Farenhyt

SILENT KNIGHT
by Honeywell

Reviewed for Code Compliance
Inspections Division
Approved with Conditions
Date: 12/14/15

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-1000 Intelligent Fire Panel
- IFP-100 Intelligent Fire Panel
- IFP-50 Intelligent Fire Panel

P/N 350295 Rev E

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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

Terminals:
- Terminal 1: Power (–) and Optional RA100Z
- Terminal 2: Power (+)
- Terminal 3: Optional RA100Z Remote Annunciator

Environmental

Operating Temperature: 32ºF – 150ºF (0ºC – 66ºC)

Humidity: 10% – 93% non-condensing

B210LP Base Installed with Detector

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

B501 Base Installed with Detector

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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.
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