**SERIES SL-2000**

**DUCT SMOKE DETECTOR**

Early Smoke Detection in HVAC Systems

The Series SL-2000 Duct Smoke Detector is crucial for early detection of smoke and products of combustion present within HVAC ductwork. This series 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 series comes complete with technician friendly “No-Tools Required” features to make installation and servicing simple and efficient.

**BENEFITS/FEATURES**
- Operates in air speeds of 100 to 4000 ft/min
- Transparent cover to view detector head LED
- Patented “No-Tools Required” front or rear loading and removing sampling/exhaust tubes
- Integrated smoke test port

**APPLICATIONS**
- Early smoke detection in ductwork
- Commercial/Industrial/Residential HVAC
- BAS automation

**SPECIFICATIONS**
- **Sensor Type:** Photoelectric or Ionization
- **Air Velocity Range:** 100 to 4000 ft/min
- **Ambient Temperature:** SL-2000-N: 32°F to 158°F (0°C to 70°C); SL-2000-P: 32°F to 140°F (0°C to 60°C)
- **Humidity Limits:** 85 ± 5% RH (@32°F ±2°C; 85 ± 3.6°F) Non-condensing/Non-freezing
- **Power Requirements:** Standby: 230 VAC (12 mA), 115 VAC (22 mA), 24 VAC (55 mA), or 24 VDC (85 mA); Alarm: 230 VAC (16 mA), 115 VAC (32 mA), 24 VAC (190 mA), or 24 VDC (65 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

**ACCESSORIES**
- Ionization replacement sensor for SL-2000-N
- Photoelectric replacement sensor for SL-2000-P
- Sectional, polycarbonate sampling tube, bag of (3) 24˝ tubes
- Weatherproof enclosure for SL-2000 models

**MODEL CHART**

<table>
<thead>
<tr>
<th>Model</th>
<th>Sensor Type</th>
</tr>
</thead>
<tbody>
<tr>
<td>SL-2000-N</td>
<td>Conventional, 4-wire, universal voltage, ionization duct smoke detector</td>
</tr>
<tr>
<td>SL-2000-P</td>
<td>Conventional, 4-wire, universal voltage, photoelectric duct smoke detector</td>
</tr>
</tbody>
</table>

**SERIES SL-53546-021K**

**DUCT SMOKE DETECTOR**

Early Smoke Detection in HVAC Systems

The Series SL-53546-021K Duct Smoke Detector is crucial for early detection of smoke and products of combustion present within HVAC ductwork. This series 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 series comes complete with technician friendly “No-Tools Required” features to make installation and servicing simple and efficient.

**BENEFITS/FEATURES**
- Wide application environment with ability to operate in air speeds of 100 FPM (0.5 m/s) to 4000 FPM (20 m/s)
- Simple installation with the patented “No-Tools Required” front or rear installation of sampling/exhaust tubes
- Easy visual status determination with transparent cover to view detector head LED
- Reduced installation costs with integrated relays for connecting to alarm devices
- Quick verification testing with integrated smoke test port

**APPLICATIONS**
- Early smoke detection in ductwork
- Commercial/Industrial/Residential HVAC
- BAS automation

**SPECIFICATIONS**
- **Sensor Type:** Photoelectric or Ionization
- **Air Velocity Range:** 0.5 m/s to 20 m/s
- **Ambient Temperature:** 0°C to 60°C
- **Humidity Limits:** 0% to 95% relative humidity (no condensation)
- **Power Requirements:** 5-53 VDC
- **Electrical Rating:** 1 set form “C” rated at 10 A resistive @ 115 VAC

**ACCESSORIES**
- Standard duct detectors for the CU markets, photoelectric sensing technology
- Series 65 optical sensor (replacement head with CE rating)

**MODEL CHART**

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<th>Model</th>
<th>Sensor Type</th>
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<tbody>
<tr>
<td>SL-53546-021K</td>
<td>Standard duct detectors for the CU markets, photoelectric sensing technology</td>
</tr>
<tr>
<td>SL-53546-316</td>
<td>Series 65 optical sensor (replacement head with CE rating)</td>
</tr>
<tr>
<td>FAST TUBE</td>
<td>Polycarbonate sampling sectional tubing, bag of (3) 24˝ tubes</td>
</tr>
<tr>
<td>TG-2500</td>
<td>Test gas for duct smoke detectors</td>
</tr>
</tbody>
</table>