



by Honeywell

Velociti® Series ASD-IL2F

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 identifies the single device with the status change. The net effect is response speed up to five times greater than earlier designs.

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 B200S or B200SR base, mounted on a 4.0" (10.2 cm) octagonal or square box.
- With B224RB or B224BI base, mounted on 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, the 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 that the spacing sensors be used in compliance with NFPA 72.

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

Analog, Addressable Ionization Smoke Sensor



ASD-IL2F

Features

- Designed with a sleek, low-profile design.
- Has a visual rotary address switch setting range of (01-159).
- Built-in functional test switch activated by an external magnet.
- Displays bicolor LEDs flash green whenever the sensor is addressed, and lights steady red on alarm.*
- Includes optional relay, isolator, or sounder bases.
- Shows low standby current.
- Supports addressable-analog communication.
- Uses a stable communication technique with noise immunity.
- Offers an optional remote, single-gang LED accessory RA100Z.
- Suitable for installation in ducts.
- Compatible with the Gamewell-FCI analog addressable panels.

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

SIGNALING



COA #:219-02-E 7271-1703-0104
Vol.VI



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.

©2013 by Honeywell International Inc. All rights reserved.

www.gamewell-fci.com

9020-0619 Rev. F page 1 of 2

Specifications

ASD-IL2F

Dimensions: 2.1" (5.1 cm) Height
4.1" (10.4 cm) diameter, installed in the B501 base.
6.1" (15.5 cm) diameter, installed in the B210LP base.

Shipping Weight: 5.4 oz. (153 g)

Operating

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

UL®-Listed

Velocity Range: 0-1200 ft./min. (365.8 m/min.)

Relative Humidity: 10-93% (non-condensing)

Electrical Specifications

Voltage Range: 15 – 32 VDC

Standby Current : .0003A @ 24 VDC
(One communication every 5 seconds with LED blink enabled).

Maximum Alarm

Current: .0065A @ 24 VDC (LED lit)

Specifications (Continued) Bases and Options

B501 Plug-in sensor base without flange.

Dimensions: 4.1" (10.4 cm) diameter.

B210LP Flanged mounting base.

Dimensions: 6.1" (15.5 cm) diameter.

B210LPBP Flanged mounting base bulk pack.

Dimensions: 6.1" (15.5 cm) diameter.

B224RB Plug-in sensor base with auxiliary relay, SPDT.

Screw terminals: Up to 14 AWG (2.0 mm²).

Relay type: Form-C.

Rating:

2.0A @ 30 VDC resistive.

0.3 A @ 110 VDC inductive.

1.0 A @ 30 VDC inductive.

Dimensions: 6.1" (15.5 cm) diameter.

B524BI Isolator Base

Dimensions: 6.1" (15.5 cm) diameter.

Maximum: 25 devices between isolator bases.

B200S Intelligent sensor sounder base.

Dimensions: 6.875" (17.5 cm) diameter.

B200SR Standard sounder base, UL 864 9th Edition compliant, ULC Listed.

Dimensions: 6.875" (17.5 cm) diameter.

RA-100Z Remote LED Annunciator.

BCK-200 Black detector covers (box of 10).

Ordering Information

Part Number Description

ASD-IL2F Analog, Addressable Ionization Smoke Sensor

GAMEWELL-FCI