



Warsaw

### GENERAL SPECIFICATION

## CONTROL UNIT

FOR REMOTE VALVE CONTROL IN  
AUTOMATIC GAS LEAKAGE PREVENTING SYSTEM type GX

# MD-X.ZA/2

version U4

### GENERAL PURPOSE

Microprocessor-controlled Control Unit type MD-X.ZA/2 was designed to work with MAG-3 type shut-off valves for Automatic Gas Leakage Preventing System type GX. Unit with high-current outputs can control other type valves with COD type solenoid or compatible.

Unit can be connected to all types of systems with 12VDC alarm outputs (and/or manual switches).



### SCOPE OF APPLICATION

- gas boiler houses
- public and apartment buildings
- industry buildings with infra-red heating systems
- LPG distribution bases

### OPERATIONAL FEATURES

- Controlling up to 4 valves (MAG-3 type, 2 per channel) ;
- 2 galvanic separated inputs;
- Long-distance remote valve control (up to 400 m);
- Remote control of shut-off valves in Ex zones (with non-replaceable cabling system – model MD-X.ZA/2x with 24VDC outputs);
- Fault relay output (to show unit internal problems, valve disconnection, internal battery problems or supply problems);
- Manual TEST button (under connectors cover);
- 1 zone or 2 separate zones operation;
- Operation capability with all MD type control units by GAZEX or others makers;
- 4 x LEDs and internal buzzer signalization (with/without memory);
- Valves connect signalization.

### TECHNICAL SPECIFICATION

Model	MD-X.ZA/2	MD-X.ZA/2x
Supply voltage	12VDC; max 10,5 ÷ 16VDC ((for short moments 9,5 ÷ 18VDC)	
Supply current	max 0,3A	
Operating temperature	-10°C ÷ +40°C recommended; +5°C ÷ +35°C optimal (for internal battery); -20°C ÷ +45°C periodically allowed (<2h/12h)	
Alarm inputs	2 inputs, 5...16VDC, 2 sec. delay, galvanic separated	
Signalization	optical: 4 x LED acoustic – internal buzzer	
High-current outputs	VALVE 1 – approx..12VDC impulse, max 12A VALVE 2 – approx.12VDC impulse, max 12A	VALVE 1 – approx. 24VDC impulse, max 12A VALVE 2 – approx.24VDC impulse, max 12A
Relay output	FAULT- max 4A (resistive load) or max 2A (single motor load ) or max 0,6A (inductive load); max 250VAC or 30VDC	
Measurements, weight	190 x 165 x 96 mm, B x H x D (including glands) / 1,8kg ( 2,2kg for MD-X.ZA/2x model)	
Enclosure	ABS, IP54,	
Guarantee	12 months Standard Gazex Guarantee (SGG); Possibility to extend to 36 months – after product registration procedure (RGG3Y)	

PRODUCER:

**gazex®**

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# CONNECTION DIAGRAM

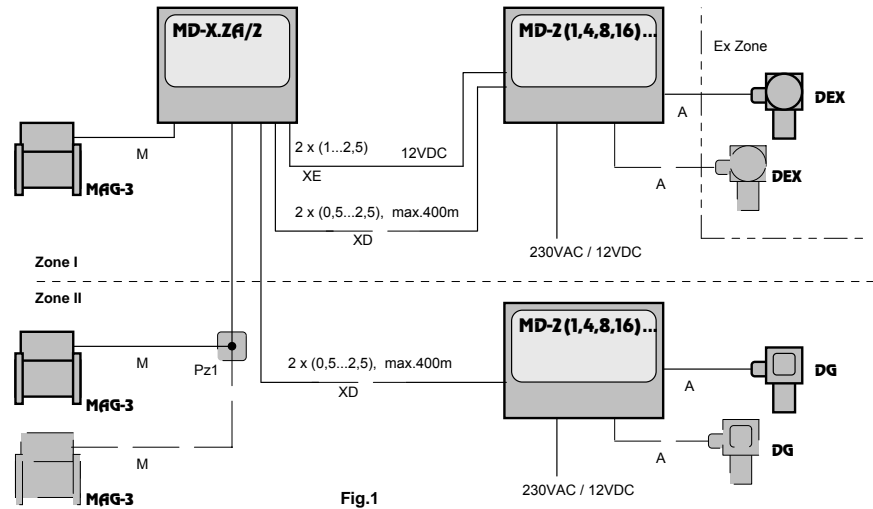


Fig.1

# INSTALLATION

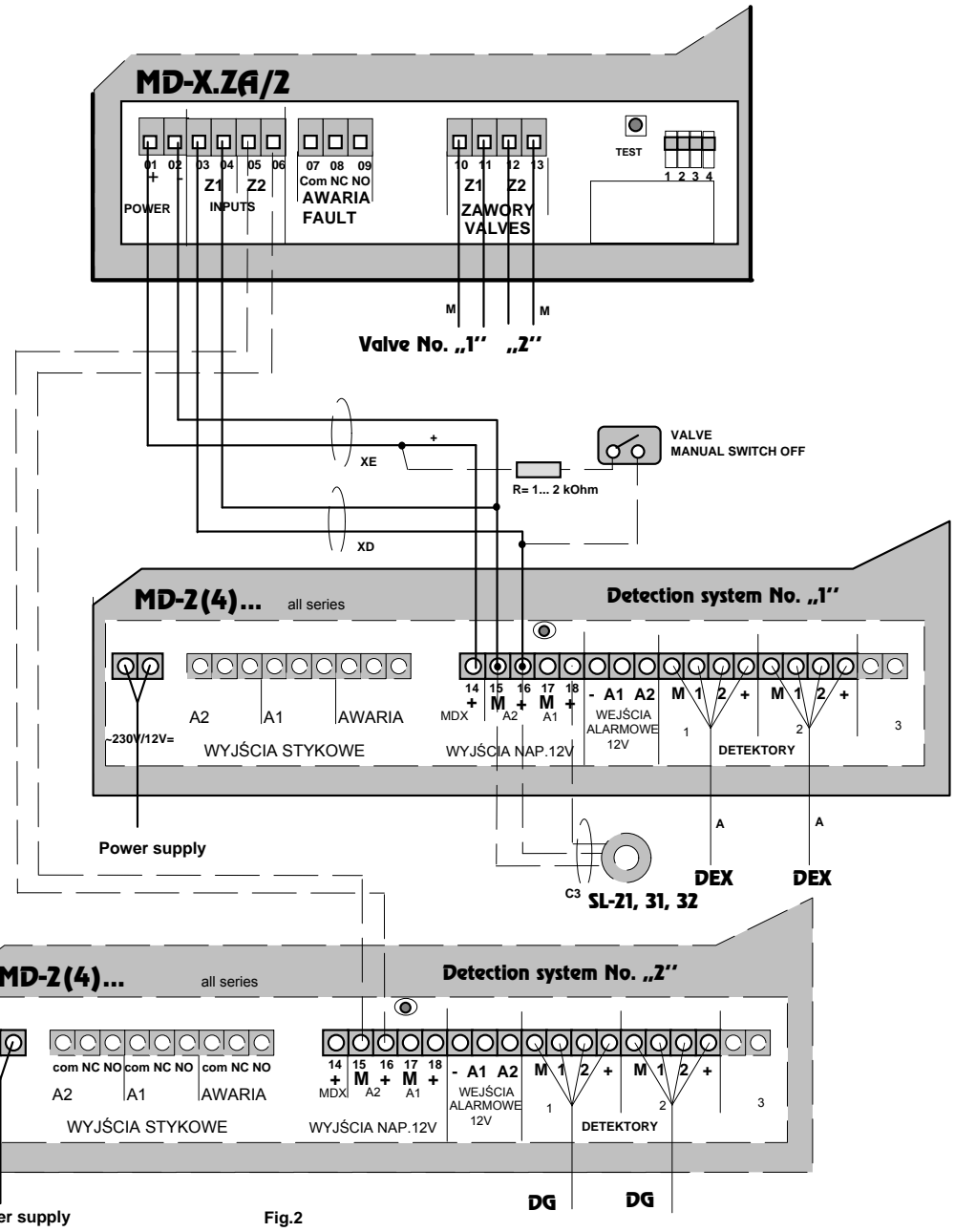


Fig.2

# UNIT ELEMENTS

View without front connection area cover

