

MDF-300A Dual Monitor Module

SPECIFICATIONS

Normal Operating Voltage:	15 to 32 VDC
Maximum Current Draw:	6.4 mA(LED on)
Average Operating Current:	750µA (LED flashing)
EOL Resistance:	47K Ohms
Maximum SLC wiring resistance:	40 Ohms
Maximum IDC wiring resistance:	1,500 Ohms
Maximum IDC Voltage:	11 Volts
Maximum IDC Current:	240µA
Temperature Range:	32°F to 120°F (0°C to 49°C)
Humidity:	10% to 93% Non-condensing
Dimensions:	4½ in H × 4.275 in W × 1.4 in D (Mounts to a 4" / 10.16 cm square by 2-1/8" / 5.4 cm 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.

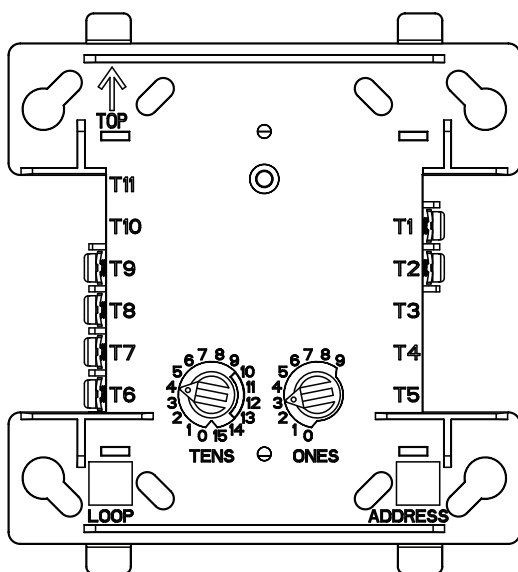
GENERAL DESCRIPTION

The Dual Monitor Module is intended for use in addressable, two wire systems. It provides two independent 2-wire initiating device circuits (IDC), 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.

COMPATIBILITY REQUIREMENTS

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

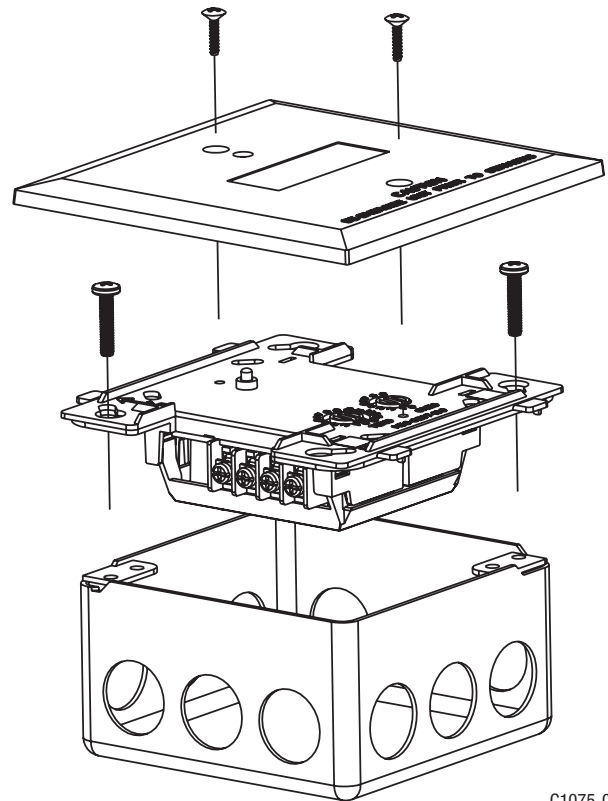
FIGURE 1. REMOVING ROTARY SWITCH STOP:



MOUNTING

Mounts directly to 4" (10.16 cm) square electrical boxes. (See Figure 2.) The box must have a minimum depth of 2½" (5.4 cm). Surface mounted electrical boxes (SMB500) are available from FireLite.

FIGURE 2. MODULE MOUNTING:



WIRING

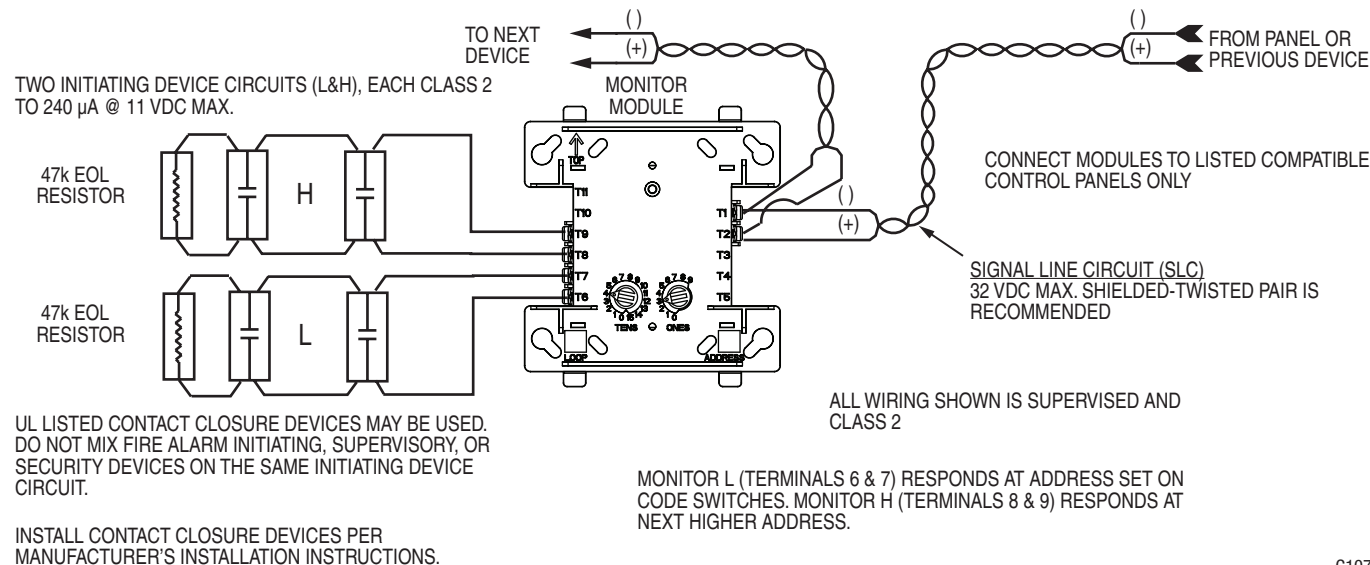
NOTE: Installation and wiring requirements shall be in accordance with CSA C22.1 and ULC S524. This module is intended for Class 2 wiring only.

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: Monitor module L (using terminals 6 and 7) responds at the address set on the code switches. Monitor module H (using terminals 8 and 9) will automatically respond at the next higher address. For example, if the code switches are set to 76, module L will respond at address 76 and module H will respond at address 77. Use caution to avoid duplicate addressing of modules on the system.

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

FIGURE 3. TYPICAL 2-WIRE INITIATING CIRCUIT CONFIGURATION, NFPA CLASS B



C1074-07A

FCC STATEMENT

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

DEVICE AND SYSTEM SECURITY

Before installing this product ensure that the tamper seal on the packaging is present and unbroken and the product has not been tampered with since leaving the factory. Do not install this product if there are any indications of tampering. If there are any signs of tampering the product should be returned to the point of purchase.

It is the responsibility of the system owner to ensure that all system components, i.e. devices, panels, wiring etc., are adequately protected to avoid tampering of the system that could result in information disclosure, spoofing, and integrity violation.