MX32

Gas Detection Control Panel

The MX32 gas detection controller is an analogue and digital controller that continuously protects equipment and personnel in atmospheres where flammable and toxic gases may be present.

It uses the same platform as the MX43 which has already proven to be a very high performing and reliable controller.

Available with one or two channels, the MX32 offers tailor-made detection capabilities and exceptional programming possibilities compatible with a wide range of fixed gas detectors.

"The total cost of ownership is enhanced by easy installation and operating flexibility"

KEY FEATURES

- One or two channels, up to four or eight detectors
- Manages Wheatstone bridge sensor inputs without the need of additional module
- Two extra MOSFET outputs for driving the audible and visual alarms
- Front panel LEDs allow for a quick and basic overview of the installation and alarm buzzer
- Up to eight detectors to be distributed on two lines for increased savings
- Smart keys make embedded menus easy to use

MX 32 takes analog and digital inputs and covers all needs for a wide variety of applications.
The MX 32 digital technology allows up to eight detectors to be distributed on two lines for increased cost savings.

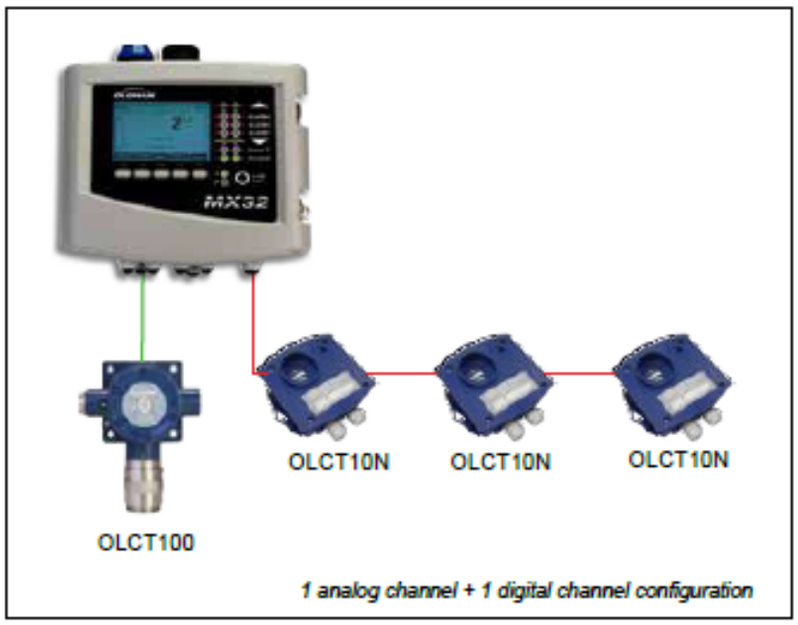
Ordering information

MX32-A-B-C-D-E-F

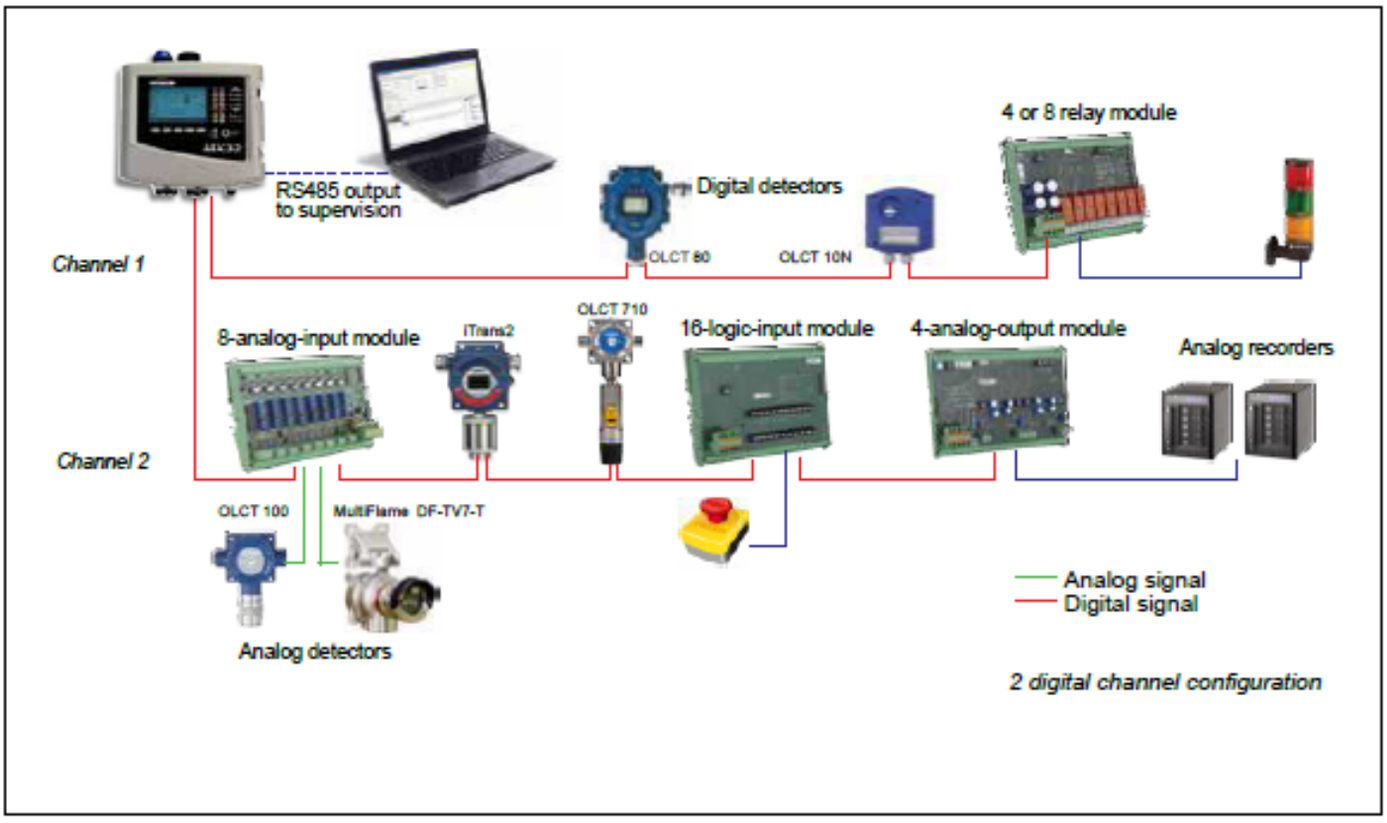
Version	Power supply	Language	Strobe and Audible alarm combination	RS 485 serial output	COM 32 software
1- 1 channel 2- 2 channels 3- Wheatstone bridge	1- 24Vdc 2- 100/240Vac	1 - French 2 - English	0- Without 1- Red 2- Blue	0 - Without 1 - With	0 - Without 1 - With (USB cable included)

f.i: MX32-1-2-2-2-1-1 for MX32 1 channel, 100/240Vac, English, Blue strobe & horn, RS485 output et COM 32 software

Configuration Examples



Analog signal
Digital signal



Technical Specification

Dimensions (w*h*d):
- 265 x 266 x 96 mm

Weather protection:
- IP55

Weight:
- 1,750 g

Buttons:
- 5 smart keys
- 1 audible alarm accept/reset button

Display:
- LCD back-lit display + smart keys
- Display in grayscale mode in case of fault
- Customisable by user (display 1 to 8 channels simultaneously, fixed or scrolling, on events...)
- Bar graph with alarm threshold

Visual Indicators:
- 7 LEDs per line
- 1 LED fault indicator
- 1 LED fault indicator

Operating & storage temperature:
- -20°C to +50°C

Relative humidity:
- 5% to 95% RH

Power input:
- 100-240Vac 50-60Hz (35W)

Digital lines:
- 2 maximum
- RS-485 communication, proprietary protocol, 9600 Baud
- 2 twisted shielded-pair cable

Analogue channels:
- 2 maximum (4-20mA or Wheatstone Bridge)
- 0-23mA analogue signal input (4 to 20mA reserved for measurement) or OLC 10, OLC 10Twin and OLC 100 flammable gas detectors (Wheatstone bridge type)
- 120 Ohm load resistance
- 2 or 3 core shielded cable depending on detector

Maximum current output per line:
- 0,65 to 1A with internal AC power or 1.5A with external DC power

Maximum current output in total:
- 0,65 to 1A with internal AC power or 2x1.5A with external DC power

On-board relays:
- 4 fully programmable alarm relays + 1 fault relay (non-configurable)
- Dry contact relay, DPCO relays, contact rating 2A / 250 Vac - 30Vdc

External relays:
- Up to 16 fully programmable alarm relays
- Dry contact relay, DPCO relays, contact rating 2A / 250 Vac - 30Vdc

Digital outputs:
- RS-485 Modbus RTU

Analogue outputs:
- Up to 8 outputs (4-20mA)

Approvals:
- EMC According to EN 50270:15
- Low voltage directive According to EN 61010-1:10
- SIL1 According to EN 50271:10 (pending)

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