MRI-100 Series
Intelligent Addressable Modules

MRI-101P

MRI-100P

MRI-100S

MRI-100X

Features

- Designed to meet a wide range of applications

- For use with the Secutron MR-2350 Series Fire Alarm Control Units

- Fast response time

- Priority Interrupt feature on monitor modules

- Monitor modules can be wired as a Class A (Style D) or Class B (Style B)

- Each module can be addressed from 1 to 126

- Eight position dip switch for address setting

- Red light indicator

- Modules mount in standard 4" junction box

Description

Secutron's MRI-100 Series Intelligent Addressable Modules are designed to meet a wide range of applications. The monitor and control modules can be used to supervise and activate sounders, strobes, door closers, pull stations, waterflow switches, conventional smoke detectors and more. An eight position dip switch allows for the address setting of the device and the wiring class/style of the devices that are connected to the module. All modules mount in a standard 4" x 4" x 2 1/8" junction box.

Intelligent Addressable Priority Monitor Module (MRI-100P)
The Intelligent Addressable Priority Monitor Module (MRI-100P) provides an address for a group of UL Listed normally open (N.O.) initiating devices, such as heat detectors, beam smoke detectors, 4-wire smoke detectors, waterflow switches, manual pull stations, etc. wired in a Class A (Style D) or Class B (Style B) initiating circuit. The MRI-100P is equipped with a priority interrupt to provide a fast response to emergency conditions. The MRI-100P has an activated red LED.

Intelligent Addressable Priority Mini-Monitor Module (MRI-101P)
The Intelligent Addressable Priority Mini Monitor Module provides an address for a group of UL Listed Normally Open (N.O.) initiating devices, such as heat detectors, projected beam smoke detectors, 4-wire smoke detectors, waterflow switches, manual pull stations, etc. wired in a Class A (Style D) or Class B (Style B) initiating circuit. The MRI-101P is equipped with a priority interrupt to provide a fast response to emergency conditions. The MRI-101P has an activated red LED.

Intelligent Addressable Relay Module (MRI-100R)
The Intelligent Addressable Relay Module connects to the same loop as the initiating devices and provides two isolated sets of Form-C contacts to control a variety of normally open or normally closed contact applications cuch as fan operation and door closures. The MRI-100R has an activated red LED which follows the state of the relay contacts.

UL S8690   ULC S8690

Issue 1

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Page 1 of 2

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U.S.A. 4575 Witmer Industrial Estates, Niagara Falls, NY 14305 Telephone: (888) 695-3545 Fax: (888) 660-4113 • **E-mail:** mail@secutron.com
Catalog Number 4020 • **Not to be used for installation purposes.**

Intelligent Addressable Supervised Control Module (MRI-100S)

The MRI-100S Control module provides supervised monitoring of wiring to signal devices that require an external power supply to operate, such as horns, strobes, bells or speaker isolators. Conventional signals will require a 24 VDC power source and speakers will require an audio input. The red LED will illuminate when the module is activated. The module is capable of Class A (Style Z) or Class B (Style Y) supervision.

Fault Isolator Module (MRI-100X)

The MRI-100X Fault Isolator Module is used to protect the system against wire-to-wire short circuits on the analog loop. The modules should be spaced between groups of sensors or modules in a loop to protect the rest of the loop. In the event of a short circuit between any two fault isolator modules, both modules immediately switch to an open circuit condition and isolate any group of sensors between them. The remaining units on the circuit will continue to operate in a normal fashion (must be wired in Class 'A' or Style 6).

Specifications

General Specifications

Operating Voltage	16-28 VDC
Communication	Class A (Style D) or Class B (Style B) switch selectable
Relative Humidity	0% to 95% (No condensation or icing)

Operating Temperature	0°F to +155°F (-20°C to +70°C)
Housing/Cover Plate Finish	White Polycarbonate

MRI-100P and MRI-101P

Current Consumption	600 µA	
Alarm Current	4.6 mA (LED on)	
Dimensions	MRI-100P	4.0" W x 4.0" H x 1.3" D
	MRI-101P	3.0" W x 2.0" H x 0.75" D
Weight	MRI-100P	3.0 oz. (85.8g)
	MRI-101P	1.5 oz. (42.6g.)

MRI-100X

Current Consumption	35µA at 24V
Max. Line Current	1 Amp
Line Resistance	0.2 ohm
Dimensions	4.0" W x 4.0" H x 1.3" D
Weight	3.0 oz. (85.8g)

MRI-100S

Current Consumption	1 mA	
Source Power	Signals	24 VDC regulated
	Speakers	70.7 V RMS
Ratings	2A @ 30VDC, 0.6A @ 125VAC	
Dimensions	4.0" W x 4.0" H x 1.3" D	
Weight	3.0 oz. (85.8g)	

MRI-100R

Current Consumption	250 µA
Ratings	2A @ 30VDC, 0.6A @ 125VAC
Dimensions	4.0" W x 4.0" H x 1.3" D
Weight	3.0 oz. (85.8g)

Ordering Information

Model	Description
MRI-100P	Intelligent Addressable Priority Monitor Module
MRI-101P	Intelligent Addressable Priority Mini Monitor Module
MRI-100R	Intelligent Addressable Relay Module
MRI-100S	Intelligent Addressable Supervised Control Module
MRI-100X	Fault Isolator Module