

## 1-2 Loop Fire Alarm Control Panel

The MxPro 5 series control panels are fully expandable from 1 - 2 loops and supplied with 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 and click programming aid for engineer configuration and end user operation.

Compatible with AdvancedLive (UK&I only), which is the fire panel monitoring solution that enables secure, easy, real-time management of your fire system.

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-022 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 and logo tool to allow greater flexibility of the equipment to be fully explored.

**Network:** Simply adding a network card allows the panel to communicate with any other MxPro 5 fire panel, remote terminal, or network peripheral, BMS or 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

- Connectivity to AdvancedLive (UK&I only) , Ethernet connection on-board
- 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 onboard.
- Dedicated USB & RS232 serial port for direct PC or modem connection.
- Installer friendly Auto-learn, Loop Detection and Onboard 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 onboard alphanumeric keypad, or PC configuration tools.
- Integral 'P-Bus' for system expansion via available option cards
- Advanced networking, peer-to-peer system, with up to 2000 zones
- Programmable push buttons
- Rack-mount options
- Global compliance
- 3-year warranty
- Fully programmable
- Installer's logo application

### Approvals



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

Certified to EN54 Parts 2 & 4 by FM Approvals

## 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 Protocols             | Alpha numeric keypad permitting Navigation, Reset, Mute, Silence, Resound, Evacuate, and 4 x programmable push buttons   |
| Protocols                      | Apollo (Soteria / 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 50-60 Hz AC (+10%, -15% tolerance) 1.4A max                                                                   |
| Charger Current                | 2A temperature compensated                                                                                               |
| Ethernet                       | 10-Base-T, 100-Base-T: Providing AdvancedLive connectivity (UK&I only)                                                   |
| 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   | 345 x 430 x 120 | 13 x top, 8 x rear           | 24v 4Ah                     | 24v, 12Ah |
| Large      | 475 x 450 x 120 | 19x top, 11x rear, 2x bottom | 24v 4Ah                     | 24v, 18Ah |
| Large-Deep | 475 x 450 x 190 | 30x top, 11x rear, 3x bottom | 24v 4Ah                     | 24v, 45Ah |

Order Codes and Options

| Enclosure/Protocol | Apollo (XP95/Discovery) / Hochiki ESP | Apollo Soteria * | Argus Vega | Nittan Evolution |
|--------------------|---------------------------------------|------------------|------------|------------------|
| Standard           | MX-520 #                              | MX-520 # A       | MX-520#V   | MX-520#N         |
| Large              | MX-520#L                              | MX-520 # AL      | MX-520#VL  | MX-520#NL        |
| Large-Deep         | MX-520#D                              | MX-520 # AD      | MX-520#VD  | MX-520#ND        |
| 19" Rack Mount     | MX-520#R                              | MX-520 # AR      | MX-520#VR  | MX-520#NR        |

Replace # with the number of loops required

\*MXP-568 is required

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