VIO800

Generation 6 *MX* Detection Range VESDA Input/Output Module

Features

- Compatible with *MX* Addressable Loop on SIMPLEX 4100ESi and VIGILANT *MX1* panels
- Three configurable inputs and two relay outputs from latching relays
- LED indication of relay operation
- Footprint otimised for use with VESDA LaserPLUS or VESDA LaserSCANNER

The VIO800 is a mechanical arrangement of the MIO800 Addressable Multi-I/O Module supplied fitted on to a mounting bracket suitable for internal installation within a VESDA LaserPLUS or LaserSCANNER. The MIO800's inputs and outputs are wired to the relay outputs and control inputs of the LaserPLUS or LaserSCANNER to allow compatible Tyco *MX* Control and Indication Equipment (CIE) to monitor and control the VESDA units.

Operation

The MIO800 can communicate the following signals from / to the VESDA units:

- Input 1 – Fire[1] and Urgent Fault
- Input 2 – Action and Minor Fault
- Input 3 – Alert and PSU Fault
- Output 1 – Reset (optional)

The Reset signal allows alarms and faults latched on the VESDA unit to be reset from the CIE should this be required. Interrupt operation can be enabled on Inputs 1 and 2 for faster signalling of alarms to the CIE.

Mounting

The MIO800 is supplied on a metal bracket suitable for mounting behind the left hand cover of all models of the LaserPLUS and those models of LaserSCANNER that have seven relays. If the VESDA unit has Fire OK LEDs on the left hand cover, this panel will need to be moved to the middle or right hand position. Wiring will need to be supplied and terminated on the appropriate screw terminals in the VESDA unit.

Specifications (excludes VESDA unit)

Loop Voltage[1]	20V to 40Vdc
Quiescent Current	480µA
Operated Current (LED on)	3mA
Max. VIO800 per Loop[2]	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)	72 x 110 x 18 mm
Wire Size (maximum)	2.5sq. mm
ActivFire Listing	afp-2320
FPANZ Listing	VF/655
Part Number	516.018.014

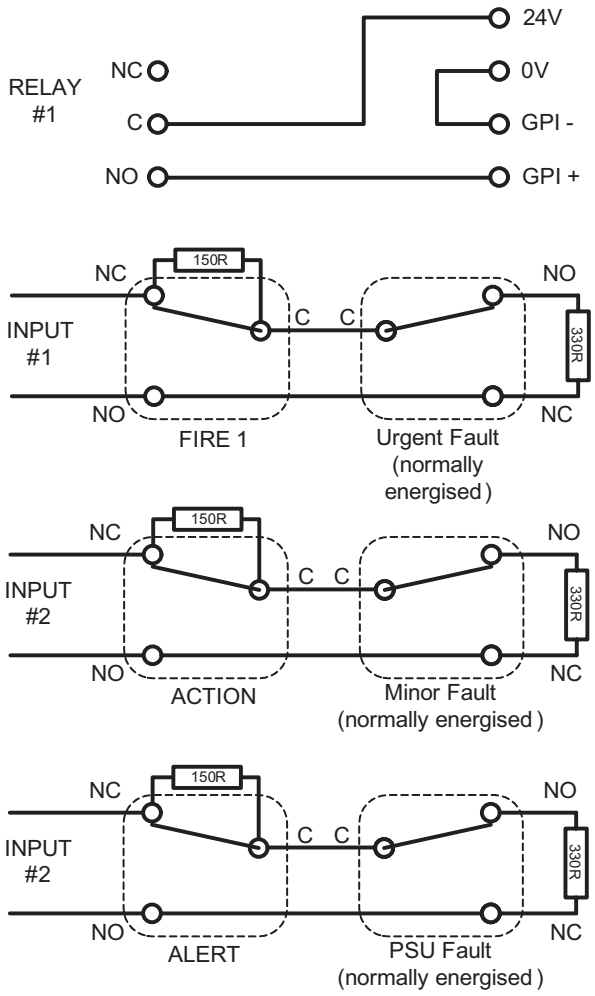
1. Addressable loop voltage provided by *MX* CIE.
2 . For use with *MX1*. Refer to appropriate manual: LT0360 (*MX1*-NZ), LT0441 (*MX1*-Au) for design specifications.

Address Setting

The MIO800 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.

Wiring

VIO800 wiring diagrams – wiring of MIO800 to LaserPLUS and LaserSCANNER



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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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