



## FIM800 Field Interface Module



### 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 )<br>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/downloadmodem
- Port 3 FSI open protocol or Network card/gateway (TLI800EN network card)

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