



Duct Smoke Detector Accessories

Expand the versatility of the Innovair™ line of duct smoke detectors with System Sensor notification and test accessories.



Available Accessories

| | |
|---------------|----------------------------------|
| APA451 | Piezo Annunciator |
| MHR | Mini-Horn, Red |
| MHW | Mini-Horn, White |
| PS24LO | Mini-Alert Add-on Strobe (red) |
| PS24LOW | Mini-Alert Add-on Strobe (white) |
| PS12/24SLENSW | Wall-Mount "SMOKE" Lens |
| RA400Z | Remote Annunciator |
| RTS451 | Remote Test Station |
| RTS451KEY | Remote Test Station with Key |
| SSK451 | Multi-Signaling Accessory |

These products add functionality to the duct detection system by allowing quick, convenient inspections at eye level and effective audible and visible notification options. All System Sensor duct detectors and accessories are UL listed.

The **APA451** piezo annunciator provides an audible alarm signal, a red LED to indicate alarm status, and a green LED to indicate power status. It is intended for use with System Sensor 4-wire conventional duct smoke detector applications without a system control panel, to comply with NFPA 90A.

The **MHR and MHW** SpectrAlert® Advance mini-horns feature temporal or continuous tones at high and low volume settings. These horns are ideal for applications, where a small notification device is desired. Their small footprint allows mounting to single gang back boxes for aesthetically sensitive applications.

The **PS24LO and PS24LOW** mini alert add-on strobes can be attached to the SSK451 multi-signaling accessory for visual alarm signaling. The **PS12/24SLENSW** "SMOKE" lens is available to meet special code requirements in certain jurisdictions.

The **RA400Z** remote annunciator is designed for both conventional and intelligent applications. The red LED provides visual indication of an alarm condition.

The **RTS451 and RTS451KEY** remote test stations are automatic fire detector accessories designed to test duct detectors from a more convenient location. For 4-wire detectors, the RTS451KEY test station features a multi-colored LED that alternates between steady green and red. For 2-wire detectors, the LED illuminates red for alarm.

The **SSK451** multi-signaling accessory is designed to work with System Sensor 4-wire conventional duct smoke detectors. It combines a horn feature with the key-activated test and reset functions. Green, amber, and red LEDs indicate power, trouble, and alarm conditions, respectively.

Agency Listings



Specifications, Duct Smoke Detector Accessories

| APA451 Piezo Annunciator | |
|---|--|
| Voltage | Regulated 24 VDC |
| Operating Voltage | 16 to 33 VDC |
| Maximum Alarm Current | 30 mA |
| Temperature Range | -10°C to 38°C (14°F to 100°F) |
| Relative Humidity | 95% non-condensing |
| Wire Gauge | 14 to 18 AWG |
| Dimensions | 4.6 in H x 2.75 in W x 1.5 in D |
| MHR/MHW SpectraAlert® Advance Mini-Horns | |
| Voltage | Regulated 12 DC or FWR (Full Wave Rectified) or Regulated 24VDC or FWR |
| Operating Voltage | 8 to 33 VDC (9 to 33 VDC with Sync-Circuit™ Module) |
| Sounder Current Draw | 22 mA RMS max at 8 to 17.5 Volts DC 17 mA RMS max at 8 to 17.5 Volts FWR 29 mA RMS max at 16 to 33 Volts DC 25 mA RMS max at 16 to 33 Volts FWR |
| Temperature Range | 0°C to 49°C (32°F to 120°F) |
| Humidity Range | 10 to 93% non-condensing |
| Nominal Sounder Frequency | 3 kHz |
| Wire Gauge | 12 to 18 AWG |
| Dimensions | 4.6 in H x 2.9 in W x 0.45 in D |
| PS24LO/PS24LOW Mini-Alert™ Add-on Strobes | |
| Voltage | 24 VDC |
| Temperature Range | 0°C to 49°C (32°F to 120°F) |
| Wire Gauge | 12 to 18 AWG |
| Dimensions | 3.8 in H x 1.6 in W x 1.6 in D |
| RA400Z Remote Annunciator | |
| Voltage Range | Conventional System: 3.1 to 32 VDC Intelligent System: 18 to 32 VDC |
| Maximum Alarm Current | 10 mA |
| Dimensions | 4.6 in H x 2.8 in W x 1.3 in D |

| RTS451 Remote Test Station | |
|----------------------------|---|
| Power Requirements | Alarm LED: 2.8 to 32VDC, 10 mA max. Total Current: 105 mA max. |
| Test Switch | 10 VA @ 32 VDC |
| Reset Switch | 10 VA @ 32 VDC |
| Alarm Response Time | 40 seconds max. |
| Temperature Range | -10°C to 60°C (14°F to 140°F) |
| Relative Humidity | 95% non-condensing |
| Wire Gauge | 14 to 18AWG |
| Dimensions | 4.6 in H x 2.75 in W x 1.8 in D |

| RTS451KEY Remote Test Station with Key | |
|--|--|
| Power Requirements | Power LED (Green): 14 to 35 VDC, 12 mA max. Alarm LED (Red): 2.8 to 32VDC, 7.5 mA max. Total Current: 103 mA maximum |
| Alarm Response Time | 40 seconds maximum |
| Temperature Range | -10°C to 60°C (14°F to 140°F) |
| Relative Humidity | 95% non-condensing |
| Wire Gauge | 14 to 18 AWG |
| Dimensions | 4.6 in H x 2.75 in W x 1.8 in D |

| SSK451 Multi-signaling Accessory | |
|----------------------------------|--|
| Voltage | 24 VDC |
| Power Requirements | Standby: 8 mA Trouble: 16 mA Alarm without strobe: 40 mA Alarm with strobe: 65 mA |
| Sounder | 87 dBA at ten feet |
| Temperature Range | -10°C to 60°C (14°F to 140°F) |
| Relative Humidity | 95% non-condensing |
| Wire Gauge | 14 to 22 AWG |
| Dimensions | 4.8 in H x 4.7 in W x 1.5 in D |

For the very latest product specifications and listing information, please visit the System Sensor web site at www.systemsensor.com.



RTS451 UL S4011



RTS451KEY UL S2522



APA451 UL S4011



SSK451 UL S2522



RA400Z UL S2522



MHW UL S4011



MHR UL S4011



SSK451 with PS24LOW strobe and PS12/24 LENS lens



3825 Ohio Avenue • St. Charles, IL 60174
Phone: 800-SENSOR2 • Fax: 630-377-6495

©2008 System Sensor.
Product specifications subject to change without notice. Visit www.systemsensor.com for current product information, including the latest version of this data sheet.
A05-0375-001 • 0/08 • #1921