

# DATA SHEET

## SL-2000-P

### PHOTOELECTRIC DUCT SMOKE DETECTOR



#### PRODUCT DESCRIPTION

The SL-2000-P is a 4 wire conventional duct smoke detector that offers fast installation, tool-less testing with cover in place and easy maintenance features. These detectors can be mounted horizontally or vertically for more adaptability in the field.



#### AGENCY LISTING



MEA  
ACCEPTED



#### PRODUCT FEATURES

- Patented **No-Tools Required** front or rear loading and removing sampling/exhaust tubes
- Patented **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
- Staggered terminal blocks for easier wiring
- Detector head's LED indicates for normal status (flashing light), alarm status (solid state) or trouble (off)
- Magnet test capability (magnet included)
- Duct wall gaskets on back of enclosure are pre-installed
- Unit's pcb board includes green pilot and red alarm visual indicators or off for trouble
- External mounting tabs do not require cover removal to install
- Colored cover gasket indicates proper cover seal
- Reset switch is also an alarm test switch
- Operating voltages: 230VAC, 115VAC, 24VAC, 24VDC
- Relay contacts:
  - Two sets of 10A form C alarm contacts
  - One set of 2A form A alarm contacts
  - One set of 10A form C trouble contacts
- Standard interchangeable "plug-in" UL268 photoelectric heads with advances internal dust filtering design
- No additional screens or filters to clean
- Complete wiring details permanently attached to unit
- Low-Flow Technology (between 100-4000 ft./min)
- Listed for high-temperature applications
- Interconnect up to 30 units for common functions
- Footprint allows easy retrofit in many applications without additional drilling
- Compatible with building automation and fire alarm systems

#### Sampling Tubes

Sampling tubes must be ordered separately and are required for proper installation

##### FAST TUBE

PLASTIC ADAPTOR LOCKS IN TUBES

INSERT ADAPTOR, INTERCONNECT TUBES & TURN TOWARD AIRFLOW

INSERT TUBES & TURN TOWARD AIRFLOW

LOCK TUBES USING RETENTION CLIP

##### STN- Series Metal Tubes

Part	Length	Duct Width
STN-1.0	10" Tube	0-1 ft.
STN-2.5	2.5' Tube	1-3 ft.
STN-5.0	5.0' Tube	3-5 ft.
STN-10.0	10.0' Tube	5-10 ft.

**WIRING INSTRUCTIONS:** scan this QR code to visit our Tech support page for guides & videos on how to wire our SL-2000 duct smoke detector.



## PRODUCT SPECIFICATIONS

<b>MODEL NUMBER:</b>	SL-2000-P	Photoelectric: 230VAC, 115VAC, 24VAC, 24VDC
<b>DETECTOR MODEL NUMBER:</b>	SL-2000-P	55000-328APO
<b>SAMPLING TUBES:</b>	FAST Tube	Sectional sampling tube, kit fits up to 90" duct width
	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
<b>POWER REQUIREMENTS:</b> (without accessories)	230VAC	12 mA
<b>Standby:</b>	115VAC	22 mA
	24VAC	55 mA
	24VDC	14 mA
<b>Alarm:</b>	230VAC	18 mA
	115VAC	32 mA
	24VAC	190 mA
	24VDC	68 mA
<b>RELAY CONTACT RATING:</b>		
<b>Alarm Contacts:</b>	Resistive load: 2 sets form "C" rated at 10 Amps @ 115VAC	
	Resistive load: 1 set form "A" rated at 2 Amps	
<b>Trouble Contacts:</b>	Resistive load: 1 set form "C" rated at 10 Amps @ 115VAC	
<b>AIR VELOCITY:</b>	100 to 4,000 ft./min.	
<b>AMBIENT TEMPERATURE:</b>	SL-2000-P	32°F to 140°F (0°C to 60°C)
<b>HUMIDITY:</b>	85 ±5 % RH (@32 ±2°C; 86 ±3.6°F) Non-Condensing / Non-Freezing	
<b>WIRING:</b>	Solid or stranded: #12 to #22 AWG terminals	
<b>APPROVALS:</b>	UL & CUL Listed (UL268A, UROX, UROX7) File # S2829 CSFM Listed (3240-1004:105) MEA Accepted (73-92-E; VOL. 27)	
<b>MATERIAL:</b>	Grey plastic backbox, clear plastic cover (Makrolon 94V-0)	
<b>DIMENSIONS:</b>	13 ½" L x 4 ½" W x 2 ¼" H	
<b>MAX. NET WT.:</b>	2 ½ lbs.	
<b>HARDWARE:</b>	7" exhaust tube, sampling tube end cap, mounting template, test magnet, and mounting hardware included	

### ENGINEERS & ARCHITECTS SPECIFICATIONS:

[apcfire.com/sl2000specifications](http://apcfire.com/sl2000specifications)

## ACCESSORIES

<b>MSR-100 series</b>	Remote Stations (test reset function)	<b>TG-2000</b>	Solo Smoke Gas w/TestPort Nozzle
<b>MSR-50 series</b>	Remote Stations (test reset function)	<b>TG-2500</b>	Centurion Smoke Gas w/TestPort Nozzle
<b>MS- series</b>	Remote Stations (push button & key reset)	<b>T-PB series</b>	Power supplies, 24VAC from 115VAC @1.0A input
<b>WP-2000</b>	Waterproof Enclosure		

FOR MORE PRODUCTS AND INSTALL GUIDES VISIT: [apcfire.com/products](http://apcfire.com/products)

