

ZETTLER
Product
Catalogue



FIM800 Field Interface Module



The Field Interface Module FIM is the main interface for field wiring on MX detection panels and contains plug-in field wiring terminals, inter board connectors, EMC protectors and filters and general I/O electronics. The FIM801 and FIM801CV provides 1 x MZX DIGITAL loop and the FIM802 provides 2 x MZX DIGITAL loops. Each MZX DIGITAL loop can support several kilometres of loop wiring using a mixed topology using multiple loops and spurs.

The FIM provides up to 495mA of loop power to each loop to drive loop powered sounders and other loop power devices. An optional plug-in additional loop cards (XLM800-MX) provide up to 8 x MZX Digital loops.

The FIM incorporates the following local I/O connections:

- 2 x reverse polarity monitored sounder outputs
- 2 x volt free outputs (Default alarm and fault)
- 1 monitored input (eg. Day/Night changeover)
- 1 emergency alarm input
- 1 unmonitored input (eg. Class Change or Tamper)
- Full monitoring of power supply
- Ground fault monitoring
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The FIM incorporates a local I/O bus which allows the local I/O connections to be increased by 24. A variety of I/O expansion boards are available including:

- IOB800 (8 in/8 out) expansion board
- TUD800 German Transmission Unit

Features

- Interfaces to CPU & XLM modules
- 3 Download/Network & Printer ports
- Up to 2 MZX Loops

Technical Information

Dimensions:	25H x 105W x 196D mm
Weight:	156g
Power Consumption:	119mA (Quiescent) 169mA (Alarm)
Relay Outputs:	30Vdc @ 2A
Monitored inputs:	10k Ohm EOL, 3KHz in parallel
RBUS:	RS-485 , default 19.6kB, up to 1200m
Serial Ports:	RS232C, 19.6kB, up to 10m
Local I/O Expansion:	Up to 2 modules, up to 24 I/O, max. 300mm

Order Codes

542.000	FIM801 Field Interface Module with one MZX Loop Driver
542.001	FIM802 Field Interface Module with two MX Loop Drivers
557.202.000	FIM801 Field Interface Module with one MX Loop Driver
557.202.001	FIM802 Field Interface Module with two MX Loop Drivers

The FIM includes two connections to the RBUS one for the local user interface and one for connecting up to 15 remote addresses in the form of up to 2 x operator control modules (OCM800) or up to 15 multi-purpose modules (MPM800).

The FIM provides 3 configurable external serial ports:

- Port 1 Local printer
- Port 2 Configuration PC or remote diagnostics and upload/download modem
- Port 3 FSI open protocol or Network card/gateway (TLI800EN network card)

Service and Spares

Keys & Keyswitches

Part Number	Description
557.203.005	Set of spare keys for MX Panel (AL 102)
557.180.209	Keyswitch assembly for use with MX2 controllers (spare)
557.201.508	MZX Spare Key Set

Housings & Metalwork

Part Number	Description
557.201.300	BFP801 Blank Half Module - Grey Overlay
557.201.306	Standard MZX Expansion backbox and chassis plate
557.201.310	Deep MX Expansion backbox and chassis plate
557.202.000	FIM801 1-Loop Field I/F Module
557.202.001	FIM802 2-Loop Field I/F Module
557.202.007	XLM800 2-Loop Expansion Card
557.002.002	CPU800 Central Processor Unit

Power Supplies

Part Number	Description
557.202.210	PSU830 Power Supply with Loop Booster
557.201.210	Dual Power Supply Mounting Kit
557.202.050	PSM800 Temperature Sensor Mounting Kit
557.202.113	PSB to FIM Cable
557.202.608	PMM800 Power Monitor Module
557.202.609	BAQ60T24 2.5A MZX PSU
557.202.610	BAQ140T24 5A MZX PSU
557.202.611	PMM805 Power Monitor Module - 5V Repeater
557.202.612	PMM840 Power Monitor Module - 40V Loop Power
557.202.301	UGP800 AES UGA PSU Spare 24V

Indication & Expansion

Part Number	Description
557.202.013	OCM800 Operator Control Module
557.202.019	ODM800 Operator Display Module
557.202.021	ANN840 40-Way Alarm/Fault LED Module
557.202.022	ANN880 80-Way Alarm LED Module
557.202.020	COM820 20-Way Status/Command Module
557.202.601	DCM816 16 zone display PCB for MZX125/MZX16R
557.202.602	DCM832 32 zone display PCB for MZX250/251/252
557.202.603	DCM832S 32 zone display PCB for MZX251S and MZX32SR (Scandinavian)
557.202.613	DCM864R Spare Display / Control PCB for MZX 253 (64 red zonal LEDs)
557.202.614	DCM8240 240 zone display PCB for MZX254 and MZXDR
557.202.615	DCM8240S 240 zone display PCB for MZX254S and MZXSDR (Scandinavian)
557.202.604	FBF-CH Fire Brigade Display Board
557.202.028	RSM800 Power Supply
557.180.053	Isolating RS485 Chip (U16)
557.180.052	Serial Printer Driver Kit
557.201.506	MZX 16 Zone Panel / Repeater Blank Insert Set
557.201.507	MZX 32 Zone Panel / Repeater Blank Insert Set

Callpoint Key and Glasses

Part Number	Description
515.001.045	MCP Test Key
515.001.119	MCP EN54 Spare Glasses (Pk of 5)
572.068	DIN820/830 Spare Glasses (Pk of 10)
570.036	DIN Style CPs Spare Glasses (80 x 80mm)

850 Engineering Management Tool

Part Number	Description
516.800.922	MZX Service Tool spare programming lead
515.001.119	MZX Service Tool Spare Pins for Programming Lead (Pk of 10)