

# FSV-951R Very Intelligent Early Warning (VIEW®)

## General

The NOTIFIER FSV-951R VIEW is high-sensitivity photoelectric smoke detectors designed for Very Early Warning Fire Detection and will protect valuable assets and operations where systems must remain functioning at all times.

FSV-951R VIEW detector features a smoke-sensing chamber and patented optic block designed to amplify signals from smoke, but diminish stray internal reflections that can cause false alarms. New LED technology allows this detector to achieve sensitivity levels from 0.02 percent-per-foot to 2 percent-per-foot obscuration – up to 25 times greater than a standard photoelectric detector. The extensive software processing includes multi-alert drift compensation, internal self-diagnostics, and superior transient signal rejection algorithms to produce unprecedented stability at ultra-high sensitivities across the full temperature range. This system provides point identification of the fire location through addressability and offers complete supervision of both the wiring and detector.

The VIEW detector is UL-listed and complies with the following UL standards; Canadian models comply with CAN/ULC S529:

- UL 268 listed for Open Air Protection (0.5%/ft. to 2.0%/ft. obscuration)
- UL 268 listed for Special Applications (0.02%/ft. to 0.5%/ft. obscuration)
- UL 268A listed for Duct Applications allowing both in duct and within System Sensor models DNR and DNRW duct smoke detectors

In addition, the new modern profile blends seamlessly with other 900 series detectors, which offer expanded color options to meet contemporary aesthetic demands.

VIEW is the ideal detection solution for sensitive environments that cannot tolerate even small amounts of smoke:

- Telecommunications switching facilities
- Cellular telephone infrastructure
- Integrated circuit fabrication facilities
- Computer rooms
- Traffic control centers
- Data Centers

## Features

- Superior EMI protection
- Very Early Warning Fire Detection capability
- Analog communications
- Low standby current
- Rotary address switches
- 360° visibility of device status with dual LEDs
- On-board drift compensation
- Transient rejection algorithms
- Microprocessor design
- FlashScan® or CLIP protocol communications
- New modern profile with expanded color options



FSV-951R in B300-6 Base

## Specifications

### PHYSICAL/OPERATING SPECIFICATIONS

- Dimensions:
  - Height: 2.0 inches (51 mm) installed in B300-6/-IV base
  - Diameter: 6.2 inches (156 mm) installed in B300-6/-IV base; 4.1 inches (104 mm) installed in B501-WHITE/-IV/-BL base
- Weight: 3.4 oz (95 g)
- Operating Temperature Range: 32°F to 122°F (0°C to 50°C)
- Operating Humidity Range: 10% to 93% relative humidity, non-condensing
- Air Velocity: 0 to 4,000 fpm (0 to 1219 m/minute)
- Isolator Load Rating: 0.0063\*
- Self Diagnostics: Initiated by control panel; activated by test magnet
- Smoke Sensitivity:
  - 9 levels: 0.02, 0.03, 0.05, 0.10, 0.20, 0.50, 1.00, 1.50, 2.00%/ft. obscuration (0.06, 0.10, 0.16, 0.33, 0.66, 1.65, 3.24, 4.85, 6.41%/m obscuration)
- Drift Compensation:
  - High sensitivity maintenance alert signal
  - Low sensitivity maintenance alert signal
  - Maintenance urgent signal

### ELECTRICAL SPECIFICATIONS

- Operating Voltage Range: 15 to 32 VDC
- Operating Current @ 24 VDC: 300 µA (one communication every 5 seconds with green LED blink on communication)
- Maximum Current: 4.5 mA @ 24 VDC (one communication every 5 seconds with amber LED solid on)
- Maximum Alarm Current: 2 mA @ 24 VDC (one communication every 5 seconds with red LED solid on)

## Ordering Information

Part Number			Description
White	Ivory	Black	
FSV-951R	FSV-951R-IV		High sensitivity photoelectric smoke detector (laser replacement), UL
FSV-951RA	FSV-951RA-IV		High sensitivity photoelectric smoke detector (laser replacement), ULC
<b>Bases</b>			
B501-WHITE	B501-IV	B501-BL	4" Mounting base, UL/ULC
B501-WHITE-BP			4" Flanged mounting base, bulk pack
B300-6	B300-6-IV		6" Flanged mounting base, UL
B300-6-BP			6" Flanged mounting base, bulk pack
B300A-6	B300A-6-IV		6" Flanged mounting base, ULC
B200S-WH	B200S-IV		Intelligent addressable sounder base, UL
B200SA-WH	B200SA-IV		Intelligent addressable sounder base, ULC
B200S-LF-WH	B200S-LF-IV		Intelligent addressable sounder base, low-frequency, UL
B200SA-LF-WH	B200SA-LF-IV		Intelligent addressable sounder base, low-frequency, ULC
B200SR	B200SR-IV		Intelligent sounder base, UL
B200SRA	B200SRA-IV		Intelligent sounder base, ULC
B200SR-LF	B200SR-LF-IV		Intelligent sounder base, low frequency, UL
B200SRA-LF	B200SRA-LF-IV		Intelligent sounder base, low frequency, ULC
B224RB	B224RB-IV		Relay base, UL
B224RBA	B224RBA-IV		Relay base, ULC
B224BI	B224BI-IV		Isolator base, UL
B224BIA	B224BIA-IV		Isolator base, ULC
<b>Accessories</b>			
	SMB600		Surface Mounting Kit (flanged)
TR300	TR300-IV		Trim ring
CK300	CK300-IV	CK300-BL	Color Kit (includes cover and trim ring)
	RA100Z		Remote LED annunciator, UL
	RA100ZA		Remote LED annunciator, ULC
M02-04-01			Detector test magnet
M02-09-00			Telescoping test magnet

## ACCESSORIES



**RA100Z(A)**  
Remote LED Annunciator



**CK200-BL**  
Color Kit



**TR300**  
Trim Ring

## Standards

FSV-951R high-sensitivity photoelectric smoke detectors are designed to comply with the following standards:

- UL Standard
- UL 864 9th Edition
- ULC Standard
- CAN/ULC S529

## Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult the factory for the latest listing status.

- **UL/ULC Listed:** S911
- **FM Approved:** 3062622
- **CSFM:** 7272-0028:0506



This document is not intended to be used for installation purposes.  
We try to keep our product information up-to-date and accurate.  
We cannot cover all specific applications or anticipate all requirements.  
All specifications are subject to change without notice.



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Country of Origin: Mexico