

### Description

The Gamewell-FCI Velociti® Series, analog addressable plug-in smoke sensors with integral communication provide features that surpass conventional sensors. Sensor sensitivity can be programmed in the control panel software. Sensitivity is continuously monitored and reported to the panel. Point ID capability allows each sensor's address to be set, providing exact locations for selective maintenance when the chamber contamination reaches an unacceptable level. The ASD-IL2F ionization sensor incorporates a unique single-source, dual-chamber design to respond quickly and dependably to a broad range of fires.

The Velociti® Series use a communication protocol that substantially increases the speed of communication between the sensors and certain Gamewell-FCI analog addressable fire alarm controls. These devices operate in a grouped fashion. If one of the devices in the group has a status change, the panel's microprocessor stops the group poll and concentrates on the single device. The net effect is response speed up to five times greater than earlier designs.

### Ordering Information

Model	Description
ASD-IL2F	Analog, Addressable Ionization Smoke Sensor

### Analog, Addressable Ionization Smoke Sensor



ASD-IL2F

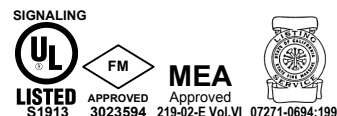
### Features

- Sleek, low-profile design
- Visual rotary switch addressing
- Built-in functional test switch activated by an external magnet
- Bicolor LEDs flash green whenever the sensor is addressed, and light steady red on alarm\*
- Optional relay, isolator, or sounder bases
- Low standby current
- Addressable-analog communication
- Stable communication technique with noise immunity
- Optional remote, single-gang LED accessory RA400Z
- Suitable for installation in ducts

Note: \*Only the red LED is operative in panels that do not operate in Velociti® mode.

Velociti® and E3 Series® are registered trademarks of Honeywell International Inc. UL® is a registered trademark of Underwriters Laboratories Inc.

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.

©2008 by Honeywell International Inc. All rights reserved.

[www.gamewell-fci.com](http://www.gamewell-fci.com)

9020-0619 Rev. B3 page 1 of 2

## Installation

ASD-IL2F plug-in sensors use a separate base to simplify installation, service, and maintenance. A special tool allows maintenance personnel to plug-in and remove the sensors without using a ladder.

Mount the base on a box which is at least 1.5" (3.8 cm) deep. Suitable mounting base boxes include:

- 4.0" (10.2 cm) square box.
- 3.5" (8.9 cm) or 4.0" (10.2 cm) octagonal box.
- Single-gang box (except relay or isolator base).
- With B501BH or B501BHT base, use a 4.0" (10.2 cm) square box.
- With B224RB or B224BI base, use a 3.5" (8.9 cm) octagonal box, or a 4.0" (10.2 cm) octagonal or square box.

NOTE: Because of the inherent supervision provided by the SLC, end-of-line resistors are not required. Wiring "T-taps" or branches are permitted for Style 4 (Class "B") wiring.

## Sensor Spacing

Gamewell-FCI recommends spacing sensors in compliance with NFPA 72. In low airflow applications with smooth ceilings, space detectors 30 feet (9.144 m). For specific information regarding sensor spacing, placement, and special applications, refer to NFPA 72.

## Specifications

<b>Size</b>	2.1" (5.1 cm) high x 4.1" (10.4 cm) diameter installed in B501 base, 6.1" (15.5 cm) diameter installed in ADB-FLF base
<b>Shipping Weight</b>	5.4 oz. (154 g)
<b>Operating Temperature</b>	32° F to 120° F (0 to 49° C)
<b>UL®-Listed</b>	
<b>Velocity Range</b>	0-1200 ft./min. (365.8 m/min.)
<b>Relative Humidity</b>	10-93% (non-condensing)

## Electrical Specifications

<b>Voltage Range</b>	15 – 32 volts DC peak.
<b>Standby Current</b>	.0003A @ 24 VDC (One communication every 5 seconds with LED enabled)
<b>Maximum Alarm Current</b>	.0065A @ 24 VDC (LED lit)

## Bases and Options

<b>ADB-FLF</b>	6.1" (15.5 cm) diameter
<b>B501</b>	4.1" (10.4 cm) diameter
<b>B501BH or B501BHT</b>	Sounder base assembly (B501BHT produces a Temporal Pattern) Includes B501 base
<b>B224RB</b>	
<b>Relay Base</b>	<b>Screw terminals:</b> Up to 14 AWG (2.0 mm <sup>2</sup> ) <b>Relay type:</b> Form-C <b>Rating:</b> 2.0A @ 30 VDC resistive 0.3 A @ 110 VDC inductive 1.0 A @ 30 VDC inductive
<b>B224RB</b>	
<b>Relay Base</b>	
<b>Dimensions</b>	6.2" x 1.2" (15.7 x 3.0 cm)
<b>B524BI</b>	
<b>Isolator Base</b>	
<b>Dimensions</b>	6.2" x 1.2" (15.7 x 3.0 cm) Maximum: 25 devices between isolator bases.
<b>RA-400Z</b>	Remote alarm indicator, LED
<b>BCK-200</b>	Black detector covers (box of 10)

### GAMEWELL-FCI