

Features

- Speaker voltage 25 or 70.7 VRMs standard, field selectable
- Field selectable power taps: 1/8W, 1/4W, 1/2W, 1W, 2W, 4W
- High quality DBA output (intelligible)
- Frequency range 400-4000 Hz
- Suitable for 520 Hz low frequency signaling applications
- Screw terminals, separate in/out wiring (18-12 gauge)
- SLC supports NFPA Class B, A and X wiring
- Tamperproof grill
- Off White Faceplate
- Product includes a 5 year warranty



Description

The Speaker Base (PAD100-SPKB) is a wall or ceiling mount adjustable speaker that may be utilized in a variety of applications. The speaker is designed to meet code requirements for audio and voice communications. The PAD100-SPKB offers dependable evacuation signaling. The PAD100-SPKB provides a 25 or 70.7 VRMs speaker with field selectable power taps of 1/8W, 1/4W, 1/2W, 1W, 2W or 4W. The frequency range of the PAD100-SKPB is 400-4000 Hz and is suitable for 520 Hz low frequency tone applications. The base has a locking feature for the sensor that may be used or removed in the field.

The panel will support any combination of sensors or modules on the SLC. The PAD100-SPKB does not consume an address on the loop. The PAD100-SKPB can be mounted to a 4” by 2-1/8” deep square box or the LFSBBB-W back box.

The Speaker Base is not an addressable device. Independent control of the speaker base requires a PAD100-SM speaker module.

Technical Specifications

Working Range for SLC	24 VDC
Standby/Alarm Current	150 µA
Installation temperature range	32°F to 150°F (0°C to 66°C)
Active Current (including indicator)	3.8 mA
Working Voltage	25 Volts, 70.7 Volts
Power Tap Selection for SPK	1/8 Watt , 1/4 Watt, 1/2 Watt, 1 Watt, 2 Watt, 4 Watt
Applicable SLC Wiring Style	Class A, Class B, Class X
Active Indicator	1 LED
Operating relative humidity range	0% to 93% (Non-condensing)
Maximum number of devices per SLC Loop	127
Dimensions (without detector)	Height: 2.75 in (70mm) Diameter: 6 in x 6 in
Mounting Options	Wall or Ceiling

Detector Base Mounting

PAD100-SPKB should be mounted directly on an electrical box (see Figure 1) or the LFSBBB-W back box (see Figure 2). The PAD100-SPKB mounting holes are configured for a 4" x 2-1/8" deep square box. Use a box for each base and run the power circuit to all base locations.

Fig. 1

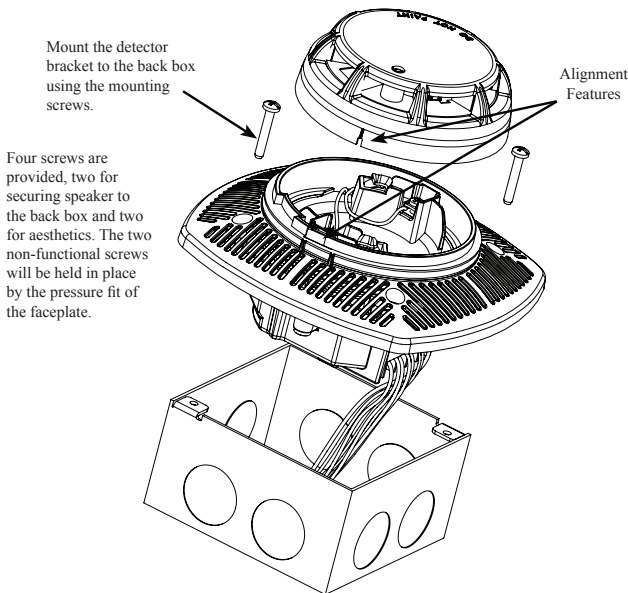
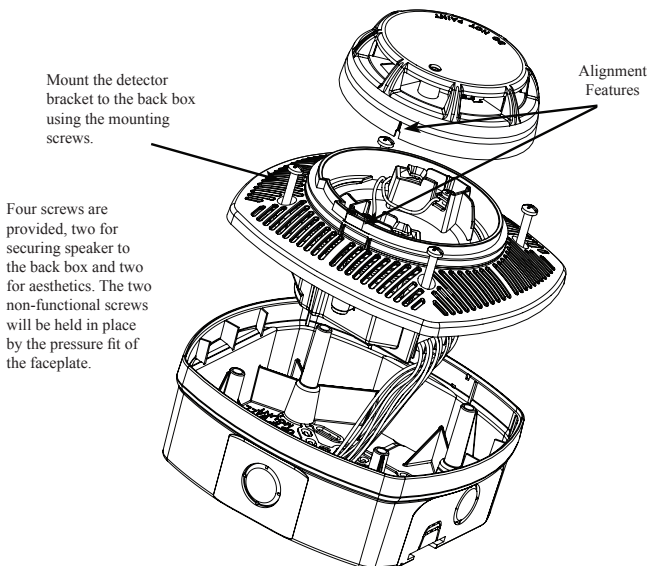


Fig. 2



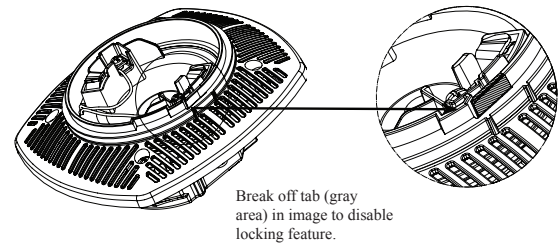
Locking Feature

Eliminate the Locking Feature

PAD100-SPKB include a locking feature that prevents removal of the detector and removal of the base cover without using a tool.

1. To eliminate this feature, break off the locking tab and then install the detector. See Fig. 3.

Fig. 3

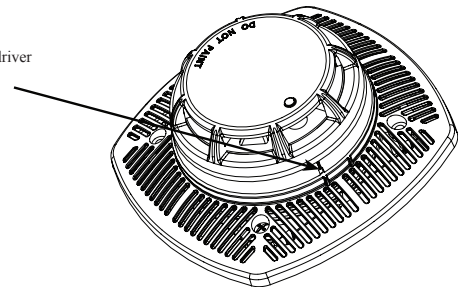


Removing of Detector Head from Base

2. To remove the detector from the base once the locking feature has been activated, insert a small screwdriver into the slot on the base to push the plastic tab while simultaneously turning the detector head counter-clockwise. See Fig. 4.

Fig. 4

Insert small screwdriver into slot to remove detector from base.

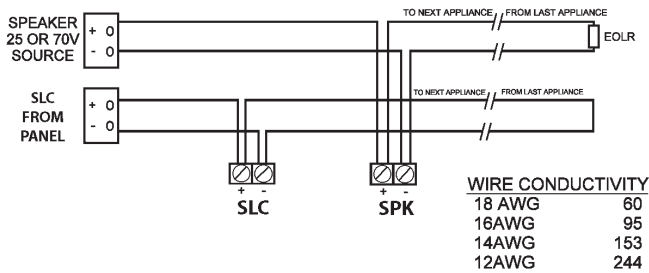


3. To remove the base cover from the lower enclosure once the locking feature has been activated, insert a small screwdriver into the slot on the on the base to push the plastic tab while simultaneously turning the detector head counter-clockwise.

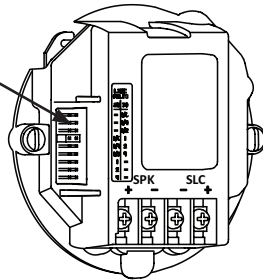
Wiring Diagrams

The SLC supports NFPA wiring Class B, A and X. In the Class A arrangement, two separate conductors would return from the last detector base to a listed compatible Fire Alarm Control Panel (FACP). The frequency range of the PAD100-SPKB is 400-4000Hz and is suitable for line supervision.

Fig. 5



Adjust power taps using needle nose pliers.



PAD100-SPKB Field Selectable Power Tap Selection - Reverberant (dBA @ 10ft.)						
Voltage	1/8 Watt	1/4 Watt	1/2 Watt	1 Watt	2 Watt	4 Watt
25 Volts	75.0 dBA	78.1 dBA	81.2 dBA	83.8 dBA	86.6 dBA	89.7 dBA
70.7 Volts	75.1 dBA	78.1 dBA	80.9 dBA	83.8 dBA	86.9 dBA	89.6 dBA

System Considerations

1. To select the proper wattage input for the speaker, move the jumper to the appropriate pin.
2. Always maintain electrical isolation between speaker and strobe wiring on combination units.
3. Do not exceed 130% of rated speaker voltage. If excessive distortion is heard, check amplifier for signal clipping. If clipping exists, reduce either amplifier input or gain.

Ordering Information

Model	Description	Stock No.
PAD100-SPKB	Speaker Base	3992762
LFSBB-W	Speaker Base Back Box	3992761