

VF4992

Duct Smoke Detector



SLC Devices



Standard Features

- 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
- Operating voltages: 24VAC or 24VDC
- 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

Standard Features

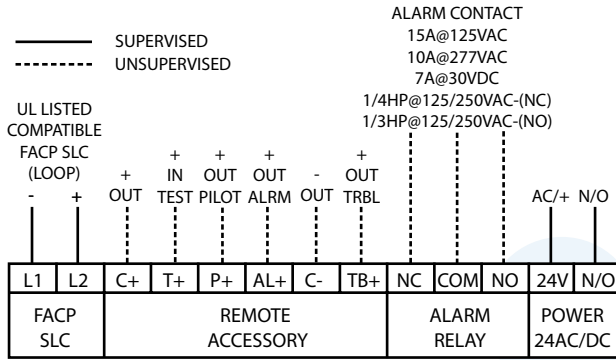
- Patent pending "Test Port Valve" allows for aerosol smoke testing without cover removal
- Clear cover fitted with four captive "No-Tools Required" thumbscrews
- Instantaneous cover removal trouble indication
- In-line terminal block for easier wiring
- Steady red LED on detector head indicates alarm operation
- More wiring space than competitive models
- Footprint allows easy retrofit in many applications without additional drilling
- Over 15 remote accessories available
- Duct wall gaskets on back of enclosure are pre-installed
- Compatible with the WP-2000 weatherproof enclosure
- Built-in alarm relay test switch Unit includes green pilot and red alarm visual indicators
- 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
- One set of 15A form "C" alarm contacts
- Large terminal connection screws
- XP95A interchangeable "plug-in" UL268 photoelectric or ionization heads
- Advanced detector head design yields internal dust filtering
- No additional screens or filters to clean
- Compatible with fire alarm systems utilizing Apollo XP95 and/or Discovery protocol
- Ionization and Photoelectric versions available
- Complete wiring details permanently attached to unit

Overview

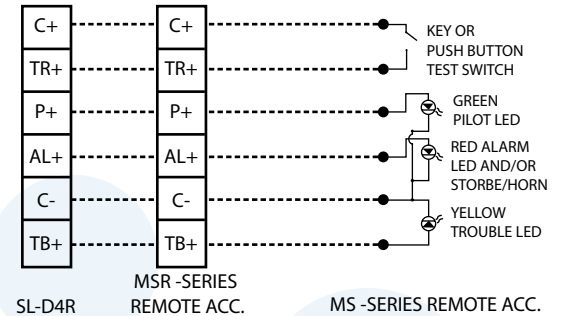
The VF4992 Series Smoke Duct Detector is the latest analog addressable innovation for early detection of smoke and products of combustion present in air moving through HVAC ducts in Commercial, Industrial, and Residential applications. The unit is designed to prevent the recirculation or spread of smoke by air handling systems, fans, and blowers. Complete systems may be shut down via the unit's on-board alarm contact in the event of smoke detection. The VF4992 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 wide range of remote accessories such as horns, strobes, remote status indicators and test key switches or push buttons.

The VF4992 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 VF4992. This philosophy provides a new level of efficiency in after-purchase value to both the installer/servicer and end-user. Our attention to detail has 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 VF4992 Series. Innovative product combined with unsurpassed customer service equals the right combination for all of your projects.

Terminal Connections



Remote Accessory Wiring



Technical Specifications

Model Number: VF4992 Ionization 24VAC or 24VDC, VF4992 Photoelectric 24VAC or 24VDC

XP95A Detector Model Number: VF4992 Ionization 55000-550APO, VF4992 Photoelectric 55000-650APO

Detector Compatibility: FACP utilizing Apollo XP95 and/or Discovery protocols

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- and MSR- Series Remote accessories, WP-2000 weatherproof enclosure and TG-2000 aerosol test gas and T-PB power supplies (All available from Air Products and Controls Inc.)

Control Board Power Requirements (without accessories): Standby - 24VAC, 105mA; 24VDC, 26mA; Alarm - 24VAC, 195mA; 24VDC 54mA

Relay Contact Rating Alarm Contacts: Resistive load: 1 set form "C" rated at 15Amps @ 125VAC, 10Amps @ 277VAC, 7Amps @ 54mA
 Inductive Load: 1/4 HP @ 125/250VAC (NC), 1/3 HP @ 125/250VAC (NO)

Air Velocity: 100 to 4,000 ft./min.

Ambient Temperature: SL-DA4R-N 32°F to 150°F (0°C to 66°C), SL-DA4R-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 & CUL Listed (UL268A, UROX, UROX7) File # S2829, CSFM Listed (3240-1004:116), MEA Accepted (73-92-E Vol.36)

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.: 2.25 lbs.

Radioactive Element: For SL-DA4R-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