

Programmable 4-Way Relay Card - obsolete

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 the MxPro 4 configuration program.

Fitting of the Programmable 4-Way Relay Card in a panel precludes fitting of other panel option cards. Requires installation of the Peripheral Bus Interface Card in the panel when using the MxPro 4 series.

Features

- Each output is 230V, 5A rated
- Each output is individually programmable with any of the available DynamiX 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:	4-Way Programmable Relay Card
Mxp-035-BXP:	4-Way Programmable Relay Card Boxed with 1A PSU

Compatibility

The Programmable 4-Way Relay Card is compatible with all MxPro 4 control panels.

4-Way Programmable Sounder Card - obsolete

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.

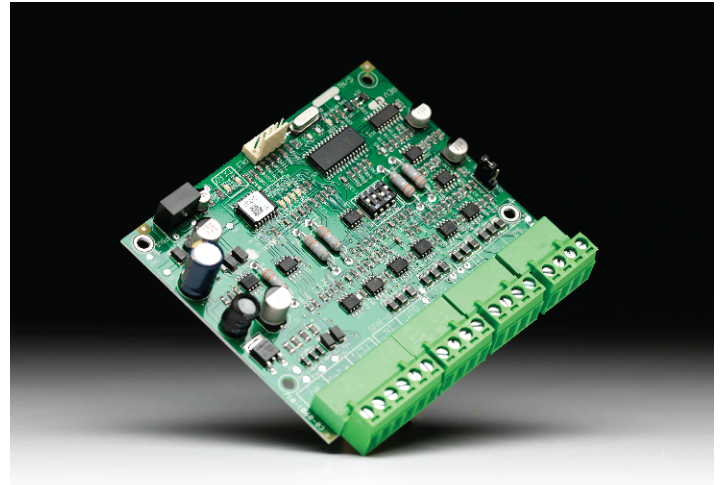
The unit is available as either a printed circuit card only or as a boxed version with integral 4A power supply.

Applications / Limitations

EN54-2 compliant sounder outputs.

Can be used with MxPro 4 2, 4 & 8 loop control panels programmed with version 020-02 software, or later, and fitted with base card hardware revision levels 10 (712-1022 MxPro 4 4 loop) and 09 (712-1022-002MxPro 4 2 loop) or later.

Requires installation of the Peripheral Bus Interface Adaptor card in the panel when using the MxPro 4 series.



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
LED Indications (Box)	Power and general PSU fault - separate indications of specific PSU fault conditions are available on the PSU.

Outputs (x4) 24VDC 1A

Order Codes and Options

Mxp-034:	4-Way Programmable Sounder Card
Mxp-034-BXP:	4-Way Programmable Sounder Card Boxed with 4A PSU

General Routing Interface Card - obsolete

The General Routing Interface Card is an optional module to provide fire routing outputs complaint 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 fire alarm and routing circuits. Circuits are monitored for open and short circuit conditions in both normal and active mode - compliance 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
- 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 impedance, 40.0mA maximum short circuit.
Input Circuit Spec. (Future Option)	4x Monitored Input - EOL 10KΩ , operating resistor 470Ω
Operating voltage	24V DC [Range 19-28V] from panel auxilliary supply output.
Panel loading, standby, AC Mains fail (fault output off)	
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-board indications	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-032:	General Routing Interface
Mxp-032F:	General Routing Interface Fitted

Compatibility

Can be used with all MxPro 4 series multi-loop control panels.

Limitations

Cannot be fitted to the Mx-4100 / L / LG variant

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

Mimic Relay Card - obsolete

The Peripheral Relay Card provides 10 30V DC, 1A programmable relay outputs.

The Peripheral Relay Card connects directly to any of the DIL connectors of either the Network Mimic 100 LED Output Card or the Multi way Input/Output Card unit via the supplied ribbon cable.

Each output follows the cause-and-effect programming of the mimic unit output.

This can be either a simple zone output or can be an individually programmed output group rule utilising the full range of features of the MxPro 4 dynamic zoning facilities.

Applications

These units can be used where many relay outputs are required for simple on/off signalling or control.

Features

- Ten change-over contacts outputs at 30Vdc, 1A
- DIN rail or screw fixing options
- Separate isolate input (disables all outputs)
- Separate isolate indication output
- Fast response

Specification

Enclosure Dimensions H x W x D mm	PCB: 90 x 160 x 15
Enclosure Dimensions H x W x D mm	DIN rail: 90 x 160 x 40
DIN rail	Module mounts onto 32mm G Section and 35mm top hat (En50022) DIN rail
PCB Dimensions H x W x D mm	35 x 142 x 70
Operating Temperature	-5°C to 40°C
Relay Contacts	10 volt free change over contacts
Contact Rating	30V DC, 1A resistive
Power Supply (Card)	24v DC nominal (21-28V DC)
Current (@24V DC)	Quiescent: 0mA, relay on:13mA (per relay)
LED Indication	Relay circuit on (per relay)
Disable Control Inputs	Volt free input and mimic output drive option
Disable Indication	Open collector output

Order Codes and Options

Mxp-052:	Mimic driven 10 way relay card
Mxp-052-DIN:	Mimic driven 10 way relay card in DIN rail carrier

Compatibility

Can be used with any of the network mimic units or the multi-way Input/Output card

Mimic Driven Relay Card - obsolete

The Mimic Driven Relay Card provides 10 30V DC, 1A programmable relay outputs.

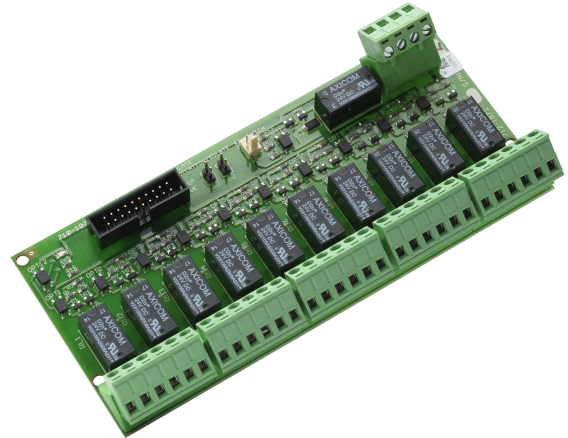
The Mimic Driven Relay Card connects directly to any of the DIL connectors of either the Network Mimic 100 LED Output Card or the 50-way Input/Output Card unit via the supplied ribbon cable.

Each output follows the cause-and-effect programming of the mimic unit output.

This can be either a simple zone output or can be an individually programmed output group rule utilising the full range of features of the MxPro 4 dynamic zoning facilities.

Applications

These units can be used where many relay outputs are required for simple on/off signalling or control.



Features

- Ten change-over contact outputs rated at 30V DC, 1A.
- Up to 200 individual relay outputs fully programmable per mimic (excluding LEDs)
- Ten individually programmable relay outputs per unit
- DIN rail or screw fixing options
- Separate isolate input (disables all outputs)
- Separate isolate indication output
- Fast response

Specification

Enclosure Dimensions H x W x D mm	PCB: 90 x 160 x 15
Enclosure Dimensions H x W x D mm	DIN rail: 90 x 160 x 40
DIN rail	Module mounts onto 32mm G Section and 35mm top hat (En50022) DIN rail
PCB Dimensions H x W x D mm	35 x 142 x 70
Operating Temperature	-5°C to 40°C
Relay Contacts	10 volt free change over contacts
Contact Rating	30V DC, 1A resistive
Power Supply (Card)	24v DC nominal (21-28V DC)
Current (@24V DC)	Quiescent: 0mA, relay on: 13mA (per relay)
LED Indication	Relay circuit on (per relay)
Disable Control Inputs	Volt free input and mimic output drive option
Disable Indication	Open collector output

Order Codes and Options

Mxp-052:	10 Way Relay Card
Mxp-046-DIN:	10 Way Relay Card in DIN Rail Carrier

Compatibility

Can be used with any of the network mimic units.

Latch/Stretch Input Card - obsolete

The Latch/Stretch 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 onboard 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
- Loop powered
- Configurable for Advanced, Apollo, Hochiki and Nittan input circuits
- The module can be loop powered
- 3-year warranty as standard

Specification

Mxp-053:	Dual Input Latch/Stretch Module
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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.