

5192SD/5192SDT V-PLEX™ SMOKE DETECTOR



The Honeywell 5192 Series low profile, addressable V-Plex smoke detectors deliver state-of-the-art features and benefits in a cost-effective package. These detectors are designed to provide open area coverage and are compatible with Honeywell's VISTA controls supporting V-Plex technology.

An LED on the detector will blink periodically during normal conditions, remain on steady during alarm and cease to pulse if the chamber is out of acceptable sensitivity range.

An extremely powerful feature available within the 5192 Series is the Automatic Maintenance Alert/Reporting capability – a feature normally found in today's high end analog addressable systems. The detectors continually monitor their own sensitivity levels in addition to the basic normal and alarm conditions. These HIGH and LOW SENSITIVITY signals are communicated back to the control, via the V-Plex addressable

loop, to indicate locally and at the central station that the detector may not be able to detect smoke or may false alarm. This feature works with VISTA-32FB, 128BP, 128FBP, 250BP, 250FBP, 40, 50P, 100-24 and FAP FA1600C, FA1660C and FA1700C. More important is the cost saving associated with Automatic Maintenance Reporting. The feature is an approved alternate to NFPA 72 field sensitivity calibration testing that require external test meters. This eliminates the need to schedule inspections to determine detector sensitivity/viability. Another important benefit of these V-Plex (addressable) smoke detectors is their ability to operate on existing wiring. There is no need to run special twisted pair, data grade or shielded wires, providing you with the right choice for all your retrofit applications. That equates to cost savings in time and materials!

FEATURES

- Low profile design
- V-Plex addressable loop device
- Automatic maintenance reporting
- Available with integral heat sensor
- Simple 2 wire installation
- DIP switch or serial number programmable
- Lines on existing or conventional wiring

APPLICATIONS

The 5192 Series smoke detectors are designed to provide open area coverage and are well suited for most fire detection applications. These smoke detectors are compatible with all Honeywell VISTA Fire and Burglary controls that support V-Plex addressable loop technology. These agency listed alarm initiating devices support most commercial and residential applications. They are suited for use in museums, hospitals, day care centers, retail stores, strip malls, schools, libraries, fast food chains, medical or professional office suites and in factory and warehouse environments.

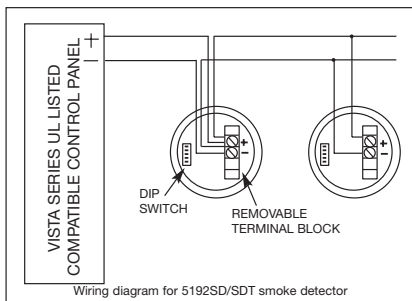
5192SD/5192SDT

V-PLEX™ SMOKE DETECTOR

SPECIFICATIONS

Installation

The 5192 Series smoke detectors are supplied with a convenient mounting bracket that allows the detector to be mounted to a variety of electrical junction boxes. A removable terminal block, that accepts 14 to 22 gauge wire to provide easy wiring connections. The detectors are designed to meet all applicable requirements for UL Commercial and Residential Fire installations as well as NFPA 72 requirements when installed in compliance with the National Electric Code and approved/listed control panels.



Wiring diagram for 5192SD/SDT smoke detector

Compatibility

These smoke detectors are compatible with all VISTA control panels that support V-Plex (addressable) polling loop technology. The detectors support DIP switch or serial number addressing. DIP switch configuration are compatible with 5140XM, VISTA-40, and VISTA-50P controls.

Serial number addressing is supported on VISTA-32FB, 128BP, 128FBP, 250BP, 250FBP, 100-24 and FAP FA1600C, FA1660C and FA1700C controls. (Refer to control panel and smoke detector installation instructions for details.)

Automatic Maintenance Reporting Compatibility

The automatic maintenance feature is compatible with the following control panels:

- VISTA-32FB
- VISTA-128BP
- VISTA-128FBP
- VISTA-250BP
- VISTA-250FBP
- FA1600C
- FA1660C
- FA1700C

The automatic maintenance may be disabled for all other controls that do not support this feature. Refer to control panel and smoke detector Installation Instructions for details.

Electrical:

- System voltage range: 7-14 V
- Standby current (maximum @ 12V):
 - LED off: 1.2mA
 - LED on: 2.8mA

Mechanical:

- Diameter: 5.5 inches (140mm) (including mounting bracket)
- Height: 1.7 inches (43mm) (including mounting bracket)
- Weight: 5.3 ounces (150 grams)

Environmental:

- Installation temperature range: 32° to 100°F (0° to 38°C)
- Installation humidity range: 10% to 93% RH, non-condensing
- Heat sensor (5192SDT only): 135°F fixed temperature electronic thermistor
- EMI: Meets or exceeds the following requirements:
 - FCC Part 15, Class B Device
 - IEC EMC Directive

Agency Listings

- UL268 Commercial System Smoke Detector
- Meets UL 217 Requirements for Residential

ORDERING

5192SD	Addressable Photoelectric Smoke Detector
5192SDT	Addressable Photoelectric Smoke Detector with Integral Heat Sensor

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