



Warsaw

GENERAL SPECIFICATION

CONTROL UNIT

for Two-Thresholds Gas Detection System

MD-1.A/T

Type

version U1

©gazex'2010 v1007en

PURPOSE

Control Unit type MD-1.A/T was designed to work with single gas detector type DEX/F, DG/F or DG.EN produced by GAZEX.

SCOPE OF APPLICATION

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

FEATURES

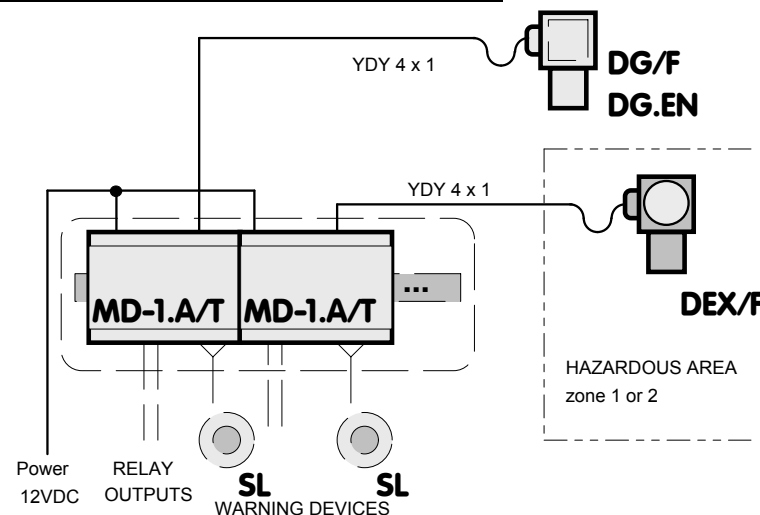
- one gas detector input for DEX/F, DG/F or DG.EN type (power supply with current limitation and connection control)
- status control a wired connection to the detector (signals interruption any wire)
- optical signalisation detector's alarm states and control outputs (without memory)
- A1, A2 - 12VDC alarm outputs for the external signaling devices
- separated relay outputs (one for each threshold) for the external signaling devices or fans steering
- case for mounting in standard cabinets (35mm DIN rail)
- outputs functionally compatible with control units outputs type MD-2 (4,8,16) (but no FAILURE output and no remote control input)
- 12V DC supply (with LED signalization)
- the ability to power directly from PU/T type universal power supply or universal control module type UMS-3/T (for 35mm DIN rail)



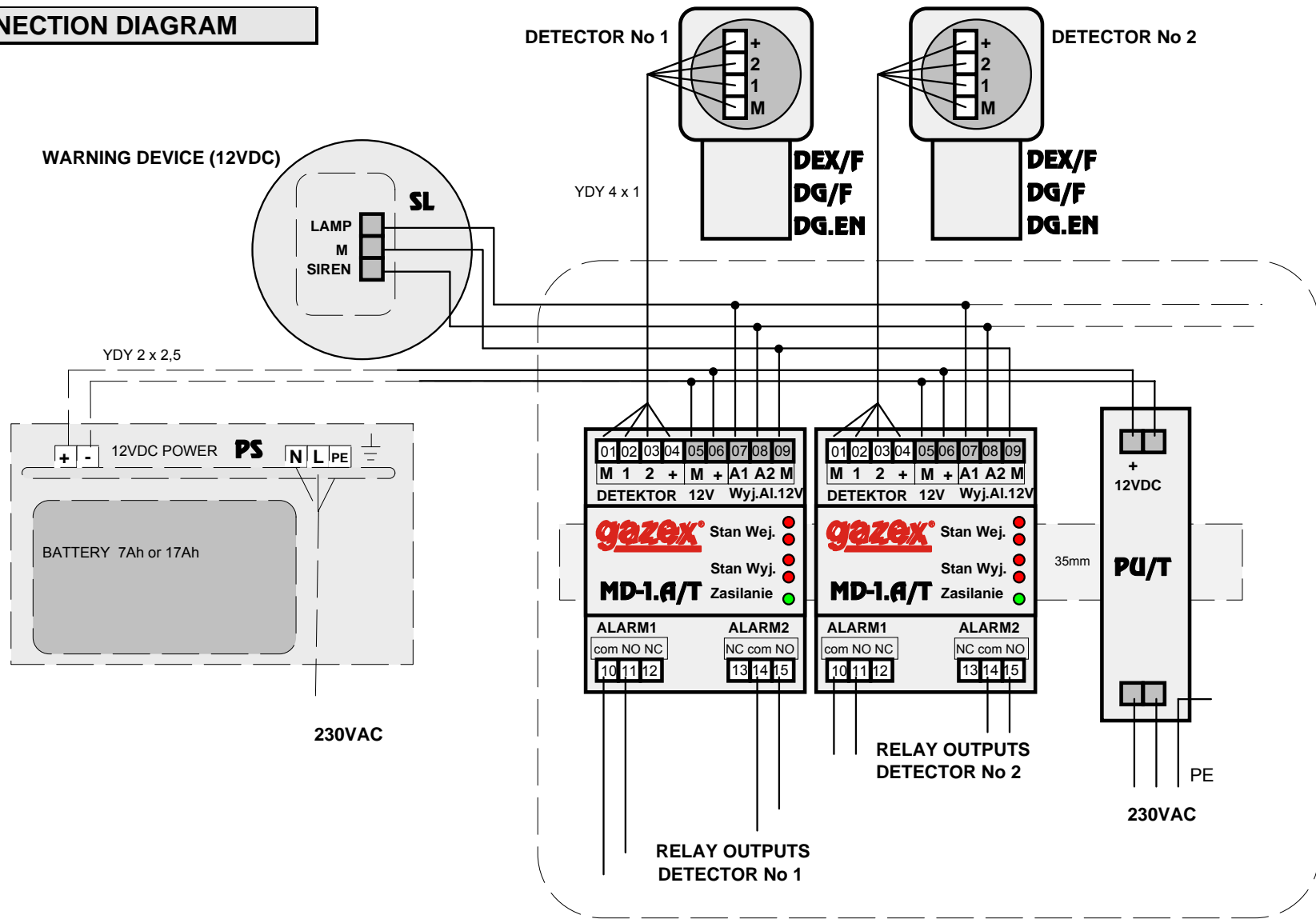
TECHNICAL SPECIFICATIONS

Model	MD-1.A/T
Power supply	12V DC (10,5 ÷ 15,0V)
Current consumption	max 0,3A DC (except alarm outputs current)
Operating temperature	-10°C to +40°C recommended, -20°C to +45°C temporary permissible (<2h/24h)
Detection channel	1, two-tresholds, for DEX/F or DG/F or DG.EN
Status signalization	7 LED lamps
Alarm active outputs	ALARM 1, ALARM 2 – relay, NO,NC type (max load resistive type < 4A, 230V AC) A1, A2 12V DC= (Σ A1,A2) = max 0,2 A DC)
Dimensions, weight	68 x 90 x 65 mm, W x H x D (4 mod. Wide) / approx. 0,2kg
Housing	polystyrene, IP20; for mounting in cabinet on 35mm DIN rail
Warranty	12 months Gazex Standard Warranty (SGG); possibility of extending the period to 36 months after product registration - Gazex Extended Warranty (RGG3Y)

BLOCK DIAGRAM



CONNECTION DIAGRAM



PRODUCER:
gazex **GAZEX**
 Baletowa 16, PL 02-867 Warsaw, POLAND
 Tel: +48 22 644 2511 Fax: +48 22 641 2311
 gazex@gazex.pl www.gazex.com

©gazex '2010. All rights reserved.
 The gazex logo, gazex, dex are registered trademarks of GAZEX.