

MMF-300 Monitor Module Installation Instructions

Specifications

Normal Operating Voltage:	15 to 32 VDC
EOL Resistance:	47K Ohms
Maximum IDC Resistance:	1,500 Ohms
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 MMF-300 Monitor Module is intended for use in addressable, two-wire systems, where the individual address of each module is selected using the built-in rotary switches. It provides either a 2-wire or 4-wire fault tolerant Initiating Device Circuit (IDC) for normally open contact fire alarm or supervisory devices. The module has a panel controlled LED indicator. The MMF-300 can be used to replace an M300 module in existing systems.

Compatibility Requirements

To ensure proper operation, these modules shall be connected to listed compatible system control panels only.

Mounting

The MMF-300 mounts directly to 4" square electrical boxes (see Figure 2). The box must have a minimum depth of 2 1/8". Surface mounted electrical boxes (SMB500) are available.

Wiring

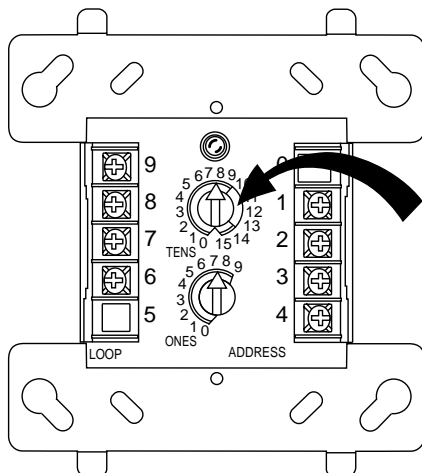
NOTE: All wiring must conform to applicable local codes, ordinances, and regulations. This module is intended for power limited wiring only.

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 Fire•Lite compatible systems, carefully remove the stop on the upper rotary switch with thumb in the direction shown in Figure 1.

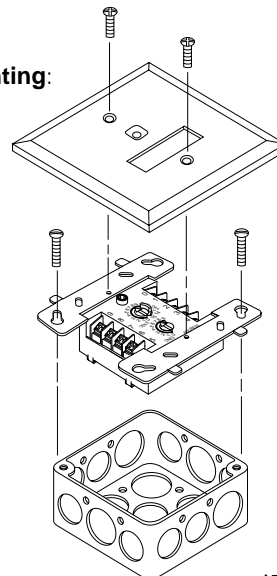
3. Secure module to electrical box (supplied by installer), as shown in Figure 2.

Figure 1. Controls and indicators:



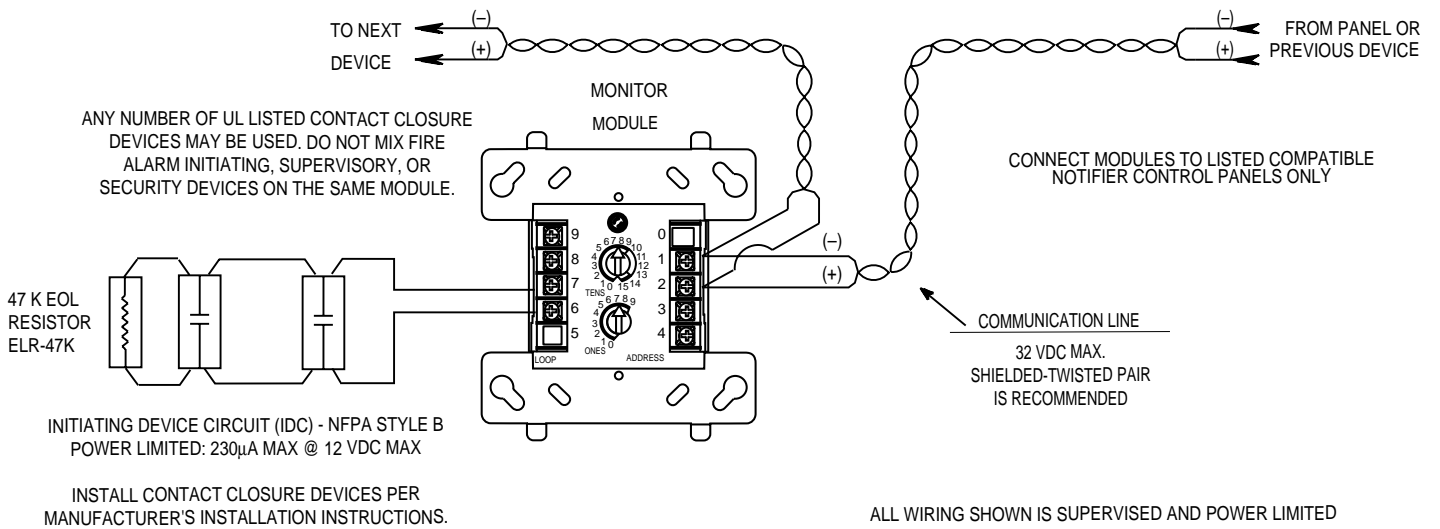
A78-2318-07

Figure 2. Module mounting:



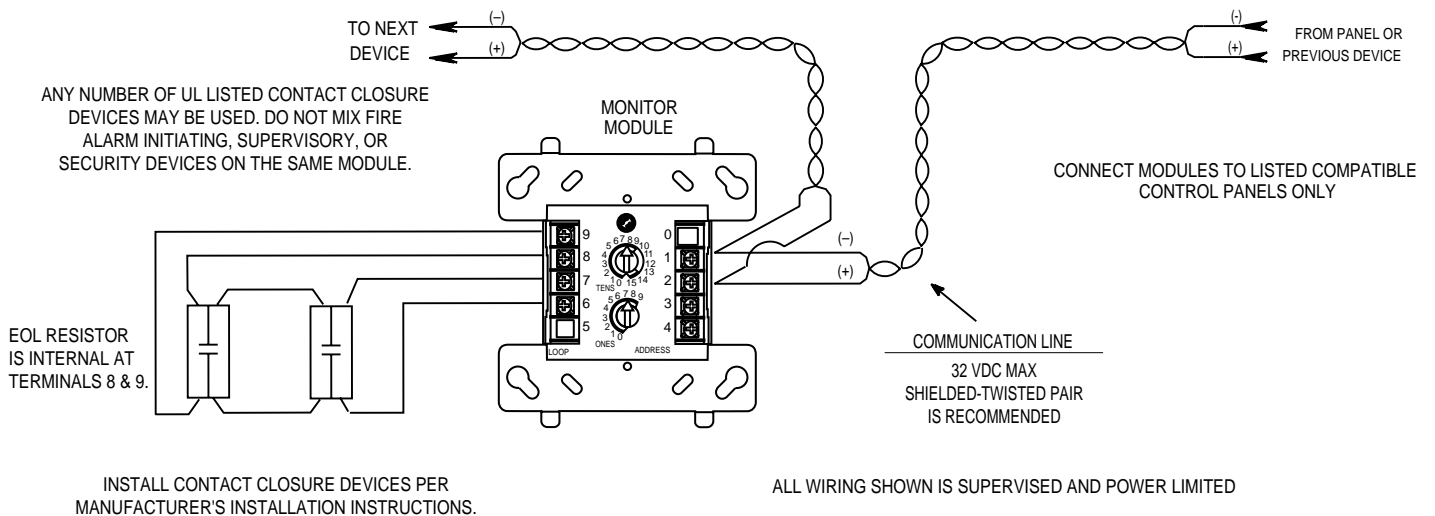
A78-2610-10

Figure 3. Typical 2-wire Initiating Device Circuit (IDC) configuration, NFPA Style B (Class B):



A78-2280-15

Figure 4. Typical 4-wire fault tolerant Initiating Device Circuit (IDC) configuration, NFPA Style D (Class A):



A78-2281-62