

2-8 Loop Fire Alarm Control Panel

The MxPro 5 series is fully expandable from 2 to 8 loops and supplied with 8 onboard sounder circuits, 20 programmable Zonal LEDs with slide-in labels, and 25 System LEDs for information purposes. There are also 8 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 onsite via the onboard 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 to include a configuration, service, logo and virtual panel tool 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 / 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.



Features

- Fully expandable from 2 - 8 loops via plug-in loop driver boards.
- 20 programmable Zonal / 25 System LEDs with slide-in labels.
- Dedicated loop driver for Apollo or Hochiki 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 facility for ease of commissioning and fault finding.
- Fully programmable via the onboard alphanumeric keypad, or PC configuration tools.
- 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.
- Robust removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- 2 x 5 Amp power supply and charger to En54 part 4.
- Integral P-Bus for system expansion via available option cards.
- Ad-NeT peer-to-peer network with up to 2000 zones.

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

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 7 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), Hochiki ESP, Argus Vega and Nittan Evolution |
| Number of Fire Zones | 2000 when networked (400 max across 8 loops) |
| Number of loops | Dedicated 2-8 loop control panel |
| Devices per loop | Protocol dependent |
| Loop Current | 500mA max per loop |
| On-Board Sounder Circuits | 8 x 1 Amp programmable |
| On-Board Relays | 4 x 1 Amp 30v AC/DC programmable (10mA, 5v min) - expandable to 8 using 2 x Mxp-507 |
| Auxiliary Supply | 2 x 24v 500mA |
| Programmable Input | 2 x On-board Programmable Input |
| Programmable Key Switch Inputs | 16 volt free digital inputs |
| Total Available Output Current | 2 x 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 | 2 x 24V 4Ah internal (min), 2 x 24V, 18Ah internal (max), or 1 x 24V 45Ah internal (max) and 1 x 24V 45Ah external (max) using optional battery enclosure |
| Charger Current | 2 x 2.0A temperature compensated |
| Serial ports | 2 x on-board RS232 connection for PC, modem, IP or portable printer |
| USB Interface | 2 x USB B type connection for PC communication |
| Programming | On-board keypad or PC running Windows tools |
| Event Log | 2 x 5000 Event & Diagnostic + 500 Fire |
| Printer (Optional) | On-board |
| Enclosure / Colour | Steel IP30 / RAL7035 |
| Cable Entry (20mm knockouts) | 30 x top, 6 x rear, 3 x bottom plus 2 x double knockout rear |
| Size H x W x D mm | 750 x 450 x 190 |
| Metalwork Options | Flushing bezel, battery box, utility enclosure, termination enclosure and rack mount |

Order Codes and Options

| Network/Protocol | Xp95/ Discovery /Hochiki ESP | Argus Vega | Nittan Evolution |
|------------------|------------------------------|-------------|------------------|
| Standard | MX-580# | MX-580#V | MX-580#N |
| Fault-Tolerant | MX-580#/FT | MX-580#V/FT | MX-580#N/FT |

Replace # with the number of loops required (2-8)

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