FMM-1, FMM-101, FZM-1 & FDM-1

Monitor Module

NOTIFIER® by Honeywell

Intelligent/Addressable Devices

General

Four 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 manual call points, or monitor and power a circuit of two-wire smoke detectors.

FMM-1 Monitor Module

Is a standard-sized module that supervises a circuit of dry-contact input devices.

The FMM-1 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. The FMM-1 can be used to replace MMX-1 modules in existing systems.

Features

- 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.
- Direct-dial entry of address: 01 – 159 on FlashScan loops; 01 – 99 on CLIP loops.
- LED flashes green during normal operation (this is a programmable option) and latches on steady red to indicate alarm.
- Compatible with FlashScan® and CLIP protocol systems



FMM-1, FZM-1, FDM-1



FMM-101

Applications

Use to monitor a zone of four-wire smoke detectors, manual call points, 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.

FMM-101 Mini Monitor Module

Is a miniature monitor module a mere 3.302 cm (H) x 6.985 cm (W) x 1.270 cm (D) that supervises a circuit of dry-contact input devices. Its compact design allows the FMM-101 to often be mounted behind the device it monitors.

The FMM-101 Mini Monitor Module can be installed in a single-gang junction box directly behind the monitored unit. Its small size and light weight 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. The FMM-101 can be used to replace MMX-101 modules in existing systems.

Features

- 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.
- Direct-dial entry of address: 01 – 159 on FlashScan loops; 01 – 99 on CLIP loops.
- Tinned, stripped leads for ease of wiring.

Applications

Use to monitor a single device or a zone of four-wire smoke detectors, manual call points, 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 control panel.

FZM-1 Interface Module

Is a standard-sized module that monitors and supervises compatible two-wire, 24 volt, smoke detectors on a circuit.

The FZM-1 Interface Module is intended for use in intelligent, addressable systems, where the individual address of each module is selected using built-in rotary switches. This module allows intelligent panels to interface and monitor two wire conventional smoke detectors. It transmits the status (normal, open, or alarm) of one full zone of conventional detectors back to the control panel. All two-wire detectors being monitored must be compatible with the module.

Features

- Supports compatible two-wire smoke detectors.
- High noise (EMF/RFI) immunity.
- Direct-dial entry of address: 01 – 159 on FlashScan loops; 01 – 99 on CLIP loops.
- LED flashes during normal operation; this is a programmable option.
- LED latches steady to indicate alarm on command from control panel.

Applications

Use the FZM-1 to monitor a zone of two-wire smoke detectors.

FDM-1 Dual Monitor Module

Is a standard-sized dual monitor module that monitors and supervises two independent two-wire dry-contact initiating device circuits (IDCs) at two separate, consecutive addresses in intelligent, two-wire systems.

The FDM-1 automatically assigns itself to two addressable points, starting with the original address. For example, if the FDM-1is set to address “26”, then it will automatically assign itself to addresses “26” and “27”.

NOTE: “Ones” addresses on the FDM-1 are 0, 2, 4, 6, or 8 only. Terminals 6 and 7 use the first address, and terminals 8 and 9 use the second address.

Features

- Supports compatible two-wire smoke detectors.
- High noise (EMF/RFI) immunity.
- LED flashes during normal operation; this is a programmable option.
- LED latches steady to indicate alarm on command from control panel.

Applications

It provides two independent two-wire initiating device circuits (IDCs) at two separate, consecutive addresses. It is capable of monitoring normally open contact fire alarm and supervisory devices; or either normally open or normally closed security devices.

SPECIFICATIONS

FMM-1

Nominal Operating Voltage:	15 to 32 VDC.
Maximum Current Draw:	5.0 mA (LED on).
Average Operating Current:	350 µA (LED flashing), 1 communication every 5 seconds, 47k EOL.
Maximum IDC Wiring Resistance:	40 ohms.
EOL Value:	47K ohms.
Temperature range:	0°C to 49°C.
Humidity range:	10% to 93% noncondensing.

FMM-101

Nominal Operating Voltage:	15 to 32 VDC.
Average Operating Current:	350 µA, 1 communication every 5 seconds, 47k EOL; 600 µA Max. (Communicating, IDC Shorted).
Maximum IDC Wiring Resistance:	40 ohms.
Maximum IDC Voltage:	11 Volts.
Maximum IDC Current:	400 µA.
EOL Value:	47K ohms.
Temperature range:	0°C to 49°C.
Humidity range:	10% to 93% noncondensing.

FZM-1

Nominal Operating Voltage:	15 to 32 VDC.
Maximum Current Draw:	5.1 mA (LED on).
Maximum IDC Wiring Resistance:	25 ohms.
Average Operating Current:	300 µA, 1 communication and 1 LED flash every 5 seconds, 3.9k eol.
EOL Value:	3.9K ohms.
External supply voltage (between Terminals T3 and T4):	DC voltage: 24 volts power limited. Ripple voltage: 0.1 Vrms maximum. Current: 90 mA per module maximum.
Temperature range:	0°C to 49°C.
Humidity range:	10% to 93% noncondensing.

FDM-1

Normal Operating Voltage Range:	15 to 32 VDC.
Maximum Current Draw:	6.4 mA (LED on).
Average Operating Current:	750 µA (LED flashing).
Maximum IDC Wiring Resistance:	1,500 ohms.
Maximum IDC Voltage:	11 Volts.
Maximum IDC Current:	240 µA
EOL Value:	47K ohms.
Maximum SLC Wiring Resistance:	40 Ohms.
Temperature Range:	0° to 49°C.
Humidity Range:	10% to 93% (non-condensing).

Ordering Information

FG-05-026	FMM-101 Single switch input mini-module
FG-05-027	FMM-1 Single switch input module
FG-05-028	FDM-1 Dual switch input module
FG-05-029	FZM-1 Single conventional zone interface module

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