



Warsaw

GENERAL SPECIFICATION

CONTROL UNIT

for Measuring Gas Detection System

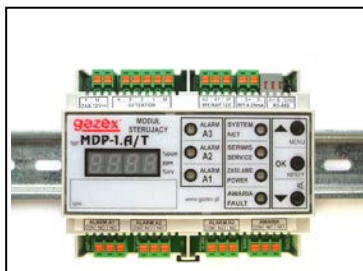
MDP-1.A/T

version W2

PURPOSE

Microprocessor-controlled Control Unit type MDP-1.A/T was designed to work with single gas detector type DEX/P, DG/P (also type DEX/F, DEX/A, DG/F, DG.EN) produced by GAZEX.

MDP-1.A/T periodically measures and checks detector signal. In the case of crossing over the predetermined gas concentration level - the optical signalization turns on, the outputs become activated and the alarm information can be sent over the RS-485 port with MODBUS Protocol (model MDP-1.A/TM).



SCOPE OF APPLICATION

- local toxic, oxygen or explosive gas detection systems
individual protection installations in industrial areas
dispersed detection systems

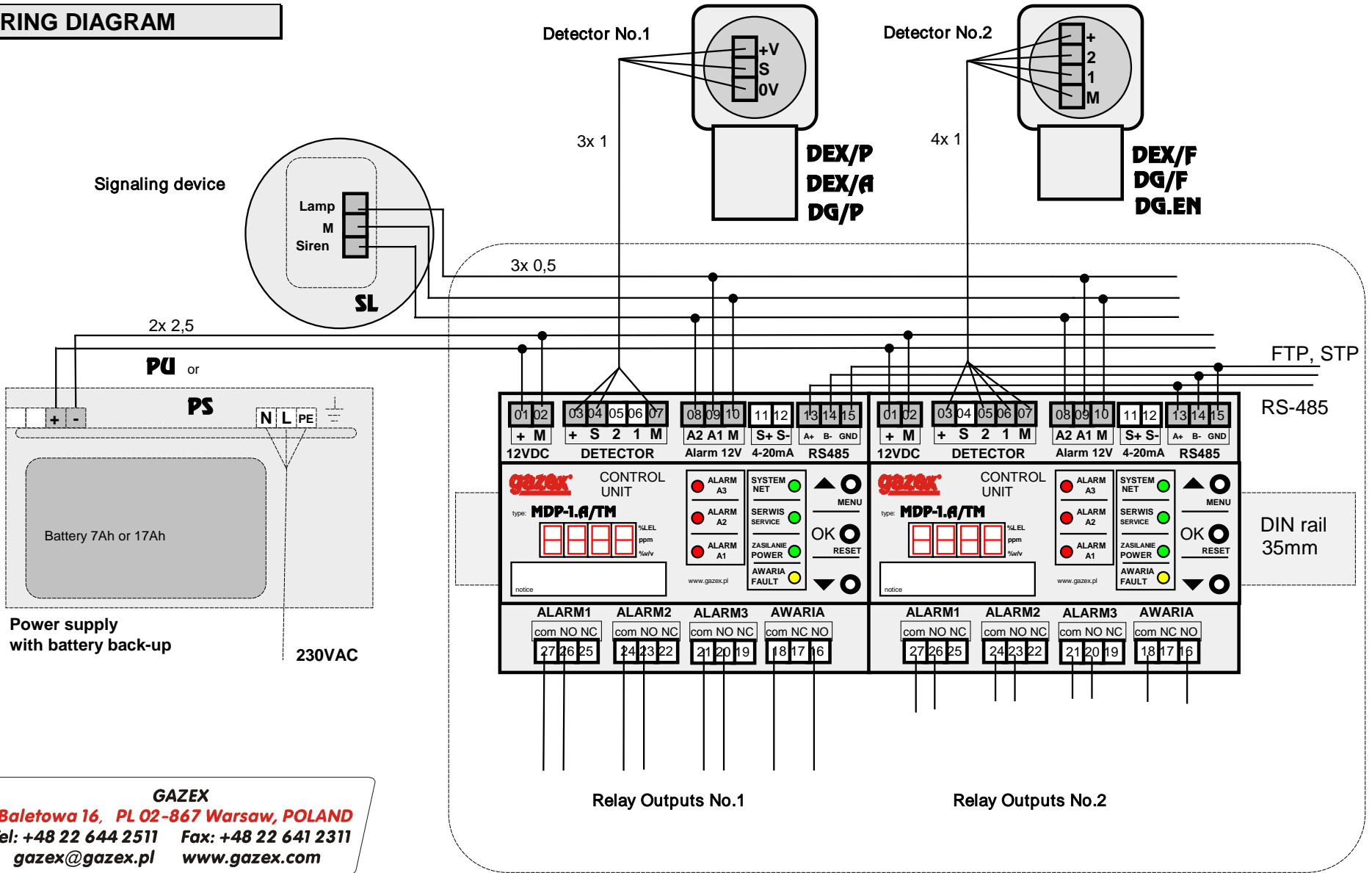
FEATURES

- one gas detector input (for DEX/DG/P or DEX/A or DEX/DG/F type), power supply with current limitation and connection control
gas concentration value LED display and steering outputs (A1, A2, A3 and fault) status optical signalization (LEDs)
A1, A2 alarms 12VDC separate outputs for the external signaling devices
separated relay outputs (A1, A2, A3 and fault) for the external signaling devices or fans steering; pluggable connectors;
face mounted keyboard for operation
option MDP-1.A/TM: communication port RS-485 (MODBUS RTU Protocol), remote control, diagnostics and identification of gas detector in local net;
option MDP-1.A/TM/420 (or /V10): 4-20mA (or 2-10V) analog output
case for mounting in standard cabinets (TH35 DIN rail)
12VDC supply (with LED signalization)

TECHNICAL SPECIFICATIONS

Table with 2 columns: Model and MDP-1.A/T... containing technical specifications for power supply, current consumption, operating temperature, detector input, measuring accuracy, alarm levels, digital output, analog output, alarm active outputs, alarm contact outputs, dimensions, weight, and housing.

WIRING DIAGRAM



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