

## Addressable Detector Bases

### B210LP & B501

The B210LP 6" Mounting Base and the B501 4" Mounting Base are plug in detector bases for IDP style detectors intended for use with Silent Knight IFP-series fire alarm control panels (FACPs).

The B210LP and B501 have screw terminals for power (+) and (-) and remote annunciator connections. Communication takes place over the power (+) and (-) lines.

#### Features

- Plug-in mounting provides ease of installation
- Tamper-proof feature prevents removal of the detector without the use of a tool
- Range of mounting options to meet any application
- Rotary address switches for fast installation
- Optional remote LED annunciator (PN RA100Z)
- SEMS screws
- 12–22 AWG wire ranges for installation flexibility
- UL Listed

#### Installation

The B210LP and B501 can be mounted on a variety of junction boxes as shown in the tables below.

U.S. Junction Box Selection Guide\*

Model	Single Gang	3.5" Oct	4" Oct	4" Sq
B210LP	Yes	Yes	Yes	Yes
B501	No	Yes	No	No

Metric Junction Box Selection Guide\*

Model	50 mm	60 mm	70 mm	75 mm
B210LP	No	No	No	No
B501	Yes	Yes	Yes	No

\* Box depth is contingent on base and wire size. Refer to the National Electric Code or applicable local codes for appropriate recommendations.

#### Agency Listings



**MEA**

205-94-E  
Vol. IX



B210LP Base



B501 Base

#### Compatibility

The B210LP and B501 are compatible with the following IDP-series detectors:

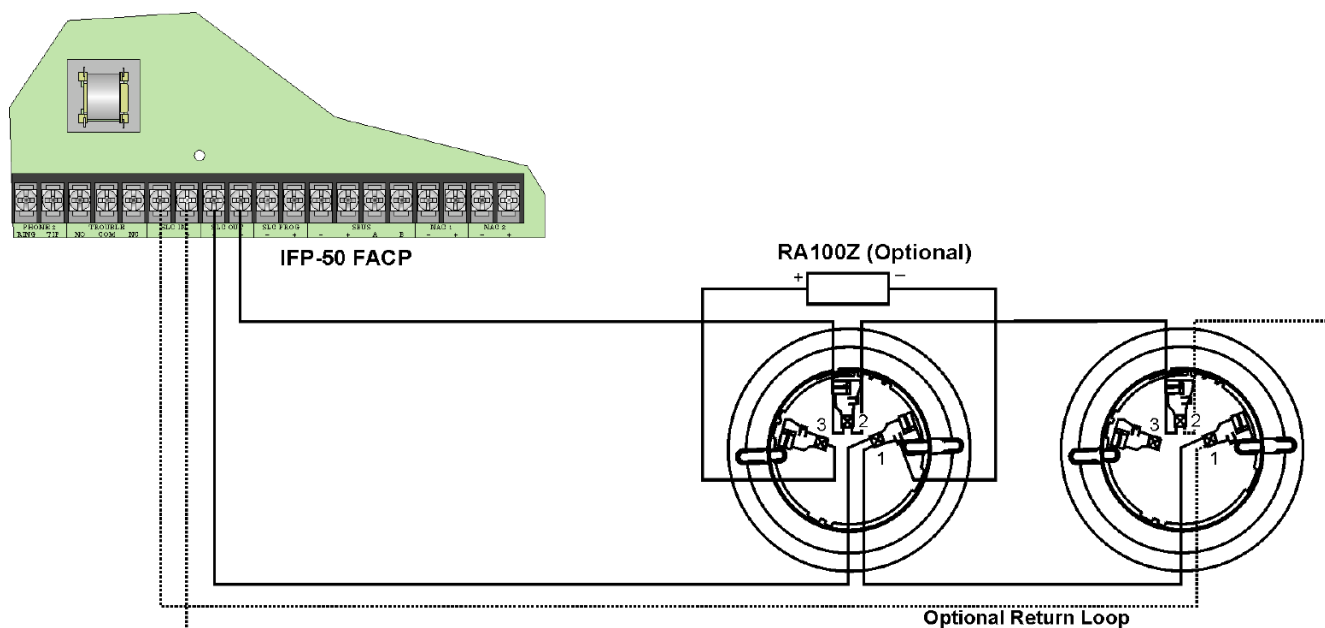
- IDP-Photo Photoelectric Smoke Detector
- IDP-Photo-T Photoelectric Smoke Detector with Thermal
- IDP-Acclimate Multicriteria Photoelectric Smoke Detector
- IDP-Ion Ionization Smoke Detector
- IDP-Heat Fixed Temperature Thermal Detector
- IDP-Heat-ROR Rate-of-Rise Detector with Thermal
- IDP-Heat-HT Fixed High Temperature Thermal Detector

The B210LP and B501 are compatible with the following FACPs:

- IFP-2000 / RPS-2000 Intelligent Fire Panel
- IFP-2000ECS Emergency Communication System with Fire Panel
- IFP-1000 / ECS Intelligent Fire Panel
- IFP-100 / ECS Intelligent Fire Panel

P/N 350295 Rev G

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Wiring IDP-Series Detector Mounting Bases

## Specifications

### Physical

B210LP Diameter: 6.1" (155 mm)

B501 Diameter: 4.1" (104 mm)

### Electrical

Wire Gauge: 18–12

SLC Standby and Alarm Current: 170  $\mu$ A

#### Terminals:

Terminal 1: Power (–) and Optional RA100Z

Terminal 2: Power (+)

Terminal 3: Optional RA100Z Remote Annunciator

### Environmental

Operating Temperature: 32°F – 150°F (0°C – 66°C)

Humidity: 10% – 93% non-condensing

## Ordering Information

B210LP	6" Mounting Base
B501	4" Mounting Base
B210LPBP	6" Mounting Base bulk pkg of 10

## Accessories

RA100Z	Remote LED Annunciator.
XR2B	Detector Removal Tool. A removal and replacement tool for IDP plug-in detectors. Includes the T55-127-000.
M02-04-01	Detector 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.
F210	Accessory flange ring for B210LP



B210LP Base Installed with Detector



B501 Base Installed with Detector

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.