MxPro 4

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 impendence, 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)	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-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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