FMM-1-ISO

Monitor Modules with FlashScan®

NOTIFIER®
by Honeywell

General

The different monitor modules are available for Notifier's intelligent control panels for a variety of applications. Monitor modules supervise a circuit of dry-contact input devices, such as conventional heat detectors and pull stations.

FMM-1-ISO is a standard-sized module (typically mounts to a 4" [10.16 cm] square box) that supervises either a Style D (Class A) or Style B (Class B) circuit of dry-contact input devices.

- Built-in type identification automatically identifies this device as a monitor module to the control panel.
- Powered directly by two-wire SLC loop. No additional power required.
- High noise (EMF/RFI) immunity.
- SEMS screws with clamping plates for ease of wiring.
- Direct-dial entry of address: 01 – 159 on FlashScan loops; 01 – 99 on CLIP loops.
- LED flashes green during normal operation (programmable option) and latches on steady red to indicate alarm.
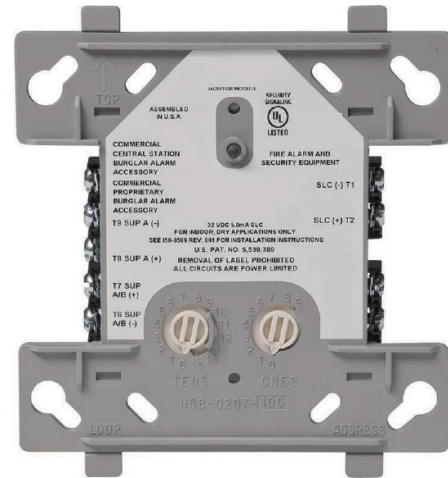
The FMM-1-ISO Monitor Module is intended for use in intelligent, two-wire systems, where the individual address of each module is selected using the built-in rotary switches. It provides either a two-wire or four-wire fault-tolerant Initiating Device Circuit (IDC) for normally-open-contact fire alarm and supervisory devices. The module has a panel-controlled LED Indicator and includes an isolation circuit, when short fault of voltage type occurs, FMM-1-ISO will cut off the connection of the devices which are in the back-end. And when the short fault removes, these devices will be reconnected. The FMM-1-ISO can be used to replace FMM-1 module in existing systems.

Applications

Use to monitor a zone of four-wire smoke detectors,manual fire alarm pull stations, waterflow devices, or other normally open dry-contact alarm activation devices. May also be used to monitor normally-open supervisory devices with special supervisory indication at the control panel. Monitored circuit may be wired as an NFPA Style B (Class B) or Style D (Class A) Initiating Device Circuit. A 47K Ohm End-of-Line Resistor (provided) terminates the Style B circuit. No resistor is required for supervision of the Style D circuit.

Operation

Each FMM-1-ISO uses one of the 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). A flashing LED indicates that the module is in communication with the control panel. The LED latches steady on alarm (subject to current limitations on the loop).

FMM-1-ISO

Specifications

Dimensions: 4 1/2″ H × 4″ W × 11/4″ D (Mounts to a 4″ square by 21/8″ deep box.)
Weight: 97.5g
Operating Temperature Range: 32°F to 120°F (0°C to 49°C)
Operating Humidity Range:10% to 93% relative humidity (non-condensing)

SLC Electrical Ratings

(Supplied by a limited energy power source)
Rated Nominal Voltage: 24V
Maximum SLC Standby Current: 600 µA (@24V)
Maximum Alarm Current: 17 mA (LED on)
Maximum IDC Wiring Resistance:1,500 Ohms
Maximum IDC Voltage: 11 Volts
Maximum IDC Current: 450µA

Isolator Electrical Ratings

Maximum Current Draw: 17mA device in isolation
Maximum Load Current: 1A
Maximum ON Resistance: 80mΩ @24VDC
Standard: UL864
Wire range for the terminals：14-24 AWG (Terminals are suitable for "Field Wiring" and "Multi-conductors".)
Software：A

Intelligent/ Addressable Devices

Installation

To ensure proper operation, this module shall be connected to a compatible Notifier system control panels only (list available from Notifier).

The FMM-1-ISO mounts directly to a standard 4" (10.16 cm) square, 2.125" (5.398 cm) deep, UL listed electrical boxes . The box must have a minimum depth of 21⁄8 inches. The module should be installed according to the NFPA 70-National Electrical Code and NFPA 72-National Fire Alarm Code.

Mounting installation instructions are provided . All wiring must conform to applicable local codes, ordinances, and regulations. This module is intended for power-limited wiring only.

Agency Listings and Approvals

In some cases, certain modules may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.
• **UL**: S635.

Ordering Information

Model #	Product description
FMM-1-ISO	Intelligent monitor module with built-in isolator, flashscan

Note:

For installation instructions, see the following documents:
• FMM-1-ISO Installation document I56-1233-000

ISO 9001
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QUALITY SYSTEMS

This document is not intended to be used for installation purposes.
We try to keep our product information up-to-date and accurate.
We cannot cover all specific applications or anticipate all requirements.
All specifications are subject to change without notice.
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