



Warsaw

GENERAL SPECIFICATION

REFRIGERANTS (HFC) DETECTOR

with EXCHANGEABLE, INTELLIGENT SEMICONDUCTOR SENSOR

WG-61.EG

ver. W2

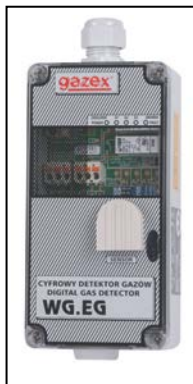
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PURPOSE

The WG-61.EG detector is used for continuous monitoring of refrigerant gases (HFC) in closed spaces. Monitoring is performed by periodically measuring the concentration of refrigerant in the ambient air. At the moment when the strictly determined threshold levels are exceeded, visual alarms of the detector are engaged and its control outputs are activated.

WG-61.EG is equipped with the easily exchangeable, intelligent sensor = LOW OPERATING COSTS.

The Freon® (HFC) detection system build with WG.EG detectors is very economical as well as extreme simple in mounting.



TECHNICAL SPECIFICATION

Table with 2 columns: Parameter and Specification. Rows include Supply voltage, Power consumption, Gas sensor, Operating temperature, Detected gases, Interfering gases, Measuring period, Protected area, Alarm settings, Thresholds, Accuracy, Thermal stability, Long-term stability, Calibration period, Optical alarm indicators, Acoustic alarm, Outputs, Dimensions, weight, Enclosure, and Guarantee.

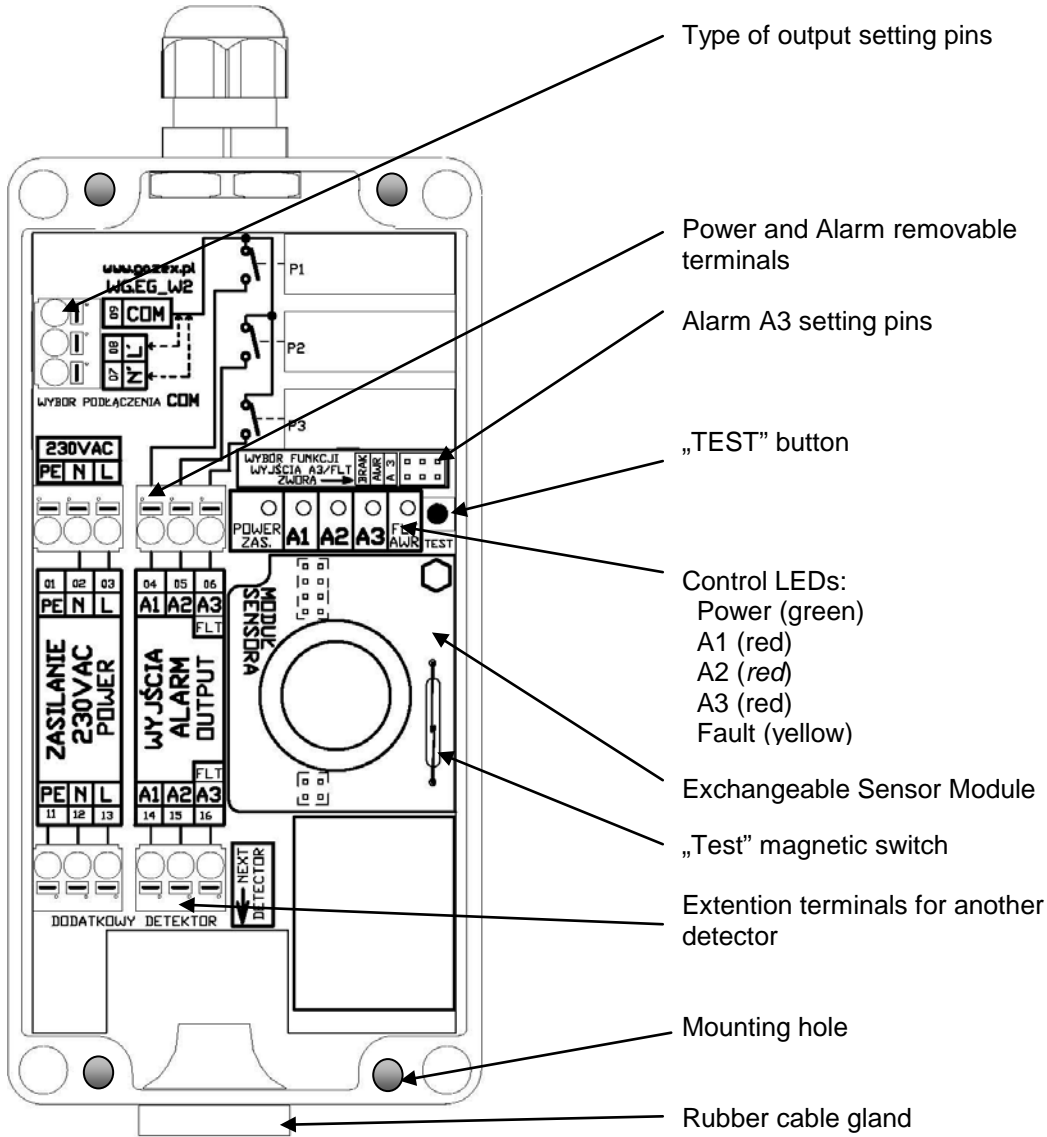
USE

- cooling engine rooms
rooms with cooling equipment, air-conditioning or heat pumps

FEATURES

- Measurement of refrigerants (HFC) at low levels
3 independent alarm thresholds calibrated to factory standards or tailored to customer's requirements
Standard calibration for R410A or R134a or R407C
Easy exchangeable sensor unit = LOW OPERATING COSTS
3 standard relay outputs, NO type
Removable terminals with a self-locking connectors = easy and fast system set-up
Built-in microprocessor controlling all functions of the detector = reliability, work stability, temperature compensation circuit, fully automatic operation
Gas detector + power supply + control unit - all in one solid case, splash proof (IP54)
Option: 12 or 24VDC power supply

ELEMENTS OF WG.EG



PRODUCER:

GAZEX

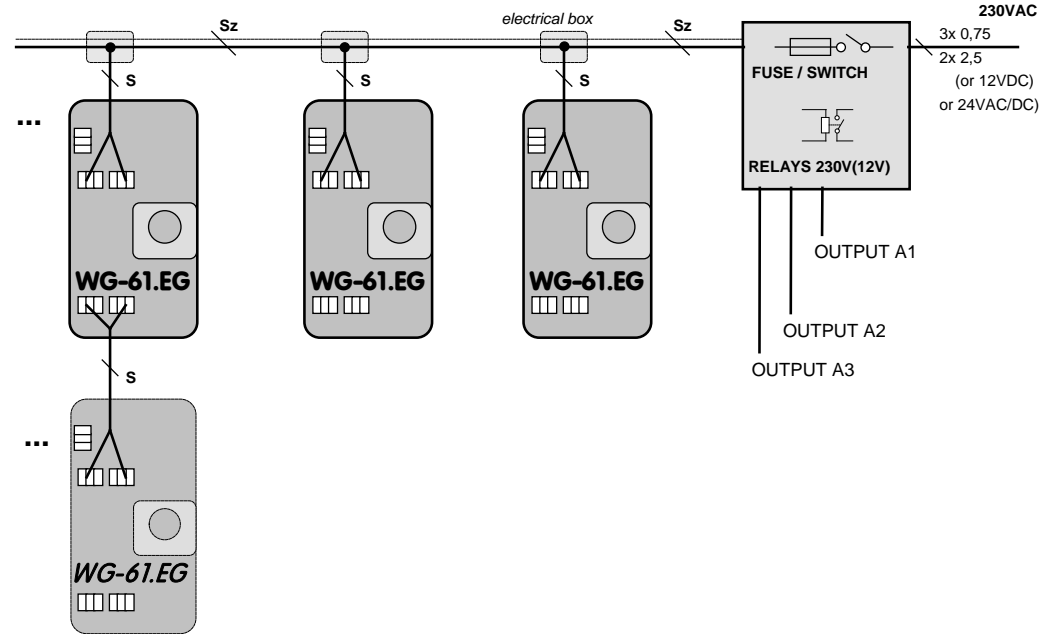
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BLOCK DIAGRAM OF HFC CONTROL SYSTEM



Recommended connection cables in the system with WG.EG

You can use single conductor wire, stranded wire or flexible cables

Cable selection table	System with common power/alarm terminals connected to „L” or “N” pin [No of wires] x [mm ²]		System with separated power/alarm terminals [No of wires] x [mm ²]		
	MODEL:	WG-nn.EG	WG-nn.EG/A	WG-nn.EG	WG-nn.EG/A
2-treshold System					
Cable Sz		5x (0,75 ÷ 1,5)	2x 2,5 + 2x 0,75	6x (0,75 ÷ 1,5)	2x 2,5 + 3x 0,75
Cable S		5x (0,75 ÷ 1,5)	4x (0,75 ÷ 1,5)	6x (0,75 ÷ 1,5)	5x (0,75 ÷ 1,5)
3-treshold System					
Cable Sz		6x (0,75 ÷ 1,5)	2x 2,5 + 3x 0,75	7x (0,75 ÷ 1,5)	2x 2,5 + 4x 0,75
Cable S		6x (0,75 ÷ 1,5)	5x (0,75 ÷ 1,5)	7x (0,75 ÷ 1,5)	6x (0,75 ÷ 1,5)
System power supply		230VAC	12VDC	230VAC	12VDC

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