RIM800

Generation 6 MX Detection Range Relay Interface Module

Features
- Compatible with MX Addressable Loop on SIMPLEX 4100ESi, VIGILANT MX1 and VIGILANT MX4428 panels
- Addressable changeover volt-free relay contact
- LED indication of relay operation
- Common MX module footprint

Description
The RIM800 Addressable Relay Interface Module provides one volt-free changeover contact unsupervised output. The relay is controlled by a command sent from the MX Control and Indicating Equipment (CIE) via the MX addressable loop and may be used to signal states to other systems (e.g. security systems) or to energise loads such as Door Holders. The relay operation is determined by the CIE programming. The RIM800 has a red LED which may be configured to indicate relay activation and CIE polling.

Mounting
The RIM800 is supplied as an open circuit board (PCB) with mounting hardware and must be fitted in a suitable enclosure. It may be mounted on a gear plate using plastic standoffs, to an M520 Ancillary Cover and K2142 back box, or fitted into a D800 Ancillary Housing. The K2142 mounting box provides a convenient surface mounting enclosure and the M520 Cover is designed to accommodate the RIM800.

Address Setting
The RIM800 is shipped with a default (invalid) address of 255 and must be set to the correct loop address using the 850EMT or MX Service Tool and programming lead.

Specifications
- Loop Voltage: 20V to 40Vdc
- Quiescent Current: 285µA
- Alarm State Current: 2.8mA
- Relay Contact (maximum): 2A @ 30Vdc
- Max. RIM800 per Loop: 200/250
- Ambient Temperature: -25°C to +70°C
- Storage Temperature: -40°C to +80°C
- Relative Humidity: 10% to 95% (non cond.)

Indoor Applications Only
Dimensions (HWD): 61 x 84 x 25 mm
Wire Size (maximum): 2.5sq. mm
ActivFire Listed: VF/642
FPANZ Listed: afp-3167

Part Numbers
- RIM800: 517.035.007
- 517.035.010
- 547.004.002
- 557.201.401
- DIN Rail Mounting Brkt
- M520 Ancillary Cover
- K2142 Back Box
- D800 Ancillary Housing

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1. Addressable loop voltage provided by MX CIE. 2. With LED on. 3. Relay current is for resistive load. 4. MX4428/MX1. Refer to appropriate manual: LT0273 (MXP), LT0360 (MX1-NZ), LT0441 (MX1-Au) for design specifications.
Wiring

RIM800 wiring:

Mounting

RIM800 fitted to M520 Cover.