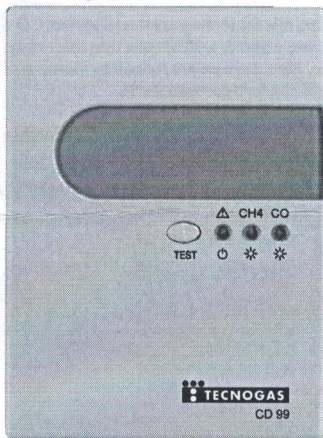


TECNOGAS

I percorsi della tecnologia.



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

FEATURES:

- Long life electrochemical sensor for CO;
- Catalytic sensor for CH detection
- Quick and easy installation;
- Signalizations of increased gas concentration;
- Signalization for sensor fault;
- Possibility for temporarily sound mute;
- TEST mode.

TECHNICAL SPECIFICATIONS

Working voltage	220 V/50Hz
Power consumption	3W
Methane gas sensor	Catalytic
Methane alarm threshold	10%LEL
Carbon monoxide sensor	Electrochemical
CO measuring range	Carbon monoxide
Detected gas	30 - 300ppm
Sensitivity	> 40ppm
Working temperature	0 - 40°C
Sound level	85 dB
Sizes	130 x 95 x 37 MM
Weight	0,230kg
Enclosure material	ABS
Enclosure color	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 AND POSITIONING OF THE GAS DETECTOR

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. The unit should be mounted at a height not less than 1.5 meters above the floor and no higher than 30cm from the highest point of ceiling. 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.

CAUTION: This gas detector indicates the presence of gas to the sensor, but gas can be found in other areas where it can not be detected. This gas detector is used to detect gas 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.

CD-99 DOUBLE GAS DETECTOR CH4+CO

INSTALLATION:

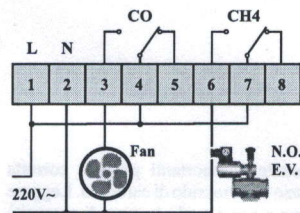
Install the unit in a controlled area on a carrier or directly on the wall.

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.



ELECTRICAL CONNECTIONS:



OPERATION:

INITIAL WAITING - self-preparation. Lasts 60 seconds. Green LED flashes.

NORMAL OPERATION - Green LED illuminates.

ALARM-CH4 - Indication of the presence of CH4 gas. Green LED illuminates. The first 5 seconds red LED-CH4 flashes. After 5 seconds - red LED-CH4 lit permanently, the unit emits a continuous sound and activates the CH4 relay output.

ALARM-CO - Indication of the presence of CO gas. Green LED illuminates. The first 5 seconds red LED-CO flashes. After 5 seconds red LED-CO lit permanently, the unit emits a intermittent sound and activates the CO relay output.

ALARM-CH4+CO - Indication of the presence of CH4 and CO gas. Green LED illuminates. The red LED-CH4 and LED-CO lit, the unit emits consistently interrupted and continuous sound. Both CH4 and CO relays are activated.

CH4 SENSOR FAULT - yellow LED is blinking. Red LED-CH4 is blinking. The device produces short sound signals.

CO SENSOR FAULT - yellow LED is blinking. Red LED-CO is blinking. The device produces short sound signals.

PAUSE - After pressing the button. Green LED flashes. Sound and relays output are OFF. This mode lasts 5 minutes and can be terminated earlier by pressing the TEST button.

TEST - Press and hold the button till the specific sound is heard. The instrument makes self test that lasts 20seconds and automatically enters NORMAL OPERATION mode.

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 or methane. This can be deadly.