

# MxPro<sup>5</sup>

## 1 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.

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

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 sites to large complex multi-area systems. Fully programmable on-site via the onboard alphanumeric keypad, or via our PC-NET-022 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 and logo tools to allow greater 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, 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
- 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
- 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
- Advanced Networking, peer-to-peer system, with up to 2000 zones
- Programmable push buttons
- Multiple languages
- 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 (5.5 inches x 2.5 inches)                                                           |
| 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 (Soteria / XP95 / Discovery), Argus Vega, Hochiki ESP & Nittan Evolution                                          |
| Number of Fire Zones           | 200 per individual panel - 2000 when networked                                                                           |
| Number of Loops                | 1                                                                                                                        |
| Devices per Loop               | Protocol dependent                                                                                                       |
| Loop Current                   | 500mA                                                                                                                    |
| 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 | 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 50-60 Hz AC (+10%, -15% tolerance) 1.0A Max                                                                   |
| Charger Current                | 1A temperature compensated                                                                                               |
| Ethernet port                  | 10-Base-T, 100-Base-T - providing AdvancedLive connectivity (UK&I only)                                                  |
| 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                                                                                                     |
| Temperature                    | -5°C to 40°C                                                                                                             |
| Humidity (RH)                  | 95% Max                                                                                                                  |
| Metalwork Options              | Flushing bezel, battery box, utility enclosure and termination enclosure                                                 |

## Dimensions and Capacity

|                   | Dimensions      | Cable Entry                      | Battery Capacity (internal) |           |
|-------------------|-----------------|----------------------------------|-----------------------------|-----------|
|                   | H x W x D mm    | (20mm knockouts)                 | Min                         | Max       |
| <b>Standard</b>   | 345 x 345 x 85  | 13 x top, 8 x rear               | 24v, 4Ah                    | 24v, 7Ah  |
| <b>Medium</b>     | 345 x 430 x 120 | 17 x top, 11 x rear              | 24v, 4Ah                    | 24v, 12Ah |
| <b>Large</b>      | 475 x 450 x 120 | 19 x top, 11 x rear & 2 x bottom | 24v, 4Ah                    | 24v, 18Ah |
| <b>Large-Deep</b> | 475 x 450 x 190 | 30 x top, 11 x rear & 3 x bottom | 24v, 4Ah                    | 24v, 45Ah |

Order Codes and Options

| Enclosure/Protocol | Apollo (XP95/Discovery) and Hochiki ESP | Apollo Soteria * | Argus Vega | Nittan Evolution |
|--------------------|-----------------------------------------|------------------|------------|------------------|
| Standard           | MX-5101                                 | MX-5101A         | MX-5101V   | MX-5101N         |
| Medium             | MX-5101M                                | MX-5101AM        | MX-5101VM  | MX-5101NM        |
| Large              | MX-5101L                                | MX-5101AL        | MX-5101VL  | MX-5101NL        |
| Large-Deep         | MX-5101D                                | MX-5101AD        | MX-5101VD  | MX-5101ND        |

\*MXP-568 is required

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Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK **T:** +44 (0)345 894 7000, **E:** [enquiries@advancedco.com](mailto:enquiries@advancedco.com),  
**W:** [www.advancedco.com](http://www.advancedco.com)

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