MxPro 5

Remote Battery Temperature Sensor

This peripheral device is a remote battery temperature monitor which should be fitted and used in Rack-Mount and Extended panel enclosures or where batteries are remotely located from the basecard in a separate enclosure.

For Small, Medium, Large & Deep enclosures where batteries are located close to the basecard, the PCB-mounted temperature sensor is suitable.

Features

- Simple to install
- External battery monitoring
- For use with all MxPro 5 series control panels.

Order Codes and Options

MXP-501:	Remote Thermistor for Battery Monitoring

Compatibility

Compatible with all MxPro 5 series control panels.

Limitations

The Battery Monitoring cable length must not exceed 500mm.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

Sounder Active EOL

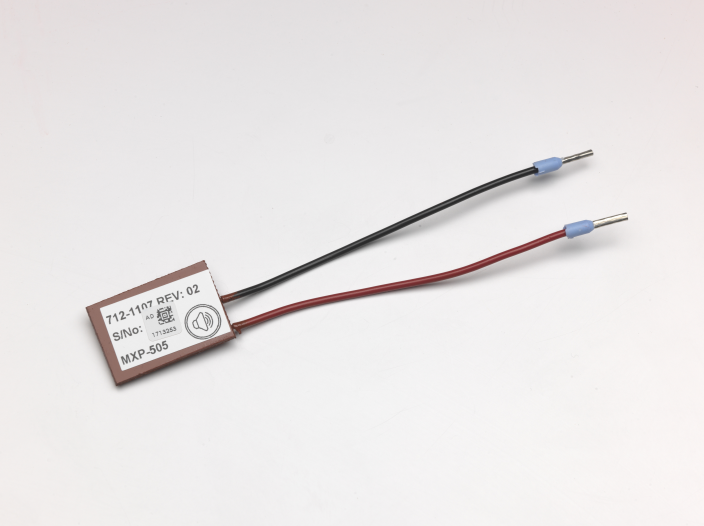
This module provides active monitoring of the sounder circuits in a fire system. Sounder circuits can be configured for compliance with EN54-13 by fitting and programming the use of this peripheral. In order to comply with EN54-13 all panel sounder outputs must be fitted with the Sounder Active EOL.

The Sounder Active EOL is a small and compact active end of line unit, designed for termination and housing in third party sounder output devices.

EN54-13 Compliance

In order to comply with EN54-13, TheMxPro 5 system must check and warn (prior to an alarm condition) if the voltage at the last device cannot be maintained under the applied alarm load conditions. In order to meet this requirement, the Sounder Active EOL active EOL is required for all panel sounder outputs.

By using this device, third party accreditation assures compatibility as all components are individually tested and certified to the relevant harmonised product standard. This ensures that the system will fully operate, as intended, when actually needed.



Features

- For use in EN54-13 compliant systems
- Supports device removal
- Simple to install
- Small and compact
- For use with all MxPro 5 series control panels.

Order Codes and Options

MXP-505:	Sounder Active End Of Line device for Part13

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

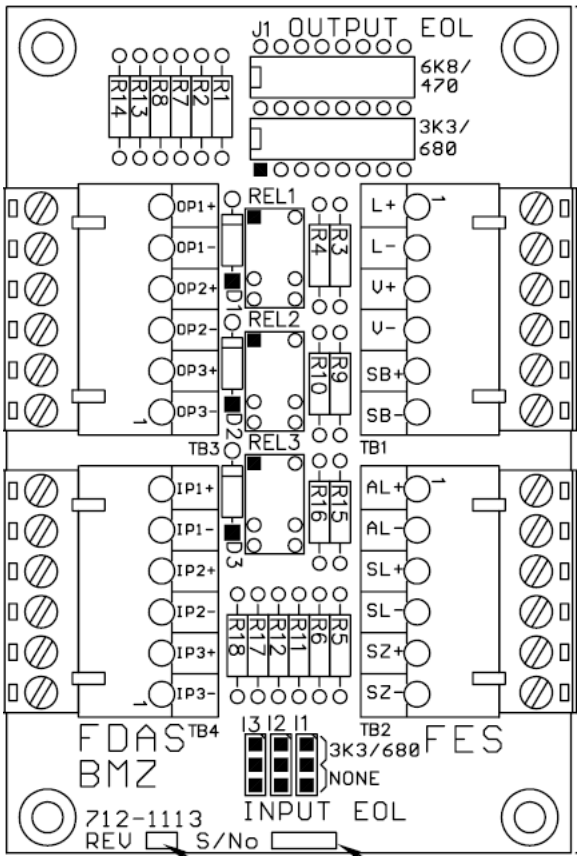
As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

Routing / Protection Termination Card

The Routing/Protection Termination provides a standardised termination and interfacing between the panel and either routing equipment or protection equipment. The termination card is directly compatible with the input and output circuits of the Mxp-504 (Mx-5000 FAT/FBF/FSD/ÜE Interface) and Mxp-532 (Mx-5000 Routing / Protection Interface).

The interface provides three programmable circuits for transmission of activation signals from the FDAS (Fire Detection and Alarm System) to the routing / protection equipment (FES). In addition, three programmable circuits are provided for transmission of confirmation or status signals from the routing / protection equipment to the FDAS.



Features

- To be added

Specification

Outputs (x3)	Relay Input Impedance = 1K ohm Relay Output volt-free with built in EOL and activation resistors Option: 3K3/680R or 6K8/470R
Inputs (x3)	Volt-free with built in EOL and activation resistors Option: None or 3K3/680R
Operating Voltage	18V - 28V DC
Dimensions (H x W x D)	105 x 70 x 15mm
Weight	80g
Operating Temperature	0°C to 49°C (INDOOR DRY)
Humidity	10-95% (non-condensing)
Approvals	VdS G210022

Order Codes and Options

MXP-506:	Routing / Protection Termination Card

Compatibility

Can be used with all MxPro 5 series control panels programmed with version 50.07 software or later, compatible with the PC-Configuration tool from version 6.12 or later. The interface connects directly to peripheral bus connection in the panel.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

2-Way Programmable Relay Card

The 2-Way Programmable Relay Card 2-Way Relay Output Card is an internal peripheral for use with MxPro 5 series control panels.

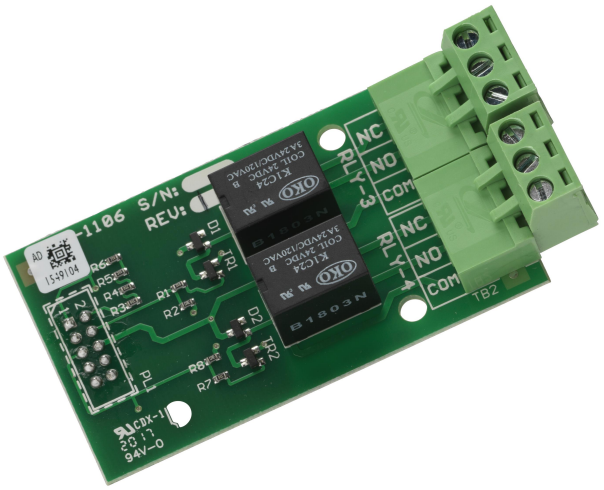
This additional PCB provides a cost effective solution to providing 2 individually programmable 1 Amp rated, volt free, change over contacts.

The 2-Way Programmable Relay Card connects directly to the panel's motherboard in which each output can be individually assigned to an output group to provide full support for dynamic zoning.

Applications

Ideal for any application where a number of programmable outputs are required at the panel, e.g. landlord/tenant interfaces.

The system can be easily configured to provide additional outputs for the more complex cause and effect configurations using standard products.



Features

- Each output individually programmable
- Optional fail-safe setup
- Allow investigation delays
- Can silence option
- Instant response time
- Cost effective against ancillary hardware
- Each output 30V AC/DC, 1 Amp rating
- 3-year warranty as standard

Specification

Power supply	24V DC (taken directly from panel)
Supply current	0mA (30mA in alarm state)
Temperature	0°C to 49°C indoor dry
Humidity	10-95% Humidity (non-condensing)
Dimensions H x W x D mm	80 x 40 x 18
Outputs	2 x programmable 30V AC/DC 1A resistive

Order Codes and Options

MXP-507:	2-Way Relay Card

Limitations

Each output can be assigned to an individual output group and is fully programmable for any output function allowed within the Mx configuration programme. Only one 2 Way Relay O/P Card can be fitted to MxPro 5 Series Fire Panels providing a total of 4 programmable relays per panel.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

Printer Module

The On-Board thermal printer is an internal peripheral for use with the MxPro 5 range of control panels.

This additional unit provides automatic, or on demand copy listings of the event log or status information.

The unit being fast and silent during operation has its own in-built battery backup to enable continuous uninterrupted operation even during a mains fail situation.

Spare rolls of thermal paper can easily be replaced due to the mechanism's easy access, front-loading compartment.

On-demand option for printing

- Inputs
- Outputs
- Disablements
- Event Log
- Network Faults

Can be used for printing the panel's event log or configured by the user to automatically print any of the following event types: Fire, Fault, Alarm or Test.

Note: If an on-board printer is to be fitted to the panel with a zone indicator module, use the Mxp-013-050 or Mxp-013-100 modules. The Mxp-025 20 Zone LED card cannot be used.

Features

- Fast instant response
- 3 year warranty as standard
- Fast and silent operation
- Thermal printer
- Cost effective against ancillary hardware

Specification

Printer Type	Thermal, graphical
Printer resolution	384 dots per line
Panel loading in Quiescent State	20mA
Panel loading, continuous printing	25mA
Maximum working temperature	50°C

Order codes and Options

MXP-512:	On-board Printer
MXP-512F:	On-board Printer - Fitted
MXS-509:	Spare paper roll for Mx-5000 series printer. Thermal, 58mm drum, 15M length.

Compatibility

The on-board Printer can be fitted to all MxPro 5 panels. The On-Board printer is supported from panel software revision 16 onwards. It has automatic operation for Fire, Faults Alarms and Tests.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

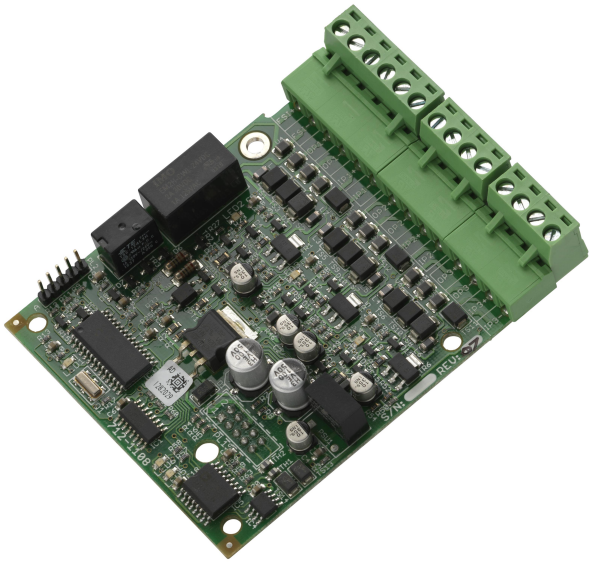
General Routing / Protection Interface

The General Routing/Protection Interface card is an optional module to provide monitored circuits to either fire/fault routing equipment or fire protection equipment for compliance with BS EN54-2: 1998 Clauses 7.9 and 8.9 and BS5839-1:2002

Applications / Limitations

EN54-2 compliant routing interfaces providing monitored outputs to the fire alarm and routing circuits. Circuits are monitored for open and short circuit conditions in both normal and active mode - compliant with EN54-2 and BS5839-1: 2002 Clause 12.2.1a

The outputs will drive relay coils with impedances of between 1kΩ and 5kΩ.



Features

- Two fire routing outputs are provided to differentiate between Call Point (MCP) and Automatic Detector (AFD) fire alarm signals if required.
- Outputs are monitored for open and short circuit wiring issues in both the quiescent and active states, and fault conditions reported on the panel (CIE) display/LED Indicators.
- Outputs are compatible with a wide range of routing equipment.
- Simple to install and configure
- Monitored outputs
- Wide range compatibility

Specification

Output Circuit Spec.	24V DC active, 5V DC monitor
Fire & Fault Outputs	1.0mA monitor mode nominal, 5.0mA-25.0mA active (energised) mode dependent upon coil impendence, 40.0mA maximum short circuit.
Input Circuit Spec.	4x Monitored Input - EOL 10KΩ, operating resistor 470Ω
Operating Voltage	24V DC [Range 19-28V] from panel auxiliary Supply Output.
Panel Loading, standby, AC Mains fail (fault output off)	43mA
Panel Loading, quiescent state (fault output on)	45mA +24mA (1KΩ coil), +5mA (5KΩ coil)
Panel Loading, ALL inputs and outputs active	48mA +72mA (1KΩ coils), +15mA (5kΩ coils)
On-boardIindications	6x LED indicators for outputs active, communications and microprocessor heartbeat
Operating Temperature	0°C to 50°C
Approvals	BS EN54-2: 1998

Order Codes and Options

MXP-532:	General Routing / Protection Interface
MXP-532F:	General Routing /Protection Interface - Fitted

Compatibility

Can be used with all MxPro 5 series control panels programmed with version 50.07 software or later, compatible with the PC-Configuration tool from version 6.12 or later. The interface connects directly to peripheral bus connection in the panel.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

Dual Input Stretch / Latch Module

The Stretch / Latch Input Card provides monitoring for two momentary switch inputs. The module can be configured for Latch or Stretch modes of operation. The module can be configured for wiring supervision using the end-of-line resistor of the host input device. A reset input is provided for the reset of a latched condition.

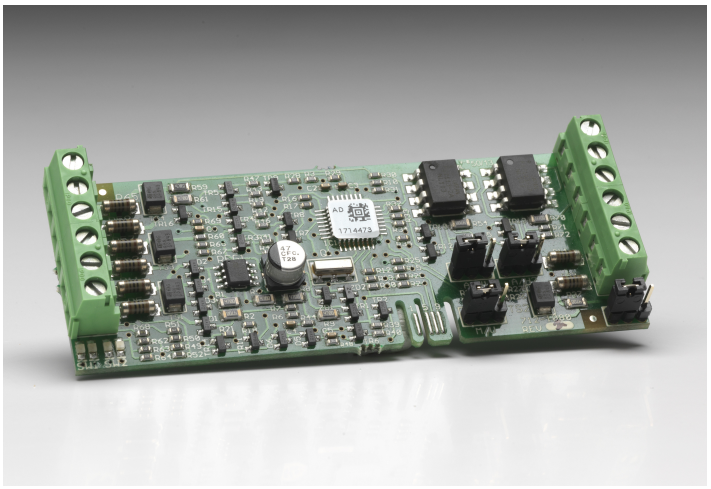
Applications / Limitations

Can be used to monitor the operation of a momentary switched input that has been interfaced to the fire alarm control panel via loop devices or on-board inputs.

Two modes of operation are available for momentary switched operation, Latched or Stretched (30 Seconds).

Can be powered by a separate 24V DC supply, or loop powered.

Common reset input (volt free) allowing reset of the latched condition.



Features

- Two modes of operation - Latched or Stretched
- Monitored or Non-monitored connectivity
- Configurable for Advanced, Apollo, Hochiki and Nittan input circuits
- The module can be loop powered

Specification

Applicable Standards	BS EN54-2; 1998, BS EN54-4: 1998
Relative Humidity	-95% Non-condensing
Enclosure H x W x D mm	Plastic ABS recyclable, 130 x 42 x20
DC Supply	24V (17-28V) DC, 10mA
Input Circuit	Volt free/end-of-Line 10K
Output Circuit	Volt free/end-of-line 10K/20K,Max 30V DC
Reset Input Circuit	Volt free
LED Indication	4 x LED input active & wiring fault per input
Weight	40 grams

Order Codes and Options

MXP-053:	Dual Input Stretch / Latch Module

Compatibility

Any volt-free switched input circuit.

End-of-line monitoring optional when used in conjunction with Advanced Electronics, Apollo, Hochiki or Nittan control equipment.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

8-Way Conventional Zone Monitor Card

The Programmable 8-Zone Monitor Card is an optional peripheral unit that provides eight individually programmable zone monitor circuits compliant with BSEN54- 18: 1998 Clause 7.8.

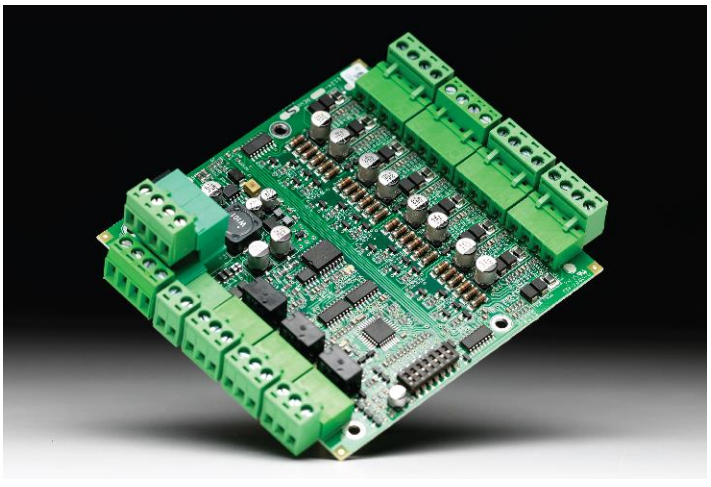
Up to 16 cards can be connected to a multi-loop panel providing a maximum of up to 128 additional zone monitor circuits.

Each zone is fully programmable using the powerful dynamic cause-and-effect rules.

The unit is available as either a printed circuit card only.

Applications / Limitations

EN54-18 compliant zone monitor circuit.



Features

- 8 zone circuits - each zone is monitored for open and short circuit
- Each zone is individually programmable with the available dynamic cause-and-effect rules
- Up to 16 cards can be connected giving a total of 128 additional zone monitors
- 1 relay output for reset
- 128 zone monitor circuits per panel
- Easily configured via PC-NET-003
- 3-year warranty as standard

Specification

Applicable Standards	BS EN54-18 compatible
Operating Temperature	-5°C to 40°C
Relative Humidity	95% non-condensing (maximum)
PCB Dimensions H x W xD mm	100 x 105 18
PCB Weight	75 grams
Switch/Zone Inputs	8 monitored inputs (6800R EOL, 470 active)
PCB Supply	24VDC nominal (21-28VDC), 100mA (quiescent) 500mA (all zones short circuit)
Relay Output (x1)	24VDC, 1A
Fault Input	Volt free, clean contact

Order Codes and Options

MXP-536:	8-Way Conventional Zone Monitor Card
MXP-536F:	8-Way Conventional Zone Monitor Card - Fitted

Compatibility

Can be used with all MxPro 5 series control panels.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

10-Way Programmable Monitored Input Card

The Programmable 10 Way Programmable Monitored Input Card is an optional peripheral unit that provides 10 individually programmable monitored switch inputs.

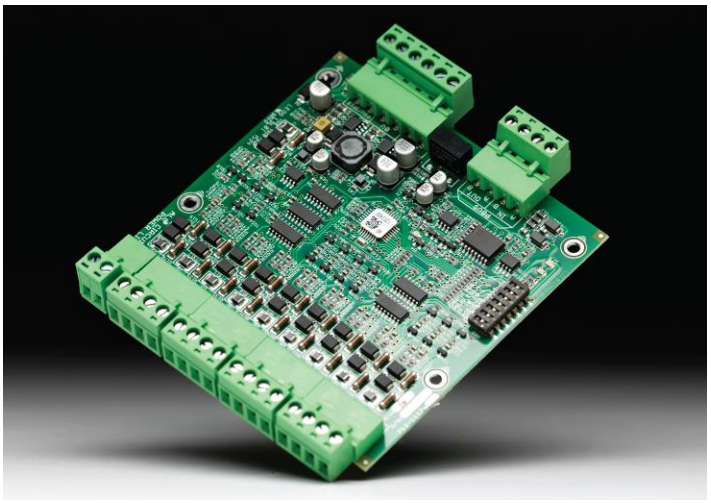
Up to 16 cards can be connected to a MxPro 5 series panel providing a maximum of up to 160 additional monitored inputs.

Each input is fully programmable using the powerful dynamic cause-and-effect rules.

The unit is available as either a printed circuit card only.

Applications / Limitations

EN54-18 approved switch monitor circuit.



Features

- Each input is monitored for an open and short circuit.
- Each input is individually programmable for Fire, Fault, Alarm etc.
- Up to 16 cards can be connected providing a total of 160 additional switch inputs.
- Easily configured via PC-NET-003
- 3-year warranty as standard

Specification

Applicable Standards	BS EN54-18 compatible
Operating Temperature	-5°C to 40°C
Relative Humidity	95% non-condensing (maximum)
PCB Dimensions H x W x D mm	100 x 105 x 18
PCB Weight	75 grams
Switch Inputs	10 Way Programmable Monitored Input Card.
PCB Supply	24VDC (17V to 28V), 25mA (10 I/Ps wired with 6K8 EOLs, Vs = 24V)
On Board Indication	RS485 (transmit/receive) & heartbeat

Order Codes and Options

Mxp-537:	10-Way Programmable Input Card
Mxp-537F:	10-Way Programmable Monitored Input Card - Fitted

Compatibility

Can be used with all MxPro 5 series control panels.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

16-Way Switch & 48 LED Card

The 16-way Switch & 48 LED Card is an expansion peripheral that offers 16 inputs and 48 outputs that can be configured via the Advanced PC Config Tool.

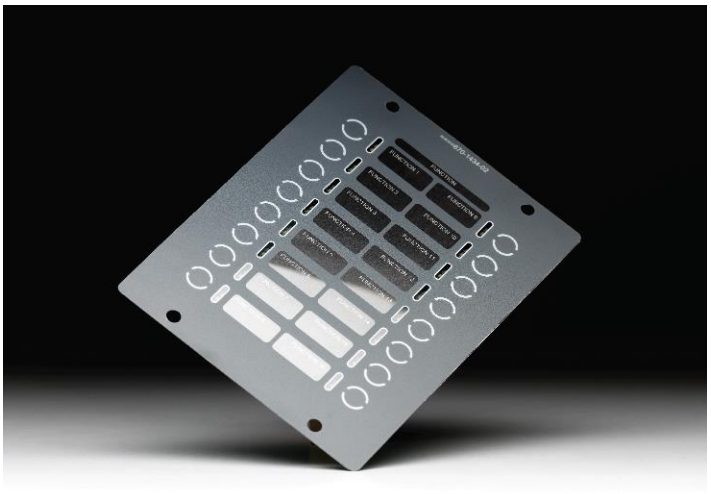
This additional PCB provides a cost effective solution to providing 16 individually programmable push buttons for controlling fire alarm equipment.

Up to 16 cards can be connected to a MxPro 5 series panel providing a maximum of 256 push buttons and 768 LED outputs.

Each LED output can be individually assigned to an output group to provide full support for dynamic zoning and to indicate when the buttons have been activated.

Applications

Ideal for any application where a number of programmable push button switches are required for evacuation and plant control.



- 16 configurable push buttons
- 48 Programmable LEDs, 3 x LEDs per push button (red, green & yellow)
- Configurable buzzer
- Fast input response
- Up to 16 switch plates for each control panel

Specification

Power supply	18-28V DC (e.g. wired from Panel 24V auxiliary supply)
Supply current	60mA maximum
Temperature	0°C to 49°C indoor dry
Humidity	10-95% humidity (non-condensing)
Dimensions H x W x D mm	168 x 144 x 31
Inputs	16 x push buttons, 1 x PSU monitor
Outputs	48 x LED indicators, 1 x buzzer
Fault Input	Volt free

Order Codes and Options

MXP-538:	Switch / LED Interface. LED indicators arranged in groups of 3 (Green, Red and Yellow)

Compatibility

Compatible with all MxPro 5 panels. Requires PC Config Tool version 6.10 or later. Requires panel software Mx-5000-050-07 or later. Units must be mounted locally to their power supply. Up to 16 16-way Switch & 48 LED Card interfaces can be connected to the peripheral bus.

Limitations

Each switch/push button can be configured using multiple input actions from the PC Net-003 software. Each LED output can be assigned to an individual output group and is fully programmable for any output function allowed within the Mx configuration program (v6 onwards).

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com
As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

Multi-Way I/O Mimic Driver Card

The Multi-Way Input/Output Card is an expansion peripheral that offers 16 inputs and 48 LED driver outputs that can be configured via the Advanced PC Config Tool.

This additional PCB provides a cost effective solution to providing a boxed mimic indication and plant control indication panel utilising the internal peripheral bus. No network interface is required.

The Multi-Way Input/Output Card connects directly to the panel's motherboard peripheral bus in which each I/O can be individually programmed.

Applications

Ideal for any application where a number of programmable clean-contact inputs are required for evacuation and plant control. Each switch/push button can be configured using multiple input actions from Advanced's PC Net-003 software.

Features

- 16 configurable clean-contact inputs
- 48 programmable LED driver outputs
- Configurable buzzer
- Fast input response
- Up to 16 switch plates for each control panel
- No network interface required

Specification

Power supply	18-28V DC (e.g. wired from panel 24V auxiliary supply)
Supply current	60mA maximum
Temperature	0°C to 49°C indoor dry
Humidity	10-95% humidity (non-condensing)
Dimensions H x W x D mm	168 x 14 x 31
Inputs	16 x clean-contact volt free, 1 x PSU monitor
Outputs	48 x LED driver outputs, 1 x buzzer
Fault input	Volt free

Order codes and Options

MXP-539:	Multi-Way I/O Mimic Driver Card: 16-Input / 48-Output

Compatibility

Compatible with all panels in the MxPro 5 range. Requires PC ConfigTool version 6.10 or later. Requires Panel Software Mx5000-050-07 or later. Units must be mounted locally to their power supply. Up to 16 Multi-Way Input/Output Card interfaces can be connected to the peripheral bus.

Limitations

Each LED output can be assigned to an individual output group (up to 200 groups per control panel) and is fully programmable for any output function allowed within the Mx configuration program (v6 onwards). Up to 16 Cards can be fitted to an MxPro 5 series fire panel providing a total of 256 programmable clean contact inputs.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

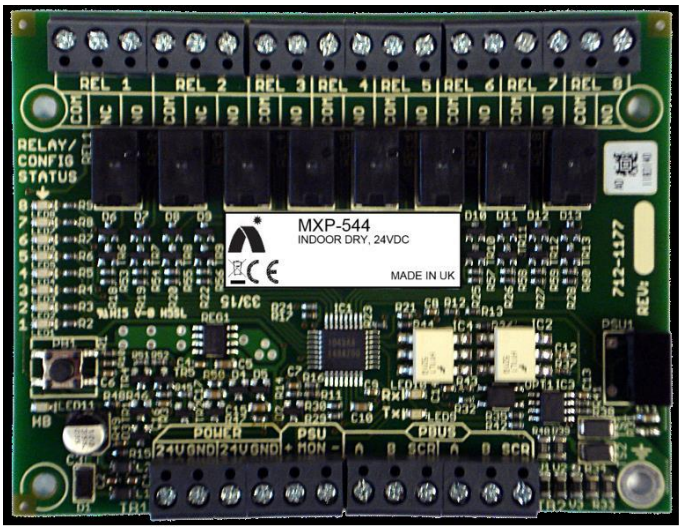
8-Way Peripheral Relay Card

The MXP-544 Peripheral 8-Way Relay Card is an internal module intended for use with the Mx-5000 range of fire alarm control panels.

Each card provides 8 configurable relay outputs (2 x FORM C, 6 x FORM A). Up to 16 cards may be connected to a panel, allowing for an extra 128 relay outputs (SELV).

The MXP-544 is configured using a positive action sequence involving the on-board push button and LED indicators. This allows the module to be safely configured/inspected while adding an extra reporting capability not previously available to peripheral modules.

Cards are protocol independent.



Approvals

- EN54-18

Features

- Powered from CIE on local PSU
- Provides 8 configurable relay outputs
- Up to 16 cards can be connected to the peripheral bus = 128 relays

Specification

Power supply	24 VDC
Quiescent current	30 mA (Vs = 24 V)
Max current (O/Ps on)	80 mA (Vs = 24V, 8 Relays on)
Operating temperature	-5°C to 40°C
Relative humidity	95% non-condensing (maximum)
Dimensions H x W x D mm	15 x 105 x 80 mm
Weight	80 g
PSU monitor input	V F
PSU monitor EOL	10 K
PBus EOL	150 R 150 Ω
Relay outputs	SELV, 2 x Form C, 6 x Form A
Contact rating	1 A at 30 VDC (resistive load)
Contact Resistance	100 mΩ
Contact endurance	100,000 operations min (under rated load)

Order Codes and Options

MXP-544:	Peripheral 8-Way Relay Card

Limitations

Cards must be mounted locally to their power supply.

Requires PC-NET-003 Configuration Tool Version 6.91 Onwards

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

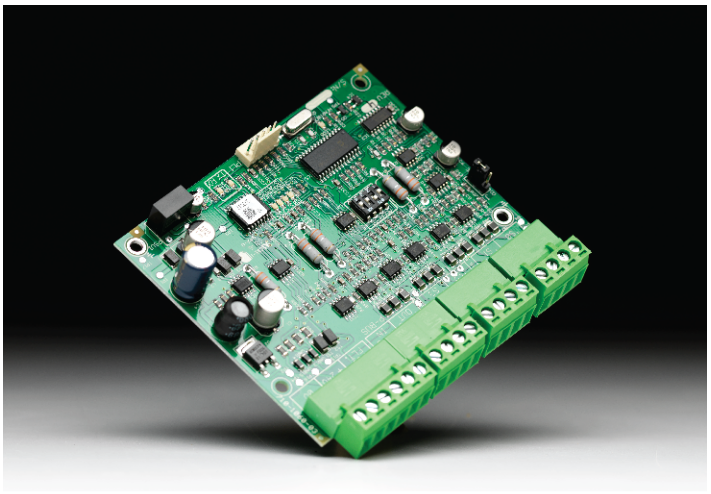
4-Way Programmable Sounder Card

The Programmable 4-Way Sounder Card is an optional peripheral unit that provides four individually programmable, and monitored, sounder output circuits compliant with BSEN54-2: 1998 Clause 7.8.

Up to 16 cards can be connected to a multi-loop panel providing a maximum of 64 additional local sounder outputs. Each output is fully programmable using the powerful dynamic cause-and-effect rules, and all outputs are synchronised.

Applications / Limitations

EN54-2 compliant sounder outputs.



Features

- Each output is 1A rated, and monitored for open and short circuits.
- Each output is individually programmable using the Dynamix cause-and-effects rules.
- All outputs can be synchronised in pulsing modes.
- Up to 16 cards can be connected giving a total of 64 additional outputs.
- Each output may be individually programmed
- Easily configured via PC-NET-003
- 3 year warranty as standard

Specification

Applicable Standards	BS EN54-2; 1998, BS EN54-4: 1998
Operating Temperature	-5°C to 40°C
Relative Humidity	95% non-condensing (maximum)
PCB Dimensions H x W x D mm	PCB 110 x 86 x 18
PCB Weight	75 grams
Enclosure	Steel, IP30, RAL9002
Enclosure Dimensions H x W x D mm	320 x 345 x 88
Weight	5 kg (excluding batteries)
Knockouts 20mm	7 x top, 2 x bottom
AC Supply	230V AC, 50Hz (+10%, -15%) FUSE T3. 15H250
Standby Battery	2 x 12V, 7AH Sealed lead-acid type (Yuasa recommended)
LED Indications (PCB)	Sounder circuit on, communications TX & RX and heartbeat
Outputs (x4)	24VDC 1A

Order codes and Options

MXP-034 (F):	4-Way Programmable Sounder Card (Fitted)

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

4-Way Programmable Relay Card

The Programmable 4-Way Relay Card is an optional peripheral unit that provides four individually programmable relay output circuits.

Up to 16 cards can be connected to a multi-loop control panel providing a maximum of up to 64 additional local relay outputs.

Each output is fully programmable using the powerful dynamic cause-and-effects rules, and all outputs are synchronised.

The unit is available as either a printed circuit card only or as a boxed version with integral 1A power supply.

Applications / Limitations

Plant control and signalling outputs. Each output can be assigned to an individual output group and is fully programmable for any output function allowed within theMxPro 5 configuration program.

Fitting of the Programmable 4-Way Relay Card in a panel precludes fitting of other panel option cards.

Features

- Each output is 230V, 5A rated
- Each output is individually programmable with any of the available dynamic cause-and-effect rules
- Up to 16 cards can be connected providing a total of 64 additional outputs
- Each output may be individually programmed
- An input is provided to monitor the fault output from a power supply.
- 4-way programmable relay card
- Easily configured via PC-NET-003
- 3-year warranty as standard

Specification

Applicable Standards	BS EN54-2:1998, BS EN54-4:1998
PCB Dimensions H x W x D mm	24VDC nominal (18- 28VDC), 22mA (quiescent) 75mA (outputs on)
Dimensions H x W x D mm	100 x 86 x16
Knockouts 20mm	7 x top, 2 x bottom
AC Supply	230V AC, 50Hz (+10%, -15%) FUSE T3.15H250
Standby Battery	2x12V, 7Ah Sealed lead-acid type (Yuasa recommended)
LED Indications (Box)	Power and general PSU fault - separate indications of specific PSU fault conditions are available on the PSU.
Enclosure	Steel, IP30, RAL9002, 3Kg (excluding batteries)
Enclosure Dimensions H x W x D mm	320 x 345 x 88
LED Indications (PCB)	Relay circuit on, communications TX & RX and heartbeat
Outputs (x4)	230V AC, 5A resistive / 230V AC, ½ HP / 30VDC, 5A

Order Codes and Options

MXP-035 (F):	4-Way Programmable Relay Card (Fitted)
MXP-035-BXP:	4-Way Programmable Relay Card Boxed with 1.5A PSU

Compatibility

The Programmable 4-Way Relay Card is compatible with allMxPro 5 control panels.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

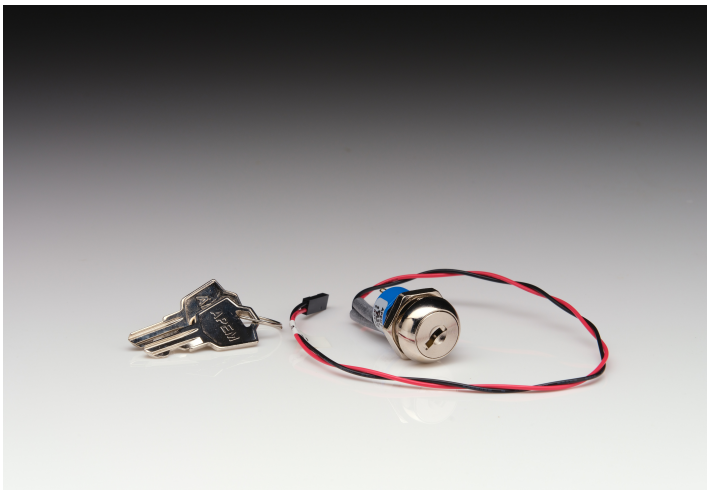
MxPro 5

Key Switch Control

TheMxPro 5 control panel range supports direct installation of up to 8 individual key switches.

Applications

The MxPro 5 1 loop permits 1 key-switch to be fitted, but the MxPro 5 2 & 4 loop control panels allow a maximum of 8.



Features

- Enable/disable controls
- Group isolate to disable I/O across network
- For use to start/enable a class change
- Trapped and un-trapped key switches available
- Control of multi-sensor/device sensitivity mode change
- Simple to install and configure
- Trapped and Un-trapped key switches

Order Codes and Options

Mxp-511(F):	Access Enable Key Switch Assembly for MX-5000
Mxp-518-001(F):	Access Enable Key Switch Assembly for MX-5010/5020
Mxp-518-002(F):	Access Enable Key Switch Assembly for MX-5030
Mxp-516(F):	2-position Key Switch Assembly - Trapped
Mxp-517(F):	2-position Key Switch Assembly - Untrapped
Mxp-519(F):	2-position Key Switch Assembly (Momentary contact) - Trapped
Mxp-515(F):	3-position Key Switch Assembly - Untrapped (requires 2 inputs)
Mxp-515T(F):	3-position Key Switch Assembly - Trapped (Free in centre position)
Mxs-511-KEY	Spare MXP-511 Access Enable Key
Mxs-511:	Spare access enable Key Switch (Lorlin style)
Mxs-516:	Spare 2 position Key Switch - Trapped (Lorlin style)
Mxs-517:	Spare 2 position Key Switch - Un-Trapped (Lorlin style)

Compatibility

Can be used with all MxPro 5 series control panels.

Limitations

If an on-board printer is fitted to the MxPro 5 2 & 4 loop control panels then the maximum number of switches fitted is limited to 4. If the MxPro 5 3-position switch is fitted, then two programmable inputs must be available per switch.

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.

MxPro 5

50, 100 and 200-Zone LED Cards

The Zone LED cards are a range of panel-mounted peripheral modules that can be added to theMxPro 5 series of control panels. The display cards are available in numerous configurations and provide an individual indication of the zone(s) in Fire by default, but are also fully programmable.

The units fully support dynamic zoning, on networked or larger stand-alone systems, and can be used to provide individual zonal LED indication at one location.

Applications

The zone/LED indicator card can be fitted to allMxPro 5 control panels to provide an indication of the zone(s) in Fire in addition to the panel graphical display. The LED will illuminate when the corresponding zone enters a Fire condition.

This next generation in LED technology also allows the LED to be fully programmed. Each LED can now operate in accordance with the cause-and-effect strategy in which the LED can illuminate upon Fault, Isolation, Output Group plus many more.

LED cards can now be ordered with red and yellow LED arrangements or provided with bi-colour LEDs with slide-in labels to assist identifying the origin of the condition.

Features

- Programmable LEDs
- 3-year warranty as standard
- Factory fitted or retrofit
- Supports dynamic zoning
- Fully programmable
- Cost effective against ancillary hardware

Order Codes and Options

Code	Description	Fits with the following panels/ compatible LED code
Mxp-513M-050RD	Medium Enc. 50 Zone Fire (Red), c/w door	MX-5101M
Mxp-513M-050RY	Medium Enc. 25 Fire (Red) + 25 Fault (Yellow), c/w door	MX-5201
Mxp-513M-050YL	Medium Enc. 50 Zone Fault (Yellow), c/w door	MX-5202

Code	Description	Fits with the following panels/ compatible LED code
Mxp-513L-050RD	Large Enc. 50 Zone Fire (Red), c/w door	MX-5101L
Mxp-513L-050RY	Large Enc. 25 Zone Fire (Red) + 25 Zone Fault (Yellow), c/w door	MX-5101D
Mxp-513L-050YL	Large Enc. 50 Zone Fault (Yellow), c/w door	MX-5201L
Mxp-513L-100RD	Large Enc. 100 Zone Fire (Red), c/w door	MX-5201D
Mxp-513L-100RY	Large Enc. 50 Zone Fire (Red) + 50 Zone Fault (Yellow), c/w door	MX-5202L
Mxp-513L-100YL	Large Enc. 100 Zone Fault (Yellow), c/w door	MX-5202D
Mxp-513L-200RY	Large Enc. 200 Zone Fire/Fault (Bi-colour), c/w door	MX-5401
Mxp-513L-050CRY	Large Enc. 50 Zone Column Format (Bi-colour), c/w door	MX-5402
Mxp-513L-050CRYG	Large Enc. 50 Zone Column Format (30 Red/Yellow & 20 Green/Yellow), c/w door	MX-5403
		MX-5404
		MX-5401D
		MX-5402D
		MX-5403D
		MX-5404D

Code	Description	Fits with the following panels/ compatible LED code
Mxp-513-050RD	Extended Enc. 50 Zone Fire (Red)	MX-5401E
Mxp-513-050RY	Extended Enc. 25 Zone Fire (Red) + 25 Zone Fault (Yellow)	MX-5402E
Mxp-513-050YL	Extended Enc. 50 Zone Fault (Yellow)	MX-5403E
Mxp-513-100RD	Extended Enc. 100 Zone Fire (Red)	MX-5404E
Mxp-513-100RY	Extended Enc. 50 Zone Fire (Red) + 50 Zone Fault (Yellow)	MX-5802 (/FT)
Mxp-513-100YL	Extended Enc. 100 Zone Fault (Yellow)	MX-5803 (/FT)
Mxp-513-200RY	Extended Enc. 200 Zone Fire/Fault (Bi-colour)	MX-5803 (/FT)
Mxp-513-050CRY	Extended Enc. 50 Zone column format (Bi-colour)	MX-5804 (/FT)
Mxp-513-050CRYG	Extended Enc. 50 Zone column format (30 Red/Yellow & 20 Yellow/Green)	MX-5805 (/FT)
		MX-5806 (/FT)
		MX-5607 (/FT)
		MX-5808 (/FT)

Advanced, The Bridges, Balliol Business Park, Newcastle upon Tyne, NE12 8EW, UK T: +44 (0)345 894 7000 E: enquiries@advancedco.com
W: www.advancedco.com

As our policy is one of constant product improvement the right is therefore reserved to modify product specifications without prior notice.