

Description

The SL-701 Duct Carbon Monoxide Detector Kit provides early detection of carbon monoxide in air moving through the HVAC duct supply, return, or both in commercial, industrial, or residential applications.

The SL-701 is fitted with a UL Listed electrochemical sensor that notifies at for distinct levels of carbon monoxide PPM published hazardous by both OSHA and the NFPA, and has a life of approximately six years in normal environmental conditions. The specific alarm condition met is announced at the detector, and historical data can be retrieved from the unit to aid in resolving the source of contamination.

The SL-701 alerts building occupants of an AHU-circulated carbon monoxide contamination prior to its distribution of the “occupied” space. Output terminals are provided for the MSR-50/CO remote accessory, used to provide private mode (non-public) audible and visual alarm indication in a remote location. Combination CO /Fire Alarm Control Units can, and must, be notified of an alarm or trouble condition to provide Public Mode Notification and Remote Reporting.

The SL-701 is a CO system detector, it is not a smoke detector or a CO alarm. It detects carbon monoxide as caused by fossil fuel fired appliances and/or as introduced from the outside in fresh air intakes in the HVAC system. It is intended for use in addition to, not in place of, point-type / open area CO detectors as required by national and local codes.

Listing

UL File: S2829
CSFM: 3240-1004:115
MEA Accepted: 73-92-E Vol. 35



Features

- Hybrid-Style sensor monitors at the national standards
- set by OSHA (IAQ) and UL 2075/2034 (life safety)
- “Snap-in” Sensor is easily replaced at end of life
- Solid green LED on sensor head indicates normal operation
- Detector Test Mode allows for aerosol CO testing without cover removal using Test Port Valve
- Historical, retrievable reporting data stored at the unit
- Unit performs “hidden” self-test every 24 hours
- Patented front or rear loading and removing sampling/exhaust tubes
- Interconnect up to 30 units for common functions
- Advanced sensor design yields internal dust filtering
- No additional screens or filters to clean
- Compatible with Building Automation and Combination
- CO/Fire alarm systems
- Complete wiring details permanently attached to unit

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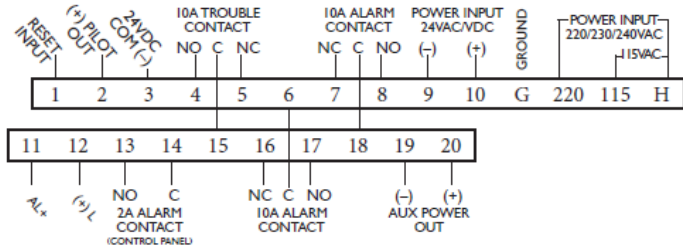
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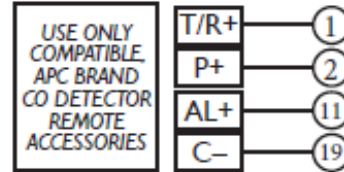
Represented by:

Wiring Detail

Terminal Connections



MSR-50/CO Wiring



Product Specifications

Model Number	SL-701	230VAC, 115VAC, 24VAC, 24VDC															
	SL-701	7-CO															
		Electrochemical Carbon Monoxide Sensor is a UL Recognized component in accordance with requirements of UL2034. Also meets EN50291 requirements. SL-2000 Series Duct Smoke Detector Fire Alarm Certifications referenced side one: UL & CUL Listed (UL268A, UROX, UROX7) File # S2829 CSFM Listed (3240-1004:105); MEA Accepted (73-92-E, VOL. 27)															
Sample Tubes	FAST TUBE	Sectional sampling tubes															
	STN -2.5	Metal sampling tube for 6" to 2.5' duct width															
	STN -5.0	Metal sampling tube for 2.5' to 5.0' duct width															
	STN-10.0	Metal sampling tube for 5.0' to 10.0' duct width															
Accessories		MSR-50/CO Remote Accessory TG-701 aerosol test gas T-PB power supplies WP-2000 weatherproof enclosure															
Power Requirements		<table border="0"> <tr> <td>Input Power</td> <td>Standby Current</td> <td>Alarm Current</td> </tr> <tr> <td>24VAC</td> <td>55mA</td> <td>190mA</td> </tr> <tr> <td>24VDC</td> <td>14mA</td> <td>68mA</td> </tr> <tr> <td>115VAC</td> <td>22mA</td> <td>32mA</td> </tr> <tr> <td>230VAC</td> <td>12mA</td> <td>18mA</td> </tr> </table>	Input Power	Standby Current	Alarm Current	24VAC	55mA	190mA	24VDC	14mA	68mA	115VAC	22mA	32mA	230VAC	12mA	18mA
Input Power	Standby Current	Alarm Current															
24VAC	55mA	190mA															
24VDC	14mA	68mA															
115VAC	22mA	32mA															
230VAC	12mA	18mA															
Relay Contact Rating	Alarm Contacts	Resistive load: 2 sets form "C" rated at 10 Amps @ 115VAC Resistive load: 1 set form "A" rated at 2 Amps															
	Trouble Contacts	Resistive load: 1 set form "C" rated at 10 Amps @ 115VAC															
Air Velocity		100 to 4,000 ft./min.															
Ambient Temperature		32°F to 158°F (0°C to 70°C)															
Humidity		10% to 85% RH Non-Condensing / Non-Freezing															
Wiring		Solid or stranded: #12 to #22 AWG terminals															
Material		Grey plastic backbox, clear plastic cover (Makrolon 94V-0) Do not expose to corrosive atmospheres															
Dimensions		13 1/2" L x 4 1/2" W x 2 1/4" D															
Max. Net WT.		2 1/2 lbs.															
Hardware		7" exhaust tube, FAST Tube starter sampling tube, sampling tube end cap, mounting template, and mounting hardware included															

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