

# MxPro<sup>5</sup>

## Single Loop Fire Alarm Control Panel

The MxPro 5 series control panels are supplied with a single loop driver card, 2 onboard 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 & click' programming aid for engineer configuration and end user operation.

Powerful cause-and-effect programming coupled with dynamic zoning, 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 on-site via the on-board alphanumeric keypad, or PC-NeT Configuration Software.

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

Simply adding a network card allows the panel to communicate with any other MxPro 5 fire panel, remote terminal, or network peripheral, such as ipGateway™, BMS or graphical interface. The network operates as a true peer-to-peer system and can be configured in a faulttolerant loop or radial format.



### Features

- 20 programmable zonal / 25 System LEDs.
- 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.
- Dedicated USB & RS232 Serial Port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and On-board Scope facility.

- Graphical display configurable for virtually any language.
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- 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

|                           |                           |                     |                              |
|---------------------------|---------------------------|---------------------|------------------------------|
| Single Loop Control Panel | Programmable Push Buttons | Rack-mount options  | Multiple Languages           |
| Global Compliance         | Fully Networkable         | Dual microprocessor | real-time clock              |
| 3 Year Warranty           | Slide-in labels           | Fully programmable  | Installer's logo application |

## 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), Argus Vega, Hochiki ESP & Nittan Evolution   |
| Number of Fire Zones           | 2000 (200 per individual panel)   |
| Number of Loops                | 1   |
| Devices per Loop               | Protocol dependent  |
| Loop Current                   | 500mA   |
| On-Board Sounder Circuits      | 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 | 1 x volt free input (standard enc.), 8 x inputs (M, L, D enc.)  |
| Total Available Output Current | 3A maximum available for loop current + sounder outputs + auxiliary supply  |
| Mains Supply                   | 200 - 240v 47-63 Hz AC (+10%, -15% tolerance) 1.0A Max  |
| Battery Capacity               | 24v 4 Ah internal (min), 24v, 7 Ah internal (max), medium enc. (M) - 24v, 12Ah internal (max), large enc. (L) - 24v, 18Ah internal (max), deep enc. (D) - 24v, 45Ah |
| Charger Current                | 1A temperature compensated  |
| Serial Port                    | 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 enclosures only)  |
| Enclosure / Colour             | Steel IP30 / RAL7035  |
| Cable Entry (20mm knockouts)   | 13 x top & 8 x rear, medium enc. (M) - 17 x top & 11 x rear, large enc. (L) - 19 x top & 11 x rear, deep enc. (D) - 30 x Top, 11 rear & 3 bottom                    |
| Size H x W x D mm              | 340 x 340 x 85, medium enc. (M) - 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-5101:  | Single Loop Panel in Standard Enclosure     | Add /V:                 | for Argus Vega Protocol  |
| Mx-5101M: | Single Loop Panel in Medium Sized Enclosure | Add /N:                 | for Nittan Evolution Protocol. Nittan available in Medium and large enclosures only. |
| Mx-5101L: | Single Loop Panel in Large Enclosure        | Standard Rack Mounting: | Options available.   |
| Mx-5101D: | Single Loop Panel in Large Deep Enclosure   |                         |  |