MxPro 4

Single Loop Fire Alarm Control Panel - obsolete

TheMxPro 4 comes fitted complete with an internal loop driver card (Apollo/Hochiki only) and 2 onboard sounder circuits. The control panel consists of a simple to use LCD menu driven graphical interface, dual, flash-based microprocessor technology driven by an onboard 24V DC, 2 Amp high efficiency switched mode power supply and charger approved to EN54 parts 2 & 4.

Dedicated system navigation keys make 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 theMxPro 4 series fire panels.



Features

- Full support of Apollo (Discovery & XP95) and Hochiki ESP protocols.
- Advanced graphical LCD user interface with up to 250 fire zones as standard, allowing full EN54 compliance without additional hardware or LED indication.
- Dedicated RS232 serial port for direct PC or modem connection.
- Installer friendly auto-learn and loop detection facility for uncomplicated, trouble-free, commissioning and fault finding.
- Fully on-site programmable via onboard alphanumeric keypad or PC configuration tools.
- Flash memory and the advanced graphical display enables the panels to be configured to operate in virtually any language with any character set and allows the installer's logo and company details to be applied to the LCD display.
- Robust, removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- When connected to the fault tolerant Ad-NeT network, the panel operates as a true peer-to-peer interface with full cross-panel reporting, control and cause-and-effect functionality

Specification

Base technology	Dual-flash based processors with real time clock, trace diagnostics, pulse communications & programmable languages
Display	Backlit 240x64 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 Evolution & Argus Vega
Number of fire zones	250 (100 per individual panel)

Number of loops	1
Devices per loop	As per detector manufacturer's specifications
Loop current	500mA
On board sounder circuits	2 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	2 x programmable
Programmable switch inputs	8 volt free digital inputs
Total available output current	2 Amps maximum available for loop current + sounder outputs + auxiliary supply
Mains supply	230 V 50 Hz AC (+10%, -15% tolerance) 0.4 Amp
Battery capacity	24v 7 Ah internal. 24v 12 Ah external
Charger current	0.4 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 external serial printer
Enclosure / colour	Steel IP30 / Light grey RAL7035
Cable entry	20mm knock-outs. 7 x top, 7 x top rear
Size H x W x D mm / weight	Mx-4100: 320 x 345 x 85 / 6 Kg
Metalwork options	Flushing bezel, battery box
Approvals	BS EN54-2:1998, BS EN 54-4:1998

Order Codes and Options

Mx-4100:	Single loop analogue addressable
Mxp-024(F):	20 zone LED card for Mx-4100
Mxp-003(F)*:	Standard network card
Mxp-009(F)*:	Fault Tolerant network card
Mxm-001:	Semi-flushing bezel for Mx-4100
(F)*:	Add - Fitted

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MxPro 4

1-2 Loop Fire Alarm Control Panel - obsolete

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

Dedicated system navigation keys make this control panel user and 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 onboard alphanumeric keypad or PC-NeT Configuration tools.

An extensive suite of PC based, software programs have been developed to supplement theMxPro 4 series fire panels.



Features

- Fully expandable from 1 to 2 loops via common plug in loop driver boards.
- Full support of Apollo (Discovery & XP95) and Hochiki ESP protocols.
- Advanced graphical LCD user interfaces with up to 1000 fire zones as standard, allowing full EN54 compliance without additional hardware or LED indication.
- 4 Amp power supply and charger to EN54 part 4.
- Dedicated RS232 serial port for direct PC or modem connection.
- Dual, flash based, microprocessor technology with onboard Real Time Clock. Optional onboard or remote printer.
- Installer friendly Auto-learn and Loop Detection facility for troublefree, commissioning. Fully on-site programmable via on-board alphanumeric keypad or PC configuration tools.
- Flash memory and the advanced graphical display enables the panels to be configured to operate in virtually any language with any character set and allows the installer's logo and company details to be applied to the LCD display.
- Robust, removable equipment chassis with plug-in connectors for simple fixing and cable termination.
- 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.

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 Evolution & Argus Vega
Number of Fire Zones	1000 (200 per individual panel)
Number of loops	1-2. Expandable via individual plug-in loop driver
Devices per loop	As per detector manufacturer's specifications
Loop Current	500mA
On Board Sounder circuits	2 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
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.
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 external serial printer
Enclosure / Colour	Steel IP30 / Light grey RAL7035
Cable Entry	20mm knock-outs. 18 x top, 9 x top rear and 2 x bottom
Size H x W x D mm / Weight	Actual (without door) 475 x 450 x 115 / 10Kg (depth with door is 125)
Metalwork Options	flushing bezel, ancillary enclosure & battery box

Order Codes and Options

Mx-4200:	0 to 2 Loop Analogue Addressable - No loop cards)
Mx-4201:	Mx-4200 c/w 1 Loop Cards Fitted & Tested
Mx-4202:	Mx-4200 c/w 2 Loop Cards Fitted & Tested

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1-4 Loop Fire Alarm Control Panel - obsolete

TheMxPro 4 series is fully expandable from 1 to 4 loops complete with 4 onboard 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 make 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 make 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 theMxPro 4 series Fire panels.



Features

- Fully expandable from 1 to 4 loops via common plug in loop driver boards.
- Advanced graphical LCD user interfaces 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.

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 (XP95 and Discovery), Hochiki ESP

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
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 external serial printer
Enclosure / Colour	Steel IP30 / Light grey RAL7035
Cable Entry	20mm Knock-outs. 18 x top, 9 x top rear and 2 x bottom
Size H x W x D mm / Weight	Actual (without door) 475 x 450 x 115 / 10Kg (depth with door is 125)
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

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MxPro 4

Remote Terminal Fire Alarm Control Panel - obsolete

Based around two core products, the MxPro 4 Remote Display Terminal (RDT) and the fully functionalMxPro 4 Remote Control Terminal (RCT), both utilise the same graphical LCD user interface that can be found on theMxPro 4 series fire panels and are based upon the same advanced, flash based, microprocessor technology.

AllMxPro 4 series panels and remote terminals can communicate over the same 2-core network cable.

Integral network interface incorporating a special screen termination to prevent mains frequency earth-loop currents flowing between network nodes.

The 'Ad-NeT' network operates as a true peer-to-peer system with full cross panel reporting, control and cause and effect functionality of up to 1000 zones.



Features

- The display information is fully programmable by individual zone or sector and can display any combination of fires, faults, pre-alarms or plant alarms. E.g. can display all information in its own sector, but can only show fire signals from other sectors of a building.
- Both remote terminals incorporate buzzer mute, view, enable/disable and test facilities with a dedicated system and navigation keys for simple user control.
- Fully on-site programmable via onboard alphanumeric keypad or PC configuration tools.
- The RCT has additional sector based control keys for Evacuate, Silence, Resound and Reset, which allows other networked panels to selectively respond to controls as programmed. E.g. on a site with multiple buildings, a user may be allowed to silence and reset fires originating in their own building. Fires originating from other buildings are displayed but cannot be reset.
- By using flash memory and an advanced graphical display the remote terminals can be easily configured to operate in virtually any language, with any character set and allows for the installer's logo and company details to be displayed on the LCD display during normal operation.

Specification

Display	Backlit 240x64 graphical LCD
LED Indicators	3 red (2 x Fire, 1 x Alarm), 1green (Power) & 12 amber (Fault & System)
Keypad	Alpha numeric keypad, navigation keys & on-board buzzer mute facility
Controls (Mx-4020 RCT only)	System keys for Reset, Silence, Resound & Evacuate
Key-Switch Input	Optional Level 2 access enable key switch
Power Supply Input	24 VDC, 150mA (/FT: 188mA) Operating range 15-30V

External Supply Monitoring	Monitored external fault input
Number of Fire Zones	2000
USB/Serial Ports	1 x USB & 1x RS232 onboard for PC, modem or external printer
Programming	Via on-board keypad or PC running Windows
Enclosure	Steel IP30
Cable Entry	20mm knock-outs. 4 x top and 4 x rear
Colour	Steel IP30 / Light grey RAL7035
Size H x W x D mm	Enclosure: 218 x 300 x 44. Back box only (when recessing) 218 x 300 x 30

Order Codes and Options

Mx-4010:	(RDT) Remote Display Terminal
MX-4020:	(RCT) Remote Control Terminal
Mx-4010/FT:	(RDT) with Fault Tolerant Network I/F
Mx-4020/FT:	(RCT) with Fault Tolerant Network I/F

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MxPro 4

Loop Driver Card - obsolete

The Advanced Loop Driver Card is designed for use with the MxPro 4 range of analogue addressable panels. It provides control and connection to detector loops.

The Loop Driver Card supports Apollo and Hochiki (Mxp-002) protocols.

Features

- Use with MxPro 4 analogue addressable panels
- Compatible with Apollo and Hochiki

Specification

Dimensions (W x L)	101.6 x 65.4 mm
Operating Voltage	18 - 32 V
Max current per loop - quiescent	400 mA
Max current per loop - in alarm	500 mA
Protocols	Apollo Discovery, XP95 / Hochiki ESP /

Order Codes and Options

Mxp-002:	Loop Driver Card (Apollo/Hochiki)

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