

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 impedance, 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-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-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.

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