Farenhyt

SILENT KNIGHT
by Honeywell

Intelligent Devices

Intelligent Ionization Smoke Detector

IDP-Ion

The IDP-Ion is an ionization smoke detector. This plug in smoke detector with integral communication is for use with Silent Knight IFP-series fire alarm control panels (FACPs). The IDP-Ion provides features that surpass conventional detectors.

Detector sensitivity can be programmed from the FACP software. Sensitivity is continuously monitored and reported to the FACP. Point ID capability allows each detector's address to be set with rotary address switches, providing exact detector locations for selective maintenance when chamber contamination reaches unacceptable levels.

IDP-Ion incorporates a unique single source, dual chamber design to response quickly to a broad range of fires.

Features

- Sleek, low-profile design
- Reliable analog communications for trouble-free operation
- Age resistant polymer housing
- Superior EMI resistance for reliability
- Simple field cleaning for code compliance
- Variety of mounting options to meet any application
- Dual LED indicators for 360º visibility
- Detector transmits signal to indicate maintenance is required
- Optional remote LED annunciator (System Sensor® RA100Z)
- Plug-in mounting provides ease of installation
- Tamper-proof feature available on mounting bases
- Rotary address switches for fast installation
- UL Listed

Installation

The IDP-Ion plugs into a compatible IDP-series detector base.

Agency Listings

MEA
321-02-E Vol V



IDP-Ion in the B210LP mounting base (Base not Included)

Compatibility

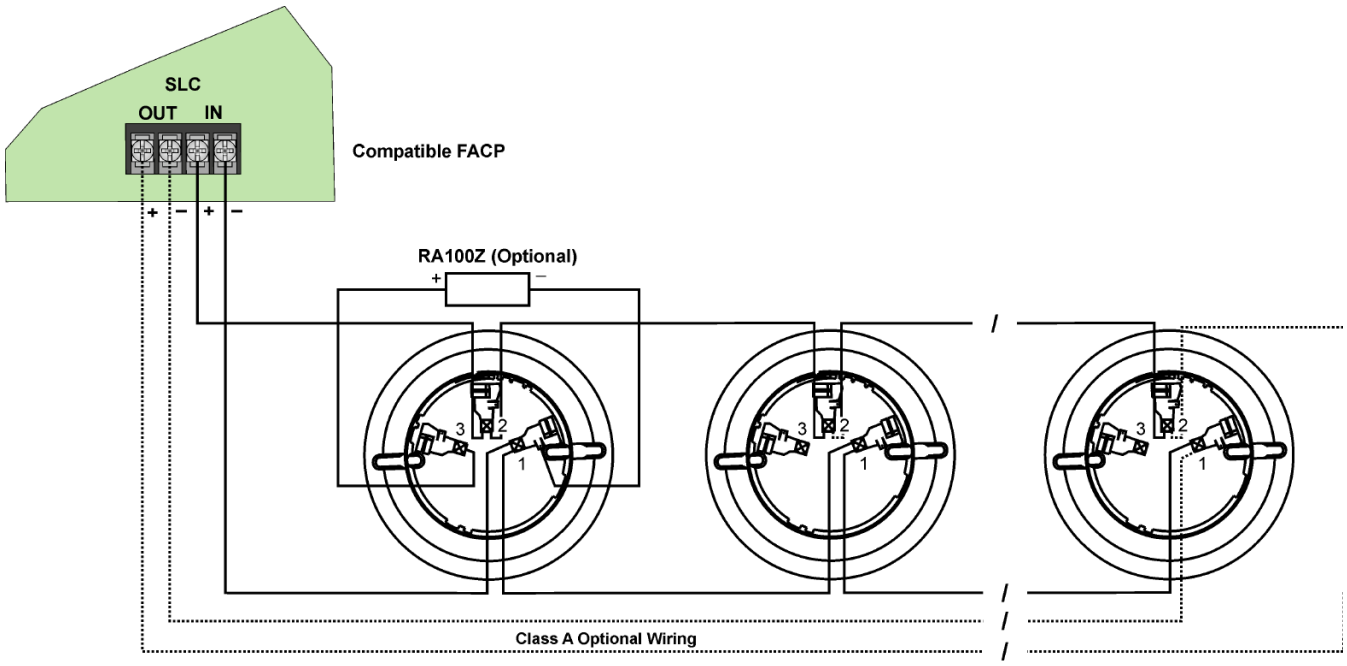
The IDP-Ion is compatible with the following IDP-series detector bases:

- B210LP 6" Mounting Base
- B501 4" Mounting Base
- B224BI 6" Isolator Base
- B224RB 6" Relay Base
- B200SR 6" Sounder Base

The IDP-Ion is compatible with the following FACPs:

- IFP-2000 / RPS-2000 Intelligent Fire Panel
- IFP-1000 / ECS Intelligent Fire Panel
- IFP-100 / ECS Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

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Wiring IDP-Series Detector Mounting Bases

Specifications

Physical

Height: 2.0” (5.0 cm)

Diameter: 4.1” (10.4 cm)

Shipping Weight: 5.4 oz. (153 g)

Electrical

Operating Voltage: 15 – 32 VDC

Standby Current:

150 µA @ 24 VDC (no communication; LED off)

200 µA @ 24 VDC (one communication every 5 sec with LED enabled)

Alarm Current: 6.5 mA @ 24 VDC max (with LED on)

Environmental

Operating Temperature: 32º – 120ºF (0ºC – 49ºC)

Humidity: 10% – 93% non-condensing

Other Ratings

Velocity: 0 – 1200 fpm (0 – 6.1 m/sec)

Insect Screen Hole Size: 0.035” (0.89 mm) nominal

Ordering Information

IDP-Ion	Ionization Smoke Detector

Accessories

RA100Z	Remote LED Annunciator.
XR2B	Detector Removal Tool. A removal and replacement tool for IDP plug-in detectors. Includes the T55-127-000.
M02-04-00	Replacement Test Magnet.
M02-09-00	Test Magnet with Telescoping Handle
XP-4	Extension Pole for XR2B. Extends from 5 – 15 ft.
T55-127-000	Detector Removal Head.
BCK-200B	Black Detector Kit. For IDP-series detectors.

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This document is not intended to be used for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice. For more information, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118. For Technical Support, Please call 800-446-6444. **www.farenhyt.com**

Made in the U.S.A.