

INSTALLATION INSTRUCTIONS

Duct Smoke Detector

Direct and Indirect gas-fired duct furnace/make-up air units

Model Series: "D", "H", "M", "I", "O", & "Q"

Packaged Ventilation/Dedicated Outside Air (DOAS) units

Model: "MPR"

Figure 1.1 – Air Duct Smoke Detector



Application

The SL-2000-P Photoelectric Duct Smoke Detector is designed to detect the presence of smoke in the air duct. Once the smoke is sensed, the smoke detector will de-energize the unit. To reset the unit, the manual reset button on the detector must be pressed and the alarm condition reset on the main unit controller.

Location, Installation, Testing, and Maintenance of Smoke Detector

1. Prior to installation of the smoke detector, please review the component supplier (vendor) literature that shipped with the smoke detector.
2. Locate and install the sensor as described in those instructions.
3. Wiring of the sensor to our equipment should follow those instructions with connections as follows:

Terminals on Smoke Detector	Terminals on Unit Terminal Strip by Model Series		
	"D", "I", "H", "O" Indirect Fired System Units ① with Digit 12=9	"MPR" Packaged Ventilation	All Other Models
7	316	602	See Wiring Diagram on Unit
9	500	500	
10	502	503	
18	502	503	

① System Units have Model Digit 2=B, C, D, or P.

4. Once the sensor is properly installed and wired, refer to the vendor literature for testing and maintenance of the sensor to ensure proper operation and protection throughout the life of the equipment.

⚠ WARNING

1. Disconnect power supply before making wiring connections to prevent electrical shock and equipment damage.
2. All units must be wired strictly in accordance with wiring diagram furnished with the unit. Any wiring different from the wiring diagram could result in a hazard to persons and property.
3. All wiring must be done with a wiring material having a temperature rating of at least 105°C.

CAUTION

As with any mechanical equipment, personal injury can result from contact with sharp sheet metal edges. Be careful when you handle this equipment.

IMPORTANT

1. The use of this manual is specifically intended for a qualified installation and service agency. All installation and service of these units must be performed by a qualified installation and service agency.
2. These instructions must also be used in conjunction with the unit Installation and Service Manual originally shipped with the unit, in addition to any other accompanying component supplier literature.

Modine Manufacturing Company has a continuous product improvement program,
and therefore reserves the right to change design and specifications without notice.

Modine Manufacturing Company • 1500 DeKoven Avenue • Racine, Wisconsin, USA 53403-2552
Phone: 1.800.828.4328 (HEAT) • www.modinehvac.com