



Duct Smoke Detector Accessories

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



Available Accessories

APA151	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 **APA151** piezo annunciator, which replaces the APA451 with a new, improved look, 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

APA151 Piezo Annunciator	
Voltage	Regulated 24 VDC
Operating Voltage	16 to 33 VDC
Maximum Alarm Current	30 mA
Temperature Range	0°C to 49°C (32°F to 120°F)
Relative Humidity	10 to 93% non-condensing
Wire Gauge	12 to 18 AWG
Dimensions	4.6 in H x 2.9 in W x .45 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 32 VDC, 7.5 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 18 AWG
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 32 VDC, 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



APA151 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.
A05-0375-003 • 6/08 • #1991