



by Honeywell

Velociti® Series B200S-LF

Description

The Gamewell-FCI, B200SR-LF sounder base sets a new standard for performance, installation and aesthetics. The B200S-LF low frequency sounder base is designed to comply with 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 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 sounder base "listens in" to the communication between the sensor head and the fire alarm control panel to use the same address as the detector, but uses a unique device type on the loop. The FACP can then use that same address to command an individual sounder or a group of sounders to activate. You can set the command from the panel, so that it is set to the specific event, allowing the selection of volume, tone, group or custom tone patterns.

Installation

The sounder base offers the following installation features:

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

Specifications

Physical Specifications:

Base Diameter: 6.875½ (17.46 cm)
Base Height: 2.0½ (5.08 cm) less sensor
Shipping Weight: 0.50 lb. (227 gm)
Operating Temperature Range: For the applicable sensor Operating Temperature Range, refer to the Base/Sensor Cross Reference Chart at www.systemsensor.com
Operating Humidity Range: 10% to 93% relative humidity (non-condensing)

Electrical Specifications:

External Supply Voltage: 16 to 33 VDC (VFWR)
External Standby Current: 500 µA maximum
Alarm Current:
High Volume Setting: 70 mA max. @ 33.0 VDC
90 mA max. @ 24.0 VDC
140 mA max. @ 16.0 VDC
Low Volume Setting: 15 mA max. @ 33.0 VDC
20 mA max. @ 24.0 VDC
25 mA max. @ 16.0 VDC
SLC Operating Voltage: 15 to 32 VDC
SLC Standby Current: 300 µA maximum (base only)
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)

Low Frequency Intelligent Sounder Base



B200S-LF

Features

- Complies with UL® Standard 464 for 520 Hz. low frequency.
- Complies with UL Standard 268.
- Provides 520 Hz +/- 10% square wave tone.
- Supports continuous ANSI Temporal 3, ANSI Temporal 4 and March Time Tones.
- Includes a tone selection via an onboard 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.

Ordering Information

Part Number	Description
B200S-LF	Low Frequency Intelligent Addressable Sensor Sounder Base

Note: The B200S-LF sounder base is compatible with the E3 Series® and S3 Series™ fire alarm control panels.

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