MX32
Gas detection controller (up to 8 gas sensors)

Product description
The MX32 gas controller unit, available in Wheatstone bridge version, analog and/or digital, easily adapts in most applications with the possibility of connecting up to 8 detectors on all of its 2 channels.

This excellent value for money controller unit, has many advantages such as exceptional modularity, a backlit 4" graphic LCD display, 5 alarm levels programmable by channel, as well as contextual keys for easy menus navigation (several languages available).

3 available versions
The MX32 controller unit is available in 3 versions to meet the greatest number of applications:
- Version 1: 1 4-20 mA sensor or up to 4 digital sensors
- Version 2: 2 4-20 mA sensors or up to 8 digital sensors
- Version 3: 2 Wheatstone bridge sensors series OLC10/100

Numerous modules for great flexibility
The MX32 controller unit accepts different modules allowing system capacities and flexibility to be increased:
- Addressable module with 8 analog inputs that can receive all types of 4-20 mA analog transmitters
- Addressable module of 4 or 8 relays (+2 logic inputs) which can be deported as close as possible to servo controls.
- Addressable module with 16 digital inputs that can receive all digital information (emergency stop, limit switch, fire alarm).
- Addressable module with 4 analog outputs for connection to a recorder, a PLC, a building management system, etc.

The MX32 controller assets
- Up to 8 digital or 2 analog gas detectors
- Large graphic LCD screen and customizable views
- 5 alarm levels per measurement channel
- History of the last 512 events

Technical specifications

Function: Multichannel measurement and alarm controller
Capacity/number of sensors:
- Digital line: 4 detectors per channel, 2 lines max.
- Analog line: 4-20 mA linear inputs, 2 lines max.
- Wheatstone bridge line: 2 lines max. (OLC series)
Dimensions: 265 x 266 x 196 mm  IP Rating: IP55
Power supply: 100-240 Vac 50-60 Hz or 21-28 Vcc, 92 W max
Display: Backlit graphic LCD, user-customizable views, bargraph with indication of alarm thresholds
Status indicators: 7 LEDs for each of the 2 channels, 1 power-on indicator and 1 general fault indicator
Alarms: 5 alarm levels per measurement channel
Internal relays: 4 programmable potential-free changeover contact relays + 1 fault relay (non-configurable)
Digital output: RS485 Modbus protocol (optional)
Cable entry and exit: 5 PE M16 for cables from 4 to 8 mm² & 2 PE M20 for cables from 6 to 12 mm²
Certifications:
- SIL 1: According to EN50271:10
- CEM: According to EN 50270:2015, industrial type 2
Operating temperature: -20 to +50°C
Humidity: 5 to 95 % non-condensed

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