AIR PRODUCTS & CONTROLS

RT-3000-P

NEMA 4X TYPE 4X ENCLOSURE WATERTIGHT
CORROSION RESISTANT DUCT SMOKE DETECTORS

INSTALLATION AND MAINTENANCE INSTRUCTIONS



RT-3000-P

Photoelectric Type, 4-Wire Duct Smoke Detector

NOTICE: The information contained in this document is the most current available at the time of shipment of accompanying product, and is subject to change without notice. Future references should always be made to the most current revision of this document. The information contained in all this document should be considered before installing or using the product. Any example applications shown are subject to the most current enforced local/national codes, standards, approvals, certifications, and/or the authority having jurisdiction. All of these resources, as well as the specific manufacturer of any shown or mentioned related equipment, should be consulted prior to any implementation. For further information or assistance concerning this product, contact Air Products & Controls. Air Products & Controls reserves the right to change any and all documentation without notice.
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FOR TECHNICAL SUPPORT CALL TOLL FREE 888-332-2241 OR 248-332-3900

AIR PRODUCTS & CONTROLS

INSTALLATION & MAINTENANCE INSTRUCTIONS FOR RT-3000 SERIES DUCT SMOKE DETECTORS

NEMA 4X Type 4X Enclosure - Watertight, Corrosion Resistant

RT-3000-P Photoelectric Type, 4-Wire DSD

PRODUCT OVERVIEW

PRODUCT APPLICATION

RT-3000 Series duct smoke detectors provide early detection of smoke and products of combustion present in air moving through an HVAC duct supply, return, or both in commercial, industrial, and residential applications. These devices are designed to prevent the recirculation of smoke in areas by the air handling system's fans and blowers. Complete systems may be shut down in the event of smoke detection.

⚠ ***NOTE***: *For the correct installation of a duct smoke unit, please refer to the NFPA 72 (National Fire Alarm Code), NFPA 90A (Standard for Installation of Air Conditioning and Ventilation Systems), NFPA 92A (Recommended Practice for Smoke Control Systems.), NFPA 5000 (Building Construction and Safety Code), IMC (International Mechanical Code), IFC (International Fire Code) and NEC (National Electric Code).*

⚠ ***REMARQUE***: *Pour l'installation correcte d'une unité de désenfumage de conduit, veuillez vous référer aux normes NFPA 72 (National Fire Alarm Code), NFPA 90A (Standard for Installation of Air Conditioning and Ventilation Systems), NFPA 92A (Recommended Practice for Smoke Control Systems), NFPA 5000 (Building Construction and Safety Code), IMC (International Mechanical Code), IFC (International Fire Code) et NEC (National Electric Code).*

This detector is not intended for open area protection nor should it be used for early warning detection or replace a regular fire detection system.

PRODUCT DESCRIPTION

The RT-3000 Series duct smoke detector is fitted with a mounting base that will accept an photoelectric smoke detector head model 55000-335DCT. The duct unit provides two sets of form "C" alarm contacts, one form "A" alarm contact, one form "B" trouble contact and one form "C" trouble contact. The trouble contacts supervise the presence of the input power, removal of the detector cover and the removal of the smoke detector head.

⚠ **This detector is equipped with a cover removal switch (COVER REMOVAL on PCB) that instantly provides a trouble condition upon lifting lever while not in Maintenance Mode. For all testing and inspection with the cover removed, the maintenance switch (designated as MAINT on PCB) may be momentarily depressed to simulate standard "pilot" operation for a predetermined time of 3 minutes. ALL TROUBLE CONTACTS ARE SHOWN / LABELED IN THE ENERGIZED CONDITION.**

⚠ **Ce détecteur est équipé d'un interrupteur de retrait de couvercle (COVER REMOVAL on PCB) qui fournit instantanément une condition de problème lors du levage du levier lorsqu'il n'est pas en mode maintenance. Pour tous les tests et inspections avec le couvercle retiré, l'interrupteur de maintenance (désigné par MAINT sur le PCB) peut être momentanément enfoncé pour simuler le fonctionnement standard du « pilote pendant une durée prédéterminée de 3 minutes. TOUS LES CONTACTS DE DÉPANNAGE SONT AFFICHÉS / ÉTIQUETÉS À L'ÉT AT SOUS TENSION.**

The trouble contacts ***will not*** operate in the event of a smoke alarm. The RT-3000 Series duct smoke detector will operate from various input voltage sources; namely 24VAC, 24VDC, 115VAC and 230VAC.

⚠ The RT-3000 cover seats firmly against a high-performance rubber gasket. To avoid accidental damage to the gasket: When removing the cover pull/lift uniformly on the corner tabs. When replacing the cover, be sure the stainless steel cover latch is in its upright position before properly seating the cover straight onto the base. Then fully depress the cover latch.

⚠ Le couvercle RT-3000 repose fermement contre un joint en caoutchouc haute performance. Pour éviter d'endommager accidentellement le joint : Lors du retrait du couvercle, tirez/soulevez uniformément les languettes d'angle. Lors du remplacement du couvercle, assurez-vous que le loquet du couvercle en acier inoxydable est en position verticale avant de placer correctement le couvercle directement sur la base. Appuyez ensuite complètement sur le loquet du couvercle.

RT-3000 DUCT SMOKE DETECTORS AT-A-GLANCE

MODEL NUMBER:

RT-3000-P 4-Wire Photoelectric Type 4X Enclosure Watertight, Corrosion Resistant

DETECTOR HEAD MODEL NUMBER:

Photoelectric Detector Head: **55000-335DCT**

POWER REQUIREMENTS:

POWER	*STANDBY CURRENT*		*ALARM CURRENT*	
		WITH ACCESSORIES		*WITH ACCESSORIES*
24VAC	122.6mA	125.2mA	251.0mA	401.5mA
24VDC	45.0mA	48.2mA	100.0mA	304.4mA
115VAC	31.0mA	47.2mA	50.0mA	91.2mA
230VAC	17.0mA	29.2mA	29.0mA	50.6mA

SAMPLING TUBES

The operating principle of a duct detector is based on the Venturi effect. Two tubes extend into the HVAC duct. Air flowing through the duct is forced into the air intake (inlet) tube via the air intake holes, (facing the airflow) and passes over the detector head. The air will be drawn out via the exhaust tube back into the HVAC duct. (A 7" exhaust tube is provided in the installation kit.) When the concentration of smoke particles suspended in the air stream reach the alarm threshold of the detector head, the unit will go into alarm.

The duct smoke detector units are designed to operate in duct widths from 6" to 10' wide with an air velocity between 100 to 4,000 feet per minute. To verify correct installation, the pressure differential between the sampling (high pressure side) and exhaust (low pressure side) tubes should be measured using a Magnehelic pressure gauge or equivalent. An acceptable reading is between 0.01 and 1.8 inches of water. To minimize the impact of air turbulence and stratification on performance, a duct smoke detector should be located as far as possible downstream from any obstruction (i.e. deflector plates, elbows, dampers, etc.). In all situations, confirmation of velocity and pressure differential within specifications is required.

REMOTE ACCESSORIES

Audible and visual alarm indicators, remote status indicators, and remote reset/test switches can be accommodated by the RT-3000 Series duct units by connecting to the proper terminals as described on page 10. These terminals are not supervised. The remote pilot (green) LED will be permanently illuminated when connected to the proper terminals as long as the following conditions are met:

- input power is present
- detector head is present
- unit cover is in place with latch in closed position

RELAY CONTACT RATINGS:

Alarm contacts:
2 sets form "C" rated at 10A@125VAC resistive
1 form "A" rated at 1A@30VDC

Trouble contacts:
1 form "B" rated at 7A@30VDC resistive
1 set form "C" rated at 10A@125VAC resistive

Air velocity:
100 to 4,000 ft/min.

Ambient operating temperature:
RT-3000-P: -4°F to 140°F (-20°C to 60°C)

Sampled Air Humidity:
10% to 93% RH Non-Condensing/Non-Freezing

FIRMWARE CODE:

SFT3000 rev080415

CONSTRUCTION:

Material: Gray plastic back box with white plastic cover (Makrolon 94V-0),

NEMA 4X Type 4X Enclosure - Watertight, Corrosion Resistant

Dimensions:
13½" L X 5½" W X 2¼" D

Max. net wt.:
3½ lbs.

FOR TECHNICAL SUPPORT CALL TOLL FREE 888-332-2241 OR 248-332-3900

MECHANICAL INSTALLATION

LOCATION PREREQUISITES

This guideline contains general information on duct smoke detector installation, but does not preclude the NFPA and/or ICC documents listed on page 1. Air Products & Controls assumes no responsibility for improperly installed duct detectors. To determine the correct installation position for an RT-3000 Series duct smoke detector, the following factors must be considered:

1) A uniform non-turbulent (laminar) airflow between 100 ft/min. to 4,000 ft/min. must be present in the HVAC duct. To determine duct velocities, examine the engineering specifications that define the expected velocities or use an Alnor model 6000AP velocity meter (or equivalent).

2) To minimize the impact of air turbulence and stratification on performance, a duct smoke detector should be located as far as possible downstream from any obstruction (i.e. deflector plates, elbows, dampers, etc.). In all situations, confirmation of velocity and pressure differential within specifications is required.

The pressure differential between the input sampling (high pressure) tube and exhaust (low pressure) tube for the RT-3000 Series smoke duct detector should be greater than 0.01 inches of water and less than 1.8 inches of water. See page 4 for detailed information on pressure differential gauges.

3) Identify a code compliant location (supply or return side, or both) for the installation of the duct unit that will permit easy access for viewing and serviceability.

4) When installing on the return side, install duct units prior to the air being exhausted from the building or diluted with outside "fresh" air.

5) When installing duct smoke units downstream of filters, fires occurring in the filters will be detected, but if the filters become blocked, insufficient air flow through the duct unit will prevent the correct operation of the duct detector. Duct units installed in the supply air side may monitor upstream equipment and/or filters.

6) Where possible, install duct detectors upstream of air humidifiers and downstream of dehumidifiers.

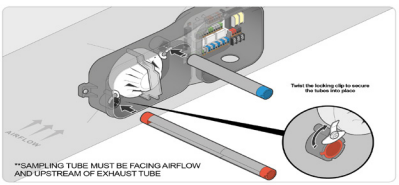
7) To prevent false alarms, the duct detector should not be mounted in areas of extreme high or low temperatures, in areas where high humidity exists, or in areas where the duct may contain gases or excessive dust.

SAMPLING TUBE ASSEMBLY

The RT-3000 Series duct smoke detectors employ a specially notched sampling tube, which must be ordered separately in one of four standard lengths or packaged as FAST Tubes.

STN-1.0	For duct widths of 6" to 1.0'
STN-2.5	For duct widths of 1.0' to 3.0'
STN-5.0	For duct widths of 3.0' to 5.0'
STN-10.0	For duct widths of 5.0' to 10.0'
FASTTUBE	Sectional tube for widths to 8.0'

Standard sampling tubes are steel tubes with air intake holes drilled the entire length of the tube. FAST Tubes are a recognized plastic with an open slot along the length. These tubes can be cut to length and must span at least 80% of the duct width (spanning the entire width is suggested). Sampling tubes over 3.0' must be supported on the opposide side of the duct. To ensure the correct operation of the sample tube, the red end cap (red stopper in installation kit) must be inserted in the end of the air intake tube. For custom duct widths, always use the next longest standard size and cut down to the exact requirement.



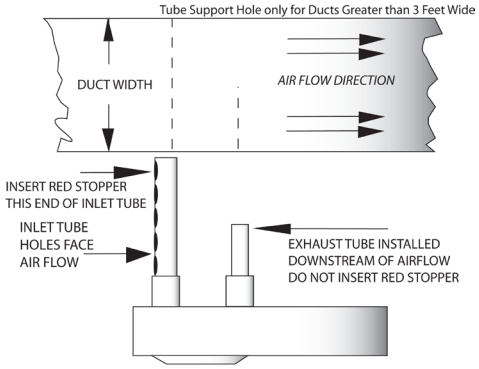
NO-TOOLS TUBE INSTALLATION

The RT-3000 Series duct smoke detector provides a unique, patented mechanism for installation and/or removal of the sampling and exhaust tubes from either the front or rear of the detector housing.

Once the airflow direction has been determined, insert the inlet and exhaust tubes into the duct smoke detector. If the cover is in place, the tubes

may be inserted into the back of the detector via the key-slots provided. Simply push the tube into place against the spring loaded retainer, and turn to the correct position, allowing the key to "lock" the tube in the desired orientation.

For front side installation, simply rotate the tube retainer so that the tube may be inserted and oriented properly. Once the tube is installed, rotate the retainer back into place to lock down the tube. Ensure air intake sampling tube is positioned so that the inlet holes are directly facing the airflow (the air sampling holes are aligned with the notch in the tube).



DUCT PREPARATION

Remove mounting template from the installation kit. Remove paper backing from the mounting template and affix it to the duct at the desired location. Using the template as a guide, drill (2) mounting holes, 3/32" (2.5mm) for the #12 X ½" sheet metal screws packaged in the installation kit. Drill or punch (2) 1¼" (32mm) holes for inlet sampling and exhaust tubes, using the template as a guide. Clean all holes.

MOUNTING

To maintain the Type 4X watertight, corrosion resistant properties of this duct smoke detector, and in accordance with NFPA 70 / the National Electric Code, Listed watertight (outdoor) conduit and fittings must be used. Preferably, mount the product with the conduit holes facing downwards. If vertical mounting is required based on the application, simply orient the sampling tube so it is on the upstream side of the exhaust tube. Vertical house orientaiton is permitted and upside down house orientation is never required.

After securing the sampling and exhaust tubes to the duct smoke unit, (or initially placing the tubes through the 1¼" holes drilled or punched in the HVAC duct to accept the inlet sampling and exhaust tubes and then attaching them to the duct unit), hold the duct unit assembly in position and use (2) # 12 X ½" sheet metal screws (packaged in the installation kit) to secure the duct smoke detector to the HVAC duct sheet metal.

AIR SAMPLING VERIFICATION

To ensure correct operation of the duct unit use a Magnehelic differential pressure gauge, Dwyer 2000 or 4000 Series (or equivalent) to determine the differential pressure between the inlet (high side) and exhaust (low side) tubes. The differential pressure between the two tubes should be greater than 0.01 inches of water and less than 1.8 inches of water.

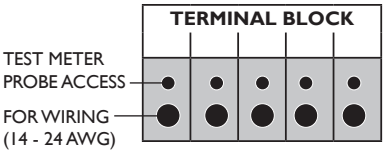
This duct smoke detector is shipped with a velocity adapter insert, factory installed. The adapter needs to be in place for proper installation.

	100 ft/min	300 ft/min	500 ft/min	1,000 ft/min	2,000 ft/min	3.000 ft/min	4,000 ft/min
RT-3000-P			UL Listed ***without*** insert installed (500-4,000 ft/min)				
	UL Listed ***with*** insert installed (100-4,000 ft/min)						

ELECTRICAL INSTALLATION

TERMINAL BLOCK FEATURES AND WIRE PREP

Each terminal features two holes: one (larger) hole for wire plus one (smaller) hole for convenient test meter probe access (patent pending). Wires should be stripped a minimum of ¼", maximum ⅜" for proper connection.





WIRING

Conduit Knockouts: Determine knockout size required based upon installation wiring.

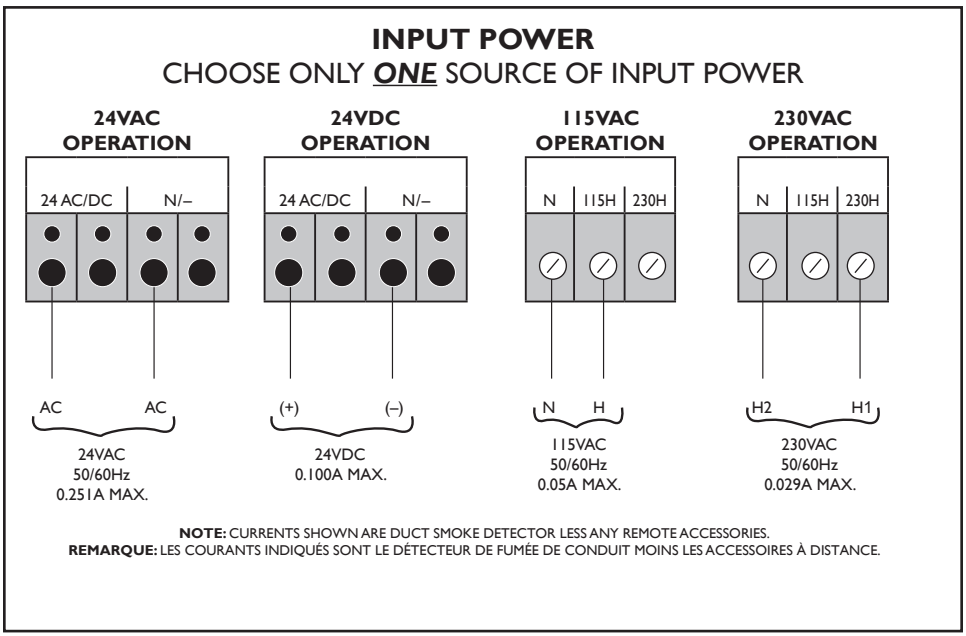
TIP: ¾" knockout is typically used for power

Select knockout. To remove, eliminate the node with a pair of sidecutters or similar, place a screwdriver at the opposite edge of the knockout from the node and tap with a hammer until the knockout breaks out. Clean all holes before installing the proper conduit fitting.

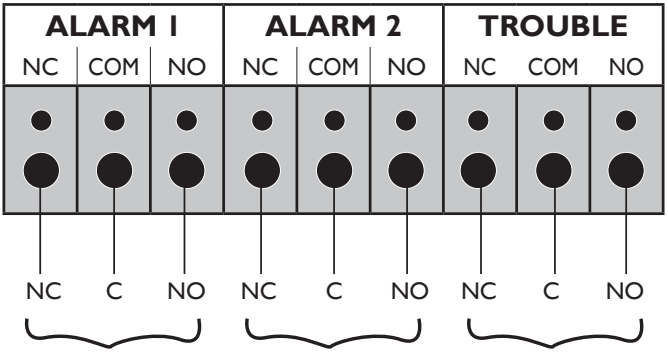
TERMINAL AND POWER CONNECTIONS

Prior to connecting input power to the duct unit, determine the correct input voltage/current availability and ensure it is connected to the correct terminals.

With detector head removed, connect one of the appropriate dedicated power sources to the applicable terminals (see below). Replace detector head and press and hold the cover removal switch (COVER REMOVAL) and the unit will be energized. The green pilot LED will be illuminated, and when pressing the test/reset button (TEST RESET), the red alarm LED will be illuminated. This test confirms the correct basic operation of the duct smoke unit, excluding the detector head (see functional testing).



HVAC USE



FORM "C"
ALARM

FORM "C"
ALARM

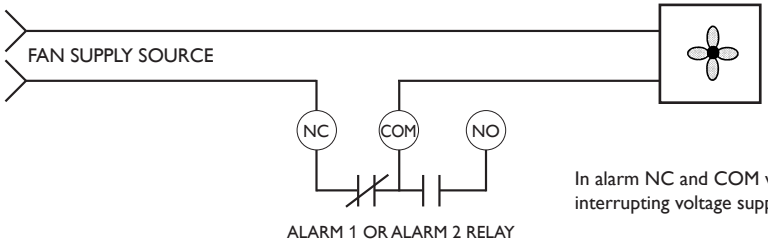
FORM "C"
TROUBLE*

125VAC @ 10A
¼HP @ 125VAC (NC)
⅓HP @ 125VAC (NO)

*TROUBLE CONTACTS ARE SHOWN IN ENERGIZED CONDITION. UNDER NORMAL OPERATION CONTACTS WILL BE HELD AS SHOWN.

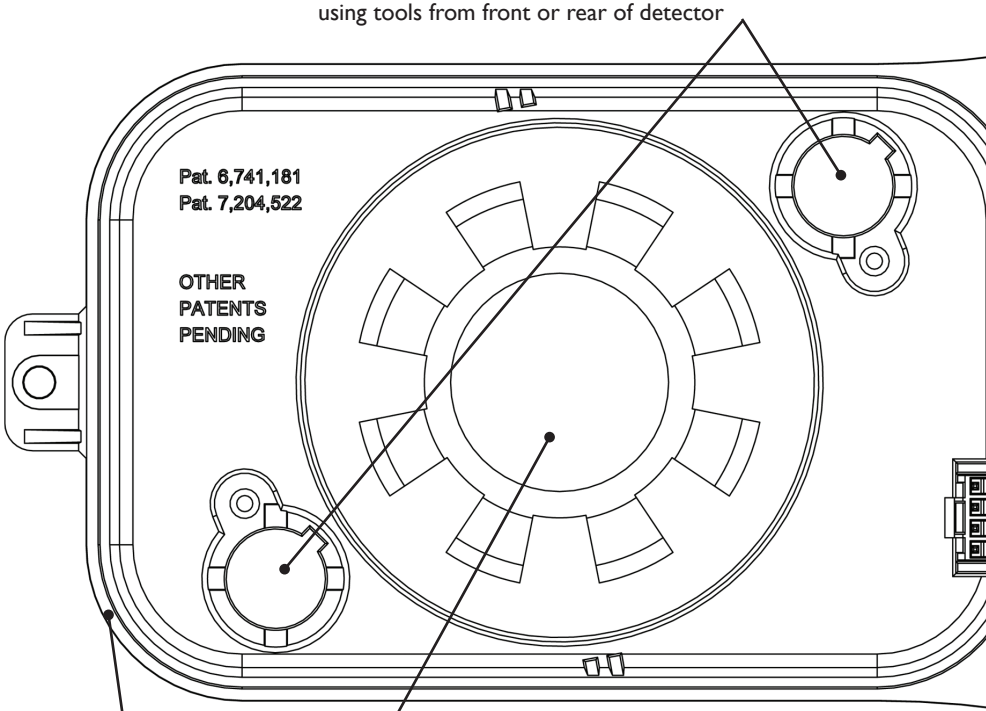
In the event of a fire alarm, certain equipment may be required to be shut down. For example, shut

SHUT DOWN WIRING EXAMPLE



In alarm NC and COM will open, interrupting voltage supply to fan.

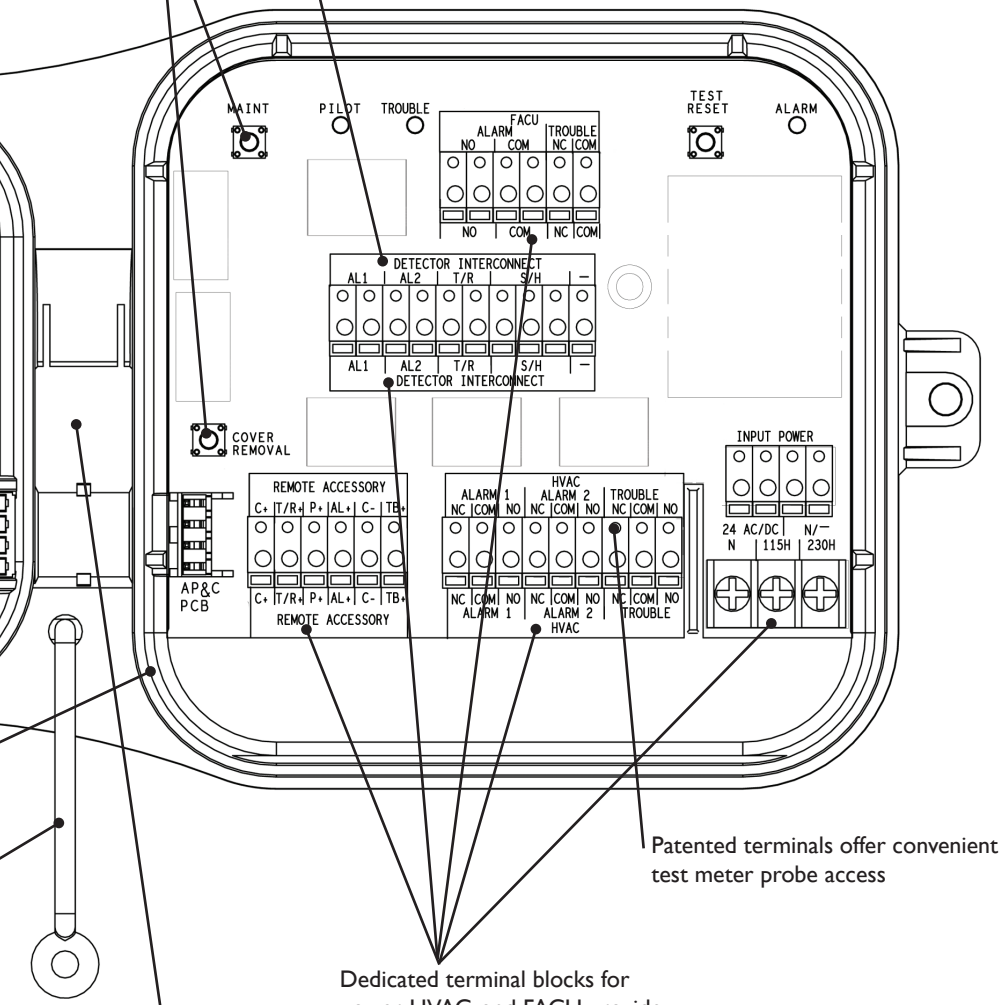
FEATURES REVIEW



*__Type 4X Enclosure - Watertight, Corrosion Resistant__

Patented Maintenance Mode offers 3-minute interval for test and maintenance functions with no extra trouble reports to the system – automatically shuts off when cover latch engages

Interconnect up to 30 Air Products units for common functions:
RT SERIES • SL SERIES • SM SERIES • HS SERIES DUCT DETECTORS

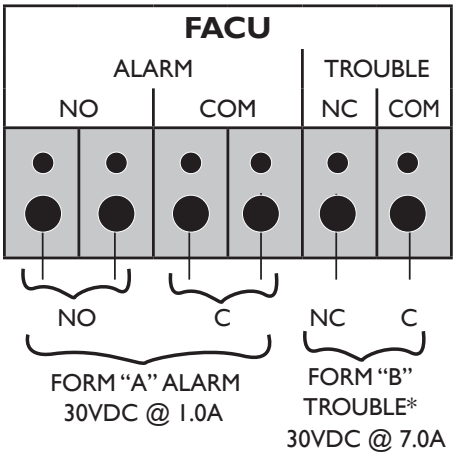


Patented terminals offer convenient test meter probe access

Dedicated terminal blocks for power, HVAC, and FACU provide easier wiring for all trades

Patented cover latch is industry's only no-tools single point cover assembly – when the unit cover is on and the latch is in closed position the RT-3000 is secure, and NEMA 4X watertight

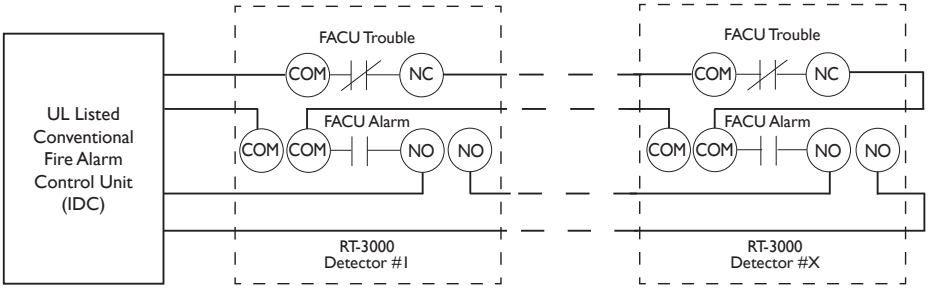
FIRE ALARM CONTROL UNIT WIRING



*TROUBLE CONTACTS ARE SHOWN IN ENERGIZED CONDITION. UNDER NORMAL OPERATION CONTACTS WILL BE HELD AS SHOWN.

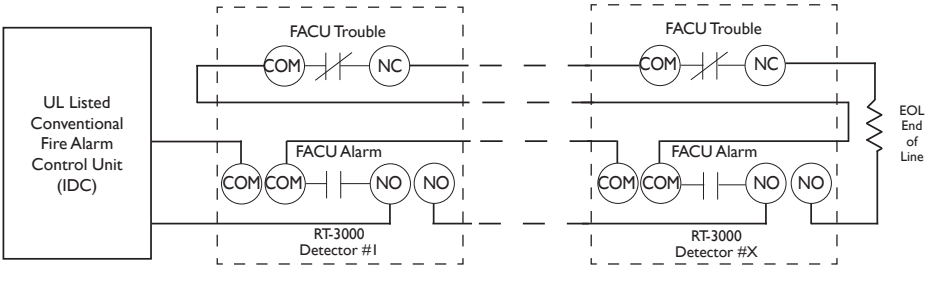
SAMPLE CONTROL UNIT WIRING - STYLE "D" / CLASS "A" IDC

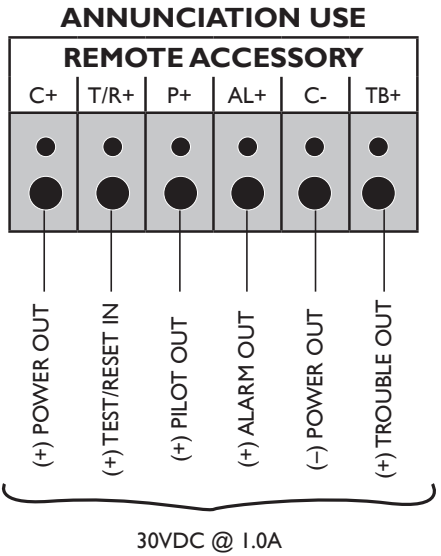
(Supervised - A fault condition will not inhibit an alarm response)



SAMPLE CONTROL UNIT WIRING - STYLE "B" / CLASS "B" IDC

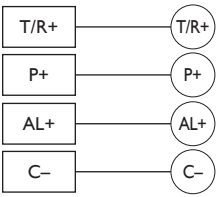
(Supervised - A fault condition will not inhibit an alarm response)



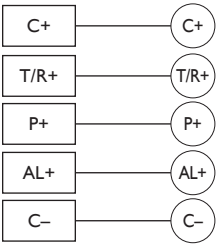


MSR REMOTE ACCESSORY WIRING

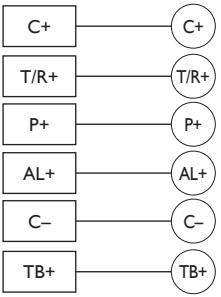
MSR-50 Series
4 terminal block



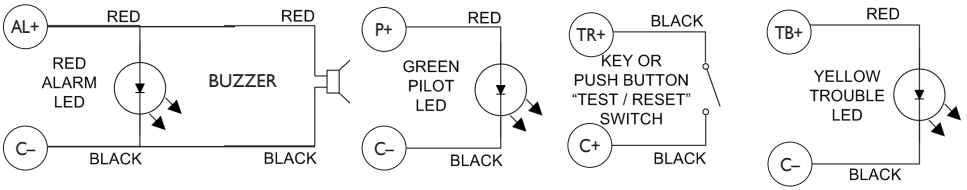
5 terminal block style MSR-100



6 terminal block style MSR-100



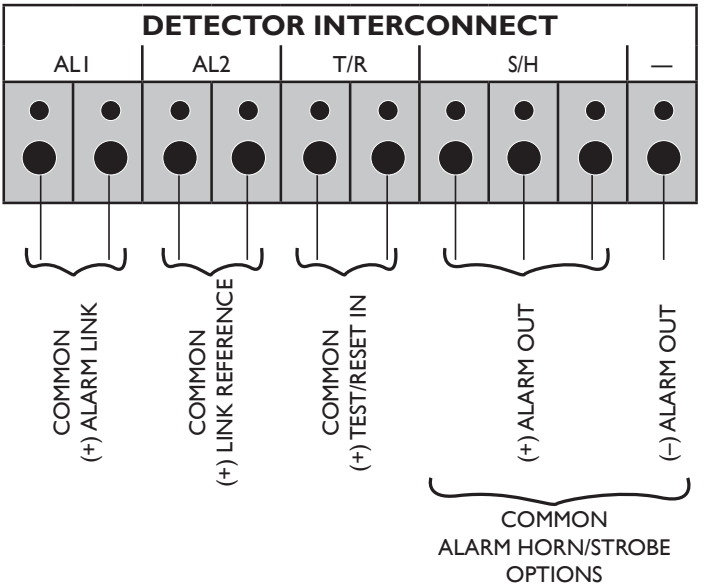
MS REMOTE ACCESSORY WIRING

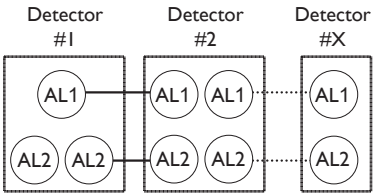


INTERCONNECTION WIRING FOR COMMON FUNCTIONS

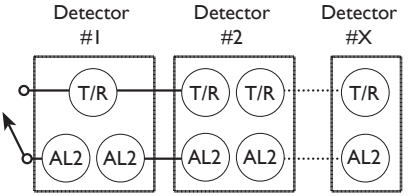
⚠ ***NOTE***:
A common power supply must be used for ***all*** interconnected detectors.

⚠ ***REMARQUE***:
Une alimentation commune doit être utilisée pour tous les détecteurs interconnectés.

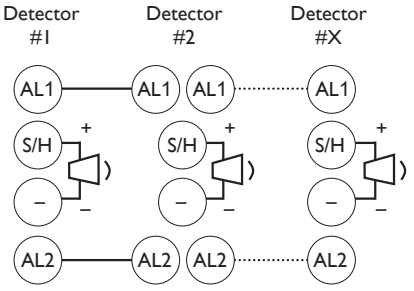




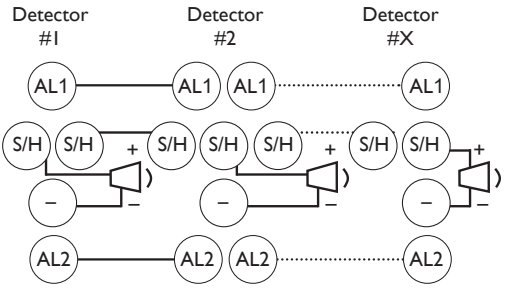
COMMON SHUTDOWN
All alarm relays operate with single alarm.
30 detectors max.



COMMON TEST/RESET
30 detectors max.
(Use normally open test/reset switch)



INDIVIDUAL HORN/STROBE UNITS
All alarm relays operate with single alarm.
Individual horn/strobe units operate on alarmed detector only. 30 detectors max.



COMMON HORN/STROBE UNITS
All alarm relays operate with single alarm.
All horn/strobe units operate on any single alarm. 10 detectors max.

INTERCONNECTION WIRING FOR COMMON FUNCTIONS

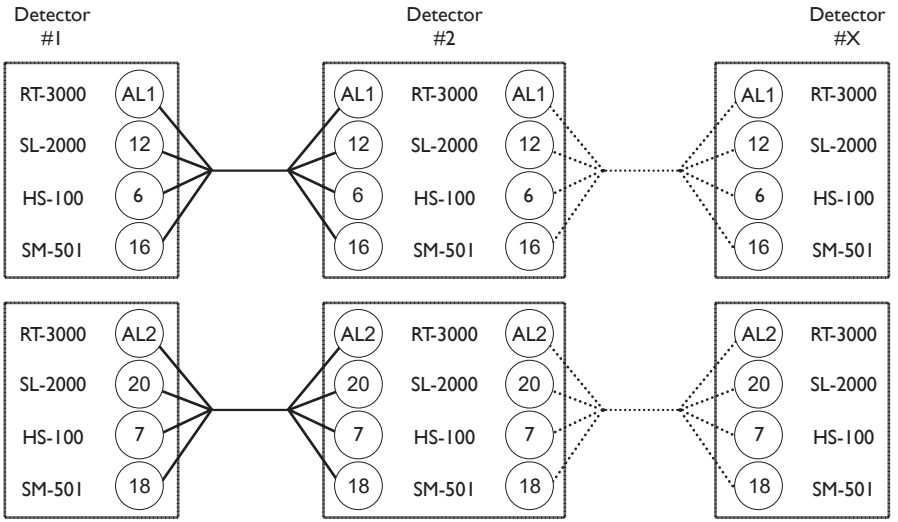
The following diagrams show interconnection of the RT-3000 Series to other duct smoke detectors manufactured by Air Products & Controls, specifically the SL-2000 Series, the HS-100 Special Application Series and the SM-501 Series. Up to 30 Air Products units as described here can be part of your interconnected system.

⚠ ***NOTE***: A common power supply must be used for ***all*** interconnected detectors.

⚠ ***REMARQUE***: Une alimentation commune doit être utilisée pour tous les détecteurs

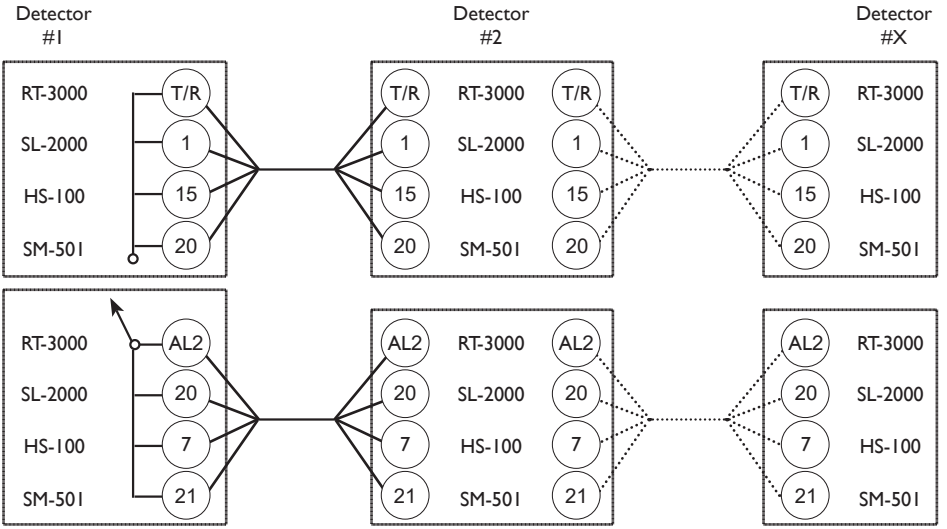
COMMON SHUTDOWN

All alarm relays operate with single alarm. 30 detectors max.



COMMON TEST/RESET

30 detectors max. (Use normally open test/reset switch)



MAINTENANCE MODE & OPERATIONAL TESTING

- ☑ Mount/install RT-3000 appropriately to ductwork/check differential pressure (see page 4).
- ☑ Connect input power and test (see page 5).
- ☑ Connect RT-3000 to FACU / AHU / Remote Accessories (see pages 6-10).
- ☑ Replace cover on the RT-3000 and flip the cover latch into locked (down) position.
- ☑ Ensure RT-3000 is in normal (stand-by) mode and the green PILOT LED is illuminated.

1. Press the black MAINTENANCE button on the front cover to initiate the RT-3000's 3-minute Maintenance Mode.
   - Pressing the MAINTENANCE button a second time within 30 seconds will return the detector to stand-by.
   - Other than above, pressing the MAINTENANCE button a second time while in Maintenance Mode will reset the 3 minute timer. The MAINTENANCE button can be accessed directly from the unit's control board if the cover is not in place.
2. The green PILOT LED will flash while in Maintenance Mode and the cover latched.
3. You are safe to perform test/maintenance functions without extra reports to the system.

DETERMINE CORRECT OPERATION OF THE HEAD

Magnet Test



1. Place the square (short-sided) end of the magnet provided with the installation kit on the grey section of the housing, inline with the area designated "Test Magnet". Allow at least five seconds for alarm initiation.
2. Upon alarm initiation, both the detector head LED and red ALARM LEDs will illuminate. Alarm relays will change state and the alarm related remote accessories, if attached, will function. The green PILOT LED will continue to flash.
3. Remove magnet and reset the detector by pressing the red TEST / RESET button on the front cover.

Smoke Test

1. Using smoke canister with testing nozzle (available from Air Products, part number TG-2000), insert the test gas nozzle into the patented test port on the unit cover.
2. Press can against cover to release gas into the chamber.

⚠ **CAUTION**: DO NOT SPRAY GAS FOR MORE THAN ½ SECOND. OVERUSE OF TEST GAS FACILITY MAY RESULT IN DETECTOR CONTAMINATION.

⚠ **PRUDENCE**: NE VAPORISEZ PAS DE GAZ PENDANT PLUS D'UNE DEMIE SECONDE. UNE UTILISATION EXCESSIVE DE GAZ D'ESSAI PEUT ENTRAÎNER UNE CONTAMINATION DU DÉTECTEUR.

After 15 - 20 seconds the detector head will go into alarm, illuminating both the detector head LED and red ALARM LED on the control board. Duct unit functions will operate, alarm relays will change state, and the alarm related remote accessories, if attached, will function.

3. Lift the cover latch and remove the cover.
4. Clear the smoke from the chamber
5. Press the TEST / RESET button on the control board
6. The green PILOT and yellow TROUBLE LEDs will flash alternately, indicating the unit is in Maintenance Mode while the cover is not in place.

Alternately, if no test gas is available to conduct functional testing:

With detector in Maintenance Mode:

1. Lift the cover latch and remove the cover. The green PILOT and yellow TROUBLE LEDs will flash alternately.
2. Blow smoke from a cotton wick or punk directly at the head to cause an alarm.
3. The alarm indicators described above should illuminate within one minute. Duct unit functions will operate, alarm relays will change state, and the alarm related remote accessories, if attached, will function.
4. Clear the smoke from the chamber

5. Press the TEST / RESET button on the control board
6. The green PILOT and yellow TROUBLE LEDs will flash alternately, indicating the unit is in Maintenance Mode while the cover is not in place.

Test the Trouble Contacts:

With detector in Maintenance Mode and cover removed/hanging from tether:

1. Remove the detector head by twisting it counter-clockwise. The trouble contacts will change state, the yellow TROUBLE LED will change to steady illumination, the green PILOT LED will remain flashing.
2. Twist the detector head back into place, the trouble contacts will change back, the yellow and green LEDs will resume flashing alternately.

Replace the unit's front cover and fully depress the latch lever to verify proper unit and system stand-by (or normal) mode.

Upon proper replacement of the unit's front cover, the Maintenance Mode will automatically be cancelled and the RT-3000 will revert to normal operational (stand-by) status where failure to have the cover properly in place and latched will immediately cause a trouble condition.

The S65A photoelectric detector head (55000-335DCT) operates on the principle of light scatter and will detect smoke particles of between 1 and 10 microns in size.

NOTE: In situations that require a duct smoke detector to be held in an alarm condition for an extended period of time, the magnet test or smoke test methods should be used to ensure the detector is locked into alarm.

NOTE: For the correct installation of a duct smoke detector in Canada please refer to the Standard for the Installation of Fire Alarm Systems, CAN/ULC-S524. The National Building Code of Canada and the National Fire Code of Canada.

NOTE: Pour l'installation correcte d'un détecteur de fumée dans un conduit au Canada, veuillez vous référer à la Norme sur l'installation des systèmes d'alarme incendie, CAN/ULC-S524. Le Code national du bâtiment du Canada et le Code national de prévention des incendies du Canada.

Each installation location must be assessed on its own merits. If the protected area is of a very dirty nature then the RT-3000 duct unit(s) will have to be checked and cleaned on a quarterly basis or when cleaning is required.

As a guideline the smoke detector head should be cleaned every six months or as required. The best methods of cleaning are to vacuum the detector head thoroughly or to blow the detector head out using clean, dry compressed air. Do not use chemicals or non-conforming air to clean the detector head housing as this could contaminate the detector head and damage the casing.

Sampling tubes must be inspected and cleaned in accordance with the schedule as determined above, to allow the free flow of air through both inlet and exhaust tubes.

Consult your local code and AHJ requirements for required maintenance schedules.

IMPORTANT NOTE!

Cover Removal and Replacement

The RT-3000 cover seats firmly against a high-performance rubber gasket. This gasket is durable, requires no maintenance and will provide the weathertight endurance that outdoor enviornments will require over the life of the unit.

To avoid accidental damage to the gasket: When removing the cover from the unit, lift the stainless steel cover latch to its upright position and pull/lift uniformly on the corner tabs for best leverage.

When replacing the cover, be sure the stainless steel cover latch is in its upright position before properly seating the cover straight onto the base. Then fully depress the cover latch.

FOR TECHNICAL SUPPORT CALL TOLL FREE 888-332-2241 OR 248-332-3900

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SMOKE TEST GAS
TG-2000 Solo Aerosol Test Gas with Nozzle for Test Port

NOTCHED SAMPLING TUBES
STN-1.0 For duct widths of 6" to 1.0' STN-2.5 For duct widths of 1.0' to 3.0'
STN-5.0 For duct widths of 3.0' to 5.0' STN-10.0 For duct widths of 5.0' to 10.0'
FAST TUBE Sectional Sampling tube for duct widths up to 8.0'

REPLACEMENT SMOKE DETECTOR HEADS
55000-335DCT Duct Smoke Detector Head Replacement

For more details about APC products and accessories, please visit our website at apcfire.com/products