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.

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.

B200S-LF   **B200S**

Compatibility

The B200S and B200S-LF are compatible with the following IDP series detectors:

- IDP-Photo Photoelectric smoke detector
- IDP-Photo-T Photoelectric smoke detector with thermal
- 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 and B200S-LF are compatible with the following Farenhyt Series FACPs

- IFP-2100 / IFP-2100ECS / RFP-2100
- IFP-2000 / IFP-2000ECS / RPS-2000
- IFP-1000 / IFP-1000ECS
- IFP-300 / IFP-300ECS
- IFP-100 / IFP-100ECS
- IFP-75
- IFP-50

FEATURES & BENEFITS

- 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)

- UL Listed
- FM Approved

B200S and B200S-LF Technical Specifications

SPECIFICATIONS
Physical
Height: 2.0" (5.08 cm) less sensor
Width: 6.875" (17.46 cm)
Shipping Weight: B200S 0.50 lb. (227 gm);
B200S-LF: 0.60 lb. (272 gm)

ENVIRONMENTAL
Operating Temperature: 32°F - 120°F (0°C-49°C)
Humidity: 10 to 93% non-condensing)

ELECTRICAL RATINGS
Aux power voltage: 16 to 33 VDC (VFWR)
Aux power standby current B200S: .50mA max.
Aux power standby current B200S-LF: .55mA max
Aux power alarm current B200S: 35mA max.
Aux power alarm current B200S-LF: 140mA max.
SLC operating voltage: 15 to 32 VDC
SLC Standby/Alarm Current: 300 µA max (base only)

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: Sounder Base
B200S-LF: Low Frequency Sounder Base

ACCESSORIES
M02-04-01: Detector Test Magnet
M02-09-01: Telescoping Test Magnet

For a complete listing of all compliance approvals and certifications, please visit www.farenhyt.com.

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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 Technical Support, Please call 800-446-6444.

For more information
Learn more about Honeywell's Farenhyt Series and other products available by visiting www.farenhyt.com

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