



Apollo SL-DAA Series Intelligent/Addressable Air Duct Smoke Detectors

SL-DAA-N

Ionization type intelligent air duct smoke detector, 2-wire

SL-DAA-P

Photoelectric type intelligent air duct smoke detector, 2-wire

1201 7th Street □ Suite 103 □ East Moline, IL 61244 □ 309-755-6352 or 888-673-2900 □ Fax 309-755-8310

Description

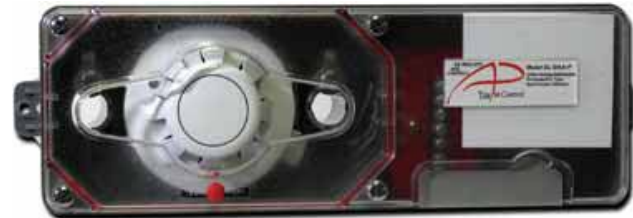
The SL-DAA Series Smoke Duct Detector is the latest analog addressable innovation for early detection of smoke and products of combustion present in air moving through HVAC ducts in Commercial, Industrial, and Residential applications. The unit is designed to prevent the recirculation or spread of smoke by air handling systems, fans, and blowers. Complete systems may be shut down via the building's fire alarm control panel (FACP) in the event of smoke detection. The SL-DAA is designed and built to meet all local code requirements, as well as the NFPA and ICC standards regarding HVAC supply and return duct smoke detectors. Output terminals are provided for a remote alarm indicator accessory.

Operation

The SL-DAA includes many features that represent true innovations from current generation duct smoke detectors. Our traditional installer/servicer-friendly approach has been closely followed and expanded throughout the SL-DAA. This philosophy yielded a host of "No-Tools Required" features, as well as a multi-application performance level as yet unmatched in the industry. The key features below detail many of the customer-driven innovations incorporated in the SL-DAA Series. Innovative product combined with unsurpassed customer service equals the right combination for all of your projects.

Features

- UL/ULC listed, FM Approved, CSFM Listed, MEA/COA Accepted
- Low-Flow Technology: Both Ionization and Photoelectric models listed for velocities between 100-4000 ft./min
- Both Ionization and Photoelectric models listed for high temperature applications
- Units supplied with slide-in XPERT Card for easy device addressing
- Patent pending "No-Tools Required" front *or* rear loading and removing sampling/exhaust tubes
- Patent pending "Test Port Valve" allows for aerosol smoke testing without cover removal
- Clear cover fitted with four captive "No-tools Required" thumbscrews



SL-DAA Series

Features Cont'd

- Instantaneous cover removal trouble indication
- Vertical terminal block for easier wiring
- Steady red LED on detector head indicates alarm
- More wiring space than competitive models without additional drilling Duct wall gaskets on back of enclosure are pre-installed
- Compatible with the WP-2000 weatherproof enclosure
- External mounting tabs do not require cover removal to install
- Colored cover gasket indicates proper cover seal
- UL, CUL, Listed; CSFM, MEA pending
- Compact, lightweight size means easy handling, lower shipping costs
- Large terminal connection screws
- XP95A interchangeable "plug-in" UL268 photoelectric or ionization heads and/or Discovery protocol
- Ionization and Photoelectric versions available
- Complete wiring details permanently attached to unit
- Manufactured by Air Products/Apollo

PRODUCT SPECIFICATIONS

MODEL NUMBER	SL-DAA-N Ionization SL-DAA-P Photoelectric
XP95A DETECTOR MODEL No.	SL-DAA-N 55000-550APO SL-DAA-P 55000-650APO
SAMPLING TUBES	STN-1.0 Sampling tube for 12" or less duct width STN-2.5 Sampling tube for 6" to 2.5' duct width STN-5.0 Sampling tube for 2.5' to 5.0' duct width STN-10.0 Sampling tube for 5.0' to 10.0' duct width
ACCESSORIES	MS-RA & RD remote alarm indicators WP-2000 weatherproof enclosure TG-2000 aerosol test gas (All available from Global Fire Control Inc.)
DETECTOR COMPATIBILITY	GF-4102 & GF-4200 or any other panel utilizing the Apollo protocol
AIR VELOCITY	100 to 4,000 ft./min.
AMBIENT TEMPERATURE	SL-DAA-N 32°F to 150°F (0°C to 66°C) SL-DAA-P 32°F to 140°F (0°C to 60°C)
HUMIDITY	10-95% RH Non-condensing / Non-freezing
WIRING	Solid or stranded: #12 to #22 AWG terminals
APPROVALS	UL & ULC Listed (UL268A, UROX, UROX7 File#S2829) CSFM Listed (3240-1004:115) MEA Accepted (73-92-E Vol.35)
MATERIAL	Grey plastic backbox Clear plastic cover (Makrolon 94V-0)
DIMENSIONS	13 1/2" L x 4 1/2" W x 2 1/4" H
MAX. NET WT.	2 lbs.
RADIOACTIVE ELEMENT	SL-DAA-N (Ionization) Americium 241; 0.9 Micro-Curie Do not expose to corrosive atmospheres
HARDWARE	7" exhaust tube, sampling tube end cap mounting template and mounting hardware included

ENGINEERS & ARCHITECTS SPECIFICATIONS

The air duct smoke detectors shall be Global Fire Control Inc SL-DAA Series. For ionization detectors the model number is **SL-DAA-N** and for photoelectric the model number is **SL-DAA-P**. The detectors shall be listed by Underwriters Laboratories per UL 268A. The detectors shall operate at air velocities from 100 feet per minute to 4,000 feet per minute and at temperatures of no greater than 140°F (60°C). Visual indication of alarm must be provided on the detector. Air handling unit shut down shall be accommodated via the associated FACP. The housing shall contain a detector base which will accept photoelectric or ionization detector heads as well as a means of detector addressing. Terminal connections shall be of the screw type, a minimum of #6 screw (#12 to #22 AWG compatible). Terminals shall be provided for remote alarm indication. All wiring must comply with local codes and regulations. A method of smoke testing the detector without removing the cover must be provided. Cover and sampling/exhaust tube installation or removal must not require the use of tools. Sample and exhaust tubes shall be capable of removal/installation from the front and/or rear of the detector for inspection/maintenance.

Specifications and wiring information are provided for information only and are believed to be accurate. Fire Fighting Enterprises assumes no responsibility for their use. Data and design are subject to change without notice. Installations and wiring instructions are shipped with the products and should always be used for actual installation. For more information, Contact your Sales Representative.



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