

Velociti® Series B200S

Intelligent Addressable Sensor Sounder Base

General

The B200S Velociti® sounder base sets a new standard for performance, installation, and aesthetics. It is an addressable sounder base that requires a unique, separate sounder base address. This sounder base is available only in Velociti protocol. The B200S is designed for new and existing dwelling unit applications. It offers the maximum flexibility in installation, configuration, and operation to meet or exceed the UL® Standard 268 and UL® Standard 464 requirements.

One of the unique features of the B200S sounder base offers the functionality to capture the communications transmitted between the attached sensor head on the System Sensor® signal line loop of the E3 Series®, S3 Series and GWF-7075 fire alarm control panels. This new feature allows the E3 Series, S3 Series or GWF-7075 fire alarm control panels to use the same address as the detector, but use a unique device type on the loop. Using the CAMWorks™ Tool, the E3 Series, S3 Series or GWF-7075 control panels can then use that same address to command and activate an individual sounder or a group of sounders.

In CAMWorks, you can program the command set from the E3 Series, S3 Series or GWF-7075 fire alarm control panel to a specific event which allows you to select the volume, tone and group. In addition, the E3 Series, S3 Series or GWF-7075 fire alarm control panels generate synchronization pulses through the loop and enable selectable tone patterns.

With its attractive aesthetics, the B200S is ideal to use for applications where the appearance is critical. For example, the design eliminates unsightly surface-mount boxes and the sounder base employs a separate mounting plate that can be installed on various junction box sizes (see Table 1). In addition, the mounting plate allows you to pre-wire all the connections to simplify the installation. To install the housing, use the mounting plate, and secure two retaining screws to lock-it in position. The retaining screws are covered by the installed sensor head to provide added tamper resistance.

Ordering Information

B200S-WH: Intelligent Addressable Sensor Sounder Base, bright white

B200S-IV: Intelligent Addressable Sounder Base, ivory

Note 1: The B200S-WH and B200S-IV produce a sound output in high or low volume with ANSI Temporal 3, ANSI Temporal 4, continuous tone, marching tone, and custom tone.

Note 2: The B200S-WH and B200S-IV sounder bases are compatible with the E3 Series, S3 Series and GWF-7075 fire alarm control panels. Table 1 includes information for the compatible junction boxes that can be used with the B200S.

Single-Gang	3.5" Octagonal	4.0" Octagonal	4.0" Square	4.0" Square w/ 3.0" mud ring
Yes	Yes	Yes	Yes	Yes
50 mm	60 mm	70 mm	75 mm	
No	No	Yes	No	

Table 1: B200S Junction Box Selection Guide

FEATURES & BENEFITS

- Built-in supervision (no EOL relays required)
- Complies with UL® Standard 268 and UL® Standard 464
- Supports Continuous, ANSI Temporal 3, ANSI Temporal 4, and March Time tones
- Offers a programming option to control and activate the sounder base independently
- Broadcasts over two volume levels(75 or 85dBA)
- Produces multiple event-driven tone outputs
- Programs the addressability for maximum configuration flexibility
- Includes a pre-wire mounting plate that fits various size junction boxes
- When the B200S is connected to the NAC circuit, it can be synchronized with other System Sensor® notification devices
- Uses a mechanical locking feature that prevents the removal of the attached sensor head
- Employs coded patterns that may be optionally synchronized over the SLC and promptly changed



B200S

Velociti® Series B200S Technical Specifications

SYSTEM

Physical Specifications:

Base Diameter: 6.875" (17.46 cm)

Base Height: 2.0" (5.08 cm) less sensor

Shipping Weight: 0.50 lb. (227 gm)

Temperature:

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 uA maximum

Alarm Current: 35 mA maximum (high volume)
15 mA maximum (low volume)

SLC Operating Voltage: 15 to 32 VDC

SLC Standby Current: 300 uA maximum

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).

Installation Specifications:

Mounting: Mounts directly to 4" (10.16 cm) square, 4" (10.16 cm) octagon, 3 1/2" (8.9 cm) octagon, single-gang or double-gang junction boxes.

Wire: Wire sizes up to 12 to 24 AWG

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.

STANDARDS

The B200S 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

FM: 3035027

CSFM: 7300-1653:0213

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>

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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 more information

Learn more about Gamewell-FCI's Velociti® Series B200S and other products available by visiting www.Gamewell-FCI.com

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