DATA SHEET
SL-2000-P
PHOTOELECTRIC DUCT SMOKE DETECTOR

AIR PRODUCTS & CONTROLS

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 maintanence features.
These detectors can be mounted horizontally or vertically for more adaptability in the field.



AGENCY LISTING

UL CERTIFIED SAFETY SIGNALING

CSFM LISTED



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

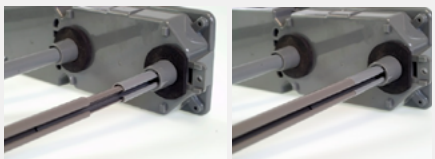
Sampling Tubes

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

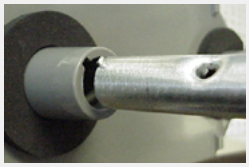
FAST TUBES



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	Lenght	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.

ENGINEERS & ARCHITECTS SPECIFICATIONS:

apcfire.com/sl2000specifications

FOR MORE PRODUCTS AND INSTALL GUIDES VISIT: apcfire.com/products

PRODUCT SPECIFICATIONS

MODEL NUMBER:	SL-2000-P	Photoelectric: 230VAC, 115VAC, 24VAC, 24VDC
DETECTOR MODEL NUMBER:	SL-2000-P	55000-328APO
SAMPLING TUBES:	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
POWER REQUIREMENTS: (without accessories)	230VAC	12 mA
Standby:	115VAC	22 mA
	24VAC	55 mA
	24VDC	14 mA
Alarm:	230VAC	18 mA
	115VAC	32 mA
	24VAC	190 mA
	24VDC	68 mA
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:	SL-2000-P	32°F to 140°F (0°C to 60°C)
HUMIDITY:	85 ±5 % RH (@32 ±2°C; 86 ±3.6°F) Non-Condensing / Non-Freezing	
WIRING:	Solid or stranded: #12 to #22 AWG terminals	
APPROVALS:	UL & CUL Listed (UL268A, UROX, UROX7) File # S2829 CSFM Listed (3240-1004:105)	
MATERIAL:	Grey plastic backbox, clear plastic cover (Makrolon 94V-0)	
DIMENSIONS:	13 ½" L x 4 ½" W x 2 ¼" H	
MAX. NET WT.:	2 ½ lbs.	
HARDWARE:	7" exhaust tube, sampling tube end cap, mounting template, test magnet, and mounting hardware included	

ACCESSORIES

MSR-100 series	Remote Stations (Test Reset Function)	TG-2000	Solo Smoke Gas w/TestPort Nozzle
MSR-50 series	Remote Stations (Test Reset Function)	TG-2500	Centurion Smoke Gas w/TestPort Nozzle
MS- series	Remote Stations (Push Button & Key Reset)	T-PB series	Power Supplies, 24VAC from 115VAC @1.0A Input
WP-2000	Waterproof Enclosure		

WIRING INSTRUCTIONS:

click the link or scan our QR code to visit our

Tech Support page for wiring, guides & videos!

www.apcfire.com/SUPPORT