MxPro 5

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

- EN54-2:1997 +AC:1999 +A1:2006
- EN54-4:1997 +AC:1999 +A1:2002 +A2:2006
- EN 50130-4: 2011+A1:2014
- EN 55032:2015
- EN 62368-1:2014+A11:2017
- EN 62368□ 1:2020+A11:2020
- EN IEC 63000:2018
- EN 54-13:2017 (Pending)

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
Standard	345 x 345 x 85	13 x top, 8 x rear	24v, 4Ah	24v, 7Ah
Medium	345 x 430 x 120	17 x top, 11 x rear	24v, 4Ah	24v, 12Ah
Large	475 x 450 x 120	19 x top, 11 x rear & 2 x bottom	24v, 4Ah	24v, 18Ah
Large-Deep	475 x 450 x 190	30 x top, 11 x rear & 3 x bottom	24v, 4Ah	24v, 18Ah

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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