

Q: I am already familiar with the MX 43. Is the MX 32 the same?

A: Yes. The MX 32 can be considered as an MX 43 with two lines. Even COM 32 programming software looks alike COM 43. The MX 32 is designed to monitor up to 8 detectors. Unlike the MX 43, it does not feature on-board back-up battery or datalogging on USB.

Q. What are the available versions?

A. MX 32 is available in the following versions:

- One or two digital lines or analog channels for connection with analog or digital detectors.
- Two direct Wheatstone bridge sensor inputs for OLC 10 and OLC 100.

Q : I already have COM 43. Can I use it with an MX 32?

A: No. You cannot use the COM 32 to program an MX 43 and vice versa.

Q : Can we switch from a one-line version to a two-line version?

A: Switching from one to two lines means replacing the main board. With COM 32 programming software, you can download the existing configuration. Then proceed to the modifications before re-entering the new program. No need to re-type everything!

Q : What are the power supply options?

A: In standard mode, the MX 32 is powered by 24Vdc. A 100-240Vac power option is available. The MX 32 cannot be powered by 24Vdc and by 100-240Vac simultaneously.

Q: What is the maximum current available per measuring line?

A: The maximum current is 1,5A per line when the controller is powered by an external 24Vdc, 92W source. Maximum current is between 0,42A (Tamb = 50°C) and 1A (Tamb ≤ 30°C) for both lines when the controller is internally powered by 100-240Vac.

Q: Which modules are part of the system?

A: As with MX 43, the MX 32 controller accepts:

- 4 or 8-relay module: Can be located closer to the actuators for cost savings.
- 4-analog-output module: Delivers four analog 4-20 mA signal outputs (detector output copy, minimum, maximum, average of a group of detectors) for connection to a data logger, a PLC, a Building Management System (BMS), etc.
- 16-logic-input module: For recovery of digital information such as fire or intrusion alarms, emergency stop, limit switch activation, etc.
- 4 or 8-analog-input module: To work with all types of 4-20mA transmitters (gas, flame, temperature, etc.) and also with Wheatstone bridge detectors, Digital or analog gas transmitter.

Q: What is the full system capacity per version?

A: MX 32 capacity is as below:

Version	Lines	Detectors	AIM	RLM	LIM	AOM	External relays	Logic input	4-20mA output
1 line	1	4	1	2	1	1	8	16	4
2 lines	2	8	2	4	2	2	16	16	8
Wheatstone bridge version	2	1 per line (2 if OLC 10Twin)	0	0	0	0	0	0	

Key: AIM=Analog Input Module, RLM=Relay Module, LIM=Logic Input Module, AOM=Analog Output Module

MX 32

FAQ

Q: How many on-board relays are available in the MX 32?

A: Internally, the MX 32 has:

- Two transistor outputs for monitoring the on-board audible and visual alarms (optional)
- Five on-board relays: One non-configurable relay for fault conditions and four fully programmable relays.

Q: Which digital detectors are compatible with the MX 32?

A: Detectors type OLCT 80, OLCT 10N, iTrans2, iTrans (version ≥ 9.0) and OLCT 710 are 100% compatible.

Q: Can I connect detectors with Wheatstone bridge outputs?

A: The MX 32 Wheatstone bridge allows direct connection to detectors type OLC 10 or OLC 100, and 4 OLC 10Twin. In versions with two digital lines, it is possible to connect up to eight detectors through one or two 8 analogic input modules.

Q: Can we mix analog and digital lines?

A: With the MX 32 two-line version, it is possible to declare one analog line and one digital line.

Q: Can we mix both analog and digital transmitters on the same line?

A: No. An analog channel can only receive analog transmitters and a digital channel can only receive digital transmitters. However, using an analog input module that is digital, allows you to connect analog transmitters or mV flammable detectors to a digital line.

Q: Does the MX 43 use an internal battery?

A: MX 32 does not have an internal battery. It is recommended, as for any safety device, to supply the controller with a back-up battery.

Q: What are the serial outputs of the MX 32?

A: One USB port allows for the connection of a PC in order to set up the system using the COM32 programming software. One RS485 output in RTU Modbus is also available as an option to enable the connection of a SCADA or a Building Management System, etc.

Q: Is there any data logging capability?

A: The MX 43 can store up to 512 alarm events, 512 fault events and 512 system events. The MX 32 can display with curves, the last 10 days of measurements for each detector. Contrary to the MX 43, the MX 32 does not accept a USB key to save data and events.

Q: Is there a rack version?

A: The MX 32 is only available in a wall mounted cabinet version.

Q: Can the MX 32 be mounted outside?

A: The MX 32 is intended for indoor use only and shall be installed in premises without explosive atmospheres, away from direct exposure to sunlight, and protected from humidity, dust, and temperature variations. It shall preferably be located in a monitored environment (for instance: guardhouse, control room, or instrument room, etc.). Two toggle latches, one of them lockable, protect the control unit against intrusions. It is recommended to install a cap protection against object falls, snow and exposure to direct sunlight.

Q: Which languages are available with the MX 32 display?

A: The MX 32 display is currently available in French and English.