

## M500M Monitor Module

### Specifications

Normal Operating Voltage:	15 to 32 VDC
EOL Resistance:	47K Ohms
Maximum IDC wiring resistance:	40 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 M500M 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 decade switches. It provides either a 2-wire or 4-wire fault tolerant initiating circuit for normally open contact fire alarm, supervisory, or security devices. The module has a panel controlled LED indicator.

### Compatibility Requirements

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

### Mounting

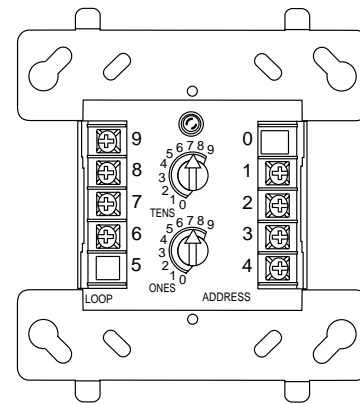
The M500M mounts directly to 4" square electrical boxes (see Figure 2A). The box must have a minimum depth of 2 1/8". Flush mounted electrical boxes (SMB500) are available from System Sensor.

### Wiring

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

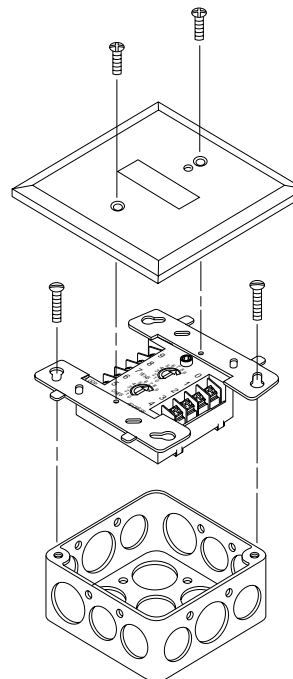
1. Install module wiring in accordance with the job drawings and appropriate wiring diagrams.
2. Set the address on the module per job drawings.
3. Secure module to electrical box (supplied by installer), as shown in Figure 2A.

**Figure 1. Controls and indicators:**



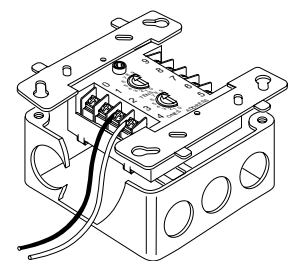
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**Figure 2A. Module mounting:**



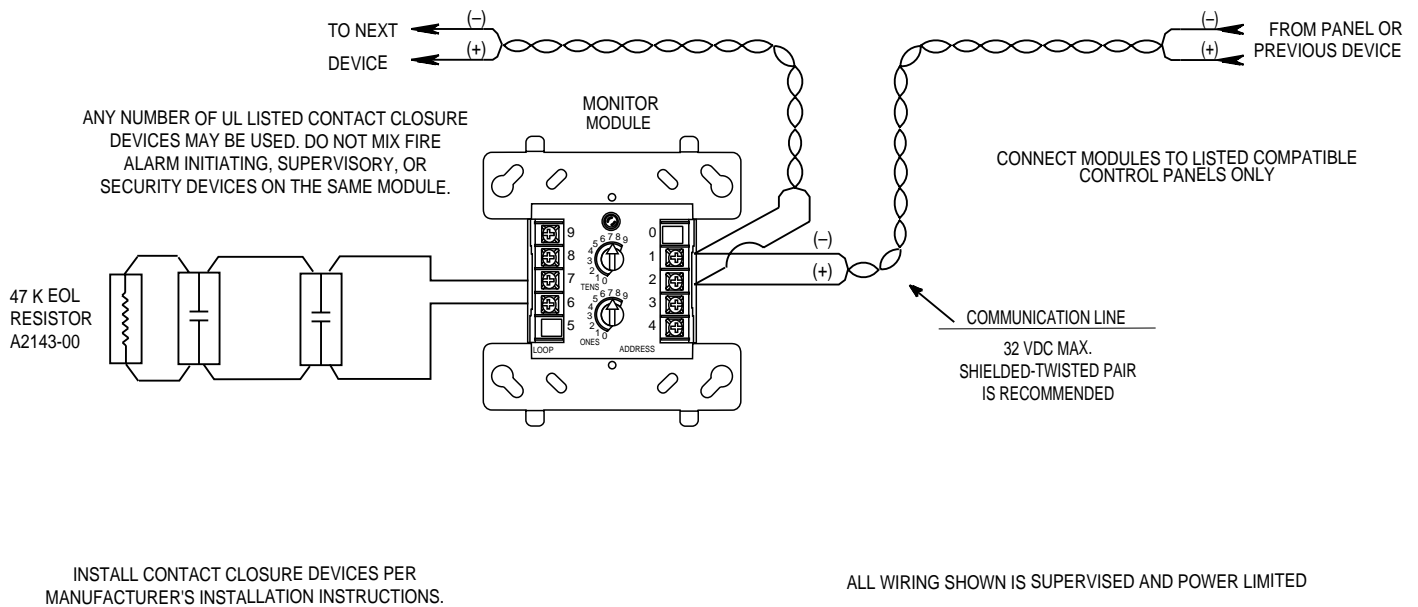
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**Figure 2B:**



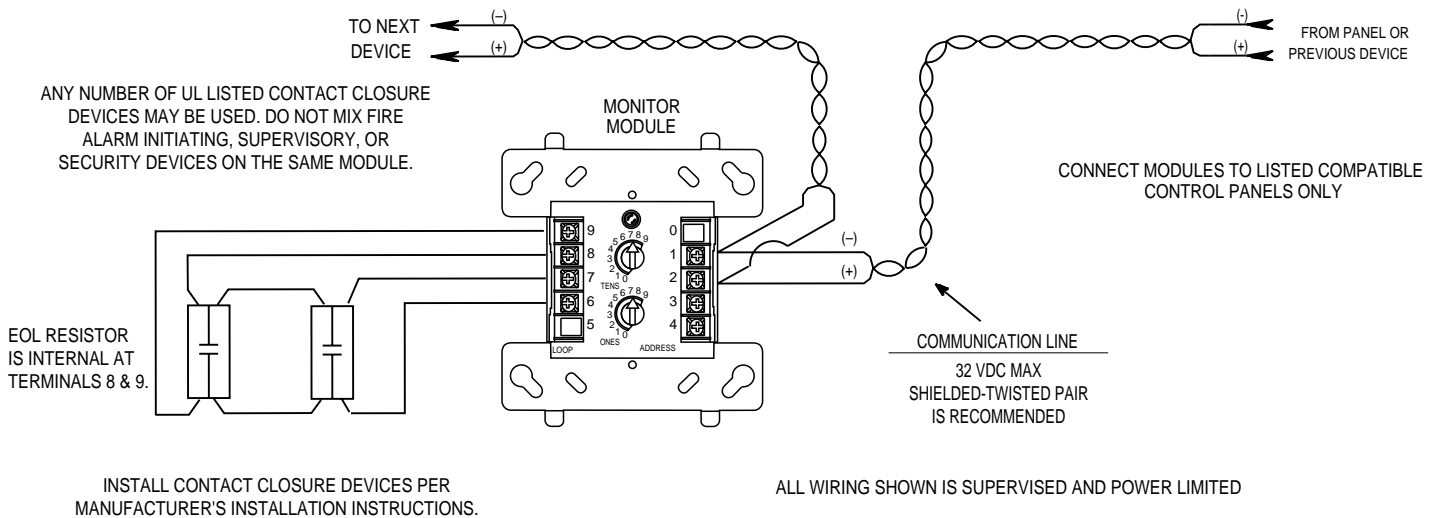
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**Figure 3. Typical 2-wire initiating circuit configuration, NFPA Style B:**



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**Figure 4. Typical 4-wire fault tolerant initiating circuit configuration, NFPA Style D:**



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**Three-Year Limited Warranty**

System Sensor warrants its enclosed module to be free from defects in materials and workmanship under normal use and service for a period of three years from date of manufacture. System Sensor makes no other express warranty for this module. No agent, representative, dealer, or employee of the Company has the authority to increase or alter the obligations or limitations of this Warranty. The Company's obligation of this Warranty shall be limited to the repair or replacement of any part of the module which is found to be defective in materials or workmanship under normal use and service during the three year period commencing with the date of manufacture. After phoning System Sensor's toll free number 800-SENSOR2 (736-7672) for a Return Authorization number, send defective units postage prepaid to: System Sensor, Repair Depart-

ment, RA # \_\_\_\_\_, 3825 Ohio Avenue, St. Charles, IL 60174. Please include a note describing the malfunction and suspected cause of failure. The Company shall not be obligated to repair or replace units which are found to be defective because of damage, unreasonable use, modifications, or alterations occurring after the date of manufacture. In no case shall the Company be liable for any consequential or incidental damages for breach of this or any other Warranty, expressed or implied whatsoever, even if the loss or damage is caused by the Company's negligence or fault. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state.