

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

General

The NOTIFIER FSV-951R VIEW is a high-sensitivity photoelectric smoke detector 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: 14 °F to 140 °F (-10 °C to 60 °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 |
| Bases | | | |
| B501-WHITE | B501-IV | B501-BL | 4" Mounting base, UL/ULC |
| B501-WHITE-BP | | | 4" 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 |
| B200SR-WH | B200SR-IV | | Intelligent sounder base, UL |
| B200SRA-WH | B200SRA-IV | | Intelligent sounder base, ULC |
| B200SR-LF-WH | B200SR-LF-IV | | Intelligent sounder base, low frequency, UL |
| B224RB-WH | B224RB-IV | | Relay base, UL |
| B224RBA-WH | B224RBA-IV | | Relay base, ULC |
| B224BI-WH | B224BI-IV | | Isolator base, UL |
| B224BIA-WH | B224BIA-IV | | Isolator base, ULC |
| Accessories | | | |
| | 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 |
| M02-04-00 | | | Detector test magnet |
| M02-09-00 | | | Telescoping test magnet |

ACCESSORIES



RA100Z(A)
Remote LED Annunciator



CK300-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
- UL 268 6th Edition
- ULC Standard
- CAN/ULC S529

Agency Listings and Approvals

These listings and approvals apply to the devices specified in this document. In some cases, certain devices 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, S1115
- **FM Approved:** 450568
- **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.

NOTIFIER

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Country of Origin: Mexico

