MxPro⁴

1-4 Loop Fire Alarm Control Panel

The MxPro 4 series is fully expandable from 1 to 4 loops complete with 4 on-board sounder circuits. The control panel consists of a simple to use LCD menu driven graphical interface, dual, flash-based microprocessor technology driven by a 5 Amp power supply and charger approved to EN54 parts 2 & 4.

Dedicated system navigation keys makes learning this control panel user friendly as well as installer friendly due to the uncomplicated, trouble free, commissioning and fault finding.

Powerful Cause and Effect programming coupled with dynamic zoning makes the panel suitable for a wide range of site applications, from small to large complex multi area systems. Fully on site programmable via on board alphanumeric keypad or PC -NeT configuration tools.

An extensive suite of PC based, software programs have been developed to supplement the MxPro 4 series Fire panels.

Features

Fully expandable from 1 to 4 loops via common plug in loop driver boards.

Advanced graphical LCD user interface with up to 1000 fire zones as standard, allowing full EN54 compliance without additional hardware or LED indication.

5 Amp power supply and charger to EN54 part 4.

Dedicated RS232 serial port for direct PC or modem connection.

Graphical display configurable for virtually any language

When connected to the fault tolerant Ad-NeT network, the panel operates as a true peer-to-peer interface (with up to 1000 shared zones) with full cross panel reporting, control functionality.

Installer friendly Auto-learn and Loop Detection facility for troublefree, commissioning. Fully on-site programmable via on-board alphanumeric keypad or PC configuration tools.

Advanced

Key Features

Fully Expandable to 4 Loops	Fully Networkable	Optional on-board printer	Optional remote printer
EN54 Parts 2 & 4 Approved	Apollo & Hochik protocol	Argus & Nittan protocol	Multiple Languages
Dual microprocessor	Real Time Clock	Global Compliance	3 Year warranty
Plug-in connectors	Flash memory	Robust equipment chassis	

Specification

Base Technology	Dual Flash based Processors with Real Time Clock, 'Trace' diagnostics, 'Pulse' communications & programmable languages
Display	Backlit 240 x 64 Graphical LCD
LED Indicators	3 red (2 x Fire, 1 x Alarm), 1 green (Power) & 12 amber (Fault & System)
Controls	Alpha numeric keypad, navigation keys & system keys for reset, Mute, Silence/Resound & Evacuate
Protocols	Apollo (S90,XP95, Xplorer and Discovery), Hochiki ESP, Nittan Evo & Argus Vega
Number of Fire Zones	1000 (200 per individual panel)
Number of loops	1-4. Expandable via individual plug-in loop driver
Devices per loop	As per detector manufacturer's specifications
Loop Current	500mA
On Board Sounder circuits	4 x 1 Amp programmable
On Board Relays	2 x 1 Amp 30v AC/DC Programmable
Auxiliary Supply	1 x 24v 500mA
Open Collector / Logic Outputs	8 x programmable (via optional 8-way relay card)
Programmable Switch Inputs	8 volt free digital inputs
On Board Power Supply	4 Amp high efficiency switched mode
Mains Supply	230 V Ac (+10%, -15% tolerance) 50 /60 Hz 1.9 Amp
Battery Capacity	24v 18 Ah internal. 24v 48 Ah external
Charger Current	2.0 Amp DDP monitored, temperature compensated integral charger
Serial ports	1 RS232 onboard for PC, modem or external printer
Programming	Via on-board keypad or PC running Windows Tools
Event Log	1000 Fire & Event + Diagnostic
Networking	Optional plug in network card
Printer (Optional)	Optional on-board or external serial printer
Enclosure / Colour	Steel IP30 / beige (textured)
Cable Entry	20mm Knock-outs. 18 x top, 9 x top rear and 2 x bottom
Size H x W x D mm / Weight	Act475 x 450 x 115 / 10Kg, 475 x 450 x 188 / 10.5Kg (/D deeper enclosure). Back box only (when recessing) 475 x 450 x 100. Deeper back box only (when recessing) 475 x 450 x 173ual 24
Metalwork Options	Flushing bezel, ancillary enclosure & battery box
Approvals	BS EN54-2 & 4:1998

Order Codes and Options

Mx-4400*:	0 to 4 Loop Analogue Addressable - No loop cards
Mx-4401*:	Mx-4400 c/w 1 Loop Card Fitted & Tested
Mx-4402*:	Mx-4400 c/w 2 Loop Cards Fitted & Tested
Mx-4403*:	Mx-4400 c/w 3 Loop Cards Fitted & Tested
Mx-4404*:	Mx-4400 c/w 4 Loop Cards Fitted & Tested
Mx-4400*/D:	0 - 4 loop analogue addressable with Deeper Enclosure for 2 x 38AHr Batteries - No loop cards
Mx-4401*/D:	Mx-4400 with Deeper Enclosure for 2 x 38AHr Batteries - 1 loop card fitted and tested
Mx-4402*/D:	Mx-4400 with Deeper Enclosure for 2 x 38AHr Batteries - Two loop cards fitted and tested
Mx-4403*/D:	Mx-4400 with Deeper Enclosure for 2 x 38AHr Batteries - Three loop cards fitted and tested
Mx-4404*/D:	Mx-4400 with Deeper Enclosure for 2 x 38AHr Batteries - Four loop cards fitted and tested
Mx-4400*/R:	Mx-4400 chassis c/w 19 inch rack mounting bezel - no loop cards
Mx-4400*/LE:	Mx-4400 in large deep enclosure (950mm high) - no loop cards
* Add /N:	for Nittan Evolution Protocol
* Add /V:	for Argus Vega Protocol