

## SIM-100 SERIES Intelligent Addressable Modules



SIM-101P

SIM-100P



SIM-100S

SIM-100X

### Features

- Designed to meet a wide range of applications
- For use with the SFC-500 Series Fire Alarm Control Panels
- 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

Summit's SIM-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 (SIM-100P)

The Intelligent Addressable Priority Monitor Module (SIM-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 SIM-100P is equipped with a priority interrupt to provide a fast response to emergency conditions. The SIM-100P has an activated red LED.

#### Intelligent Addressable Priority Mini-Monitor Module (SIM-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 SIM-101P is equipped with a priority interrupt to provide a fast response to emergency conditions. The SIM-101P has an activated red LED.

#### Intelligent Addressable Single Relay Output Module (55000-820)

The Intelligent Addressable Single Relay Output Module connects to the same loop as the initiating devices and provides one Form-C contact to control a variety of normally open or normally closed contact applications such as fan operation and door closures.



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## Intelligent Addressable Supervised Control Module (SIM-100S)

The SIM-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.

## Specifications

### General Specifications

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

## Fault Isolator Module (SIM-100X)

The SIM-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).

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

### SIM-100P and SIM-101P

<b>Current Consumption</b>	600 µA	
<b>Alarm Current</b>	4 mA (LED on)	
<b>Dimensions</b>	SIM-100P	4.0" W x 4.0" H x 1.3" D
	SIM-101P	3.0" W x 2.0" H x 0.75" D
<b>Weight</b>	SIM-100P	3.0 oz. (85.8g)
	SIM-101P	1.5 oz. (42.6g.)

### SIM-100X

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

### SIM-100S

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

## Ordering Information

Model	Description
SIM-100P	Intelligent Addressable Priority Monitor Module
SIM-101P	Intelligent Addressable Priority Mini Monitor Module
SIM-100S	Intelligent Addressable Supervised Control Module
SIM-100X	Fault Isolator Module
55000-820	Intelligent Addressable Single Relay Output Module