



by Honeywell

# InnovairFlex™ Series Duct Smoke Detector Accessories

## Description

The InnovairFlex Series Duct Smoke Detector accessories add functionality to the Duct Detection System. These accessories are designed to provide quick and convenient, accessibility for visual inspections and they offer effective audible and visible notification options. All Gamewell-FCI duct detectors and accessories are UL® Listed.

The following duct smoke detector accessories are available.

- |                  |                              |
|------------------|------------------------------|
| • 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    |

The **APA151** piezo annunciator replaces the APA451 with a new and improved look. It provides the following:

- An audible alarm signal.
- A red LED to indicate alarm status.
- A green LED to indicate power status.

It is intended for use with the Gamewell-FCI 4-wire conventional duct smoke detector applications without a system control panel, to comply with NFPA 90A.

The **MHR** and **MHW SpectraAlert®** Advance mini-horns feature temporal or continuous tones that provide high and low volume settings. Their small footprint allows mounting to single-gang backboxes and are used for applications where a small device is desired.

The **RA100Z** and **RA100ZA** remote annunciators are designed for both conventional and intelligent applications. The 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.

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## Notification and Test Accessories



InnovairFlex-Series Accessories

## Features

- APA151 piezo annunciator offers a new style and provides enhanced audible alarm signals.
- MRH and MHW SpectraAlert Advance mini-horns feature temporal and continuous tones for both high and low volume settings.
- RA100Z and RA100ZA remote annunciators flexible versatility are used for both conventional and intelligent applications.
- RTS151 and RTS151KEY remote test stations are designed to test duct detectors from remote locations.
- RTS2 and RTS2-AOS multi-signaling accessories are used with the InnovairFlex 4-wire conventional duct smoke detectors.

SIGNALING



LISTED  
URRQ.S2522



7300-1653:0212



**GAMEWELL-FCI**

12 Clintonville Road, Northford, CT 06472-1610 USA • Tel: (203) 484-7161 • Fax: (203) 484-7118

Specifications are for information only, are not intended for installation purposes, and are subject to change without notice. No responsibility is assumed by Gamewell-FCI for their use.

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## Description (Continued)

The **RTS2** and **RTS2-AOS** multi-signaling accessories are designed to operate with the 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 pressing 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.

### Specifications, Duct Smoke Detector Accessories

#### APA151 Piezo Annunciator

<b>Voltage:</b>	Regulated 24 VDC
<b>Operating Voltage:</b>	16 to 33 VDC
<b>Maximum Alarm Current:</b>	30 mA
<b>Temperature Range:</b>	0°C to 49°C (32°F to 120°F)
<b>Relative Humidity:</b>	10 to 93% non-condensing
<b>Wire Gauge:</b>	12 to 18 AWG
<b>Dimensions:</b>	4.6" H x 2.9" W x .45" D (11.6 H x 7.3 W x 1.1 D cm)

#### MHR/MHW SpectrAlert® Advance Mini-Horns

<b>Voltage:</b>	Regulated 12 DC or FWR (Full Wave Rectified) or Regulated 24 VDC or FWR
<b>Operating Voltage:</b>	8 to 33 VDC (9 to 33 VDC with SyncCircuit™ Module)
<b>Sounder Current Draw:</b>	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
<b>Temperature Range:</b>	0°C to 49°C (32°F to 120°F)
<b>Humidity Range</b>	10 to 93% non-condensing
<b>Nominal Sounder Frequency:</b>	3 kHz
<b>Wire Gauge:</b>	12 to 18 AWG
<b>Dimensions</b>	4.6" H x 2.9" W x 0.45" D (11.6 H x 7.3 W x 1.1 D cm)

#### RA100Z/RA100ZA Remote Annunciator

<b>Voltage Range:</b>	Conventional System: 3.1 to 32 VDC Intelligent System: 18 to 32 VDC
<b>Maximum Alarm Current:</b>	12 mA
<b>Dimensions:</b>	4.6" H x 2.8" W x 1.3" D (11.6 H x 7.1 W x 3.3 D cm)

### Specifications, Duct Smoke Detector Accessories (Continued)

#### RTS151 Remote Test Station

<b>Power Requirements:</b>	Alarm LED: 2.8 to 32 VDC, 12 mA max. Total Current: 105 mA max.
<b>Test Switch:</b>	10 VA @ 32 VDC
<b>Reset Switch:</b>	10 VA @ 32 VDC
<b>Alarm Response Time:</b>	40 seconds max.
<b>Temperature Range:</b>	-10°C to 60°C (14°F to 140°F)
<b>Relative Humidity:</b>	95% non-condensing
<b>Wire Gauge:</b>	14 to 18 AWG
<b>Dimensions:</b>	4.8" H x 2.90" W x 1.4" D (12.1 H x 7.3 W x 3.5 D cm)

#### RTS151KEY Remote Test Station with Key

<b>Power Requirements:</b>	Power LED (Green): 14 to 35 VDC, 12 mA max. Alarm LED (Red): 2.8 to 32 VDC, 12 mA max. Total Current: 105 mA max.
<b>Alarm Response Time:</b>	40 seconds max.
<b>Temperature Range:</b>	-10°C to 60°C (14°F to 140°F)
<b>Relative Humidity:</b>	95% non-condensing
<b>Wire Gauge:</b>	14 to 18 AWG
<b>Dimensions</b>	4.6" H x 2.75" W x 1.8" D (11.6 H x 6.9 W x 4.5 D cm)

#### RTS2 and RTS2-AOS Multi-signaling Accessory

<b>Voltage:</b>	20 to 29 VDC
<b>Power Requirements:</b>	
<b>Standby:</b>	3.0 mA max.
<b>Trouble:</b>	16.0 mA max.
<b>Alarm without strobe:</b>	30 mA max.
<b>Alarm with strobe:</b>	55 mA max.
<b>Sounder:</b>	85 dBA at ten feet
<b>Temperature Range:</b>	-10°C to 60°C (14°F to 140°F)
<b>Relative Humidity:</b>	95% non-condensing
<b>Wire Gauge:</b>	14 to 22 AWG
<b>Dimensions:</b>	4.8" W x 5.3" H x 1.6" D (12.1 W x 13.4 H x 4.0 D cm)

For information on the most recent product specifications and listing information, prefer to the Gamewell-FCI Web site at [www.gamewell-fci.com](http://www.gamewell-fci.com).

#### GAMEWELL-FCI

## Accessories

GameWell-FCI provides system flexibility with a variety of accessories, including two remote test stations and several different means of visible and audible system annunciation. As with our duct smoke detectors, all duct smoke detector accessories are UL Listed.



Figure 1 RTS151 UL S2522



Figure 2 RTS151KEY UL S2522



Figure 3 APA151 UL S4011



Figure 4 RTS2-AOS UL S2522



Figure 5 RA100Z UL S2522



Figure 6 MHW UL S4011



Figure 7 MHR UL S4011



Figure 8 RTS2-AOS with PS24LOW Strobe and PS12/24 LENS lens

## Ordering Information

### Accessories

Part Number	Description	Part Number	Description
APA151	Piezo Annunciator	RTS151KEY	Remote test station with key lock
MHR	Mini Horn, Red	RTS2	Multi-signaling accessory
MHW	Mini Horn, White	AOS	Add-On Strobe
RA100Z/RA100ZA	Remote annunciator alarm LED	RTS2-AOS	Multi-signaling accessory
RTS151	Remote test station		

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