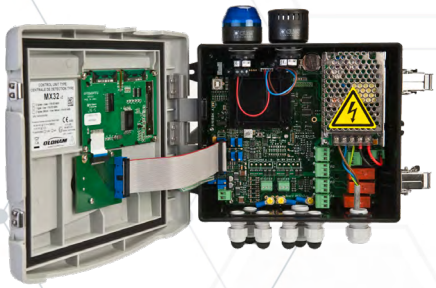
MX32V2

TELEDYNE OLDHAM SIMTRONICS
Everywhereyoulook™

THE DIGITAL AND ANALOGUE CONTROL PANEL THAT CAN SUPPORT UP TO EIGHT DETECTORS, TO KEEP INSTALLATION COSTS DOWN.

The MX 32 V2 is a digital and analogue control panel designed to measure gases present in the atmosphere and more generally to process any 4-20mA analogue, on-off control, or ModBus RTU-compatible signal.

The MX 32 enables you to combine digital lines and analogue channels, and therefore suits any facility. Up to eight detectors can be connected across its two lines, thus reducing cabling costs.

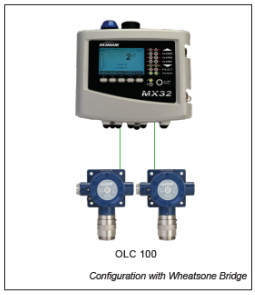


TECHNICAL DATA

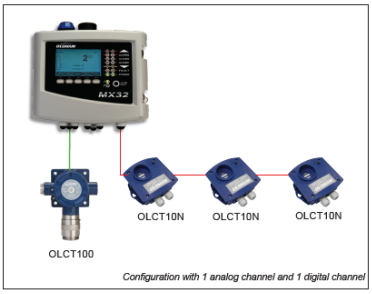
Size	10.4 x 10.5 x 3.8 in. (26.5 x 26.6 x 9.6 cm)
Protection Class	IP55
Cable entries (wall-mounted version)	5 M16 cable glands, 4-8 mm² (8-11 AWG) out. Øcable 2 M20 cable glands, 6-12 mm² (7-9 AWG) out. Øcable
Display	LCD back-lit display + smart keys Display in grayscale mode in case of fault Customizable by user (display 1 to 8 channels simultaneously, fixed or scrolling, on events...) Bar graph with alarm threshold
Visual indicators	7 LEDs per line for Detector status 1 common LED for Fault condition 1 common LED for Power condition
Buttons	5 smart keys 1 audible alarm accept/reset button
Datalogger	512 alarms, 512 defaults and 512 system defaults max.
Digital outputs	RS-485 Modbus RTU
Analog outputs	Up to 8 outputs (4-20mA)
Operating temperature	-4°F to +122°F (-20°C to +50°C)
Storage temperature	-4°F to +122°F (-20°C to +50°C)
Humidity	5 to 95% RH
Power supply	100-240Vac 50-60Hz (35W) or 22-28Vdc (92W)
Power Consumption	250mA max. (without module or detector)
Battery	in option

Approvals	
EMC	According to EN 50270:15
Low voltage directive	According to EN 61010-1:10
ATEX	Metrological performances according to EN 60079-29-1:2016 and EN 50271:10

EXEMPLES DE CONFIGURATION :



Configuration with Wheatsone Bridge



Configuration with 1 analog channel and 1 digital channel

Analog signal
Digital signal

FEATURES

INPUT SPECIFICATIONS

Available lines:
Maximum of 2 digital lines (up to 8 detectors)
RS-485, proprietary protocol, 9600 baud
Industrial network cable: 2 shielded twisted pairs
Maximum of 2 analogue channels
0-23mA signal input (4-20mA reserved for measurement)
120 Ohm load resistance, 2 or 3 shielded wires

Nominal voltage: 21 to 28V DC on external power supply

Current available on the channel: 1.5A per line with external DC power, 1A in total with internal AC power depending on ambient T°C

Insulation: 1,500 V between the power supply and the digital network

ALARMS

Relays: four fully configurable alarm relays and one fault relay (non-configurable) / Dry contacts RCT contact on each relay: 2A/250V AC - 30V DC (resistive charge)

Alarms per channel: five alarm levels (Al1, Al2, Al3, overscale, underscale) + high-concentration fault for explosive gases

Programming: for instantaneous or averaged values, by increasing or decreasing values, and manual or automatic rearming