Innovair™

Duct Smoke Detector Accessories

SYSTEM SENSOR®

Models Available

APA451	Piezo Annunciator
RA400Z	Remote Annunciator
RTS451	Remote Test Station
RTS451KEY	Remote Test Station with Key
SSK451	Multi-Signaling Accessory
PA400R	Mini-Alert Sounder (red)
PA400W	Mini-Alert Sounder (white)
PS24LO	Mini-Alert Add-on Strobe (red)
PS24LOW	Mini-Alert Add-on Strobe (white)
PS12/24SLENSW	Wall-Mount "SMOKE" Lens

Product Overview

System Sensor provides system flexibility with a variety of accessories, including three remote test devices and several different means of visible and audible system annunciation. Like System Sensor's duct detectors, all duct smoke detector accessories are UL listed.

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

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

RTS451 and RTS451KEY The RTS451 and RTS451KEY are automatic fire detector accessories designed to test remotely located duct detectors. For 4-wire detectors, the RTS451KEY features a multi-colored LED that alternates between steady green and red. For 2-wire detectors, the LED illuminates red for alarm.

SSK451 The SSK451 multi-signaling accessory is designed for use 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 provide visual indication of power, trouble and alarm conditions, respectively.

PA400R and PA400W The PA400 models are 90dBA pulsed sounders for applications where a smaller notification device is required. The PS24LO and PS24LOW add-on strobes can be attached for visual alarm signaling.

PS24LO and PS24LOW The PS24LO and PS24LOW strobes can be attached to the PA400 or SSK451 for visual alarm signaling. The PS12/24SLENSW "SMOKE" lens is available to meet special code requirements in certain jurisdictions.

APA451 UL S4011

RA400Z UL S2522

RTS451 UL S2522

RTS451KEY UL S2522

SSK451 UL S2522

SSK451 with PS24LOW strobe and PS12/24LENSW "SMOKE" lens

PA400W UL S4011

PA400 with PS24LOW add-on strobe

UL LISTED

APA451 Specifications

Voltage
Regulated 24VDC

Operating Voltage
16–33VDC

Maximum Alarm Current
30mA

Temperature Range
–10°C to 38°C (14°F to 100°F)

Relative Humidity
95% non-condensing

Wire Gauge
14 to 18AWG

Dimensions
4.6"H × 2.75"W × 1.5"D

PA400 Specifications

Voltage
12/24VDC

Temperature Range
–10°C to 60°C (14°F to 140°F)

Wire Gauge
12 to 18AWG

Dimensions
4.6" × 2.8" × 1.4"

RA400Z Specifications

Voltage Range
Conventional System: 3.1 to 32VDC
Intelligent System: 18 to 32VDC

Maximum Alarm Current
10mA

Dimensions
4.6" × 2.8" × 1.3"

RTS451 Specifications

Power Requirements
Alarm LED: 2.8–32VDC, 10mA max.
Total Current: 105mA max.

Test Switch
10VA @ 32VDC

Reset Switch
10VA @ 32VDC

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"H × 2.75"W × 1.8"D

PS24L0 Specifications

Voltage
24VDC

Temperature Range
0°C to 49°C (32°F to 120°F)

Wire Gauge
12 to 18AWG

Dimensions
3.8" × 1.6" × 1.6"

SSK451 Specifications

Voltage
24VDC

Power Requirements
Standby: 8mA
Trouble: 16mA
Alarm without strobe: 40mA
Alarm with strobe: 65mA

Sounder
87dBA at ten feet

Temperature Range
–10°C to 60°C (14°F to 140°F)

Relative Humidity
95% non-condensing

Wire Gauge
14 to 22AWG

Dimensions
4.8"H × 4.7"W × 1.5"D

RTS451KEY Specifications

Power Requirements
Power LED (Green): 14–35VDC, 12mA max.
Alarm LED (Red): 2.8–32VDC, 7.5mA max.
Total Current: 103mA 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 18AWG

Dimensions
4.6"H × 2.75"W × 1.8"D

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

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