Velociti® Series B200S

Gamewell FCI FIRE CONTROL INSTRUMENTS
by Honeywell

Description

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 in only Velociti protocol. The B200S is designed for new and existing dwelling unit applications. It offers 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® or S3 Series fire alarm control panel. This new feature allows the E3 Series and S3 Series 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 and S3 Series 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 or S3 Series control panel to a specific event which allows you to select the volume, tone and group. In addition, the E3 Series and S3 Series 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 enables pre-wiring of all 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 for added tamper resistance.

Intelligent Addressable Sensor Sounder Base

B200S

Features

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

SIGNALING

UL® LISTED
S1911

FM APPROVED
3035027

7135-1653:0213

Specifications

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)
Operating Temperature Range:	32° to 120° F (0° to 49° C)
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:	35 mA maximum (high volume) 15 mA maximum (low volume)
SLC Operating Voltage:	15 to 32 VDC
SLC Standby Current:	300 µA maximum
Sound Output:	Greater than 85 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 AWG.

Table 1: B200S Junction Box Selection Guide

Single-Gange	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	

Ordering Information

Part Number	Description
B200S	Intelligent Addressable Sensor Sounder Base

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