

## USER MANUAL



This instruction manual contains important information for the proper installation and use of gas detectors for carbon monoxide. Read the manual carefully before installation and keep it for future issues.

**FEATURES:**

- Long-life electrochemical sensor;
- Quick and easy installation;
- Signalization of increased gas concentration;
- Signalization for sensor fault;
- Positivity for temporarily sound mute;
- TEST mode.

**TECHNICAL SPECIFICATIONS**

Working voltage	220 V/50Hz
Power consumption	3W
Sensor type	Electrochemical
Detected gas	Carbon monoxide
Sensitivity	> 40ppm
Working temperature	0 - 40°C
Humidity	10 - 90 % Rh
Sound level	85 dB
Sizes	130 x 95 x 37 mm
Weight	0,190kg
Enclosure material	ABS
Enclosure colour	White (RAL 9003)

**CARBON MONOXIDE - DESCRIPTION**

Carbon monoxide gas is colorless and odorless. Inhalation CO binds to hemoglobin in the blood, to prevent the spreading of oxygen in the body. Higher concentrations lead to death within a few minutes. Common sources of CO are motor vehicles, stoves, fireplaces, barbecues, grills.

**LOCATION CO gas detectors**

It is advisable to install a 1 gas detector in each bedroom. Must also be installed 1 gas detector in all areas of suspected sources of CO - central heating boiler rooms with stoves, fireplaces, kitchens, garages.

**CAUTION:** This gas detector indicates the presence of CO to the sensor, but gas can be found in other areas where it can not be detected. This gas detector is used to detect CO regardless of the source of the issue. It is not suitable to detect smoke, fire or other gases. Gas detectors intended for use only in closed spaces. Do not use outdoors.

**POSITIONING OF CO GAS DETECTORS**

The unit should be mounted at a height not less than 1.5 meters above the floor and at least 1.85 m from the potential source of gas.

The unit should not be installed near the kitchen appliances, behind curtains, in areas with strong currents of air, just above the sink or stove.

**INSTALLATION:**

Install the unit in a controlled area on a carrier or directly on the wall.

**To install the gas detector:**

- Use the mounting holes and through 2 mounting screws and dowels secure unit.
- Open the plastic housing of the appliance by pressing the pin in the bottom of the vessel and the subsequent lifting of the lid.

**OPERATION:**

**INITIAL WAITING** - for self-preparation. Lasts 30 seconds and ends with a double beep sound. Green LED flashes.

**NORMAL OPERATION** - Green LED illuminates.

**ALARM** - Indication of the presence of gas.

-The first 5 seconds - a green LED is not lit, the red LED flashes, the unit produces an intermittent beep.

- After 5 seconds - a green LED lit, red LED lit, the unit emits a continuous beep. Activates the relay output.

**FAULT** - Green LED flashes. The device produces an intermittent beep.

**PAUSE** - After pressing the button. Yellow LED flashes quickly. Beep and the relay output are OFF. This mode lasts 5 minutes and can be terminated earlier by pressing the TEST button.

**TEST** - After pressing and holding the button until it emits a signal (this would take approximately 5 sec) and red LED lits, the button shall be released, thus the device enters TEST mode and triggers all LEDs, sound and relay for 2 sec approximately. There after, the device enters normal state and only green LED is lit.

**MAINTENANCE OF GAS DETECTOR**

To ensure long and trouble-free operation test device at least once a month (procedure TEST). Once a month, clean the appliance from dust with a vacuum cleaner, brush or damp cloth. When cleaning do not use solvents.

**SYMPTOMS OF CARBON MONOXIDE POISONING**

With limited exposure - slight headache, nausea, vomiting, fatigue.

With an average exposure - severe throbbing headache, drowsiness, rapid heartbeat.

At high exposure - convulsions, unconsciousness, cessation of circulation, heart failure, death.

In most cases of CO poisoning victims people are conscious but helpless. The biggest damage in young children.

**IN CASE OF ACTIVATION OF THE GAS DETECTOR**

-Immediately take care of fresh air - open all doors and windows and exit the room.

-Make sure that all the people there.

-Do not go back into the room until it is fully aired and gas alarm is not triggered.

-If you feel even the slightest signs of poisoning, immediately contact emergency services.

If, within 24 hours of the alarm recurs, perform these tasks again and call a specialist to discover the source of CA.

**ATTENTION! Activation of the gas detector is an indication of the presence of carbon monoxide. This can be deadly.**