



Warsaw

GENERAL SPECIFICATION

The microprocessor-controlled CARBON MONOXIDE ALARM

DDCO-N...

version DK2U3a

PURPOSE

The DDCO-N microprocessor-controlled detector of carbon monoxide is used for continuous monitoring of CO levels in air at home or in a flat. The monitoring is performed in premises where the gas is likely to occur, through periodic measurements of levels of carbon monoxide in the surrounding air. At the moment when the strictly determined CO level and the time of CO presence is exceeded, visual and acoustic alarms of the detector are engaged and its control outputs are activated (options).



TECHNICAL SPECIFICATION

Table with 2 columns: Model, DDCO-N... and rows for Supply voltage, Power consumption, Operating temperature, Operating humidity, Gas sensor, Detected gases, Interfering gases, Measuring method, Alarm settings, Accuracy of set ALARM level, Thermal stability, Alarm indicators, Outputs for ALARM, Dimensions, Housing, weight.

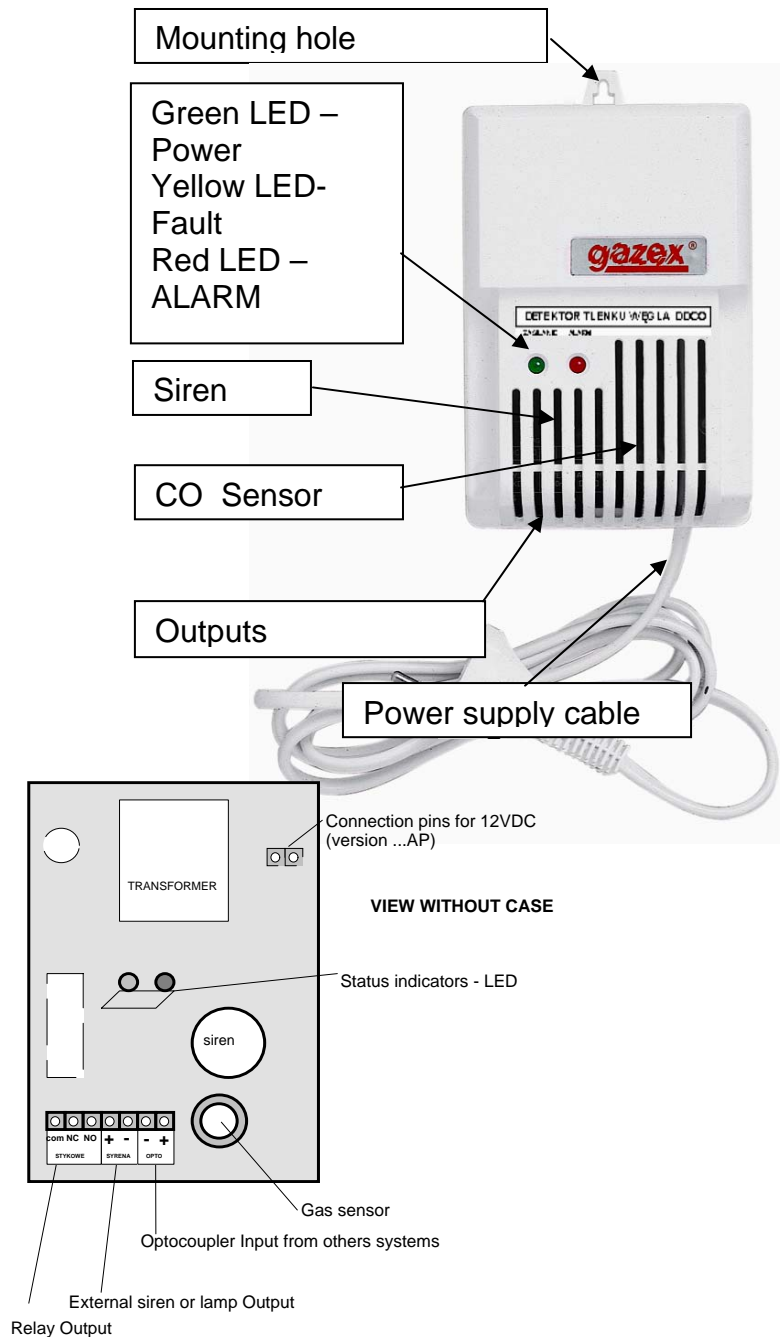
USE

- Boiler rooms with furnaces fuelled by solid or liquid fuels
Rooms with wood fireplaces
Rooms where transportable LPG heaters are used
Closed domestic garages
Permanently manned premises adjacent to boiler rooms
Gas-fuelled boiler rooms or kitchens

FEATURES

- Selective measurement of carbon monoxide concentration even at extremely low levels
Built-in microprocessor controlling all functions of the detector = reliability, work stability and temperature compensation circuit
Gas detector + power supply + siren + control unit – all in one case
Alarm thresholds according to EN 50291 or tailored to customer's requirements
Fully automatic device, no regulation or servicing elements
CO Sensor fault indication
9VDC output to control external siren (DK-S3) or lamp (DK-L1)
12V DC power supply available (...A model)

ELEMENTS OF DDCO-N...



HAZARDS

CARBON MONOXIDE (CO) is a gas easily absorbed by human body. Through the lungs it reaches the blood vessels, where it binds permanently to hemoglobin. High levels of CO in inhaled air as well as prolonged inhalation result of insufficient supply of oxygen to the brain and to the rest of the body and can lead to loss of consciousness or prompt death!

CARBON MONOXIDE is a colorless and odorless gas undetectable by human senses. Slightly lighter than air, susceptible to convection movements and easily mixing with air, it is **EXTREMELY HAZARDOUS** to human HEALTH AND LIFE.

Toxic symptoms developed by stationary person exposed to Carbon Monoxide

Concentration CO in air	Inhalation time and toxic symptoms developed
0.02 %	Slight headache within 2 - 3 hours
0.04 %	Frontal headache within 1 - 2 hours, becoming widespread in 2.5 - 3.5 h
0.08 %	Dizziness, nausea and convulsions within 45 min, Insensible within 2 h
0.16 %	Headache, dizziness and nausea within 20 minutes, DEATH in 2 hours
0.32 %	Headache, dizziness and nausea within 5 - 10 minutes, DEATH in 30 minutes
0.64 %	Headache, dizziness within 1 - 2 minutes, DEATH in 10-15 minutes
1.28 %	DEATH in 1-3 minutes

PRODUCER:

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