

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

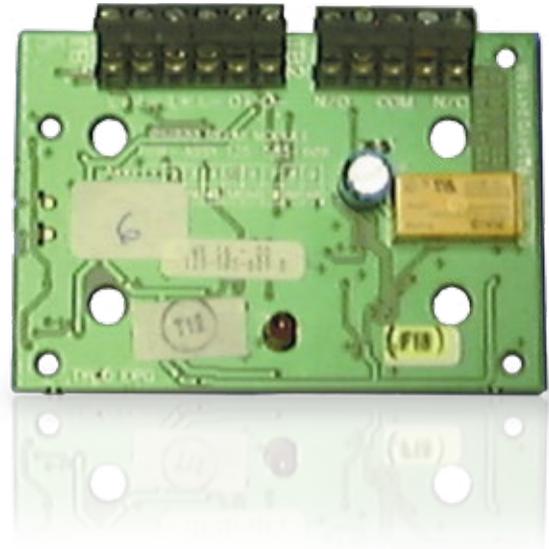
The RIM800 Addressable Relay Interface Module provides one volt-free changeover contact unsupervised output. The relay is controlled by a command sent from the *MX* Control and Indicating Equipment (CIE) via the *MX* addressable loop and may be used to signal states to other systems (e.g. security systems) 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 ¹	20V to 40Vdc
Quiescent Current	285µA
Alarm State Current ²	2.8mA
Relay Contact ³ (maximum)	2A @ 30Vdc
Max. RIM800 per Loop ⁴	200/250
Ambient Temperature	-25°C to +70°C
Storage Temperature	-40°C to +80°C
Relative Humidity	10% to 95% (non cond.)
<i>Indoor Applications Only</i>	
Dimensions (HWD)	61 x 84 x 25 mm
Wire Size (maximum)	2.5sq. mm
ActivFire Listed	afp-3167
FPANZ Listed	VF/642

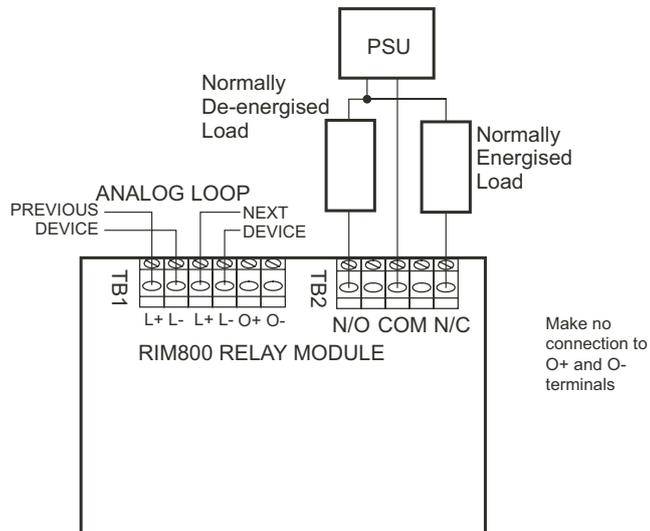
Part Numbers

RIM800	RIM800 PCB
517.035.007	M520 Ancillary Cover
517.035.010	K2142 Back Box
547.004.002	DIN Rail Mounting Brkt
557.201.401	D800 Ancillary Housing

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.

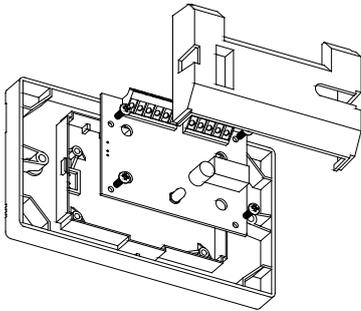
Wiring

RIM800 wiring:



Mounting

RIM800 fitted to M520 Cover.



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VIGILANT, a respected regional brand of Johnson Controls, is a technology leader in the Australian and New Zealand fire detection markets with AS and NZS product approvals. The VIGILANT product line includes a comprehensive range of *MX TECHNOLOGY* fire detection products and the market-leading QE90 voice evacuation systems. VIGILANT product is widely supported throughout Australia and New Zealand by a network of installation companies, service companies and distributors.

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