



## Features

- Designed to meet a wide range of applications
- SEMS screws for easy wiring
- Panel controlled status LED (except MIX-M501MAP)
- Rotary switches for direct-dial entry of address. Each unit can have address set for 01-159 for Advanced Protocol mode and 01-99 for CLIP mode (except MIX-M500X)
- Low standby current
- Mount in 4" square junction box

## Description

Mircom's intelligent monitor modules are designed to meet a wide range of applications. The monitor modules provide an interface to contact devices, such as, manual stations, conventional smoke or heat detectors, waterflow switches, and more. The monitor modules are addressed with easy-to-use rotary code switches.

Mircom's Advanced Protocol (AP) devices use a high speed communication protocol that greatly increases the speed of communication between the intelligent devices. Mircom's Advanced Protocol uses a superior group polling method as well as an interrupt feature that provide for a faster response to an alarm condition. In addition, the Advanced Protocol allows for greater system capacity with support for up to 318 devices per SLC circuit. The AP devices are backwards compatible to operate in CLIP mode for legacy system applications.

### MIX-M500MAP Monitor Module

Mircom's MIX-M500MAP monitor module is a standard-sized module that supervises either a Style D (Class A) or Style B (Class B) circuit of dry-contact input devices. The MIX-M500MAP 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.

### MIX-M501MAP Mini Monitor Module

The MIX-M501MAP is a miniature monitor module that supervises a Style B (Class B) circuit of dry-contact input devices. The small size of the module allows it to fit inside devices or junction boxes behind devices. The MIX-M501MAP is intended for use in intelligent, two-wire systems where the individual address of each module is selected using rotary decade switches. It provides a two-wire initiating circuit for normally open contact fire alarm and security devices.

### MIX-M502MAP Zone Interface Module

The MIX-M502MAP Zone Interface Module is a standard-sized module that monitors and supervises compatible two-wire, 24 volt, smoke detectors on a Style D (Class A) or Style B (Class B) circuit. The module allows Mircom's intelligent panels to interface and monitor two-wire conventional smoke detectors. All two-wire detectors being monitored must be UL or ULC compatible with the module. The MIX-M502MAP is addressed through the communication line of an intelligent Mircom system. It transmits the status of one zone of two-wire detectors to the fire alarm control panel. Status conditions are reported as normal, open, or alarm. The interface module supervises the zone of detectors and the connection of the external power supply.



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## M500X Isolator Module

The M500X Isolator Module is a standard-sized module that enables part of the communications loop to continue operating when a short circuit occurs on it. An LED indicator blinks in the normal condition and turns on during a short circuit condition.

The module will automatically restore the entire communications loop to the normal condition when the short circuit is removed

## Specifications

### MIX-M500MAP Monitor Module

Normal Operating Voltage	15 to 32 VDC
Max. Alarm Current (LED on)	5.0mA (LED on)
Average Operating Current	400 $\mu$ A, 1 communication every 5 sec, 47k EOL
EOL Resistance	47K Ohms
Max. IDC wiring resistance	40 Ohms
Maximum IDC Voltage	11 Volts
Maximum IDC Current	400 $\mu$ A
Temperature Range	32°F to 120°F (0°C to 49°C)
Humidity	10% to 93% Non-condensing
Dimensions	4.5" H x 4" W x 1.25" D

### MIX-M502MAP Zone Interface Module

Normal Operating Voltage	15 to 32 VDC
Maximum Alarm Current	5.1mA (LED on)
Average Operating Current	400 $\mu$ A, 1 communication and 1 LED flash every 5 seconds, 3.9k EOL
EOL Resistance	3.9K Ohms
Max. IDC wiring resistance	25 Ohms
IDC Supply Voltage	
Regulated DC Voltage	24 VDC power limited
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% Non-condensing
Dimensions	4.5" H x 4" W x 1.25" D

### MIX-M501MAP Mini Monitor Module

Nominal Operating Voltage	15-32 VDC
Max. Alarm Current	600 $\mu$ A
Average Operating Current	400 $\mu$ A, 1 communication every 5 seconds, 47k EOL
EOL Resistance	47K Ohms
Max. IDC Wiring Resistance	40 Ohms
Maximum IDC Voltage	11 Volts
Maximum IDC Current	400 $\mu$ A
Temperature Range	32°F to 120°F (0°C to 49°C)
Humidity	10% to 93% Non-condensing
Dimensions	1.3" H x 2.75" W x 0.65" D

### M500X Isolator Module

Normal Operating Voltage	15 - 32 VDC
Stand-by Current	450 $\mu$ A (not isolating)
Maximum Current Draw	17mA (device in isolation)
Temperature Range	32°F to 120°F (0°C to 49 °C)
Humidity	10 to 93% Non-condensing
Dimensions	4.5" H x 4" W x 1.25" D

## Ordering Information

Model	Description
MIX-M500MAP	Monitor Module
MIX-M501MAP	Mini Monitor Module
MIX-M502MAP	Zone Interface Module
MIX-M500X	Isolator Module

Add suffix "A" for ULC listed model.

NOT TO BE USED FOR INSTALLATION PURPOSES.



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