INTRODUCTION

The MX 43 is an analog and digital controller designed for the continuous measurement and control of the gases present in the atmosphere and for 4-20 mA or digital contact signal. The MX 43 digital technology allows up to 32 detectors to be distributed on 8 lines for increased cost savings.

The large graphic display and the smart keys make embedded menus simple to use.

With numerous optional accessories, the MX43 controller is the best solution for several gas detection applications.

TECHNICAL FEATURES

8 lines analog and digital gas detection controller
LCD back-lit display:
- Display in video inverse in case of fault
- Customizable by user
- Bar graph with alarm threshold

Dimensions:
- wall-mounted 370 x 299 x 109 mm (14.6 x 11.8 x 4.3 inches)
- rack 19", 4U ; 482.8 x 177 x 192.5 mm (19.1 x 7 x 7.6 inches)

Ingress protection: IP55 (wall-mounted), IP31 (rack)

Power: 100-240 Vac 50-60 Hz or 21-28 Vdc, 112 W max
Consumption: 500 mA min (without module)

Battery: Embedded back up power supply in option (0.6 Ah)

Communication: RS-485 communication, proprietary protocol, 9600 Baud

Alarms:
- 5 alarm levels (A1, A2, A3, Overscale, Underscale) + Fault
- On instantaneous or averaged values, rising or falling alarms, manual or automatic acknowledgement

Relays:
- 5 fully programmable alarm relays
- 1 fault relay (non-configurable)
- Dry contact relay

Approvals:
- EMC According to EN50270
- ATEX EN50271 and metrological performances according to EN60079-29-1
- Low Voltage Directive According to EN61010
- CSA Pending
- MTBF 20 years (4 lines, powered with 24 Vdc) 17 years (8 lines, powered with 24 Vdc)
- MED According to Marine Equipment Directive 96/98/EC. Fulfills the EMC requirements for installation in General Power Distribution Zone and/or Deck Zone.

Normal Mode
In 4-channel display
Data-logging
Alarm mode