



HARRINGTON FIRE ALARM

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B200SR/B200SR-LF Intelligent Sounder Bases



Description

The B200SR Sounder base series is designed for new and existing dwellings 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 bases 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 installations. 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 520Hz +/- 10% with a square wave or its equivalent. Studies show that a lower frequency, centered around 520Hz, 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
- Pre-wire mounting plate fits various Junction box sizes.
- Fully compatible with existing B501B series sounder bases installations.
- Mechanical locking feature prevents removal of attached sensor head.
- 520Hz +/- 10% square wave tone (200SR-LF).

Ordering Information

Model Number	Part Number	Description
B200SR	B200SR	Sounder Base
B200SR-LF	B200SR-LF	Low Frequency Sounder Base



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)

NOTICE: The information contained in this document is intended only as a summary and is subject to change without notice. The devices described in this document have specific instruction sheets which cover various technical, limitation and liability information. Copies of these instruction sheets and the General Product Warning and Limitations Document, which also contains important information are provided with the product and are available from Harrington Signal Inc. Fire Alarm. Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact Harrington Signal Inc. Harrington Signal Inc. Fire Alarm reserves the right to change specifications without notice. Quality manufactured for Harrington Signal by System Sensor.