



# DDA

## ADDRESSABLE DUCT DETECTOR



S24776 3242-0328:0218



P/N 98354

### Features

- Detects smoke in building HVAC ducts
- Ships complete with housing and head
- Compatible with addressable JFS-A1 and JFS-A2 addressable control panels
- SLC in and out wire terminals
- Installation without removing the head
- Listed Air Velocity of 100 to 4,000 ft/minute
- No screens or filters in housing
- Durable plastic enclosure and clear cover
- Integrated cover tamper switch
- Utilizes simple snap in sampling tubes STN series

### Application

The DDA duct smoke detector provides early detection of smoke and products of combustion present in air moving through HVAC ducts in commercial, industrial and residential applications.

The DDA is compatible with the JFS-A1 and JFS-A2 addressable fire alarm control panels, and any panel compatible with the Potter/Nohmi addressable protocol.

### Description

The DDA is designed and built to meet all local requirements, as well as the NFPA regulations regarding duct smoke detectors.

Air sampling is accomplished by two tubes which protrude into the duct. An exhaust tube of one standard length (7") is supplied in the installation kit with the smoke duct unit. Once the duct width has been determined the air intake sampling tubes must be ordered. Sampling tubes are supplied in three standard lengths: 3 ft., 5 ft., and 10 ft. and cut to size to fit the duct. Mounting the duct smoke unit is accomplished by the use of a template and 2 sheet metal screws, which are provided. Mounting can be achieved without the removal of the clear cover which is secured by 4 capture screws.

### Detector Specifications

Operating Voltage	22-24 VDC
Detector Head Model	DSA
Detector Head Type	Photoelectric
Sensitivity Test Method	Self diagnostic test
Air Velocity	100 to 4000 ft./min
Ambient Temperature	32°F to 120°F (0°C to 49°C)
Humidity	10% to 85% Relative humidity (non-condensing)
Housing Material	Plastic backbox, clear plastic cover
Finish	Gray backbox with clear cover
Dimensions	13 1/2" L x 4 1/2" W x 2 1/4" H
Maximum Net Weight	2 lbs.
Sampling Tubes	3 ft., 5 ft., or 10 ft.

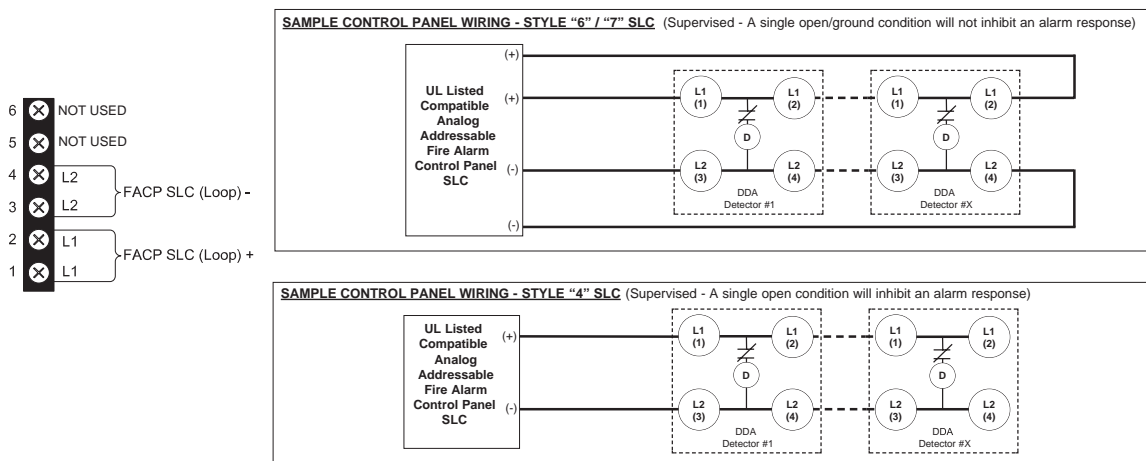


## Engineering Specifications

Air duct smoke detectors shall be DDA Series. The detectors shall be listed by Underwriters Laboratories per UL 268A. The detectors shall operate at air velocities from 100 feet per minute to 4000 feet per minute.

The duct detector housings shall be of plastic construction and complete mechanical installation may be performed without removal of detector cover. Visual indication of alarm and power must be provided on detector front. Detector heads shall not require additional filters or screens which must be maintained. The housing shall contain a detector base and DSA duct smoke detector head. Terminal connections shall be of the screw type and be a minimum of # 12 screw. All wiring must comply with local codes and regulations. Detector shall use the STN series of sampling tubes.

## Wiring Diagram



Ordering Information		
Model Number	Description	P/N
DDA	Addressable Duct Detector	98377
N/A	10 ft Duct Sampling Tube	98351
N/A	5 ft Duct Sampling Tube	98350
N/A	2.5 ft Duct Sampling Tube	98349

*Note: Approvals/Listings maintained by and manufactured by Potter Electric Signal Company.*

The seller makes no warranties, express or implied, including, but not limited to, the implied warranties of merchantability and fitness for a particular purpose, except as expressly stated in the seller's sales contract or sales acknowledgment form. Every attempt is made to keep our product information up-to-date and accurate. All specific applications cannot be covered, nor can all requirements be anticipated. All specifications are subject to change without notice.



1102 Rupcich Drive  
 Millennium Park  
 Crown Point, IN 46307  
 TEL: (219) 663-1600 FAX: (219) 663-4562  
 e-mail: [info@janusfiresystems.com](mailto:info@janusfiresystems.com)  
[www.janusfiresystems.com](http://www.janusfiresystems.com)