

## Duct Smoke Detector Installation Guide

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### Duct Smoke Detector Installation Guide

the installation of smoke detectors and other related requirements is intended to prevent the distribution of smoke through the supply air duct system and, preferably, to exhaust a significant quantity of smoke to the outside.

### Duct Smoke Detectors - System Sensor

1. With power source de-energized and the smoke detector not installed, wire all connections per engineering drawings. Refer to the applicable figures below depending on your duct housing model number. 2. With all wiring in place, install the detector head. 3. Energize the duct detector.

### INSTALLATION INSTRUCTIONS FOR THE DUCT SMOKE DETECTOR

2 / 6 P/N 3101210 • REV 02 • ISS 28JAN13. Installation guidelines. To ensure correct operation, install the duct detector using the following guidelines: • Install the duct smoke detector on a flat section of HVAC duct between six and ten duct widths from any bends or obstructions.

### E-PDD Duct Smoke Detector Installation Sheet

the AD2 Series smoke duct detector should be greater than 0.01 inches of water and less than 1.2 inches of water. 3) Identify a code compliant location (supply or return side, or both) for the installation of the duct unit that will permit easy access for viewing and serviceability. 4) When installing on the return side, install duct units prior

### Installation Instructions Models AD2-P, AD2-PR and AD2-XHR

1. With power source de-energized and the smoke detector not installed, wire all connections per engineering drawings. Refer to the applicable figures below depending on your duct housing model number. 2. With all wiring in place, install the detector head. 3. Energize the duct detector.

### INSTALLATION INSTRUCTIONS FOR THE DUCT SMOKE DETECTOR

Before installing the duct detector, you must verify the duct air flow and velocity. The detector is designed for use in air handling systems with air velocities between 300 ft/min and 4000 ft/ min (1.5 m/s to 20.3 m/s). Check the HVAC engineering specifications to ensure the air velocity in the duct falls within these parameters.

### Duct smoke housings, 4-wire

EXPLODED VIEW OF DUCT SMOKE DETECTOR COMPONENTS: EXHAUST TUBE WIRING COMPARTMENT WIRING COMPARTMENT COVER SAMPLING TUBE SOLD SEPERATELY SENSOR MODULE SENSOR HEAD SENSOR MODULE COVER H0569-02 Exception: Installation of duct detectors can be on or within a commercial [4.4]SECURE THE DUCT DETECTOR TO THE DUCT packaged rooftop heating and air ...

### HONEYWELL D355PL INSTALLATION AND MAINTENANCE INSTRUCTIONS ...

8 BEFORE INSTALLING Read System Sensor's Applications Guide for Duct Smoke Detectors (HVAG53), which provides information on detector spacing, placement, zoning, wiring, and special applications. This manual is available online at www.systemsensor.com. NFPA Standards 72 and 90A should also be refer- enced for detailed information.

### D4120 Duct Smoke Detector D4S Sensor Component D4P120 ...

Install smoke alarms inside each bedroom, outside each sleeping area and on every level of the home, including the basement. On levels without bedrooms, install alarms in the living room (or den or family room) or near the stairway to the upper level, or in both locations.

### Installing and maintaining smoke alarms - NFPA

The pressure differential between the input sampling (high pressure) tube, and outlet (low pressure) tube for the smoke duct detector should be. greater than 0.01 inches of water and less than 1.2 inches of water. 3) Identify a code compliant location (supply or return side, or both) for the.

### Installation Instructions Models FDBZ492, FDBZ492-R and ...

Read the System Sensor Guide for Proper Use of Smoke Detectors in Duct Applications (A05-1004), which provides information on detector spac-ing, placement, zoning, wiring, and special applications. This manual is available online at www.systemsensor.com. NFPA Standards 72 and 90A should also be referenced for detailed information.

### INSTALLATION AND MAINTENANCE INSTRUCTIONS D4120 Air Duct ...

MOUNTING THE DETECTOR. The sampling tubes may be ordered to a desired length or ordered in one of 3 standard lengths and cut per requirements. The intake sampling tube consists of a piece of steel piping with a series of holes drilled the entire length of the tube and should extend the entire width of the duct.

### INSTALLATION INSTRUCTIONS FOR THE - Fire Alarm Systems

The duct smoke detector units are designed to operate in duct widths from 6" to 10' wide with an air velocity between 500 to 4,000 feet per minute. To verify correct installation, the pressure differential between the sampling (high side) and exhaust (low side) tubes should be measured using a Magnehelic pressure gauge or equivalent.

### INST AP-191 A040908 (5M-501 Series Installation Instructions)

Duct Detectors Smoke Detection - NFPA 90A Code Requirements - This article references the current NFPA 90A "Standard for the Installation of Air-Conditioning and Ventilating Systems.". It provides basic instruction on the installation of smoke detectors inside the ductwork. NFPA 90A is specific to Air Conditioning and Heating Systems installation.

### Duct Detectors Smoke Detection - NFPA 90A Code ...

1) smoke detector supply voltage must be 120 vac. 2) wiring shown requires that the smoke detector system and the damper actuator are powered by a 120 vac supply. consult smoke detector literature when actuator requires 24 vac supply. 3) wire identification for reference only. 4" square or octagonal junction box-mounted to top inside of

### INSTALLATION INSTRUCTIONS FOR DUCT SMOKE DETECTORS MOUNTED ...

Center punch at (4) target centers: (2) "A" for sampling tubes and (2) "B" for the rectangular configuration mounting tabs as shown on mounting template. Drill pilot holes at target "A" centers and cut two 1.375 inch diameter holes using a 13/8inch hole saw or punch. Drill .156 inch diameter holes using a 5/32.

### INSTALLATION AND MAINTENANCE INSTRUCTIONS

Read the System Sensor Guide for Proper Use of Smoke Detectors in Duct Applications(A05-1004), which provides information on detector spacing, placement, zoning, wiring, and special applications. This manual is available online at www.systemsensor.com. NFPA Standards 72 and 90A should also be referenced for detailed information.

### inStAllaTion and mainTenance inSTructiOnS - Fire-Lite Alarms

Read the System Sensor Guide for Proper Use of Smoke Detectors in Duct Applications(A05-1004), which provides information on detector spacing, placement, zoning, wiring, and special applications. This manual is available online at www.systemsensor.com. NFPA Standards 72 and 90A should also be referenced for detailed information.

### d4120 duct Smoke detector d4S Sensor component d4P120 ...

DETECTOR INSTALLATION [4.1] VERIFY DUCT AIR FLOW DIRECTION AND VELOCITY Model SK-Duct detectors are designed to be used in air handling systems hav - ing air velocities of 100 to 4000 feet per minute. Duct widths from 6 inches to 12 feet can be accommodated.