



B200SR/B200SR-LF Intelligent Sounder Bases

System Sensor B200SR series sounder bases set a new standard for performance, installation ease, and aesthetics.



B200SR-LF

B200SR

B200SR Series 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 removal of attached sensor head
- 520 Hz +/- 10% square wave tone (B200S-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.

Agency Listings



S911



3035027



B200SR: 7135-1653:0213
B200SR-LF: 7300-1653:0238

Physical Specifications	
Base Diameter	6.875" (17.46 cm)
Base Height	2.0" (5.08 cm) less sensor
Shipping Weight	B200SR : 0.50 lb. (227 gm); B200SR-LF : 0.60 lb. (272 gm)
Operating Temperature Range	Refer to applicable sensor Operating Temperature Range using the Base/Sensor Cross Reference Chart at systemsensor.com
Operating Humidity Range	10% to 93% relative humidity (non-condensing)
Electrical Specifications: B200SR	
External Supply Voltage	16 to 33 VDC (VFWR)
External Supply Standby Current	1 mA maximum
Alarm Current	35 mA maximum
SLC Operating Voltage	15 to 32 VDC
SLC Standby Current	Refer to applicable sensor specification
Sound Output	Greater than 85 dBA minimum - measured in a UL reverberant room at 10 ft. 24 Volts (in continuous tone)
Electrical Specifications: B200SR-LF	
External Supply Voltage	16 to 33 VDC (VFWR)
External Supply Standby Current	1 mA maximum
Alarm Current	65 mA maximum @ 33.0 VDC 90 mA maximum @ 24.0 VDC 125 mA maximum @16.0 VDC
SLC Operating Voltage	15 to 32 VDC
SLC Standby Current	Refer to applicable sensor specification
Sound Output	Greater than 85 dBA minimum – measured in a UL reverberant room at 10 ft. 24 Volts (in continuous tone)

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