MxPro5 2 to 8 Loop Intelligent Fire Control Panel (MX-5802/03/04/05/06/07/08)

The MxPro 5 series is fully expandable from 2 to 8 loops and supplied with 8 onboard sounder circuits, 20 programmable Zonal LEDs with slide-in labels, and 25 System LEDs for information purposes. There are also 8 programmable function buttons with LED indication for confirmation of operation.

The control panel consists of the latest dual flash-based microprocessor technology combined with a high resolution, high contrast, graphical LCD display and tactile keypad providing a simple select and click programming aid for engineer configuration and end-user operation.

Powerful cause-and-effect programming and enhanced trace diagnostics make the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable onsite via the onboard alphanumeric keypad, or PC-NeT configuration software.

PC Software: An extensive suite of user-friendly Windows-based PC software programs has been developed to enhance your experience when using MxPro 5 Series of Fire panels. The suite incorporates a number of different programmes to include a configuration, service, logo and virtual panel tool to allow the flexibility of the equipment to be fully explored.

Network: Simply adding a network card allows the panel to communicate with any other MxPro 5 / MxPro 4 fire panel, remote terminal, or network peripheral, such as, 'ipGateway™' or BMS/Graphical Interface. The network operates as a true peer-to peer system and can be configured in a fault-tolerant loop or radial format.

KEY FEATURES

- Fully expandable from 2 - 8 loops via plug-in loop driver boards
- 20 programmable Zonal / 25 System LEDs with slide-in labels
- Dedicated loop driver for Apollo or Hochiki protocol support
- Advanced graphical LCD user interface and support for up to 200 fire zones by default allowing full EN54 compliance without additional hardware
- Dual flash-based microprocessor technology with real-time clock onboard
- Dedicated USB & RS232 serial port for direct PC or modem connection
- Installer friendly Auto-learn, Loop Detection and Onboard Scope facility for ease of commissioning and fault finding
- Fully programmable via the onboard alphanumeric keypad, or PC configuration tools
- The graphical display can be configured to operate with virtually any language or character set and allow the installer's logo to be applied using the Logo application software
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination
- 2 x 5 Amp power supply and charger to En54 part 4
- Integral P-Bus for system expansion via available option cards
- Ad-NeT peer-to-peer network with up to 2000 zones

TECHNICAL SPECIFICATION

Base Technology	Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets
Display	White backlit 240 x 64 graphical LCD
LED Indicators	22 red (1 x Fire, 1 x More Alarms, 20 x Zonal Programmable), 1 green (Power), 13 amber and 12 bi-colour (Fault & System)
Controls	Alpha numeric keypad permitting navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x programmable push buttons
Protocol	Apollo (Xp95 / Discovery), Hochiki ESP, Argus Vega and Nittan Evolution
Number of Fire Zones	2000 when networked (400 max across 8 loops)
Number of Loops	Dedicated 2-8 loop panel
Devices per Loop	Protocol dependent
Loop Current	500mA per loop
On-Board Sounder Circuits	8 x 1 Amp programmable
On-Board Relays	4 x 1 Amp 30v AC/DC programmable(10mA, 5v min) - expandable to 8 using MXP-507
Auxilliary Supply	2 x 24v 500mA
Programmable Input	2 x On-board Programmable Input
Programmable Key Switch Inputs	16 x volt free inputs
Total Available Output Current	2 x 5A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A Max
Charger Current	2 x 2.0A temperature compensated
Serial Port	2 x on-board RS232 connection for PC, modem, IP, or portable printer
USB Interface	2 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	2 x 5000 event & diagnostic + 500 fire
Printer (optional)	On-board
Enclosure/Colour	Steel IP30 / RAL7035
Cable Entry (20mm knockouts)	30 x top, 6 x rear, 3 x bottom plus 2 x double knockout rear
Size H x W x D mm	750 x 450 x 190
Metalwork Options	Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount