

# MxPro<sup>5</sup>

## 1-4 Loop Fire Alarm Control Panel

The MxPro 5 series is fully expandable from 1 to 4 loops and supplied with 4 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 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 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 peripherals, 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.



- 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 Onboard Scope facility for ease of commissioning and fault finding.
- 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.
- 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.

### Approvals



- EN 54-2:1997 +A1:2006
- EN 54-4:1997 +A1:2002 +A2:2006
- EN 54-13:2005

Certified to EN54 Parts 2 & 4 by FM Approvals

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## Specification

|                                |                                                                                                                          |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------|
| Base Technology                | Dual flash-based processors with real-time clock, trace diagnostics, programmable languages and character sets           |
| Display                        | White backlit 240 x 64 (9.5 inches x 2.5 inches) graphical LCD - 6 lines of 40 characters                                |
| 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   |
| Protocols                      | Apollo (Xp95 / Discovery), Argus Vega, Hochiki ESP                                                                       |
| Number of Fire Zones           | 2000 (200 per individual panel)                                                                                          |
| Number of Loops                | Dedicated 1-4 loop control panel                                                                                         |
| Devices per loop               | Protocol dependent                                                                                                       |
| Loop Current                   | 500mA per loop                                                                                                           |
| On-Board Sounder Circuits      | 4 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                                                                   |
| 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)                                          |
| Enclosure / Colour             | Steel IP30 / RAL7035                                                                                                     |
| Metalwork Options              | Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount                                     |

## Dimensions and Capacity

|          | Dimensions      | Cable Entry                                         | Battery Capacity (internal) |           |
|----------|-----------------|-----------------------------------------------------|-----------------------------|-----------|
|          | H x W x D mm    | (20mm knockouts)                                    | Min                         | Max       |
| Standard | 475 x 450 x 120 | 19x top, 11x top rear, 2x bottom                    | 24v 4Ah                     | 24v, 18Ah |
| Deep     | 475 x 450 x 190 | 30x top, 11x top rear, 3x bottom                    | 24v 4Ah                     | 24v, 45Ah |
| Extended | 750 x 450 x 190 | 30x top, 6x top rear, 3x bottom plus 2x double rear | 24v 4Ah                     | 24v, 45Ah |

Order Codes and Options

| Enclosure/Protocol | Xp95/ Discovery /Hochiki ESP | Argus Vega | Nittan Evolution |
|--------------------|------------------------------|------------|------------------|
| Standard           | MX-540#                      | MX-540#V   | MX-540#N         |
| Deep               | MX-540#D                     | MX-540#VD  | MX-540#ND        |
| Extended           | MX-540#E                     | MX-540#VE  | MX-540#NE        |
| 19" Rack Mount     | MX-540#R                     | MX-540#VR  | MX-540#NR        |

Replace # with the number of loops required (1-4)

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