MxPro5

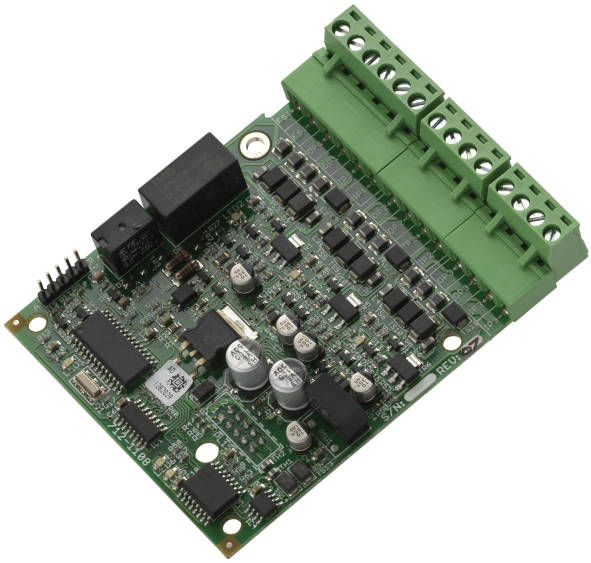
General Routing / Protection Interface

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.