

## MRI-3000 Series Intelligent Addressable Detectors



MRI-3100  
Photoelectric Smoke Detector



MRI-3200  
Multi-Sensor Smoke Detector



MRI-3300  
Thermal Sensor

### Description

Secutron's MR-3000 Series Intelligent Addressable Detectors are designed to meet a wide range of applications. The detector's address is set in its base providing a convenient and trouble free maintenance procedure. The detectors mount into a selection of base styles to accommodate installation requirements.

#### Intelligent Photoelectric Smoke Detector (MRI-3100)

The Intelligent photoelectric smoke sensor utilizes a unique optical sensing chamber that is designed to sense smoke produced by a wide range of combustion sources. The photoelectric detector is equipped with a clear LED which flashes when the detector is polled and turns on steady when the detector goes into alarm.

### Features

- Low profile design
- For use with the MR-2350 Series Fire Alarm Control Units
- Fast response time
- Automatic addressing with the MRI-ADD card
- Variety of mounting bases
- Ease of installation
- Elegant, unobtrusive design
- Digital communications

#### Intelligent Multi-Sensor Detector (MRI-3200)

The Intelligent Multi-Sensor Detector is a photoelectric smoke detector with a supplementary thermal sensor. The Multi-Sensor detector combines photoelectric smoke and thermal sensor values to provide enhanced detection performance and reduction of false alarms. Information from each sensing element is processed and conditioned by an on-board advanced technology ASIC and digitally transmitted to the FACP as a single analog value comprised of the combined responses from both the photoelectric smoke and thermal detection elements.

#### Intelligent Thermal Detector (MRI-3300)

The Intelligent Thermal Detector utilizes state of the art electronic temperature sense to provide fast and accurate temperature monitoring. The thermal detector features an adjustable temperature range that is configured from the fire alarm control unit.



S6487  
(MRI-3100  
& MRI-3200)



S6487  
(MRI-3100  
& MRI-3200)

S6486  
(MRI-3300)

S6486  
(MRI-3300)



### MRI-ADD Address Card

A unique, patented addressing method provides simple, user friendly and accurate identification of the detector location. A coded MRI-ADD card is inserted in the base. This can then be read by any Alpha Series detector once it is plugged in. Using this method, all the electronic components are in the detector but the location information is held in the base. The MRI-ADD card simplifies and speeds up installation and commissioning. Addressing errors during maintenance and service are eliminated.

## 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)

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

### MRI-3100 Photoelectric Detector

<b>Standby Current</b>	400 $\mu$ A
<b>Alarm Current LED</b>	3.4 mA

### MRI-3200 Multi-Sensor Detector

<b>Standby Current</b>	500 $\mu$ A
<b>Alarm Current LED</b>	3.5 mA

### MRI-3300 Thermal Detector

<b>Standby Current</b>	500 $\mu$ A
<b>Alarm LED Current</b>	3.4 mA
<b>Operating Temperature Range</b>	131°F to 194°F (55°C to 90°C)

## Ordering Information

Model	Description
MRI-3100	Intelligent Addressable Photoelectric Smoke Detector
MRI-3200	Intelligent Addressable Multi-Sensor Smoke Detector
MRI-3300	Intelligent Addressable Thermal Detector
MRI-ADD	Address Card for MRI-3000 Series Intelligent Bases (Package of 10)