

## Features

- Addressable low frequency sounder base, allows for single station, grouped or all call activation
- May be mapped to any device connected to the control panel
- Terminals accept 18 to 12 AWG wire sizes
- Supports Class A, Class X and Class B wiring
- Does not require SLC Loop address, uses PAD sub point addressing feature
- Complies with the Low Frequency Signal Requirements per NFPA 72 and UL 464 for Audible Signaling Devices
- 24 VDC Sounder base power connection supervised internally by each sounder base. No external power supervision relays required.



## Description

The Addressable Low Frequency Sounder Base (PAD100-LFSB) is a sounder base that may be utilized in a variety of applications. The base has a locking feature for the sensor that may be used or removed in the field. Once the head is removed, the sounder is accessible in the bottom of the unit.

The PAD100-LFSB low frequency sounder base is designed to meet NFPA 72 sleeping space requirements to produce a frequency of 520 Hz +/- 10% with a square wave.

It is shown that a lower frequency, centered around 520 Hz, is the ideal to awaken sleeping occupants, even those with mild to severe hearing loss.

The base has an independent sounder module that may be programmed as a single station, zone or all call sounder. The PAD100-LFSB passes through the sound pattern sent to the sounder, therefore it may reproduce in any pattern the power supply provides.

The PAD100-LFSB does not consume an address on the loop and is fully programmable to operate with any input. Once activated the sounder will also follow the input from the power source and deactivate accordingly.

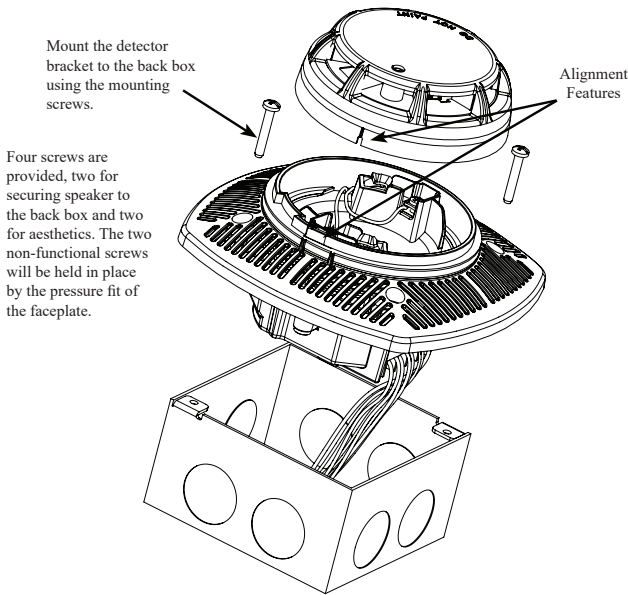
## Technical Specifications

External PWR Voltage	16-33 VDC
External PWR Standby Current	4.1 mA
External PWR Active Current	33 VDC - 86.7 mA 24 VDC - 96.5 mA 16 VDC - 156.6 mA
SLC Operating Voltage	24 VDC
SLC Standby Current	200 $\mu$ A
Installation temperature range	32°F to 120°F (0°C to 49°C)
Operating relative humidity range	0% to 93% (Non-condensing)
Sound Pressure Level	85 DBA minimum
Start-up time	Max. 1 sec.
Maximum number of devices per zone	127
Color	Eggshell White
Dimensions (without detector)	Height: 2.75 in (70mm) Diameter: 6 in (153 mm)
Mounting	Ceiling or wall

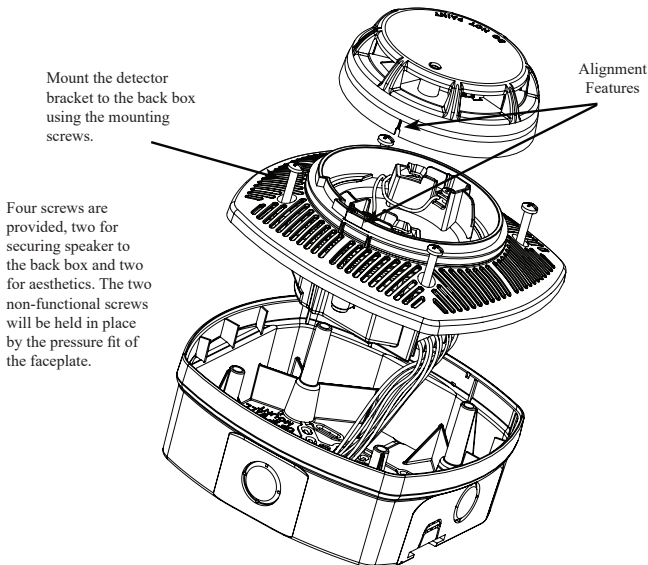
**Detector Base Mounting**

PAD100-LFSB can be mounted directly on an electrical box or the LFSBBB-W back box. The mounting holes are configured for a 4" x 2-1/8" deep square box. See Fig. 1 for electrical box mounting and Fig. 2 for back box mounting.

**Fig. 1**



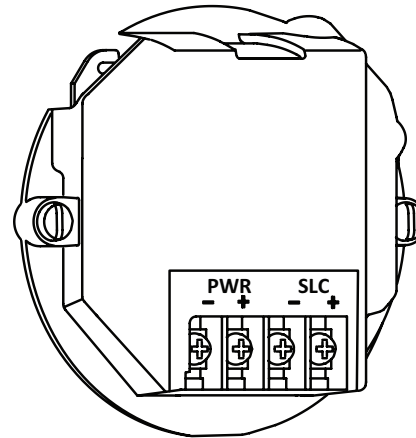
**Fig. 2**



**Detector Base Wiring**

The SLC supports NFPA wiring Class B, A and X. (See device installation sheet for wiring details). The device also requires 24VDC power. 12 to 18 AWG conductors can be used.

**Fig. 3**



**Ordering Information**

Model	Description	Stock No.
PAD100-LFSB	Addressable Low Frequency Sounder Base	3992760
LFSBBB-W	Back Box	3992761