; humidity: 5% to 95% relative humidity without condensation
PCB protection	Insulating and protective lacquer layer with IZOVAX nanoparticles
Certification	ČSN EN 50194-1:2023
Declaration of Comformity (DoC)	CE
Warranty	36 months

Product Dimensions	118.0 × 78.0 × 33.7 mm
Product Weight	123 g (232 g with power adapter)
Package Dimensions	78 × 90 × 135 mm
Package Weight	321.6 g
Carton Dimensions	903 × 800 × 580 mm
Weight of the carton	10.4 kg
Quantity per carton	30 pcs
EAN code	0728204234914



More on the web
smart-safe.eu/firesafe/en/produkty/safe-5ygas-rf

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