Honeywell | Non-Addressable Devices

Velociti® Series B200SR-LF

520 Hz Low Frequency Sounder Base

General

The Gamewell-FCI, B200SR-LF sounder base sets a new standard for performance, installation and aesthetics. The B200SR-LF non-addressable, low frequency sounder base is designed to comply with the NFPA Standard 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 ideal frequency to awaken sleeping occupants, even those occupants with mild to severe hearing loss. In addition, it offers maximum flexibility in installation, configuration and operation to comply or exceed the UL® Standards 268 and 464 requirements.

The B200SR-LF sounder base is compatible with the B501BH Series sounder base installations. By removing the jumper, the device enables users to select one of two B501-supported tones (ANSI Temporal 3 or Continuous).

Note: The E3 Series® and S3 Series fire alarm control panels support both the Velociti® and CLIP™ protocols, and the GWF-7075 fire alarm control panel supports only the Velociti® protocol.



B200SR-LF

Installation

The sounder base offers the following installation features:

- Pre-wired mounting plate that fits various junction box sizes.
- The housing locks to a mounting plate with two retaining screws to prevent tamper resistance.

Ordering Information

B200SR-LF-WH: Low Frequency Intelligent Non-Addressable Programmable Sounder Base, bright white

B200SR-LF-IV: Low Frequency Intelligent Non-Addressable Programmable Sounder Base, ivory

Note 1: The B200SR-LF-WH and B200SR-LF-IV produce a fundamental frequency of 520 Hz +/- 10% with a square wave or its equivalent. The bases are designed to comply with the NFPA 72 Standard sleeping space requirement.

Note 2: The B200SR-LF-WH and B200SR-LF-IV sounder bases are compatible with the 7100 Series, E3 Series, and S3 Series fire alarm control panels.

FEATURES & BENEFITS

- Complies with UL® Standard 464 for 520 Hz. low frequency
- Complies with UL Standard 268
- Supports 520 Hz +/- 10% square wave tone
- Includes a tone selection via an on-board jumper
- Compatible with the B501BH-Series sounder base installations
- Includes a pre-wire mounting plate that fits various junction box sizes
- Offers a mechanical locking feature that prevents the removal of an attached sensor head

Velociti® Series B200SR-LF Technical Specifications

Systems

Physical Specifications:

Base Diameter: 6.875" (17.46 cm)

Base Height: 2.0" (5.08 cm) less sensor

Shipping Weight: 0.60 lb. (272 gm)

Temperatures:

Operating Temperature Range: For applicable information on the sensor operating temperature range, refer to the Base/Sensor Cross Reference Chart at the link: www.systemsensor.com

Operating Humidity Range: 10% to 93% relative humidity (non-condensing)

Electrical Specifications:

External Supply Voltage: 16 to 33 VDC (VFWR)

External Supply Standby Current: 1 mA maximum

Alarm Current: 65 mA max. @ 33.0 VDC
90 mA max. @ 24.0 VDC
125 mA max. @ 16.0 VDC

SLC Operating Voltage: 15 to 32 VDC

SLC Standby Current: Refer to applicable sensor specification

Sound Output:

High Volume: Greater than 85 dBA minimum measured in a UL reverberant room at 10 ft. 24 Volts (in continuous tone).

Low Volume: Greater than 75 dBA minimum measured in a UL reverberant room at 10 ft. 24 Volts (in continuous tone)

TEMPERATURE AND HUMIDITY RANGES

This system meets NFPA requirements for operation at 0 – 49°C/32 – 120°F and at a relative humidity 93% ± 2% RH (noncondensing) at 32°C ± 2°C (90°F ± 3°F). However, the useful life of the system's standby batteries and the electronic components may be adversely affected by extreme temperature ranges and humidity. Therefore, it is recommended that this system and its peripherals be installed in an environment with a normal room temperature of 15 – 27°C/60 – 80°F.

STANDARD

The Velociti® Series B200SR-LF is designed to comply with the following standards:

UL Standards: UL 268
UL 464

AGENCY LISTINGS AND APPROVALS

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult factory for latest listing status.

UL: S1911

CSFM: 7300-1653:0238

ISO 9001 Certification

For a complete listing of all compliance approvals and certifications, please visit: http://www.gamewell-fci.com/en-US/documentation/Pages/Listings.aspx

E3 Series® and Gamewell-FCI® are registered trademarks and the S3 ™Series is a trademark of Honeywell International Inc.

UL is a registered trademark of Underwriters Laboratories Inc.

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 more information

Learn more about Gamewell-FCI's Velociti® Series B200SR-LF and other products available by visiting www.Gamewell-FCI.com

Honeywell Gamewell-FCI
12 Clintonville Road
Northford, CT 06472-1610
203.484.7161
www.honeywell.com

9021-60843 | F | 05/2019
©2019 Honeywell International Inc.

Honeywell