MxPro 5

1-4 Loop Fire Alarm Control Panel

TheMxPro 5 series is fully expandable from 1 to 4 loops and supplied with 4 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 an Advanced 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 usingMxPro 5 series fire panels. The suite incorporates a number of different programmes to include a configuration, service and logo panel 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 otherMxPro 5/MxPro 4fire panel, remote terminal, or network peripherals, 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.

- 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 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.
- 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

- 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
Protocols	Apollo (Soteria / Xp95 / Discovery), Argus Vega, Hochiki ESP & Nittan Evolution
Number of Fire Zones	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
Charger Current	2A temperature compensated
Ethernet Port	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
Temperature	-5°C to 40°C
Humidity (RH)	95% Max
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	475 x 450 x 120	19 x top, 11 x top rear, 2 x bottom	24v, 4Ah	24v, 18Ah
Large-Deep	475 x 450 x 190	30 x top, 11 x top rear, 3 x bottom	24v, 4Ah	24v, 45Ah
Extended	750 x 450 x 190	30 x top, 6 x top rear, 2 x bottom rear & 3 x bottom	24v, 4Ah	24v, 45Ah*

*1 x 24V 45Ah internal (max) and 1 x 24V 45Ah external (max) using optional battery enclosure

Order Codes and Options

Enclosure/Protocol	Apollo (XP95/Discovery) / Hochiki ESP	Apollo Soteria *	Argus Vega	Nittan Evolution
Standard	MX-5401	MX-5401A	MX-5401V	MX-5401N
Deep	MX-5401D	MX-5401AD	MX-5401VD	MX-5401ND
Extended	MX-5401E	MX-5401AE	MX-5401VE	MX-5401NE
19" Rack Mount	MX-5401R	MX-5401AR	MX-5401VR	MX-5401NR

* MXP-568 is required

Note: 1 loop card comes as standard. If more loops are required, please order 1 loop driver card per extra loop.

Part Code	Description
MXP-568	Loop driver card - Apollo, Hochiki, Argus Vega
MXP-567	Loop driver card - Nittan

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