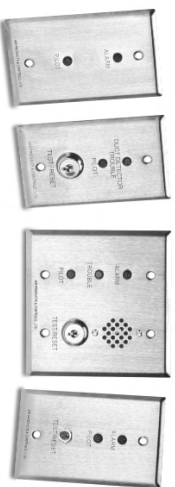


MS SERIES REMOTE ACCESSORIES



Power Requirements:

Alarm LED	15mA @ 24VDC
Trouble LED	15mA @ 24VDC
Pilot LED	15mA @ 24VDC
Alarm Horn	20mA @ 24VDC

Sound Pressure:

78db @ 10 ft	
Dimensions:	Single Gang 4 1/2" (114.3mm)H x 2 1/2" (69.85mm)W
	Double Gang 4 1/2" (114.3mm)H x 4 1/2" (114.3mm)W

Wiring:

LEDs/Horn Switches	6" 24AWG Pigtails
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Approvals:

UL Listed for use with Air Products and Controls duct smoke detectors including all RW- Series, SM- Series and SL- Series duct smoke detectors
 UL URRO.S7425
 CSFM 7300-1004:107
 MEA 73-92-E Vol.25

AVAILABLE ACCESSORIES FOR USE WITH AIR PRODUCTS DUCT SMOKE DETECTORS

REMOTE ACCESSORIES

MS-RA	Remote Alarm
MS-RA/R	Remote Alarm, push button Test/Reset Switch
MS-RA/P/R	Remote Alarm, Pilot, push-button Test/Reset Switch
MS-KAR	Remote Alarm, key-operated Test/Switch
MS-KAP/R	Remote Alarm, Pilot, key-operated Test/Reset Switch
MS-RA/P	Remote Alarm, Pilot
MS-RH	Remote Alarm Horn
MS-RHKA/P/R	Remote Alarm, Pilot, Horn, key-operated Test/Reset Switch
MS-RH/P/A	Remote Alarm, Pilot, Horn
MS-RHKA/P/A/T	Remote Alarm, Trouble, Pilot, Horn, key-operated Test/Reset Switch
MS-RA/P/T	Remote Pilot, Trouble
MS-RA/FT/P	Remote Pilot, Trouble, push-button Test/Reset Switch
MS-KAP/R/T	Remote Pilot, Trouble, key-operated Test/Reset Switch
MS-RD	Remote Alarm
MS-FT	Remote Trouble
SHP24-1575R	Horn/Strobe, red housing, clear cover
SHP24-1575O	Horn/Strobe, white housing, opaque cover
SHP24-1575W	Horn/Strobe, white housing, clear cover

SMOKE TEST GAS

TG-1000	Solo Aerosol Test Gas with Spray Nozzle
TG-2000	Solo Aerosol Test Gas with Nozzle for SL- Series Test Port

SAMPLING TUBES (RW- AND SM- SERIES)

STS-1.0	For duct widths of 6" TO 1.0'	NOTCHED SAMPLING TUBES (SL- SERIES)	For duct widths of 6" TO 1.0'
STS-2.5	For duct widths of 1.0' TO 2.5'	STN-1.0	For duct widths of 1.0' TO 2.5'
STS-5.0	For duct widths of 2.5' TO 5.0'	STN-2.5	For duct widths of 2.5' TO 5.0'
STS-10.0	For duct widths of 5.0' TO 10.0'	STN-5.0	For duct widths of 2.5' TO 5.0'
		STN-10.0	For duct widths of 5.0' TO 10.0'

WEATHERPROOF ENCLOSURES

WP-1	Weatherproof Enclosure for RW- and SM- Series Detectors
WP-2000	Weatherproof Enclosure for SL- Series Detectors

POWER SUPPLIES

T-PB 202-1	24VAC @ 4.0A Class I Power Supply
T-PB 202-0	24VAC @ 4.0A Class I Power Supply
T-PB 303-1	24VAC @ 3.0A Class II Power Supply
T-PB 303-0	24VAC @ 3.0A Class II Power Supply

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 this document should be considered before installing or using the product. Any example applications shown are subject to the most current published 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, are subject to change without notice. For further information or assistance concerning this product, contact Air Products and Controls Inc. Air Products and Controls Inc. reserves the right to change any and all documentation without notice.

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A COPY OF THESE INSTRUCTIONS SHOULD BE LEFT WITH THE EQUIPMENT UNTIL INSTALLATION BY ALL TRADES IS FULLY COMPLETE. FOLLOWING FINAL INSPECTION, A COPY SHOULD BE LEFT WITH THE OWNER/USER.



AIR PRODUCTS AND CONTROLS INC. INSTALLATION INSTRUCTIONS FOR DUCT SMOKE DETECTOR REMOTE ACCESSORIES

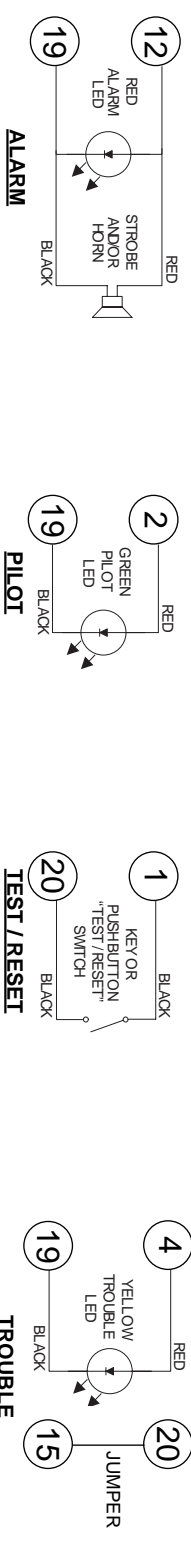
1749 East Highwood • Pontiac, MI 48340 USA • US Toll Free 888.332.2241 • Phone 248.332.3900 • Fax 248.332.8807 • www.ap-c.com

NOTE: For proper installation, testing, operation and maintenance of a duct smoke detector, please refer to the detector installation guide. The following wiring diagrams are applicable only to compatible, current limited, UL Listed remote accessories from Air Products and Controls. Use of any other devices may result in damage to the duct smoke detector, potential injury, and will void any applicable warranties.

SL-2000 Series Duct Smoke Detectors

NOTE: For remote accessories with a Trouble LED (yellow), a jumper wire must be placed between Terminals 20 and 15. The Trouble LED will illuminate when the detector cover is removed, or if the smoke detector head is removed and the cover replaced. Trouble contacts CANNOT be connected to a Fire Alarm Control Panel when using this option without the use of a slave relay.

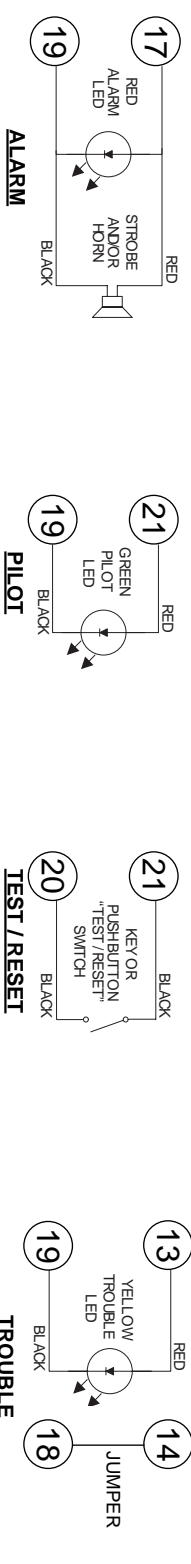
NOTE: If duct smoke detectors are interconnected for common functions, please refer to unit installation guide for proper connection of remote alarm functions.



SM-501 Series Duct Smoke Detectors

NOTE: For remote accessories with a Trouble LED (yellow), a jumper wire must be placed between Terminals 14 and 18. The Trouble LED will illuminate when the smoke detector head is removed. Trouble contacts CANNOT be connected to a Fire Alarm Control Panel when using this option without the use of a slave relay.

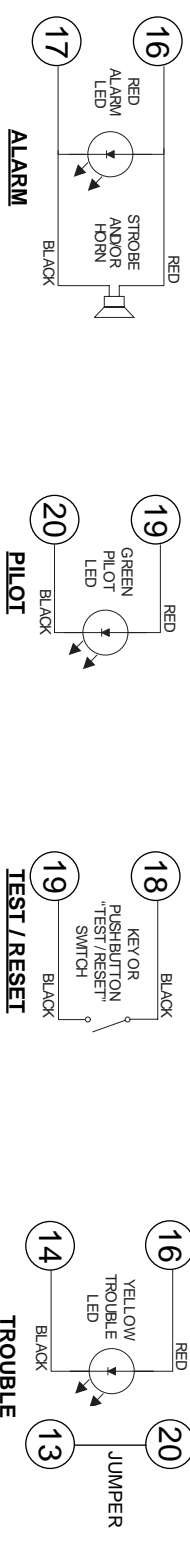
NOTE: If duct smoke detectors are interconnected for common functions, please refer to unit installation guide for proper connection of remote alarm functions.



2650-560APC and 2650-561 APC Duct Smoke Detectors

NOTE: For remote accessories with a Trouble LED (yellow), a jumper wire must be placed between Terminals 20 and 13. The Trouble LED will illuminate when the smoke detector head is removed. Trouble contacts CANNOT be connected to a Fire Alarm Control Panel when using this option without the use of a slave relay.

NOTE: If duct smoke detectors are interconnected for common functions, please refer to unit installation guide for proper connection of remote alarm functions.

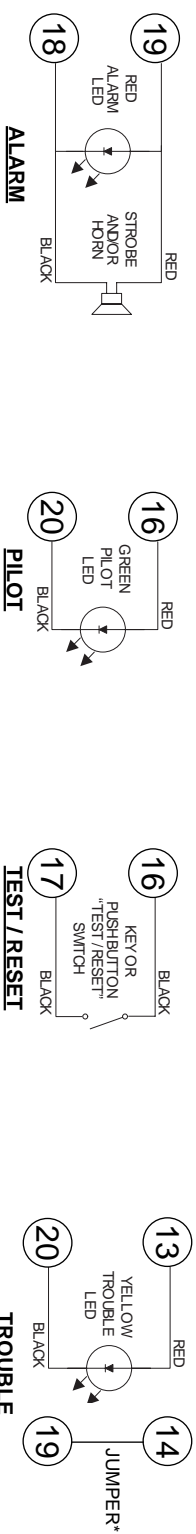


RWJ Series Duct Smoke Detectors
RWF Series Duct Smoke Detectors
RWX Series Duct Smoke Detectors
RWL Series Duct Smoke Detectors
RWH Series Duct Smoke Detectors

△ **NOTE:** For RWJ Series duct smoke detectors, no jumper is required for remote accessory Trouble connections. A Trouble LED (yellow) connected to Terminals 13 and 20 will illuminate when the smoke detector is removed. If the trouble contacts of the RWJ Series detector are being used for other switching applications, or for connection to a Fire Alarm Control Panel, the on-board RWJ option jumper must be removed (cut). Failure to remove the RWJ option jumper could result in damage to the Fire Alarm Control Panel or other connected equipment.

△ **NOTE:** For connection of remote accessories with a Trouble LED (yellow) to the RWF Series, RWX Series, RWL Series and RWH Series, a jumper wire must be placed between Terminals 14 and 19. The Trouble LED will illuminate when the smoke detector head is removed. Trouble contacts CANNOT be connected to a Fire Alarm Control Panel when using this option without the use of a slave relay.

△ **NOTE:** If duct smoke detectors are interconnected for common functions, please refer to unit installation guide for proper connection of remote alarm functions.

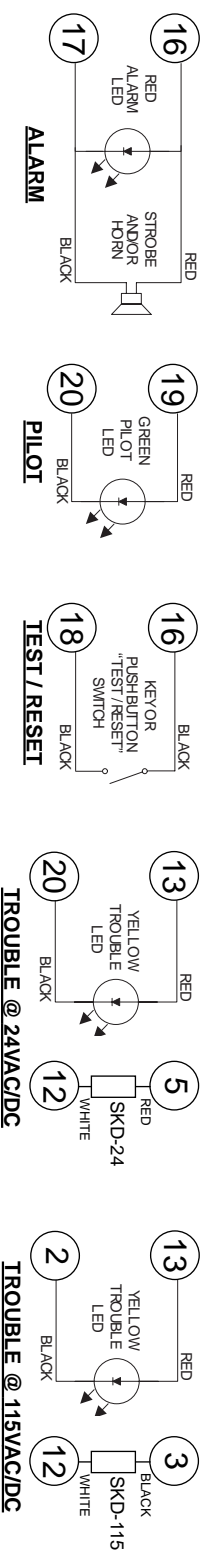


*Jumper not required for RWJ Series Duct Smoke Detectors

RW-UNI Series Duct Smoke Detectors

△ **NOTE:** For remote accessories with a Trouble LED (yellow), an SKD-115 jumper (available from Air Products and Controls Inc.) must be placed between Terminals 3 and 12. The Trouble LED will illuminate when the smoke detector head is removed. Trouble contacts CANNOT be connected to a Fire Alarm Control Panel when using this option without the use of a slave relay.

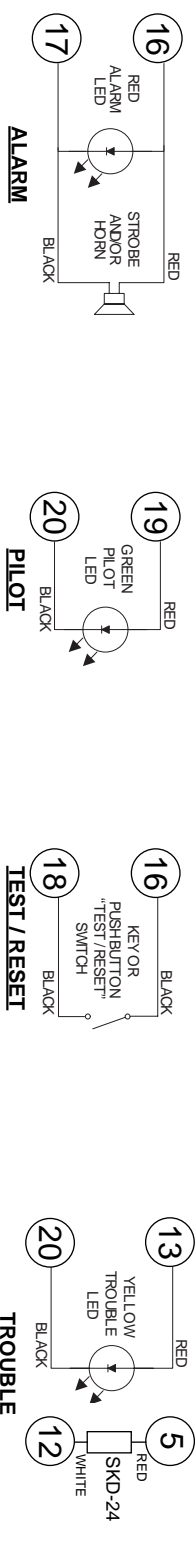
△ **NOTE:** If duct smoke detectors are interconnected for common functions, please refer to unit installation guide for proper connection of remote alarm functions.



RW-024 Series Duct Smoke Detectors

△ **NOTE:** For remote accessories with a Trouble LED (yellow), an SKD-24 jumper (available from Air Products and Controls Inc.) must be placed between Terminals 5 and 12. The Trouble LED will illuminate when the smoke detector head is removed. Trouble contacts CANNOT be connected to a Fire Alarm Control Panel when using this option without the use of a slave relay.

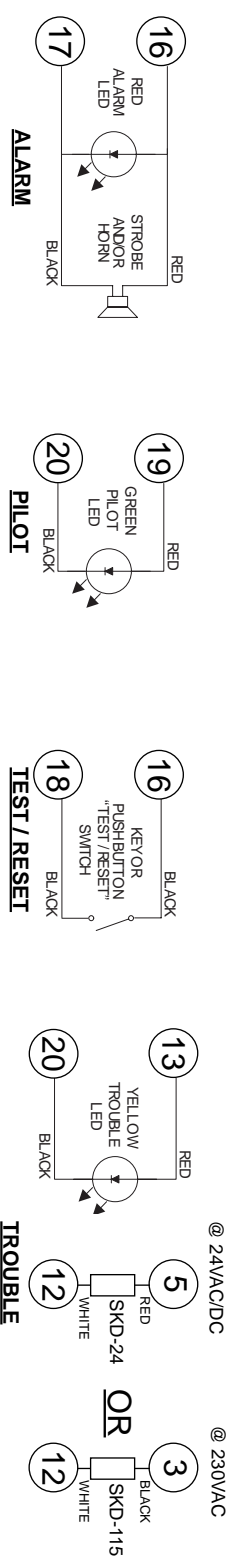
△ **NOTE:** If duct smoke detectors are interconnected for common functions, please refer to unit installation guide for proper connection of remote alarm functions.



RW-230/24 Series Duct Smoke Detectors

△ **NOTE:** For remote accessories with a Trouble LED (yellow), an SKD-115 or SKD-24 jumper (available from Air Products and Controls Inc.) must be placed between Terminals 5 and 12. The Trouble LED will illuminate when the smoke detector head is removed. Trouble contacts CANNOT be connected to a Fire Alarm Control Panel when using this option without the use of a slave relay.

△ **NOTE:** If duct smoke detectors are interconnected for common functions, please refer to unit installation guide for proper connection of remote alarm functions.



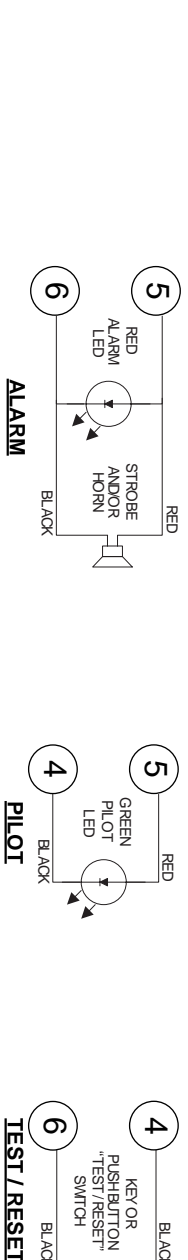
RW-AA Series Duct Smoke Detectors

△ **NOTE:** When alarm horn is connected, the sound pressure is weaker than usual. A strobe cannot be used directly with this detector.



RW-AR Series Duct Smoke Detectors
RW-ARL Series Duct Smoke Detectors

△ **NOTE:** Remote accessory terminals 4, 5 and 6 are not supervised, and the output voltage (24VDC) will be present when the duct detector is in the appropriate monitored condition.



RW-DC Series Duct Smoke Detectors

