

# MxPro<sup>5</sup>

## 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-to-peer 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

Mx-520xL: Multi Loop Panel in Large Enclosure

Mx-520xD: Multi Loop Panel in Large Deep Enclosure

Mx-520xR: Multi Loop Panel in 19

Add suffix V: Argus Vega Protocol

Add suffix N: Nittan Evolution Protocol