## MS SERIES REMOTE ACCESSORIES

### Power Requirements
- **Alarm LED**: 15mA @ 24VDC
- **Trouble LED**: 15mA @ 24VDC
- **Pilot LED**: 25mA @ 24VDC
- **Alarm Horn**: 28mA @ 24VDC

### Sound Pressure
- 75 db @ 10 ft

### Dimensions
- **Single Gang**: 4½” (114.3mm)H x 4½” (114.3mm)W
- **Double Gang**: 4½” (114.3mm)H x 4½” (114.3mm)W

### Wiring
- LEDs/Horn: 8” 22AWG Pigtails
- Switches: 8” 22AWG Pigtails

### Approvals
- UL Listed for use with Air Products and Controls duct smoke detectors including all Win Series, SM- Series and SL- Series duct smoke detectors

### 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**: Remote Alarm, push button Test/Reset Switch
- **MS-RA/A**: Remote Alarm, key-operated Test/Reset Switch
- **MS-RA/P/R**: Remote Alarm, Pilot, key-operated Test/Reset Switch
- **MS-RA**: Remote Alarm, Pilot
- **MS-RH**: Remote Alarm Horn
- **MS-RH/A/P**: Remote Alarm, Pilot, Horn, key-operated Test/Reset Switch
- **MS-RH/A/P/R**: Remote Alarm, Pilot, Horn, key-operated Test/Reset Switch
- **MS-RA/A/P/T**: Remote Alarm, Trouble, Pilot, Horn, key-operated Test/Reset Switch
- **MS-RA/A/P/R/T**: Remote Alarm, Trouble, Pilot, Horn, key-operated Test/Reset Switch
- **MS-RA/P/T**: Remote Alarm, Trouble, key-operated Test/Reset Switch
- **MS-RA/A/P/R/T**: Remote Alarm, Trouble, key-operated Test/Reset Switch
- **MS-RA/D**: Remote Alarm
- **MS-RA/T**: Remote Trouble
- **SHP41/1575A**: Horn/Sirene, red housing, clear cover
- **SHP41/1575O**: Horn/Sirene, white housing, opaque cover
- **SHP41/1575W**: Horn/Sirene, white housing, clear cover

#### SMOKE TEST GAS
- **TG-1000**: Solo Aerosol Test Gas with Snyt Nozzle
- **TG-2000**: Solo Aerosol Test Gas with Nozzle for SL- Series Test Port

#### SAMPLING TUBES (RW- AND SM- SERIES)

<table>
<thead>
<tr>
<th>Diameter</th>
<th>Length</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>STS-1.0</td>
<td>6’</td>
<td>For duct widths of 6’ TO 10’</td>
</tr>
<tr>
<td>STS-2.5</td>
<td>6’</td>
<td>For duct widths of 10’ TO 25’</td>
</tr>
<tr>
<td>STS-5.0</td>
<td>6’</td>
<td>For duct widths of 25’ TO 50’</td>
</tr>
<tr>
<td>STS-10.0</td>
<td>6’</td>
<td>For duct widths of 50’ TO 100’</td>
</tr>
</tbody>
</table>

#### 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 II 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 version of the document. The information contained in this document should be considered before installing or using the product. The manufacturer reserves the right to make technical changes without notice. The manufacturer will not be responsible for any loss or damage caused by any errors or omissions in this document.

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### INSTALLATION INSTRUCTIONS FOR DUCT SMOKE DETECTOR

#### AIR PRODUCTS AND CONTROLS INC.

**25 Corporate Drive • Auburn Hills, MI 48006 USA • USA Toll Free 888.332.2241 • Phone 248.332.8907 • www.apic.com**

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**NOTE:** For proper installation, testing, and operation 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.

**REMARKAR:** 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.

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### HS-100 Series Duct Smoke Detectors

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

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### SM-501 Series Duct Smoke Detectors

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

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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 OWNERS/USER.
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-DC 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.