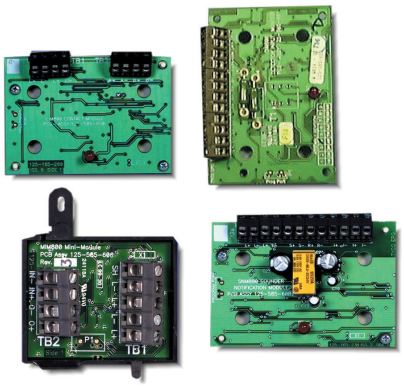
ZETTLER

Extensive Range of Loop Ancillary Devices

MZX Technology supports an extensive range of ancillary modules, specifically designed for use with the MZX and PROFILE range of fire controllers. The ancillary modules enable a wide degree of systems application flexibility allowing the field addressable loop from the control panel to both receive inputs to the system and control outputs from it. This broad range allows the scope of the fire detection system to be significantly extended beyond a simple fire detector and alarm sounder based system.



Features

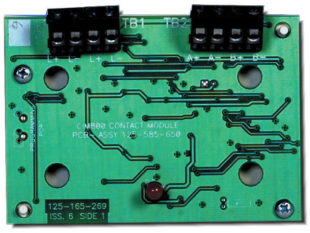
- Digital communication and control interface to MZX Technology fire controllers – Reliable performance including critical automatic monitoring functions
- EN54 -13 approved ancillaries – Independently assessed for system compatibility
- Wide range of input and output devices – Perform an assortment of monitoring and fire protection control tasks
- A range of loop powered ancillary modules - Reduced installation costs
- Removes the need for separate plant control circuits – Reduced overall system cost.

BDM800 Beam Detector Module

The Beam Detector Module is designed to interface the FIRERAY 5000 beam detector to the MZX Digital Addressable Loop. The BDM800 provides power from the loop, monitors the Fire and Fault outputs of the detector and also monitors inter-connections for open and short circuit faults. The BDM800 can also be used with the FIRERAY 3000 active infrared beam detector. The considerable cost of providing local power supplies that satisfy the stringent requirements of EN54-4 is eliminated.

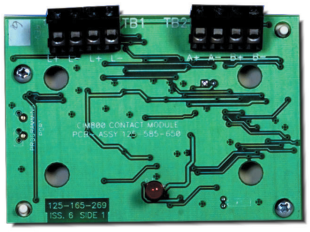
CIM800 Contact Input Module

The CIM800 is a flexible addressable input monitoring device that fits in the standard ancillary housings. The CIM800 takes a single loop address though this can be "split" and implemented as two separately wired spurs (Style B) or as a loop (Style A). Both spur and loop input wiring can be configured to monitor normally open or normally closed inputs. In addition, both can be configured to initiate either an "alarm" or "short circuit fault" message in the event of a short circuit when monitoring normally open circuits.



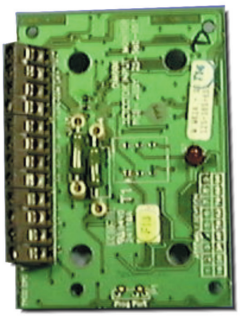
DDM800 Fire & Gas Detector Module

The DDM800 provides the ability to connect and interface 2 zones of conventional 2 wire fire detectors & callpoints or two 4-20mA sensors to the MZX or PROFILE fire alarm controllers. When used to interface conventional detection devices, both open/short circuit and device-removal monitoring is provided. Intrinsically safe (IS) detection is supported when used with a galvanic isolator. An integral line isolator is also incorporated in the module. The DDM800 can be powered from an external 24 Vdc supply or can be loop powered for conventional detector applications, providing considerable installation cost savings. The 4-20mA interface can be used to monitor devices such as gas detectors, temperature alarms or most 4-20mA interfaced device.



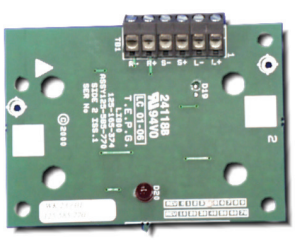
DIM800 Detector Input Module

The DIM800 is designed to power and monitor a single zone of low voltage conventional detectors. The detection circuit is powered from an external 24 Vdc supply and is reset by the MX addressable panel. The DIM800 monitors the external power and provides a fault signal if it is lost. The input detection circuit can be wired as one or two spur circuits (Class B), one loop configured circuit (Class A) or one 4 wire detection circuit.



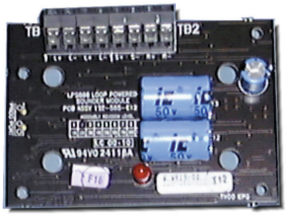
LIM800 Line Isolator Module

The LIM800 is designed to be used on MZX Technology addressable loops. It monitors the line condition and upon detection of a short circuit, isolates the affected section, whilst allowing the rest of the addressable loop to function normally. The LIM800 can be used to supplement devices that have built-in isolation to limit the number of devices lost due to a short circuit fault.



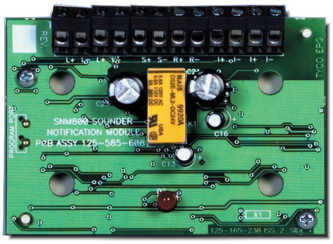
LPS800 Loop Powered Sounder Module

The LPS800 provides a single monitored sounder output circuit with up to 75 mA of power sourced from the MZX Technology addressable loop. The connected sounder circuit is monitored for open and short circuit faults and electronic over current protection built into the unit.



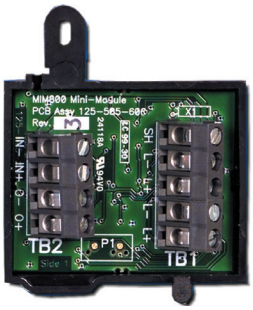
SNM800 Sounder NOTIFICATION Module

The SNM800 is a remote addressable sounder circuit output device capable of switching sounder and speaker circuits up to 2 A @ 24 Vdc or provide a monitored output facility for other applications. These can be used in addition to the two circuits provided as standard on MZX and PROFILE detection panels. The SNM800 can support sounder circuits wired as a spur (Class B – Style Y) or in a loop configuration (Class A – Style Z).



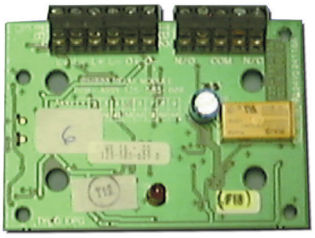
MIM800 Mini Input Module

The MIM800 is a small addressable module designed for monitoring a single input circuit. The MIM800 can monitor normally open or normally closed inputs and provides open and short circuit monitoring of the line. The MIM800 is designed for fitting in small devices such as flow switches, special detection devices and explosion proof callpoints.



RIM800 Relay Interface Module

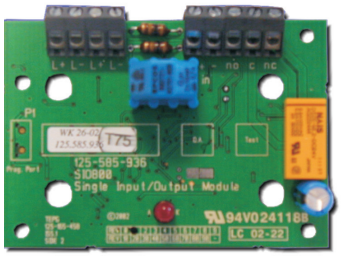
The RIM800 provides a single programmable relay output from the MZX Technology addressable loop which can be programmed for a variety of applications including signalling fire conditions to plant, machinery, fire doors, dampers & security systems. The RIM800 relay coil is monitored. The RIM800 relay contact is rated for 2 A @ 24 V dc but can be used to switch mains voltage when used with the HVR800.



HVR800 High Voltage Relay

The HVR800 is a non-addressable device which allows a low current mains rated relay to switch a load of up to 10 Amp. Alternatively a low voltage drive signal such as that provided by the RIM800 can be used to switch the integral mains relay without the need for a separate 24 Vdc supply.

SIO800 Single Input Output Module

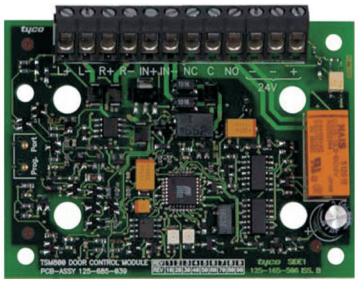


The SIO800 is designed to provide a monitored input plus a volt free relay changeover output. It consists of an input for monitoring the status of a normally open contact and a volt free changeover relay contact. The relay is controlled by a command sent from the MZX or PROFILE fire controller via the addressable loop. The state of the relay (activated, deactivated or stuck) is reported to the fire controller.

TM520 Timer Module

The TM520 provides an output that can be activated based on a delay time. If either the key-switch on the module is activated, or a predefined event within the control panel occurs then a timed delay (set between 10 minutes and 21 hours 10 minutes) is started. When the delay reaches zero the TM520 output is activated. The unit sounds an internal buzzer and shows a red LED whilst the output is active, and shows a yellow LED when the timer is counting down. To provide a warning that the delay is nearly over, the red LED and the buzzer will pulse 5 minutes before the end of the delay. The TM520 requires a separate 24 Vdc supply to operate. The module is not addressable and will therefore not take an address on the loop.

TSM800 Door Control Module



The TSM800 is used to control fire doors in accordance with local installation standards (For example in accordance with BS7273 Part 4 for class A door control). When activated either by a fire signal or by a fault or isolation within the fire door zone, the TSM800 will interrupt the supply to door holders and the doors under control of the module will close The module has the provision to monitor a contact to report to the fire controller if the door fails to close. The module also includes a built-in line isolator.

Ancillary Housings

The standard M520 ancillary cover is designed for use will MZX Technology ancillaries (Excluding the HVR800, MIM800 and TM520) and fits onto a UK style double gang 13 A socket back box. The D800 housing provides ingress protection to IP55. A DIN rail mounting bracket is also available for high density applications in larger ancillary housings.

Ancillary	No. Of Inputs	No. Of Outputs	Output Rating	No. of Addresses	Powered From	Operating Temperature	Operating Humidity	Dimensions (mm)
BDM800 Beam Detector Module	1	N/A	—	1	Loop			
CIM800 Contact Input Module	2	N/A	—	1	Loop	–25°C to +70°C	<95% RH	60 x 84 x 14
DDM800 Fire & Gas Detector Module	2	N/A	—	1	Loop or 24 Vdc	–25°C to +70°C	<95% RH	60 x 84 x 14
DIM800 Detector Input Module	1	N/A	—	1	24 Vdc	–25°C to +70°C	<95% RH	60 x 84 x 14
LIM800 Line Isolator Module	N/A	N/A	—	—	Loop	–25°C to +70°C	<95% RH	60 x 84 x 14
LPS800 Loop Powered Sounder Module	N/A	1	75 mA @ 24 Vdc	-	Loop	–25°C to +70°C	<95% RH	60 x 84 x 14
SNM800 Sounder Notification Module	N/A	1	2 A for Sounders	1	24 Vdc	–25°C to +70°C	<95% RH	60 x 84 x 14
MIM800 Mini Input Module	1	N/A	—	1	Loop	–25°C to +70°C	<95% RH	60 x 84 x 14
RIM800 Relay Interface Module	N/A	1	24 Vdc @ 2 A	1	Loop	–25°C to +70°C	<95% RH	60 x 84 x 14
HVR800 High Voltage Relay	N/A	1	10 V @ 24 Vdc/ 240 Vac	—	24 Vdc 24 Vac 120 Vac 240 Vac	–25°C to +70°C	<95% RH	60 x 84 x 14
SIO800 Single Input Output Module	1	1	24 Vdc @ 2 A	1	Loop	–25°C to +70°C	<95% RH	60 x 84 x 14
TM520 Timer Module	1	1	24 Vdc @ 1 A	—	24 Vdc	–25°C to +70°C	<95% RH	60 x 84 x 14
TSM800 Door Control Module	1	1	24 Vdc @ 2 A	1	Loop	–25°C to +70°C	<95% RH	87 x 148 x 14
520 Ancillary Cover	—	—	—	—	—	—	—	87 x 148 x 14
D800 Ancillary Housing	—	—	—	—	—	—	—	140 x 120 x 70
Din Rail Ancillary Mounting Bracket	—	—	—	—	—	—	—	60 x 84 x 14

ZETTLER, is a leading brand of fire detection products in the European market. The ZETTLER fire detection product line includes a wide range of EN54 CPD approved fire detection products carrying approvals and cross-listings, including VdS and NF. The ZETTLER product lines are available through ZETTLER Authorised Distributors as well as many Johnson Controls offices around the world.

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