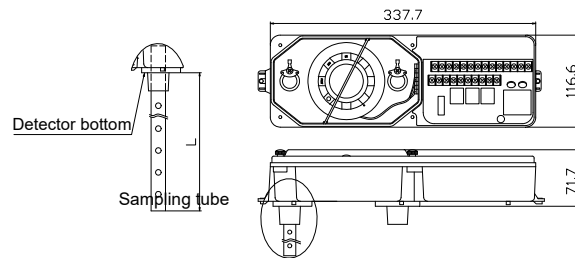


SL-2000-P Duct Smoke Detector



Applications & Features

- Originated from Air Product & Controls (APC), USA. Installed in ventilation duct, combined with the protective zone design, it can detect the smoke entering the duct effectively
- Applying photoelectric technology, when smoke particles concentration in the sampled air reaches a certain value, it will send out an alarm signal, and link to the alarm and switch off the fans or other equipment to prevent toxic and combustible gases from entering the protected area
- Alarm contacts are used for interfacing with controllers or other devices (alarm or start), HVAC control and other auxiliary functions. It also provides output terminals for a variety of remote accessories such as horns, flashing lights, remote indicators and test/reset switches or buttons
- The cover has missed-fill warning feature
- Sampling tubes are available in various lengths and are recommended to cross the entire length of the duct

Specifications (see details from the manual of APC)

Sensor: photoelectric smoke detector

Air Velocity: 0.5~20 m/s (100~4000ft/min)

Work Environment: 0~60°C, 0~90%RH (Non-cond.)

Power: 24VDC/AC, 115/240VAC, see details on the manual

Wiring: 4 lines

Sensitivity test: see label on the product

Alarm Contacts: 2xSPDT, 10A@115VAC, 5A@230VAC, 5A@30VDC
1xSPST, 0.5A@230VAC, 2A@30VDC

Failure Contacts: 1xSPDT, 10A@115VAC, 5A@230VAC, 5A@30VDC

Electrical connection: screw terminals

Enclosure: Gray PC bottom box and transparent upper cover (UL94-V0)

Protection: NEMA1

Weight: 1.13kg (excluding sampling tube)

Approvals: UL, FM, MEA

Models

Model	Insert Length	Apply for Duct Width
STN1	300mm (1 ft)	<0.3m (1 ft)
STN1.5	450mm (1.5 ft)	0.3-0.6m (1-2 ft)
STN3	900mm (3 ft)	0.6-1.2m (2-4 ft)
STN5	1500mm (5 ft)	1.2-2.4m (4-8 ft)
STN10	3000mm (10 ft)	2.4-3.7m (8-12 ft)