

B200SR / B200SR-LF

Intelligent Sounder Bases

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 surfacemount 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 \pm 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. Installation



B200SR



B200SR-LF

INSTALLATION

The B200SR or 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.

FEATURES & BENEFITS

- 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 \pm 10% square wave tone (B200S-LF)

B200SR and B200SR-LF Technical 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)

ENVIRONMENTAL

Operating Temperature: Refer to applicable sensor operating temperature range using the base/sensor cross reference chart at systemsensor.com

Humidity: 10 to 93% non-condensing)

ELECTRICAL RATINGS

External Supply Voltage: 16 to 33VDC (VFWR)

Alarm Current (B200SR): 35mA maximum

Alarm Current (B200SR-LF): 125mA maximum

SLC Operating Voltage: 15 to 32VDC

SLC Standby & Alarm Current: 300 µA maximum

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

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-Heat: Fixed Temperature Thermal Detector

IDP-Heat-ROR: Rate-of-Rise Detector with Thermal

IDP-Heat-HT: Fixed High Temperature Thermal Detector

The B200SR and B200SR-LF are compatible with the following Farenhyt Series FACP's:

IFP-2100 / IFP-2100ECS / RFP-2100

IFP-2000 / IFP-2000ECS / RPS-2000

IFP-1000 / IFP-1000ECS

IFP-300 / IFP-300ECS

IFP-100 / IFP-100ECS

IFP-75

IFP-50

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

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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 Technical Support, Please call 800-446-6444.

For more information

Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

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Doc 350266 | Rev F | 12/17
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