Farenhyt

SILENT KNIGHT
by Honeywell

Intelligent Devices

Intelligent Sounder Bases

B200SR/B200SR-LF

The B200SR sounder base series is designed for new and existing dwelling unit applications. It offers maximum flexibility in installation, configuration, and operation to meet or exceed UL 268 and UL 464 requirements.

The B200SR series is fully compatible with existing B501BH-Series sounder base installations. The device enables users to select one of two B501-supported tones (ANSI Temporal 3 or Continuous) by removing a jumper.

With its attractive aesthetics, the B200SR series is ideal for applications where appearance is critical. For example, the sounder base employs a separate mounting plate that installs on various junction box sizes to eliminate unsightly surface-mount boxes. In addition, the mounting plate enables pre-wiring of all connections to speed and simplify installation. The housing then mates with the mounting plate and is locked in position with two retaining screws, which are covered by the installed sensor head for added tamper resistance.

The B200SR-LF low frequency sounder base is designed to meet the NFPA 72 sleeping space requirement to produce a fundamental frequency of 520 Hz +/– 10% with a square wave or its equivalent. Studies show that a lower frequency, centered around 520 Hz, is the most ideal to awaken sleeping occupants, even those with mild to severe hearing loss.

Features:

- Tone selection via an onboard jumper
- UL 268 and UL 464 compliant
- Pre-wire mounting plate fits various junction box sizes
- Fully compatible with existing B501BH-Series sounder base installations
- Mechanical locking feature prevents the removal of the attached sensor head
- 520 Hz +/– 10% square wave tone (B200S-LF)

Installation

The B200SR/B200SR-LF can be mounted directly into a 4” square by at least 1.5” – 2.1” deep electrical box, using the supplied mounting kit.

FM APPROVED



B200SR-LF **B200SR**

Compatibility

The B200SR is compatible with the following IDP-series detectors:

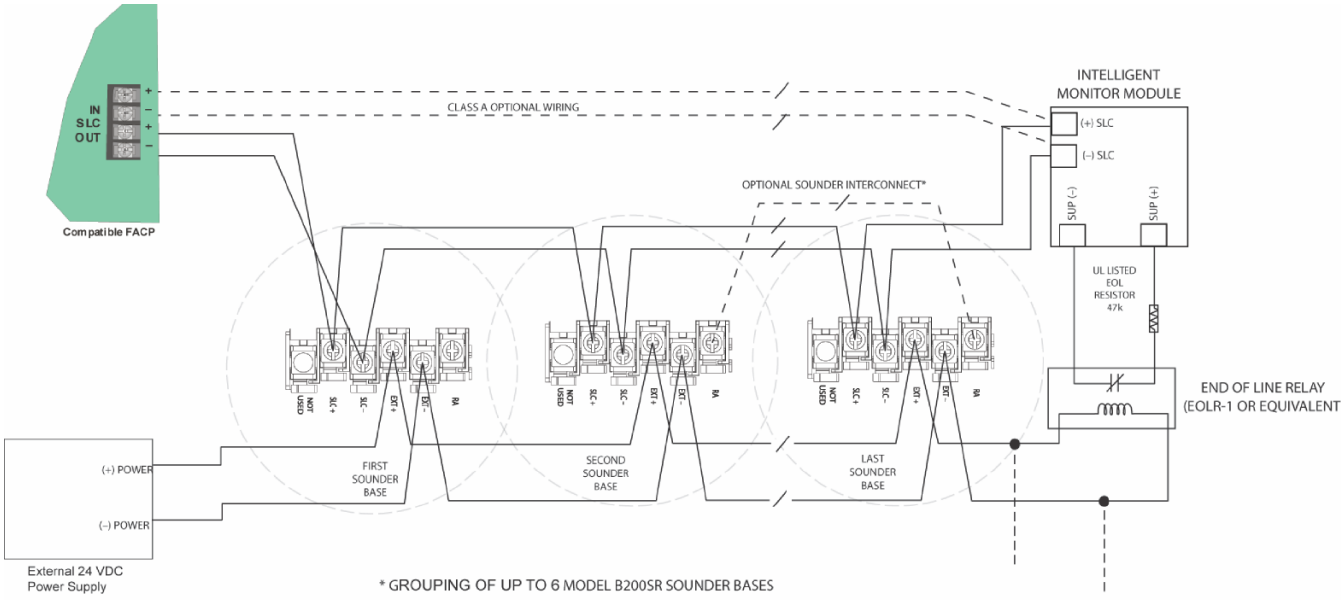
- IDP-Photo Photoelectric Smoke Detector
- IDP-Photo-T Photoelectric Smoke Detector with Thermal
- IDP-Acclimate Multicriteria Photoelectric Smoke Detector
- IDP-Ion Ionization Smoke Detector
- IDP-Heat Fixed Temperature Thermal Detector
- IDP-Heat-ROR Rate-of-Rise Detector with Thermal
- IDP-Heat-HT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

The B200SR/B200SR-LF are 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

P/N 350266 Rev D

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Specifications

Physical

Height: 2.0” (5.08 cm) less sensor

Width: 6.875” (17.46 cm)

Shipping Weight: B200SR 0.50 lb. (227 gm);
B200SR-LF: 0.60 lb. (272 gm)

Electrical

External Supply Voltage	16 to 33 VDC (VFWR)
External Supply Standby	1 mA maximum
Alarm Current (B200SR)	35 mA maximum
Alarm Current (B200SR-LF)	125 mA maximum
SLC Operating Voltage	15 to 32 VDC
SLC Standby Current	300 µA maximum

Environmental

Operating Temperature:
Refer to applicable sensor Operating Temperature Range using the Base/Sensor Cross Reference Chart at systemsensor.com

Humidity: 10% – 93% non-condensing

Sound Output

Greater than 85 dBA minimum measured in a UL reverberant room at 10 feet, 24 Volts (in continuous tone)

Ordering Information

B200SR	Sounder Base
B200SR-LF	Low Frequency Sounder Base

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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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Assembled in the U.S.A.