



Features

- Addressability for maximum configuration flexibility
- Two volume levels (75 or 85 dBA)
- Multiple event-driven tone outputs
- Supports Continuous, ANSI Temporal 3, ANSI Temporal 4, and March Time tones
- Ability to synchronize with System Sensor notification devices
- UL 268 and UL 464 compliant
- Pre-wire mounting plate fits various junction box sizes
- Mechanical locking feature prevents removal of attached sensor head
- Additional terminal connections on Canadian model (APB200COA) enable silence feature
- 520 Hz +/- 10% square wave tone (APB200-LF)

Description

The APB200 series sounder bases set a new standard for performance, installation ease, and aesthetics.

The **APB200** sounder base is designed for new and existing dwelling unit applications. It offers maximum flexibility in installation, configuration, and operation to meet or exceed UL 268, UL 464, CAN/ULC S529 and CAN/ULC S525 requirements.

The sounder base “listens in” to the communication between the attached sensor head and the fire alarm control panel (FACP). The base assumes two module addresses when enrolled alongside of a MIX-COSAP. The FACP can then use that address to command an individual sounder — or a group of sounders — to activate. The command set from the panel can be tailored to the specific event, allowing selection of volume, tone, and group.

The APB200 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 power supply or FACP output capable of generating the System Sensor synchronization pulses.

The APB200 series offers several key advantages. The sounder base employs a separate mounting plate that installs on various junction box sizes to eliminate unsightly surface-mount boxes. The mounting plate enables pre-wiring of all connections to speed and simplify installation. The housing also locks with the mounting plate using two retaining screws, for added tamper resistance.

The **APB200-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.



Specifications

Physical Specifications	
Base Diameter	6.875" (17.46 cm)
Base Height	2.0" (5.08 cm) less sensor
Shipping Weight	APB200: 0.50 lb. (227 gm); APB200-LF: 0.60 lb. (272 gm)
Operating Temperature Range	Refer to applicable sensor Operating Temperature Range using the Base/Sensor Cross Reference Chart at systemsensor.com
Operating Humidity Range	10% to 93% relative humidity (non-condensing)
Electrical Specifications: APB200	
External Supply Voltage	16 to 33 VDC (VFWR)
External Supply Standby Current	500 µA maximum
Alarm Current	35 mA maximum at high-volume setting; 15 mA maximum at low-volume setting
SLC Operating Voltage	15 to 32 VDC
SLC Standby Current	300 µA maximum (base only, refer to applicable sensor specification)
Electrical Specifications: APB200-LF	
External Supply Voltage	16 to 33 VDC (VFWR)
External Supply Standby Current	550 µA maximum
Alarm Current	High volume setting: 70 mA maximum @ 33.0 VDC 90 mA maximum @ 24.0 VDC 140 mA maximum @ 16.0 VDC Low volume setting: 15 mA maximum @ 33.0 VDC 20 mA maximum @ 24.0 VDC 25 mA maximum @ 16.0 VDC
SLC Operating Voltage	15 to 32 VDC
SLC Standby Current	300 µA maximum (base only, refer to applicable sensor specification)
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)

Ordering Information

Model	Description
APB200	Intelligent Sounder Base (<i>UL listed</i>)
APB200COA	Intelligent Sounder Base. Includes CO detector markings in English and French. (<i>ULC listed</i>)
APB200-LF	Intelligent Low Frequency Sounder Base (<i>UL listed</i>)

Note: The APB200 Series sounder bases are compatible with the MIX-COSAP(A) for use with Flex-Net™ intelligent fire alarm control units with firmware version 12.0 or higher operating in Advanced Protocol (AP) mode. CLIP mode is not supported.

Product specifications subject to change without notice.

NOT TO BE USED FOR INSTALLATION PURPOSES.



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