



## MINERVA<sup>®</sup> MX

### MXC Conventional Fire Panel Range

#### Features:

- Approved to EN54
- 2, 4 and 8 zone variants
- Operates with Tyco M600 & Series 600 LPCB and M6 13 VdS approved detector ranges
- Tyco 2-Wire sounders on the first 4 detection zones
- Supports a plug-in Alarm Receiving Centre Communicator
- Programmable mapping of detection circuits to sounder circuits
- Capable of supporting repeater panels
- Compatible with the standard RedCARE STU

#### MXC Conventional Fire Panel Range

The New MINERVA<sup>®</sup> MXC Panel Range characterises the first in a fresh generation of highly featured low cost conventional fire panels. The exceptional 2, 4 and 8 zone panels offer a new panel design that specifically targets the high volume, small system segment of the fire detection market.

Focused design at conceptual stage has incorporated many features, aimed to reduce installation costs, simplify connection to central alarm monitoring stations and allow service upgrades of old installations. The MXC offers a robust self-contained control panel, providing all required monitoring, and control functions needed to install a complete fire detection alarm system.

## SPECIFICATIONS

### Operation overview

MINERVA® MXC provides reliable, independent, isolated control of the sounders and detectors on the same 2-wire circuit, and hence achieves significant cost and installation savings without compromising performance. Two, four or eight zone panels are available with up to four of the zones driving sounders.

### Panel functions

For normal operation, the MXC requires no configuration. Other typical options can be easily selected on links inside the controller. An optional advanced programming mode changes the function of the standard user interface to allow powerful bell mapping and sounder delay options.

- One man weekly test option
- One man zone and sounder walk test
- Zone Disable (Isolate) functions
- Cross zoning/coincidence on zones 1 & 2
- Optional reset on auxiliary 24V

### Installation Features

The MXC offers flexible mounting arrangements, with an easily removable door, multiple conduit entries and large terminations designed for ease of installation.

- Surface or semi-flush mount
- Reversible back-box for top or bottom conduit or cable entry
- Customisable zone text inserts
- Terminations that suit up to 2.5mm<sup>2</sup> CSA Cable

### Power Supply

- Designed to comply with EN54 Pt 4
- Up to 72hr plus 30 minutes alarm
- Space for 7Ah batteries internally
- 2A PSU/charger with 1.5A available for detectors, sounders (2x500mA) and auxiliary devices (24V 250mA).

### Detection Zones

The MXC can support up to 8 detection zones. Zones 1-4 support 2-wire sounders. Zones 5-8 are detection inputs, provided on a plug in expansion card. Zones 5-8 do not support 2-wire sounders. Detection zones support Conventional 600 Series Detectors, up to a total load of 3mA - typically 32 devices.



### Sounders

Zones 1-4 can each support up to 16 Tyco 2-wire sounders. Sounders can be wall-mounted or integrated within the detector base - 602SB or 602SB 2-Wire Line Powered Sounder Bases.

### Callpoints

Alert type callpoints and the CP2 11 Evacuate callpoint can be used on the detection zones but CP2 10 must not be used.

### Inputs and Outputs

The detection circuits support 2-stage alarms, Alert and Evacuate, which can be used for different sounder responses. Auxiliary inputs allow school class change to be configured to existing installations, signalling faults to be monitored and non-latching alarms from landlord systems to be implemented.

- Detection circuits monitored for detection removal
- Non-latching alarm input
- Non-latching fault input
- Signalling fire and fault outputs (with optional monitoring / supervision of the connection)

### Technical Information

508.030.102	UK 4-Zone EN54 Panel (non-line powered)
508.030.201	UK 2-Zone Line Powered Panel (2-wire on 2-zones)
508.030.202	UK 4-Zone Line Powered Panel (2-wire on 4-zones)
507.030.203	UK 8-Zone Line Powered Panel (2-wire on 4-zones) c/w MXC IOP expander
PS-1270	12V 7Ah Battery
509.030.001	MXC IOP input/output expander card
509.030.005	MXC-DIGI plug-in Scantronic Microcom communicator c/w mounting kit
573.013.300	24V RedCARE STU (requires box)
573.013.103	Fire Test Buzzer and Keyswitch (for RedCARE)