Farenhyt

SILENT KNIGHT
by Honeywell

Intelligent Sounder Bases
B200S/B200S-LF

The B200S sounder base series is designed for new and existing commercial dwelling unit applications. It offers maximum flexibility in installation, configuration, and operation to meet or exceed UL 268 and UL 464 requirements.

The sounder base “listens in” to the communication between the attached sensor head and the fire alarm control panel (FACP) to adopt the same address as the detector, but as a unique device type on the loop. The FACP can then use that address to command an individual sounder — or a group of sounders — to activate. In addition, the FACP’s will enable custom tone patterns.

The B200S series sounder bases recognize the System Sensor synchronization protocol. This enables it to be used as a component of the general evacuation signal — along with other System Sensor horns, horn strobes, and chimes — when connected to a FACP output programmed as sounder base power.

The B200S-LF low frequency sounder base is designed to meet 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 most ideal to awaken sleeping occupants, even those with mild to severe hearing loss.

Features

- Addressability for maximum configuration flexibility
- Supports Continuous, ANSI Temporal 3, ANSI Temporal 4, and March Time tones
- Custom tone capability with some FACP models
- Ability to synchronize with other System Sensor notification devices
- UL 268 and UL 464 compliant
- Pre-wire mounting plate fits various junction box sizes
- Uses a mechanical locking feature that prevents the removal of the attached sensor head
- No external relays and input modules needed to supervise the Aux power
- 520 Hz +/– 10% square wave tone (B200S-LF)

Installation

The B200S series sounder bases can be mounted 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.

Compatibility

The B200S series are compatible with the following IDP-series detectors programmed for System Sensor protocol: (Firmware version 13.0 or higher for IFP-100 & IFP-1000. (Firmware version 4.0 or higher for IFP-2000).

Agency Listings

Pending



B200S-LF **B200S**

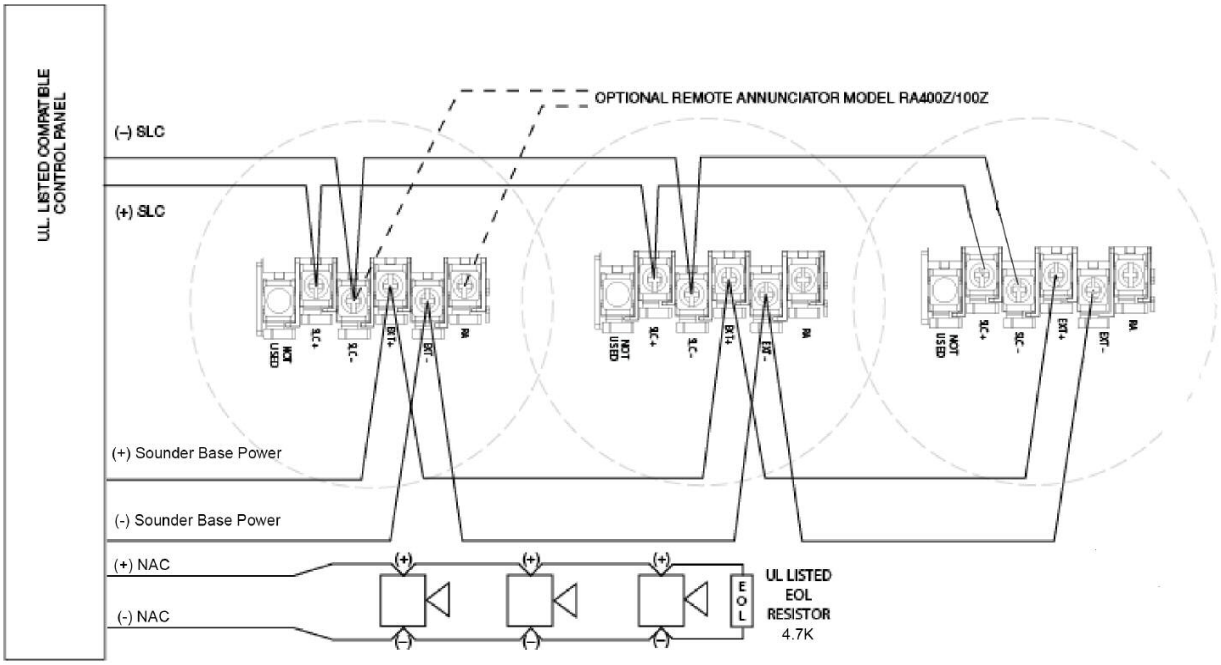
- IDP-Photo Photoelectric Smoke Detector
- IDP-Photo-T Photoelectric Smoke Detector with Thermal
- IDP-Ion Ionization Smoke Detector
- IDP-Acclimate Multicriteria Photoelectric Smoke Detector
- IDP-Heat Fixed Temperature Thermal Detector
- IDP-Heat-ROR Rate-of-Rise Detector with Thermal
- IDP-Heat-HT Fixed High Temperature Thermal Detector
- IDP-FIRE-CO Multi-Criteria CO and Smoke Sensor

The B200S/B200S-LF are compatible with the following FACPs:

- IFP-2000/RPS-2000 Intelligent Fire Panel
- IFP-2000ECS Emergency Communication System with Fire Alarm Control Panel
- IFP-1000 Intelligent Fire Panel
- IFP-1000ECS Emergency Communication System with Fire Alarm Control Panel
- IFP-100 Intelligent Fire Panel
- IFP-100ECS Emergency Communication System with Fire Alarm Control Panel

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Wiring B200S/B200S-LF

Specifications

Physical

Height:	2.0” (5.08 cm) less sensor
Width:	6.875” (17.46 cm)
Shipping Weight:	B200S - .50 lb. (227gm)
	B200S-LF - .60 lb. (272gm)

Electrical

Aux Power Voltage	16 to 33 VDC (VFWR)
Aux Power Standby Current B200S	.50 mA maximum
Aux Power Standby Current B200S-LF	.55 mA maximum
Aux Power Alarm Current B200S	35 mA maximum
Aux Power Alarm Current B200S-LF	140 mA maximum
SLC Operating Voltage	15 to 32 VDC
SLC Standby/Alarm Current	300 µA max (base only)

Environmental

Operating Temperature:	32ºF – 120ºF (0ºC – 49ºC)
Humidity:	10% – 93% non-condensing

Sound Output

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

Ordering Information

B200S	Intelligent Sounder Base
B200S-LF	Intelligent Low Frequency Sounder Base
M02-04-01	Detector Test Magnet
M02-09-01	Telescoping Test Magnet

SILENT KNIGHT® by Honeywell

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, contact Silent Knight 12 Clintonville Road, Northford, CT 06472-1610 Phone: (800) 328-0103, Fax: (203) 484-7118.
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