



by Honeywell

InnovairFlex™ Series Duct Smoke Detector Accessories

Description

The InnovairFlex Series Duct Smoke Detector accessories add functionality to the duct detection system by allowing quick, convenient inspections at eye level and 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, 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 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 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.

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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

An ISO 9000-2000 Company



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 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.

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 (11.6 H x 7.3 W x 1.1 D cm)

MHR/MHW SpectrAlert® Advance Mini-Horns

Voltage:	Regulated 12 DC or FWR (Full Wave Rectified) or Regulated 24 VDC or FWR
Operating Voltage:	8 to 33 VDC (9 to 33 VDC with SyncCircuit™ 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" 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

Voltage Range:	Conventional System: 3.1 to 32 VDC Intelligent System: 18 to 32 VDC
Maximum Alarm Current:	12 mA
Dimensions:	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

Power Requirements:	Alarm LED: 2.8 to 32 VDC, 12 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:	4.8" 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

Power Requirements:	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.
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 (11.6 H x 6.9 W x 4.5 D cm)

RTS2 and RTS2-AOS Multi-signaling Accessory

Voltage:	20 to 29 VDC
Power Requirements:	
Standby:	3.0 mA max.
Trouble:	16.0 mA max.
Alarm without strobe:	30 mA max.
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 (12.1 W x 13.4 H x 4.0 D cm)

For the very latest product specifications and listing information, please visit the Gamewell-FCI Web site at www.gamewell-fci.com.

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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

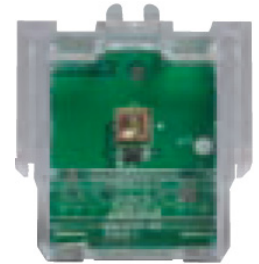


Figure 8 RTS2-AOS with PS24LOW Strobe and PS12/24 LENS lens

Ordering Information

Part Number Description

Accessories

Part Number	Description
APA151	Piezo Annunciator
MHR	Mini Horn, Red
MHW	Mini Horn, White
RA100Z/RA100ZA	Remote annunciator alarm LED
RTS151	Remote test station

Part Number	Description
RTS151KEY	Remote test station with key lock
RTS2	Multi-signaling accessory
AOS	Add-On Strobe
RTS2-AOS	Multi-signaling accessory

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