



Warsaw

GENERAL SPECIFICATION

DIGITAL GAS DETECTOR with EXCHANGEABLE SENSOR

WG.EGx

(custom device)

ver. W1x

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PURPOSE

The WG.EGx detectors are used for continuous monitoring of specific gases in closed spaces. Monitoring is performed by periodic measuring the concentration of gas in the ambient air. At the moment when the strictly determined threshold level(s) are exceeded, visual alarms of the detector are engaged and its control outputs and siren are activated. WG.EGx is equipped with the easily exchangeable sensor = LOW OPERATING COSTS.

The gas detection system build with WG.EGx detectors is very economical as well as extreme simple in mounting.



USE

- closed garages and underground parking lots – ventilation control
rooms with cooling equipment, air-conditioning or heat pumps
boiler rooms with furnaces fuelled by solid or liquid or gas fuels
loading zones for trucks

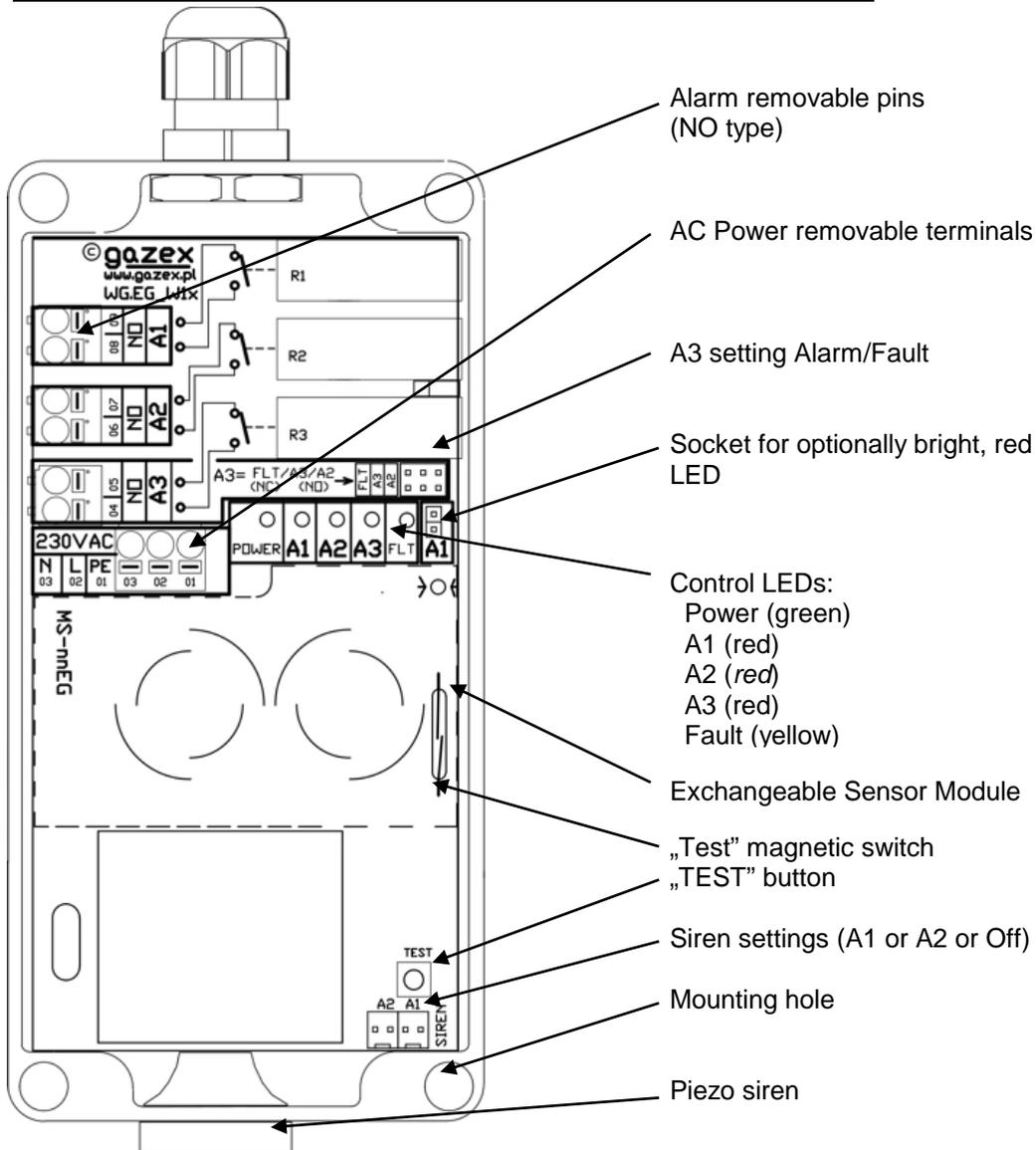
FEATURES

- Selective measurement of CO or methane or CO2 at low levels
1, 2 or 3 independent alarm thresholds calibrated to factory standards or tailored to customer's requirements
Easy exchangeable sensor unit = LOW OPERATING COSTS
3 standard relay outputs (NO type), built-in siren and optionally terminals for external siren
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 + siren = all in one solid case, splash proof (IP54)
Option: 12 or 24 VDC power supply

TECHNICAL SPECIFICATION

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

ELEMENTS OF WG.EGx



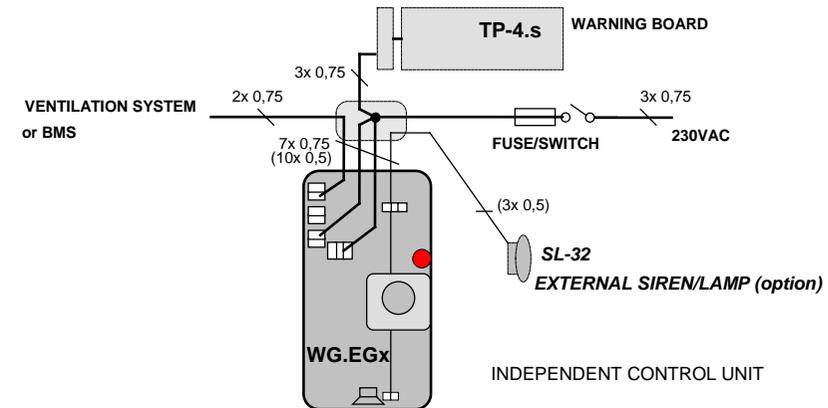
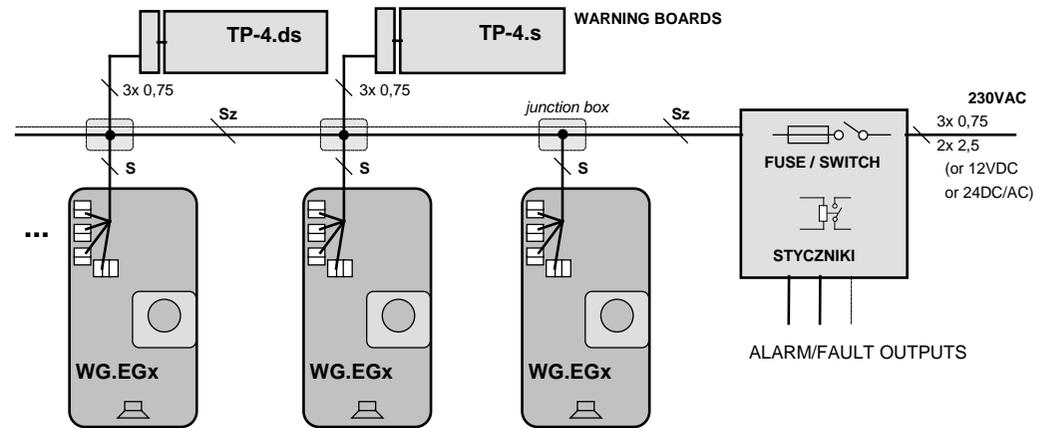
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BLOCK DIAGRAM OF GAS CONTROL SYSTEM



Recommended connection cables in the system with WG.EGx

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

Cable selection table	System with separated terminals [No of wires] x [mm ²]	
	MODEL: WG-nn.EGx *	WG-nn.EGx/A(24)
2-threshold System		
Cable Sz	7x (0,75 ÷ 1,5)	2x 2,5 + 2(4)x 0,75
Cable S	7x (0,75 ÷ 1,5)	4(6)x (0,75 ÷ 1,5)
System power supply	230 V AC	12 V DC (or 24 V DC)

*- WG-nn.EGx: nn= 11 (natural gas, CNG), 14 (methane - selective); 15 (propane-butane, LPG); 22 (carbon monoxide); 8R (CO₂); 28 (CO+CO₂); 61 (Freons - HFC)