

FIM800 Field Interface Module



The Field Interface Module FIM is the main interface for field wiring on MZX 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 495 mA 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

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

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 (not provided on FIM 801CV)

Technical Information

Dimensions:	25H x 105W x 196D mm
Weight:	156g
Power Consumption:	119mA (Quiescent - excluding loops and operator interface) 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

557.202.000	FIM801 field interface module with one MZX loop driver
557.202.001	FIM802 field interface module with two MZX loop drivers
557.202.008	FIM801CV for Marine T2000 CV