DUCT SMOKE DETECTOR
Early Smoke Detection in HVAC Systems

The Model SL-2000 Duct Smoke Detector is crucial for early detection of smoke and products of combustion present within HVAC ductwork. This model can be utilized in many different types of applications including commercial, industrial, and residential. The unit is designed to not only alarm when smoke is detected, but will also utilize relays to disable fans and blowers. The model comes complete with technician friendly “No-Tools Required” features to make installation and servicing simple and efficient.

**BENEFITS/FEATURES**
- Versatile installation applications with velocities up to 4000 FPM
- Easy performance verification with the built-in smoke and magnet test ports and clear cover to view status LED
- Simple installation with no tools required to load/remove sampling tubes

**APPLICATIONS**
- Early smoke detection in ductwork
- Commercial/industrial/residential HVAC
- BAS automation

**SPECIFICATIONS**
- **Sensor Type:** Photoelectric or Ionization.
- **Air Velocity Range:** 100 to 4000 FPM.
- **Ambient Temperature:** SL-2000-P: 32 to 140°F (0 to 60°C).
- **Humidity Limits:** 10-85% RH. Non-condensing/non-freezing.
- **Power Requirements:** Standby: 230 VAC (12 mA), 115 VAC (22 mA), 24 VAC (55 mA), or 24 VDC (14 mA); Alarm: 230 VAC (18 mA), 115 VAC (32 mA), 24 VAC (190 mA), or 24 VDC (68 mA).
- **Electrical Rating:** Alarm contacts: 2 sets form “C” rated at 10 A resistive @ 115 VAC and 1 set form “A” rated at 2 A; Trouble contacts: 1 set form “C” rated at 10 A @ 115 VAC.
- **Electrical Connections:** Screw terminals.
- **Enclosure:** Grey plastic backbox, clear plastic cover (Makrolon® 94 V-0).
- **Enclosure Rating:** SL-2000: NEMA 1; WP-2000: NEMA 3R.
- **Weight:** 2.5 lb.
- **Approvals:** cULus (UL 268A) file # S2829, CSFM listed (3240-1004:105), MEA accepted (73-92-E; VOL. 27).

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>SL-2000-P</td>
<td>Conventional, 4-wire, universal voltage, photoelectric duct smoke detector</td>
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**ACCESSORIES**

<table>
<thead>
<tr>
<th>Model</th>
<th>Description</th>
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<tbody>
<tr>
<td>55000-328APO</td>
<td>Photoelectric replacement sensor for SL-2000-P</td>
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<tr>
<td>FAST TUBE</td>
<td>Sectional, polycarbonate sampling tube, bag of (3) 24” tubes</td>
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<tr>
<td>TG-2500</td>
<td>Test gas for SL-2000 models</td>
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<tr>
<td>WP-2000</td>
<td>Weatherproof enclosure for SL-2000 models</td>
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