MxPro 5

1-2 Loop Fire Alarm Control Panel

The MxPro 5 series control panels are fully expandable from 1 - 2 loops and supplied with 2 on-board sounder circuits, 20 programmable zonal LEDs with slide-in labels, and 25 system LEDs for information purposes. There are also 4 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 makes the panel suitable for a wide range of site applications from small to large complex multi-area systems. Fully programmable onsite via the on-board 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-topeer system and can be configured in a fault-tolerant loop or radial format.



Features

- Apollo, Argus Vega, Hochiki & Nittan Evolution 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 on-board.
- Dedicated USB & RS232 serial port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and On-board Scope facilities for ease of commissioning and fault finding.
- Graphical display configurable for virtually any language
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- Fully programmable via the on-board alphanumeric keypad, or PC configuration tools.
- Integral 'P-Bus' for system expansion via available option cards
- Ad-NeT peer-to-peer network with up to 2000 zones
- Approved to BS EN54 part 2, 4 and 13

Key Features

1 - 2 Loop Panel	Multiple Languages	Global Compliance	3 Year Warranty
Programmable Push Buttons	Fully expandable	Fully Networkable	20 Zonal / 25 System LED's
Slide-in labels	Rack-mount options		

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 Protocols	Alpha numeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x programmable push buttons
Protocols	Apollo (Xp95 / Discovery), Argus Vega, Hochiki ESP
Number of Fire Zones	2000 (200 per individual panel)
Number of Loops	Dedicated 1-2 loop control panel
Devices per loop	Protocol dependent
Loop Current	500mA per loop
On-Board Sounder Circuits	2 x 1 Amp programmable
On-Board Relays	2 x 1 Amp 30v AC/DC programmable (10mA, 5v min) - expandable to 4 using Mxp-507
Auxiliary Supply	1 x 24v 500mA
Programmable Input	1 x monitored programmable input on-board
Programmable Key Switch Inputs	8 volt free inputs
Total Available Output Current	5A maximum available for loop current + sounder outputs + auxiliary supply
Mains Supply	200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.4A max
Battery Capacity	24V 4Ah internal (min), 24V, 12Ah internal (max), large enc. (L) - 24v, 18Ah internal (max), deep enc. (D) - 24v, 45Ah internal (max)
Charger Current	2A temperature compensated
Serial ports	1 x On-board RS232 connection for PC, modem, IP, or portable printer
USB Interface	1 x USB B type connection for PC communication
Programming	On-board keypad or PC running Windows tools
Event Log	5000 event & diagnostic + 500 fire
Networking	Optional plug in Network Card (Mxp-503 - Standard, or Mxp-509 - Fault-Tolerant)
Printer (Optional)	On-board (M, L, D enc. only)
Enclosure / Colour	Steel IP30 / RAL7035
Cable Entry (20mm knockouts)	17 x top, 11 x rear & 2 x bottom, large enc. (L) - 19 x top, 11 x rear, 2 x bottom, deep enc. (D) - 30 x top, 11 x rear, 3 x bottom
Size H x W x D mm	340 x 430 x 115, large enc. (L) - 470 x 450 x 115, deep enc. (D) - 470 x 450 x 190
Metalwork Options	Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount
Approvals	EN 54-2:1998, EN 54-4:1998 & EN 54-13:2005

Order Codes and Options

Mx-520x :	Multi Loop Panel in Standard Sized Enclosure	Add suffix V:	Argus Vega Protocol
Mx-520xL:	Multi Loop Panel in Large Enclosure	Add suffix N:	Nittan Evolution Protocol
Mx-520xD:	Multi Loop Panel in Large Deep Enclosure		
Mx-520xR:	Multi Loop Panel in 19		