

Damper Interface Card - obsolete

The Advanced Damper Interface is a loop driven device that utilises the Apollo protocol. The device is a fully monitored interface providing confirmation of the damper open and closed positions.

For use with dampers that are normally held open. Fail-safe operation only applicable to electrically opened & mechanically closed dampers.

Features

- Damper motor drive and limit switch monitoring integrated into a single unit
- Dual limit switch inputs for confirmation of damper-fully-open, and damper-fully-closed positions
- Selectable monitoring on switch inputs to prevent short circuits in the wiring from giving false position readings
- Fail-safe options in case of data errors in the communications loop

Specification

Enclosure Dimensions H x W x D mm	300 x 200 x 150 - Steel IP66
Colour	RAL 7032 Light Grey
Weight	4Kg
PCB Dimensions H x W x D mm	35 x 142 x 70
Operating Temperature	-5°C to 40°C
Relative Humidity	95% non-condensing (maximum)
Mains Supply	230V AC, 50Hz (+10%,-15%), 30mA (plus motor load)
Motor Switch Rating	1.0A
Fuse (PCB)	T3.15H250V
Fuse (Fuse terminal block)	T3.15H250V
Data loop current	1.6mA

Order Codes and Options

Mxp-046:	Damper Interface Card
Mxp-046-BX1:	Damper Interface Boxed

Compatibility

Use with dedicated damper panels using Apollo protocol devices MxPro 4 series fire panels require version 019- 01 (or higher) program to use with Apollo protocol devices PC configuration program must be 4.10 (or higher) to support damper interface units.

Modem Interface - obsolete

The Modem Interface card is a peripheral interface for use with the MxPro 4 range of control panels.

The unit permits remote PC connection for interactive control panel interrogation via the software package PC-Net-004.

The unit can be supplied in PCB format for internal panel mounting, or in an enclosure for remote mounting.

This unit has the following diagnostics

Heartbeat LED Indicator

During initial power up, LED 3 will flash at a rate of 2Hz. After approximately 5 seconds it will revert to 1Hz indicating normal operation.

Modem Status LED's

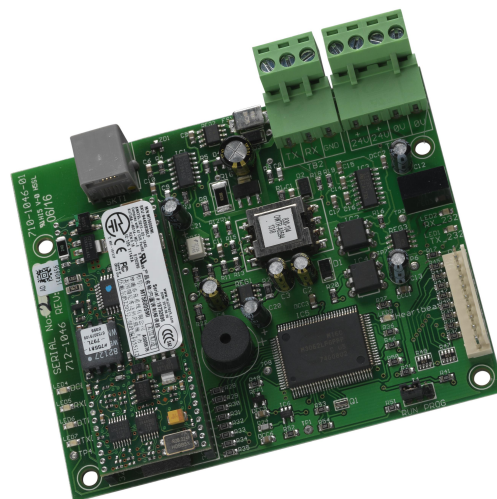
- DCDIND – Telephone connection established
- RXIND – Receipt of data by modem
- DTRIND – Always illuminated
- TXIND – Data transmission by modem

RS232 Activity LED's

- RX – Receipt of data from fire panel
- TX - Transmission of data to fire panel

Applications / Limitations

The modem will allow interactive interrogation of the connected fire product including transfer of the event log using Pc-Net-004 software.



Features

- Remote dial-up access to the MxPro 4 Series.
- Can be internally mounted or remotely fitted.
- Uses Pc-Net-004 for PC to site connection
- 3 year warranty as standard

Specification

Power Supply	15-30V DC (e.g. wired from panel 24V auxiliary supply)
Supply Current	100mA (typical at 24V DC)
Temperature	-5°C to 50°C
Humidity	95% humidity (non condensing)
Dimensions H x W x D mm	Enclosure: 218 x 300 x 45

Order Codes and Options

Mxp-028(F)*:	Modem Card
Mxp-028-BX:	Modem Card (Boxed)
(F)*:	add - Fitted (Not Mx-4100, Mx-5101)

Compatibility

Internal fitting of the Peripheral Relay Card is applicable only to the MxPro 4 2, 4 & 8 loop control panels. The Modem Interface BX version can be used with the MxPro 4 1, 2, 4 & 8 loop control panels.

On-Board Printer - obsolete

Please note that this item is no longer available for sale.

The on-board thermal printer is an internal peripheral for use with the MxPro 4 multi-loop 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 inbuilt 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 Zonal LED indicator cards 50 & 100 modules. The 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-012:	On-board Printer c/w Chassis Door and Lab
Mxp-012F:	On-board Printer Fitted to an Mx-4200 / Mx-4400 or Mx-4800
Mxs-008:	Spare paper roll for Mx-4000 series printer. Thermal, 58mm drum, 25M length.
Mxs-014:	Spare battery pack (Suitable for printers made 2005 onwards)

Compatibility

The on-board Printer can be fitted to the MxPro 4 2, 4 & 8 loop fire alarm control panels.

The On-Board printer is supported from panel software revision 16 onwards.

Automatic Operation for

- Fire
- Faults
- Alarms
- Tests

Pager Interface - obsolete

The Pager Interface is a programmable interface providing connectivity of third party paging systems to the MxPro 4 control equipment. It utilises the industry standard protocol ESPA 4.4.4 and connects to the equipment via a serial data connection. An optional input function is available to monitor pager fault conditions. Specific event types (e.g. Fire, Alarm, Pre- Alarm, Fault, etc.) can be sent to individual pagers and/or to groups of pagers.

Applications / Limitations

For use with pager systems compliant to ESPA 4.4.4 protocol. If a printer is also required, fit an internal printer assembly.

Features

- Up to 8 configurable shifts per weekday/weekend
- Up to 50 pager groups
- Up to 250 pager addresses
- Each pager address can be configured to cover 2 zone ranges
- Zone and/or point information can be sent to the pager
- User defined texts are available and the basic event type text can be configured
- ESPA 4.4.4 protocol
- Panel mounted or boxed version
- Easily configured via pager PC Software
- 3 year warranty as standard

Specification

Power supply	15-30V DC (e.g. wired from panel 24V auxiliary supply)
Supply current	100mA (typical at 24V DC)
Temperature	-5°C to 50°C
Humidity	95% humidity (non condensing)
Dimensions H x W x D mm	Enclosure: 218 x 300 x 45
Pager Interface	RS232 galvanically (opto) isolated
Fault Input	Non-monitored/monitored (10K EOL, 470R active)
Event Types Supported	Fire Alarm, Test Alarm, Plant Alarm, Pre-Alarm, Fault and Disablement

Order Codes and Options

Mxp-547(F)*:	Pager Interface Card
Mxp-547-BX:	Pager Interface Card (Boxed)
(F)*:	Add F - Fitted (Except Mx-4100, Mx-5101)

Compatibility

PC-NET-011 Configuration program (MxPager) is provided for configuring the pager interface.

For compatibility tested pager systems contact your area sales representative.

Sounder Booster Card - obsolete

The Sounder Booster is a peripheral unit that utilises a standard sounder circuit (panel or loop driven), and provides increased sounder output capability.

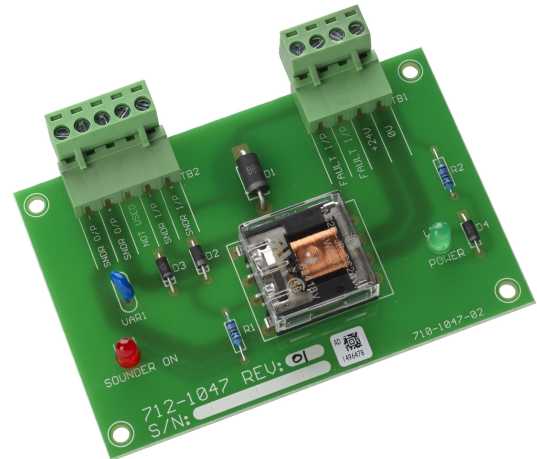
This boosted output is fully monitored for open and short circuits and will take an independent supply to provide up to 4A of sounder current to a single circuit.

On-board indication via 2 LED indicators located on the booster PCB enable the user to view when an output has been triggered and when an external power supply has been connected.

Applications / Limitations

The sounder booster is used where a single sounder output circuit of up to 4A is required.

Each of the panel's sounder outputs can only monitor a single circuit. The unit must therefore be situated at the end of the panel's sounder output circuit to maintain correct fault monitoring.



Features

- Increased sounder capability up to 4A
- On-board indication
- PSU fault input contacts
- Cost effective against ancillary hardware
- 3 year warranty as standard

Specification

Sounder Input	"SNDR I/P+" and "SNDR I/P-" connect to the input trigger (panel sounder output circuit) 1 monitored sounder circuit (total maximum load = 4A)
On board indication	1 red sounder LED. LED illuminates when the output is triggered. 1 green power LED. LED illuminates when an external supply is connected.
On board indication	Input: 230V AC 50Hz Output: 5 Amp EN54 power supply. Nominal output voltage = 27.3V DC
Current Consumption (Derived from sounder Quiescent: 0mA Driving: 17mA circuit I/P)	
Dimensions H x W x D mm	PCB only: 70 x 105 x 18

Order Codes and Options

Mxs-025:	4A Sounder Booster Card (requires a minimum 4 Amp power supply and enclosure)
----------	---

Compatibility

The Sounder Booster Card is compatible with all MxPro 4 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.

Sounder Splitter Card - obsolete

The Sounder Circuit Splitter is a peripheral unit for use with all MxPro 4 control panels.

This additional unit takes a standard sounder circuit from either a control panel or other panel-based sounder circuit controller and multiplies to provide up to 4 monitored outputs.

In operation, the additional outputs follow the output they are connected to. The circuits are fully monitored for open and short circuit and will take an independent supply to provide up to 1A per circuit.



Features

- 4 monitored outputs
- Up to 1 Amp per circuit
- Cost effective against ancillary hardware
- 3 year warranty as standard

Specification

Sounder Input	"IN+" and "IN-" - connect to the input trigger (panel sounder output circuit) "OUT+" and "OUT-" - connect to the remainder of the input sounder circuit or terminate with a 10KΩ EOL resistor.
On Board Indication	4 "red" sounder LED's - LED's illuminate when the output is triggered 4 "yellow" Fault LED's - LED's illuminate if the corresponding sounder circuit has a short or open circuit
Sounder Outputs	4 monitored sounder circuits (Total maximum load across all circuits = 1A)
Power Supply (Sounder Outputs)	Sounder output supply provided by the input (trigger) sounder circuit
Power Supply (Card)	Quiescent: 25mA Driving: 50mA
4A Splitter	
Sounder Outputs	4 x 1A rated monitored sounder circuits
Power Supply (Sounder Outputs)	Sounder output supply provided by an external 24Vdc 4A supply
Power Supply (Card)	Quiescent: 30mA Driving: 55mA

Order Codes and Options

Mxs-021:	4 Way Sounder Splitter Card
----------	-----------------------------

Compatibility

The Sounder Splitter Card is compatible with all MxPro 4 control panels.

Limitations

The 4-way sounder splitter card can be supplied as a PCB only for mounting. When supplied fitted in this format, the load at the outputs from the splitter will be limited to the sounder output loading of the input circuit from which it is driven.

All 4 outputs on the sounder splitter card will operate in tandem, and follow the output of the sounder circuit to which the card is connected.