

200 SERIES Intelligent Addressable Detectors



SII-200 Ionization Smoke Detector SIP-200 Photoelectric Smoke Detector



SIM-200 Multi-Sensor Smoke Detector SIH-200 Thermal Sensor

Features

- Low profile design
- For use with the SFC-500 Series Fire Alarm Control Panels
- Fast response time
- Automatic addressing with the SIB-ADD card
- Variety of mounting bases
- Ease of installation
- Elegant, unobtrusive design
- Digital communications

Description

Summit's 200 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 Ionization Smoke Detector (SII-200)

The Ionization smoke detector incorporates a unique dual chamber design to respond quickly and dependably to a broad range of fires. The ionization detector is equipped with a red LED which flashes when the detector is polled and turns on steady when the detector goes into alarm.

Intelligent Photoelectric Smoke Detector (SIP-200)

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.

Intelligent Multi-Sensor Detector (SIM-200)

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 (SIH-200)

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 SFC-500 Series fire alarm control panel.



S24141
(SII-200, SIP-200
& SIM-200)
S24140
(SIH-200)



7272-1665:115 (SIP-200)
7271-1655:110 (SII-200)
7270-1655:109 (SIH-200)
7272-1665:116 (SIM-200)



SIB-ADD Address Card

A unique, patented addressing method provides simple, user friendly and accurate identification of the detector location. A coded SIB-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 SIB-ADD card simplifies and speeds up installation and commissioning. Addressing errors during maintenance and service are eliminated.

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

SII-200 Ionization Detector

Standby Current	280 μ A
Alarm Current LED	4 mA

SIM-200 Multi-Sensor Detector

Standby Current	470 μ A
Alarm Current LED	4 mA

SIP-200 Photoelectric Detector

Standby Current	340 μ A
Alarm Current LED	4 mA

SIH-200 Thermal Detector

Standby Current	250 μ A
Alarm LED Current	4 mA
Operating Temperature Range	131°F to 194°F (55°C to 90°C)

Ordering Information

Model	Description
SII-200	Intelligent Addressable Ionization Smoke Detector
SIP-200	Intelligent Addressable Photoelectric Smoke Detector
SIM-200	Intelligent Addressable Multi-Sensor Smoke Detector
SIH-200	Intelligent Addressable Thermal Detector
SIB-ADD	Address Card for SII-200 Series Intelligent Detectors