NOTIFIER®

FZM-1 Interface Module

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Specifications

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	5.1 mA (LED on)
Average Operating Current:	270µA (LED flashing)
EOL Resistance:	3.9K Ohms
Maximum IDC wiring resistance:	25 Ohms
External Supply Voltage (between Terminals T3 and T4)	
DC Voltage:	18-28 volts power limited (19 to 28VDC when used with MTL isolator model MTL3043 in intrinsically safe applications)
Ripple Voltage:	0.1 Volts RMS maximum
Current:	90mA per module
Temperature Range:	32˚F to 120˚F (0˚C to 49˚C)
Humidity:	10% to 93% Noncondensing
Dimensions:	4 1/2 H x 4 W x 1 1/4 D (Mounts to a 4 square by 2 1/8 deep box.)
Accessories:	SMB500 Electrical Box

Before Installing

This information is included as a quick reference installation guide. Refer to the control panel installation manual for detailed system information. If the modules will be installed in an existing operational system, inform the operator and local authority that the system will be temporarily out of service. Disconnect power to the control panel before installing the modules.

NOTICE: This manual should be left with the owner/user of this equipment.

General Description

The FZM-1 Interface 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. 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 UL compatible with this module. The FZM-1 has a panel controlled LED indicator and can be used to replace an MMX-2 module in existing systems.

Compatibility Requirements

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

Mounting

The FZM-1 mounts directly to 4 square electrical boxes (see Figure 2A). The box must have a minimum depth of 2 1/8 . Surface mounted electrical boxes (SMB500) are available from Notifier

Wiring

NOTE: All wiring must conform to applicable local codes, ordinances, and regulations. This module is intended for power-limited wiring only.

1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams.
2. Set the address on the module per job drawings.
   Note: Some panels support extended addressing. In order to set the module above address 99 on compatible systems, carefully remove the stop on the upper rotary switch with thumb in the direction shown in Figure 1.
3. Secure module to electrical box (supplied by installer), as shown in Figure 2A.

Figure 1. Removing Rotary Switch Stop:

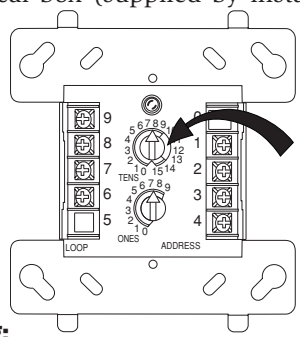

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Figure 2A. Module mounting:

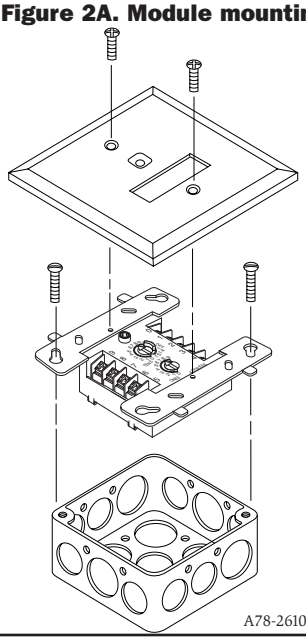

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Figure 2B:

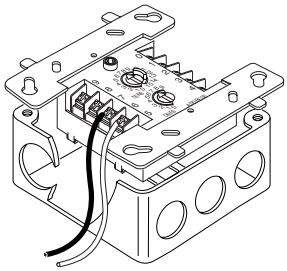

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Figure 3. Interface two-wire conventional detectors, NFPA Style B:

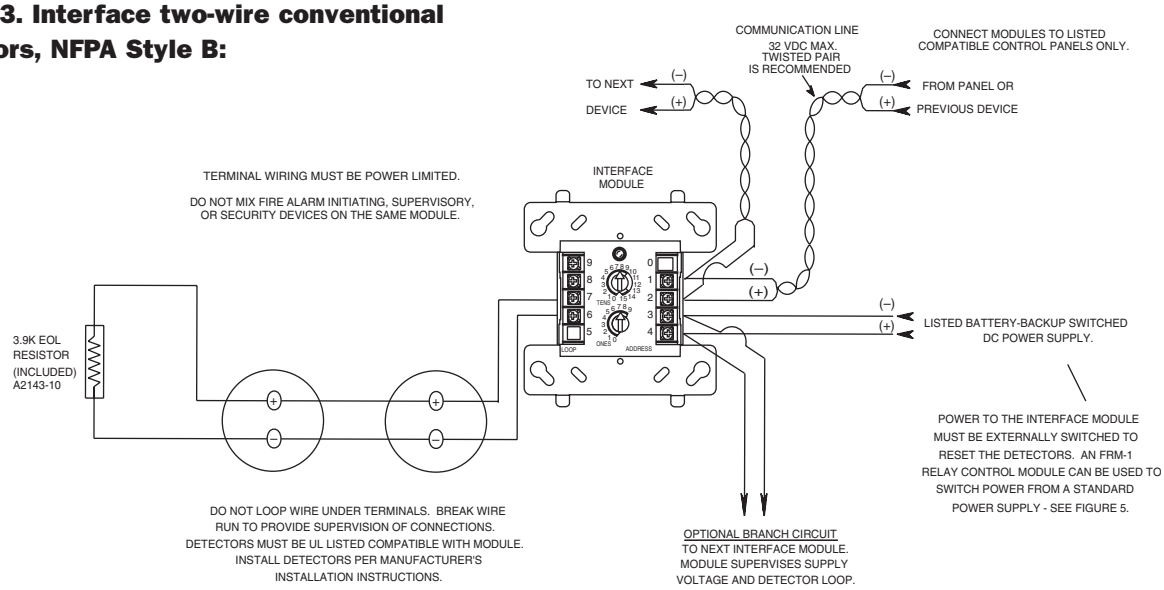

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Figure 4. Interface two-wire conventional detectors, NFPA Style D:

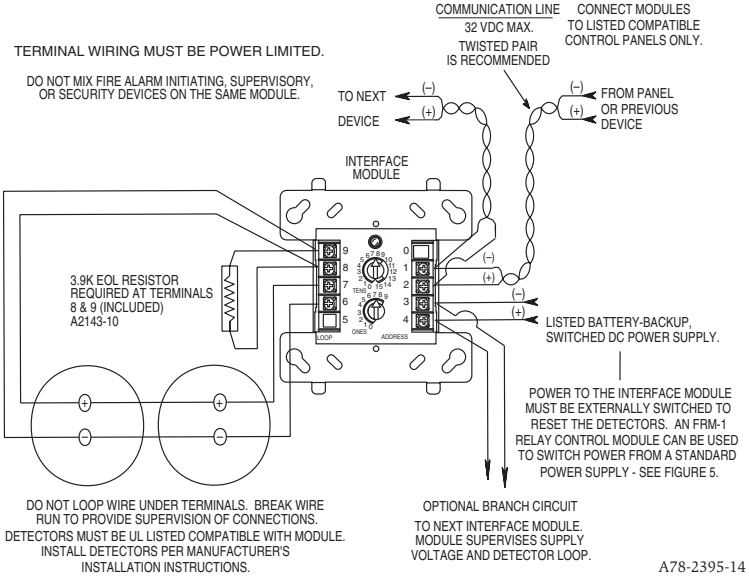

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Figure 5. Relay control module used to disconnect a power supply:

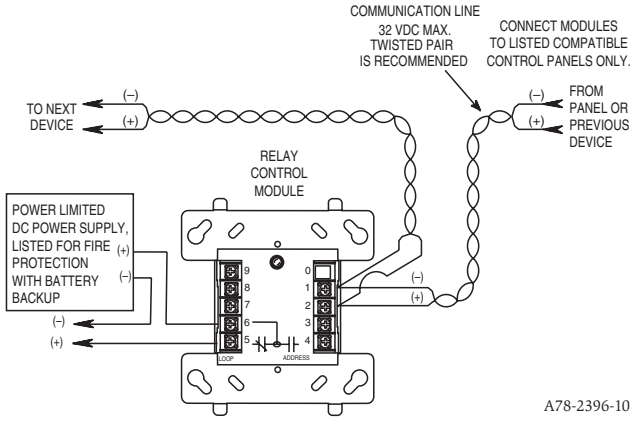

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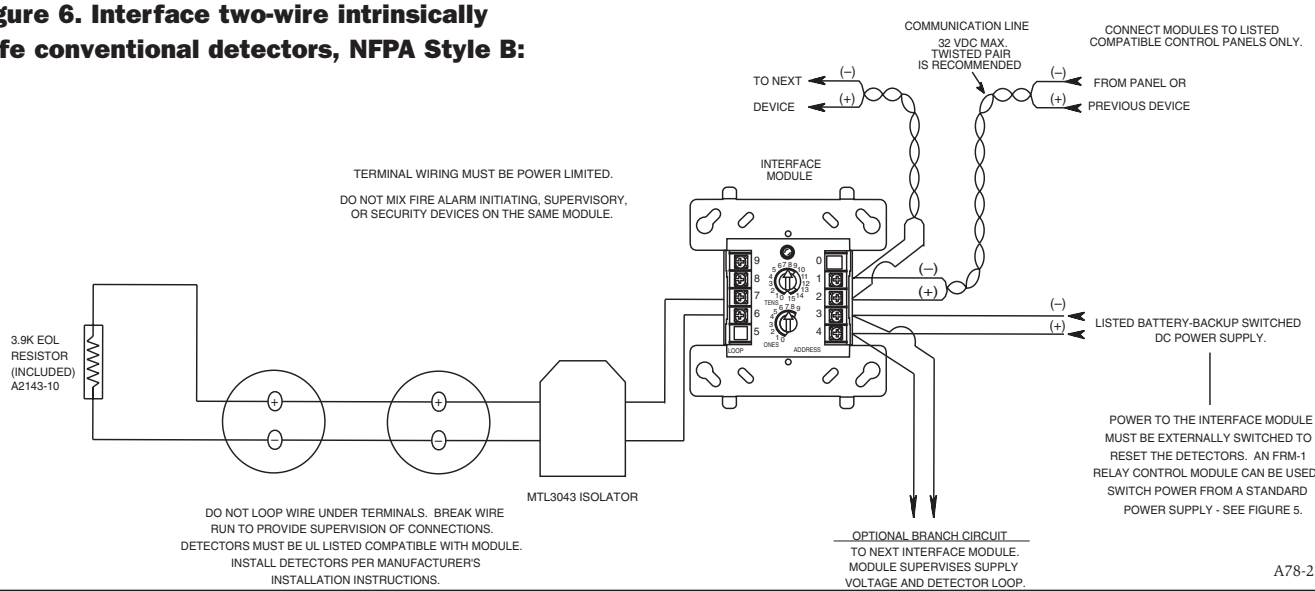
Figure 6. Interface two-wire intrinsically safe conventional detectors, NFPA Style B:



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