

Features

- ▶ Remote Alarm LED may be added
- ▶ Less labor intensive
- ▶ Two wire supply, polarity insensitive
- ▶ Low standby current
- ▶ LED alarm indication on sensor head
- ▶ UL 268A Listing
- ▶ Rugged steel back box with clear cover
- ▶ Installation without cover removal (mechanical)
- ▶ Installation template included
- ▶ Large terminal connection screws
- ▶ Dust filtering included in detector head
- ▶ No additional screens or filters to clean or replace
- ▶ Only three standard tube lengths required.



F900-AA-P

Description

The Firecom F900-AA Series Analog Addressable Duct Smoke Detectors provides early detection of smoke and products of combustion present in air moving through an HVAC duct. These devices are designed for prevention of smoke recirculation in areas by the air handling systems. Fans, blowers and complete systems may be shut down in the event of smoke detection.

The F900-AA Series Duct Detector Housing with Base may utilize a F900-650 Photoelectric or F900-550 Ionization Detector head.

These devices have unique features that benefit the installer and the end user; it's user friendly addressing, extended data and alarm features meet the demands of today's high-technology environments.

Each Firecom detector head is supplied with an XPERT card. In order to determine the proper address, consult the coding guide. Place a screwdriver in the pips slit and give it a firm twist. Removal of the proper pips completes the coding procedure. Slide the coded XPERT card into the side of the base, making sure it locks into position. Once the detector head is placed into the base, the remaining pips will operate the address-buttons on the detector head and the address will be read by the heads electronics.

Air sampling is accomplished by two tubes which protrude into the duct. An exhaust tube of one standard length (7.5") is provided with the detector housing. Intake sampling tubes, which must be ordered separately, are supplied in three standard lengths.

Duct mounting is accomplished by the use of a template and 4 sheet metal screws, which are provided.

Approvals and Listings

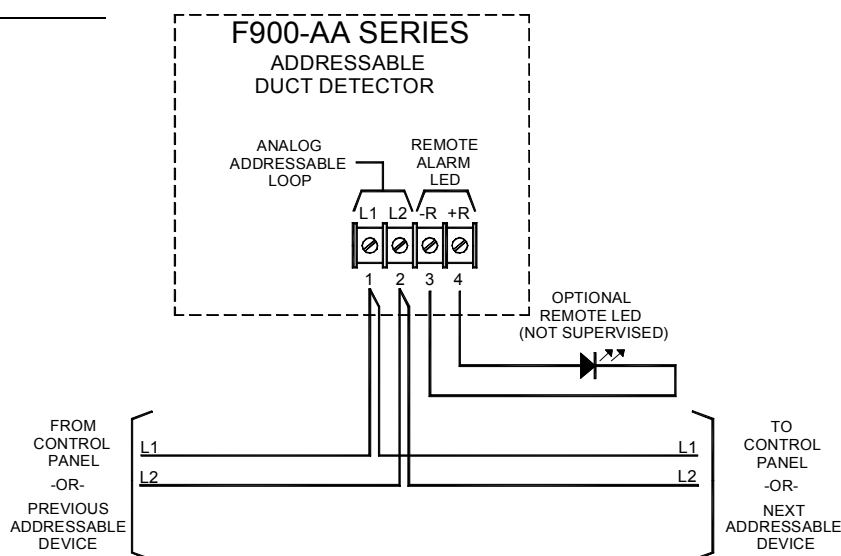
Underwriters Laboratories (S6349)
NYC MEA (73-92-E)



Engineering Specifications

Air duct smoke detectors shall be Firecom Analog Addressable F900 Series. For ionization duct detectors the model number shall be F900-AA-N. For photoelectric duct detectors the model number shall be F900-AA-P. The detectors shall be listed by Underwriters Laboratories as per UL 268A. The detectors shall operate at air velocities from 500 feet per minute to 4,000 feet per minute. The duct detector housings shall be of metal construction and complete mechanical installation may be performed without removal of detector cover. Detector heads shall not require additional filters or screens which must be maintained. Terminal connections shall be of the screw type and be a minimum of #6 screw. All wiring must comply with local codes and regulations.

Wiring Connection



Electrical Specifications

Operating Voltage	17 to 28VDC
Operating Current	F900-AA-N 280 microamps F900-AA-P 340 microamps
Radioactive Elements	F900-AA-N Americum 241, 0.9 Micro-Curies
Sensitivity	Factory Set
Air Velocity	500 feet per minute to 4000 feet per minute
Operating Temperature	0°C to 49°C
Operating Relative Humidity Range	0% to 93% @ 32° C
Material	18 GA steel back box, clear plastic cover
Max Net Wt.	4.0lbs
Mounting	Template and necessary hardware supplied
Dimensions	10"H x 8.25"W x 2.25"D (25.4cm x 21cm x 5.7cm)

Ordering Information

Model No.	Part No.	Description
F900-AA-N	75041	Addressable Ionization Duct Smoke Detector
F900-AA-P	75010	Addressable Photoelectric Duct Smoke Detector
FST-2.5	75011	Duct Sampling Tube for 6" to 2.5' Duct widths
FST-5.0	75012	Duct Sampling Tube for 2.5' to 5' Duct widths
FST-10.0	75013	Duct Sampling Tube for 5' to 10' Duct widths

It is our intention to keep the 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: FIRECOM, INC.

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