

Farenhyt



Intelligent Air Duct Smoke Detector

HFS-D

The Model HFS-D Air Duct Smoke Detector with extended air speed range utilizes photoelectric technology for the detection of smoke. It provides early detection of smoke and products of combustion present in air moving through HVAC ducts in Commercial and Industrial applications.

The HFS-D is in a heavy duty gray housing with a clear cover. It features a pivoting housing that fits both square and rectangular footprints capable of mounting to a round or rectangular duct. It installs quickly and easily.

The HFS-D detectors are designed to be used in air handling systems having air velocities of 100 to 4000 feet per minute, temperatures of -4°F to 158°F, and a humidity range of 0 to 93 percent (non-condensing).

If relay functions are required, a HFS-MR can be added to the housing.

Features

- Versatile mounting options: square or rectangular configuration
- Sensor head factory installed
- Photoelectric, integrated low-flow technology (HFS-DPR detector head included)
- LED alarm indication and communication on sensor head
- Easily accessible code wheels on sensor head
- Easy to clean
- Large terminal connection screws
- Transparent cover for convenient visual inspection
- Patented sampling tube installs from front or back of the detector with no tools required
- Available space within housing to accommodate mounting of HFS-MR relay module
- Remote testing capability
- ETL and UL listed

Compatibility

The HFS-D, Honeywell Fire Systems, is compatible with the model IFP-25 Addressable fire control panel.

You cannot use SD device type protocol on the IFP-25 SLC loop.

Agency Listings



MEA
225-02-E Vol. V



Model HFS-D

Specifications

Physical

(Rectangular): 14.38" L x 5" W x 2.5" D

(Square): 7.75" L x 9" W x 2.5" D

Weight: 1.6lb (0.73kg)

Environmental

Operating Temperature: -4°F – 158°F
(-20°C – 70°C)

Humidity: 0% – 93% (non-condensing)

Air Velocity

100 to 4000 ft/min (0.5 – 20.3 m/sec.)

Electrical

Operating Voltage: 15 to 32 VDC

Standby Current: 300µA @ 24 VDC
(LED enabled)

Max Alarm Current: 6.5mA @ 24 VDC

P/N 350147 Rev C

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Ordering Information

HFS-D	Intelligent non-relay duct smoke detector (HFS-DPR included)
HFS-MR	Addressable Relay module, must be added if relay function is required (fits in housing)

Accessories

DST1	Metal Sampling Tube Duct Width up to 1'
DST1.5	Metal Sampling Tube Duct Widths 1' - 2'
DST3	Metal Sampling Tube Duct Widths 2' – 4'
DST5	Metal Sampling Tube Duct Widths 4' – 8'
DST10	Metal Sampling Tube Duct Widths 8' – 12'
HFS-DPR	Replacement Photoelectric Head for Duct Detector
DH400OE-1	Weatherproof Enclosure
ETX	Metal Exhaust Tube Duct width 1'
RA100Z	Remote LED Annunciator
RTS151	Magnetic Remote Test station
RTS151KEY	Key-Activated Remote Test station
M02-04-00	Test Magnet
P48-21-00	Replacement End Cap for Metal Sampling Tube

WARNING: Duct smoke detectors have specific limitations.

DUCT SMOKE DETECTORS ARE:

NOT a substitute for an open area smoke detector,
NOT a substitute for early warning detection, and
NOT a replacement for a building's regular fire detection system.

Refer to NFPA 72 and 90A for additional duct smoke detector application information



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by Honeywell

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. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, Please call 800-446-6444. www.farenhyt.com



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