MX43
Gas Detection Controller (up to 32 gas detectors)

Description du produit
The MX43 multi-channel gas detection unit has been developed to meet the user's needs in terms of flexibility, quality and ease of use. It is a digital and analog unit intended for the measurement of gases present in the atmosphere with the possibility of connecting up to 32 gas detectors in 8-line version.

This controller has many advantages such as exceptional flexibility with a wide choice of input/output modules, a backlit 4'' graphic LCD screen, as well as contextual keys for easy navigation in the menus. An optional USB port allows archiving of measurements and events over several years with a 4 MB storage key.

Several versions available
The MX43 controller unit is available in 3 versions to meet the greatest number of applications. A 4-line version for wall mounting (up to 16 sensors), an 8-line version for wall mounting (32 gas sensors) or 19'' 4U rack mounting.

Numerous modules for great flexibility
The MX43 controller unit accepts different modules to increase the capabilities and flexibility of the detection system.

On-board relays: 5 fully programmable alarm relays potential free + 1 fault relay (non-configurable)

Technical specifications
Function: Multichannel measurement and alarm controller
Dimensions: 370 x 299 x 109 mm (wall-mounted version) 483 x 177 x 192,5 mm (rack 19'' 4U) – Ingress protection IP55 (wall-mounted), IP31 (rack)
Capacity:
- Digital lines: 4 detectors per line, 8 lines max, RS485 communication, proprietary protocol
- Analog lines: Linear inputs 4-20 mA, 8 lines max.
Power supply: 100-240 Vac 50-60 Hz, consumption 500mA
Display: LCD back-lit display, user-customizable views, bargraph with indication of alarm thresholds
Visual indicators: 7 LEDs for each of the two channels, 1 power-on indicator and 1 fault indicator
Alarms: 5 alarm levels per measurement channel

Alarm levels per channel
- Alarms: 5 alarm levels per measurement channel
- Logs of the last 512 events (standard) and archiving of measurements and parameters on optional USB key.

On-board relays: 5 fully programmable alarm relays potential free + 1 fault relay (non-configurable)
Datalogging:
- By default, 512 storages by event types
- Optional USB port to save measurements and alarms
Digital output: RS485 Protocole Modbus (optional)
Cable entries: 12 PE M16, 4 to 8 mm² outer diameter cable & 6 PE M20, 6 to 12 mm² outer diameter cable
Certifications: EMC: according to EN50270
Operating temperature: -20 to +50°C

Nominal mode display
Alarm mode display
4 sensors simultaneously display
Calibration curve display