DATA SHEET
RT-3000-P
NEMA 4X DUCT SMOKE DETECTOR

AIR PRODUCTS & CONTROLS

PRODUCT DESCRIPTION

The RT-3000-P is a photoelectric weather tight duct smoke detector. The weathertight, NEMA 4X rated, corrosion resistant enclosure, coupled with extended temperature listings, allow installation in the widest possible range of indoor/outdoor environments.







AGENCY LISTING

c UL us LISTED

CSFM LISTED

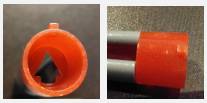
PRODUCT FEATURES

- Patented *No-Tools Required* front or rear loading, and sampling/exhaust tubes removing
- Patented *Test Port Valve* allows for aerosol smoke testing without cover removal
- NEMA 4x rated watertight and corrosion resistant enclosure for hazardous indoor and outdoors applications
- Patented Maintenance Mode offers 3-minute interval for test and maintenance functions with no extra trouble reports to the system (auto shut-off upon cover latch engagement)
- No-tools terminal blocks for easier wiring with built-in test meter probe access
- Detector head's LED indicates for normal status (flashing light), alarm status (solid state), or trouble (yellow light)
- Raised LED indicators have 180 visibility
- Magnet test capability (magnet included)
- All gaskets are permanently attached and pre-installed
- Unit's PCB board includes green pilot, red alarm yellow for trouble visual indicators, visible with cover in place
- Cover tether keeps cover with detector and a single cover latch releases the cover from the unit
- 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 10A form ***C*** trouble contacts
  - One set of 1A form "A" alarm contacts and one set of 7A form "B" trouble contacts for FACU interface
- Standard "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
- Compatible with building automation and fire alarm systems

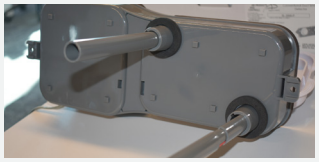
Sampling Tubes

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

FAST Tubes

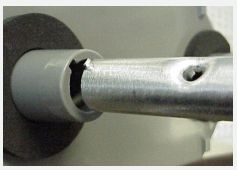


PLASTIC ADAPTOR LOCKS IN TUBES



INSERT ADAPTOR, INTERCONNECT TUBES & TURN TOWARD AIRFLOW

STN- Series Metal Tubes



INSERT TUBES & TURN TOWARD AIRFLOW



LOCK TUBES USING RETENTION CLIP

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.

PRODUCT SPECIFICATIONS

MODEL NUMBER:	RT-3000-P	Photoelectric: 230VAC, 115VAC, 24VAC, 24VDC
SMOKE SENSOR MODEL NUMBER:	55000-335DCT	
SAMPLING TUBES:	FAST Tube	Sectional sampling tube, kit fits up to 90" duct width
	STN-1.0	Sampling tube for 6" to 12" duct width
	STN-2.5	Sampling tube for 1' to 3' duct width
	STN-5.0	Sampling tube for 3' to 5' 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:	RT-3000-P	-4°F to 140°F (-20°C to 60°C)
HUMIDITY:	10% to 93% RH (@32°C) Non-Condensing / Non-Freezing	
WIRING:	Solid or stranded: #14 to #24 AWG terminals	
APPROVALS:	UL & CUL Listed (UL268A, UROX, UROX7) File # S2829 CSFM Listed (3240-1004:105)	
MATERIAL:	Grey plastic backbox, white plastic cover (Makrolon 94V-0)	
DIMENSIONS:	13 ½" L x 5 ½" W x 2 ¼" H	
MAX. NET WT.:	3 ½ lbs.	
HARDWARE:	7" exhaust tube, FAST Tube sectional sampling tube starter, 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

TECH SUPPORT:
apcfire.com/support

ENGINEERS & ARCHITECTS SPECIFICATIONS:
apcfire.com/specifications

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