



## Duct Smoke Detector Accessories

*Expand the versatility of the InnovairFlex™ 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             |
| RA100Z/RA100ZA | Remote Annunciator           |
| RTS151         | Remote Test Station          |
| RTS151KEY      | Remote Test Station with Key |
| RTS2           | Multi-Signaling Accessory    |
| AOS            | Add-On Strobe                |
| RTS2-AOS       | Multi-Signaling Accessory    |

**Duct smoke detector accessories** add functionality to the duct smoke detection system by allowing quick, convenient inspections at eye level and effective audible and visible notification options. All System Sensor duct smoke 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. Their small footprint allows mounting to single-gang back boxes for applications where a small device is desired.

The **RA100Z and RA100ZA** remote annunciators are designed for both conventional and intelligent applications. Their red LED provides visual indication of an alarm condition.

The **RTS151 and RTS151KEY** remote test stations are automatic fire detector accessories designed to test duct smoke detectors from a convenient location. For 4-wire detectors, the RTS151KEY 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 **RTS2 and RTS2-AOS** multi-signaling accessories are designed to work with InnovairFlex 4-wire conventional duct smoke detectors. These accessories include a key switch that can be used to select one of two connected sensors to be tested, reset, or both by a push button switch. They also enable sensitivity measurements using the SENS-RDR sensitivity reader (sold separately). The AOS (Add-On Strobe) is an optional accessory included with the RTS2-AOS model.

### 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" H x 2.9" W x .45" D    |

| MHR/MHW SpectraAlert® Advance Mini-Horns |                                                                             |
|------------------------------------------|-----------------------------------------------------------------------------|
| Voltage                                  | Regulated 12 DC or FWR (Full Wave Rectified) or Regulated 24 VDC or FWR     |
| Sounder Current Draw                     | 22 mA RMS max. at 8 to 17.5 Volts DC<br>29 mA RMS max. at 16 to 33 Volts DC |
| 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" H x 2.9" W x 0.45" D                                                   |

| RA100Z/RA100ZA Remote Annunciator |                                                                        |
|-----------------------------------|------------------------------------------------------------------------|
| Voltage Range                     | Conventional System: 3.1 to 32 VDC<br>Intelligent System: 18 to 32 VDC |
| Maximum Alarm Current             | 10 mA                                                                  |
| Dimensions                        | 4.6" H x 2.8" W x 1.3" D                                               |

| RTS151 Remote Test Station |                                                                    |
|----------------------------|--------------------------------------------------------------------|
| Power Requirements         | Alarm LED: 2.8 to 32 VDC, 12 mA max.<br>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                 | 4.8" H x 2.90" W x 1.4" D                                          |

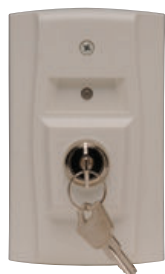
| RTS151KEY Remote Test Station with Key |                                                                                                                         |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------|
| Power Requirements                     | Power LED (Green): 14 to 35 VDC, 12 mA max.<br>Alarm LED (Red): 2.8 to 32 VDC, 12 mA max.<br>Total Current: 105 mA max. |
| 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" H x 2.75" W x 1.8" D                                                                                               |

| RTS2 and RTS2-AOS Multi-signaling Accessory |                                                                                                                    |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| Voltage                                     | 20 to 29 VDC                                                                                                       |
| Power Requirements                          | Standby: 3.0 mA max.<br>Trouble: 16.0 mA max.<br>Alarm without strobe: 30 mA max.<br>Alarm with strobe: 55 mA max. |
| Sounder                                     | 85 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" W x 5.3" H x 1.6" D                                                                                           |

For the very latest product specifications and listing information, please visit the System Sensor Web site at [www.systemsensor.com](http://www.systemsensor.com).



**RTS151** UL S4011



**RTS151KEY** UL S2522



**APA151** UL S4011



**RTS2-AOS** UL S2522



**RA100Z** UL S2522



**MHW** UL S4011



**MHR** UL S4011



**AOS**



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