VIO800

Generation 6 *MX* Ancillaries Range VESDA I/O Module

Features

// Interfaces VESDA LaserPLUS or LaserSCANNER to *MX* Addressable Loop

// 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

// Mounts in VESDA unit

Description

The VIO800 is an arrangement of the MIO800 Addressable Multi-I/O Module supplied fitted on to a mounting bracket suitable for 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 unit.

Operation

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

- Input 1 – Fire1 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
Part Number	516.018.014

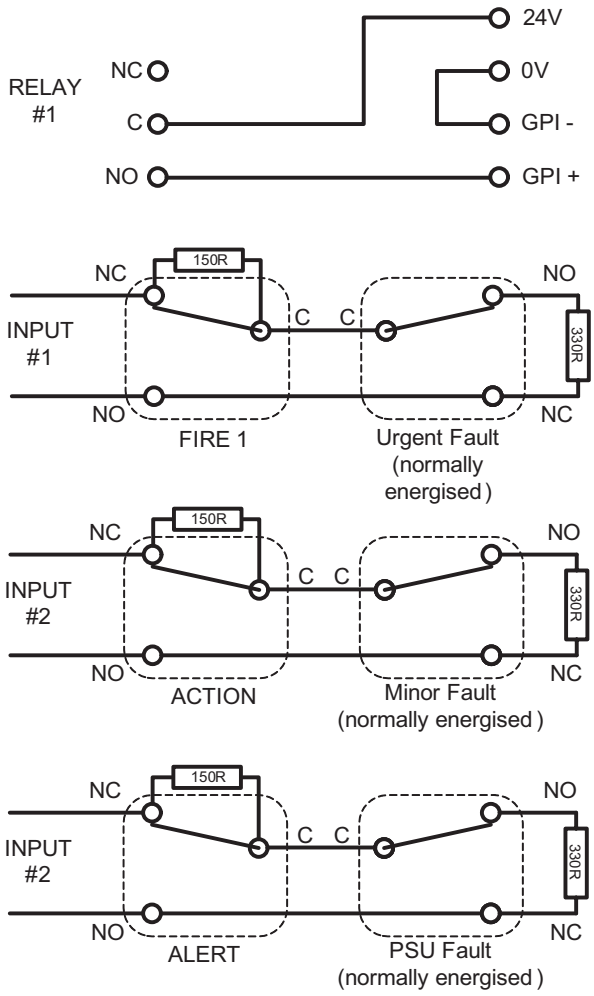
1. Addressable loop voltage provided by *MX* CIE.
2 . For use with *MX1* and 4100ESi. Refer to appropriate manual: LT0360 (*MX1*-NZ), LT0441 (*MX1*-Au), LT0638 (4100ESi) for design specifications.

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.

Wiring

VIO800 wiring diagrams - wiring of MIO800 to LaserPLUS and LaserSCANNER



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