

MxPro⁵

1-4 Loop Fire Alarm Control Panel

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

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 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.

Key Features

| | | | |
|---------------------------|--------------------|--------------------------|---------------------------|
| Dedicated 1 - 4 Loop | Fully expandable | Global Compliance | 3 Year Warranty |
| Programmable Push Buttons | Multiple Languages | Fully Networkable | 20 Zonal / 25 System LEDs |
| Slide-in Labels | Rack-mount options | Robust equipment chassis | Fully programmable |

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| 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 |
| Protocols | Apollo (Xp95 / Discovery), Argus Vega, Hochiki ESP |
| Number of Fire Zones Number of Loops Devices per loop Loop Current On-Board Sounder Circuits | 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 |
| Battery Capacity | 24V 4Ah internal (min), 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) | 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 | 475 x 450 x 120, 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 |