5193 Series
V-Plex® Addressable Smoke Detector

The Honeywell Home V-Plex Addressable Photoelectric Smoke Detectors are designed to provide open area protection and to be used with compatible UL or ULC-listed Honeywell Home control panels that support V-Plex technology. The detectors incorporate a state-of-the-art optical sensing chamber and an advanced microprocessor. Built-in Drift Compensation algorithms automatically maintain proper operation at factory calibrated detection levels, even when sensitivity is altered due to the presence of contaminants settling into the unit’s chamber. The 5193SDT/A also features a restorable, built-in, fixed temperature (135°F/57.2°C) thermal detector.

FEATURES AND BENEFITS

• **Easy Installation:** Installation is simplified by the use of a mounting base that may be pre-wired to the system, allowing the detector to be easily installed or removed for maintenance or service. (See Figure 1).

• **LED Status Indicators:** Two LEDs (green and red) provide local visual indication of the detector’s status – including normal operation, alarm, out of sensitivity and trouble conditions.

• **Test button:** This button allows the user to perform periodic testing of the detector’s circuitry and verify that the detector is within the sensitivity limits.

• **Versatile Mounting:** Mounting is made simple with the included hardware and the large mounting ports, which accommodate drywall anchors for easy surface mounting. (See Figure 1).

• **Tamper Protection and Tamper Resistance:** The detector contains a built-in tamper switch that can communicate back to the control panel in the event the detector is removed from its base. For an added level of security, the detector also includes a tamper resistant element that prevents removal from the base without the use of tools. (See Figure 1).

![Figure 1: Tamper-Resistant Feature/Wiring](image-url)
5193 Series Technical Specifications

Heat Sensor: (Model 5193SDT/A):
135°F (57.2°C); Fixed Temperature Electronic Thermistors

Operating Ambient Temperature Range:
32° to 100°F (0° to 38°C)

Operating Humidity Range:
0 to 95% RH non-condensing

Storage Temperature Range:
-4° to 158°F (-20° to 70°C)

Diameter (including base): 5.3 inches (13.46 cm)

Height (including base): 2.0 inches (5.08 cm)

Weight: 6.3 oz. (178.6 g)

Agency Listing: UL 268; CAN/ULC S531

System Voltage Range: 7-14V

Standby Current (maximum @ 12V):

LED off: 1.2mA LED on: 2.8mA

ACCESSORY (sold separately)

To measure the detector’s sensitivity, the SENS-RDR Infrared Sensitivity Reader tool (sold separately) should be used. It reduces testing time, simplifies sensitivity measurements and displays them precisely in terms of percent per foot obscuration. The SENS-RDR eliminates the need for magnets, voltmeters and ladders.

Figure 2: Position of Reader

ORDERING

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Accessory sold separately:

SENS-RDR Handheld Sensitivity Reader

For more information
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L/5193SDTD/D | 04/20
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