AutoPulse

FMM-101 Monitor Module

Features

- Built-in type identification automatically identifies this device as a monitor module to the AUTOPULSE control unit
- Powered directly by two-wire FACP, no additional power required
- High noise (EMF/RFI) immunity
- Tinned, stripped leads for ease of wiring
- Direct-dial entry of address (01-159)*
- FlashScan™ communication protocol

Applications

Use the FMM-101 module to monitor a single device or a zone of four-wire smoke detectors, manual fire alarm pull stations, waterflow devices, or other normally-open dry-contact devices. May also be used to monitor normally-open supervisory devices with special supervisory indication at the AUTOPULSE IQ-301 or IQ-396X control unit. Monitored circuit/device is wired as an NFPA Style B (Class B) Initiating Device Circuit. A 47K ohm End-of-Line Resistor (provided) terminates the circuit.

The FMM-101 monitor module can be installed in a single-gang junction directly behind the monitored unit. Its small size and lightweight allow it to be installed without rigid mounting. The FMM-101 is intended for use in intelligent, two-wire systems where the individual address of each module is selected using rotary switches. It provides a two-wire initiating device circuit for normally-open-contact fire alarm and security devices.

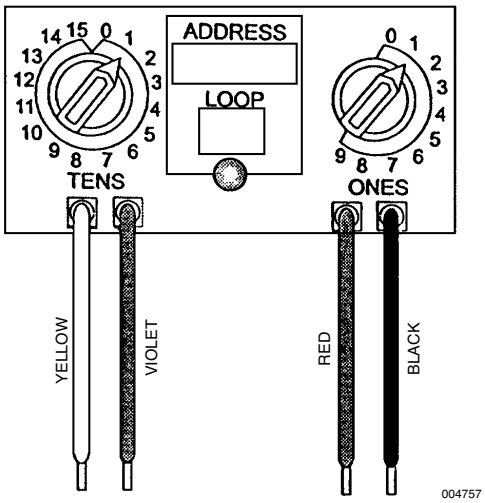
Description

The FMM-101 is a miniature monitor module used to supervise a Class B (Style B) circuit. Its compact design allows the FMM-101 to often be mounted in a single-gang box behind the device it is monitoring. The FMM-101 can be used to replace MMX-101 module, Part No. 417478, in existing systems.

Each FMM-101 uses one of 159* available module addresses on an SLC loop. It responds to regular polls from the control panel and reports its type and the status (open/normal/short) of its Initiating Device Circuit (IDC).

FlashScan (patent pending) is a new communication protocol that greatly enhances the speed of communication between analog intelligent devices. Intelligent devices communicate in a grouped fashion. If one of the devices within the group has new information, the unit's CPU stops the group poll and concentrates on single points. The net effect is response speed **greater than five times** that of earlier designs.

* 01-99 with AUTOPULSE IQ-301 and IQ-396X



Technical Information

Nominal Operating Voltage:. . . . . 15 to 32 VDC
Average Operating Current:. . . . . 375 μA (maximum)
EOL Resistance: . . . . . 47K ohms
Temperature Range: . . . . . 32 °F to 120 °F (0 °C to 49 °C)
Humidity Range: . . . . . 10% to 93% non-condensing
Wiring Length: . . . . . 6 in. (152 mm) minimum
Dimensions:
- High: . . . . . 1.3 in. (33 mm)
- Wide:. . . . . 2.75 in. (70 mm)
- Deep:. . . . . 0.5 in. (13 mm)

Installation

The FMM-101 module should be wired and mounted without rigid connections inside a standard electrical box. All wiring must conform to applicable local codes, ordinances, and regulations.

Listings and Approvals*

UL. S635
ULC CS699
▸ Factory Mutual (FM) . . . . . Approved
California State Fire Marshal (CSFM). 7300-0028:202
MEA. 457-99-E
Maryland State Fire Marshal . . . . . Permit #2020

▸ * Listings and Approvals are under NOTIFIER

Ordering Information

Part No.	Description	Shipping Weight lb.	(kg)
428098	FMM-101 Monitor Module	1	(0.45)

FlashScan is a trademark of NOTIFIER.

TYCO SAFETY PRODUCTS, MARINETTE, WI 54143-2542 715-735-7411 Form No. F-200147-1