



Warsaw

GENERAL SPECIFICATION

Digital detector CO/LPG/CNG/HFC

ADDRESSABLE, W/ DIGITAL PORT

with exchangeable , iNtelligent semiconductor SENSOR

DG.EN/M

Models: DG-nn.EN/M

version U2

PURPOSE

The economical, digital detector DG.EN/M is designed for continuous monitoring of gas concentration in the specified areas. Control is based on a cyclic measurement of the concentration of a gas in ambient air. Upon exceeding the preset gas concentration level :



- the optical alarm signalization turns on
the alarm information will be sent by net in RS-485 standard (MODBUS RTU protocol) on request from the supervisory module (e.g. MDD-256/T).

DG-nn.EN/M has an exchangeable module with carbon monoxide, methane, propane-butane or HFC sensor. Interchangeable sensor module streamlines maintenance, simplifies calibration and reduces operating costs.

"n" - means the integer code of the calibration/detected gas according to the nomenclature GAZEX: 22 = carbon monoxide, 15 = propane-butane (LPG), 11 = CNG (methane), 14 = methane (selective), 61 = HFC (chlorofluorocarbons)

SCOPE OF APPLICATION

- industrial area or installations individual protection
dispersed gas detection systems
factories, logistic centers, public buildings
GARAGES and underground parking - ventilation control and warning of the LPG/CNG discharge or CO presence

FEATURES

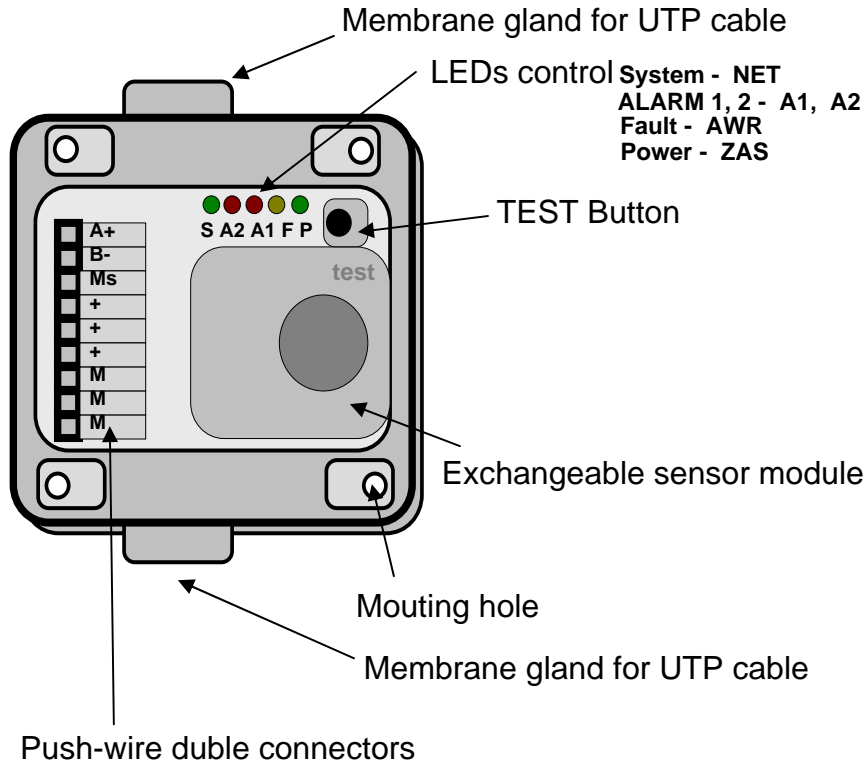
- communication, control and transfer of information through the port RS-485 with MODBUS RTU protocol
selective measurement of averaged concentration of carbon monoxide or detection of explosive gas levels are exceeded
semiconductor gas sensor in intelligent, EXCHANGEABLE module
Built-in microprocessor control provides reliability, stability, thermal compensation system, the history of alarm, semi-automatic address control
3 or 2 alarm thresholds CO / explosive gas
robust, splash-proof housing with high impact ABS (option: polycarbonate or aluminum)

TECHNICAL SPECIFICATIONS

Table with 2 columns: Model and DG-nn.EN/M. Rows include Power supply, Power consumption, Operating temperature, Humidity, Gas sensors, Detectable gases, Method of measurement, Alarm thresholds, Standard thresholds, Threshold accuracy, Thresholds stability, Long Term Stability, Calibration period, Optical/acoustic indication, Communication, Detectors net, Dimensions, and Housing, weight.

## DETECTOR DESCRIPTION

View in mounting position (without front cover)



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## BLOCK DIAGRAM of the SYSTEM

