

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 22 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
- UUKL Listed for smoke control



Description

The Addressable Low Frequency Sounder Base (PAD300-LFSB) is a sounder base that may be utilized in a variety of applications. The base has a locking feature for the detector 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 PAD300-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 PAD300-LFSB passes through the sound pattern sent to the sounder, therefore it may reproduce in any pattern the power supply provides.

The PAD300-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

SLC Voltage	24 VDC
SLC Standby Current	300 μ A
PWR Voltage	33 VDC - 75 mA 24 VDC - 95 mA 16 VDC - 155 mA
PWR Active Current	155 mA
Alarm LED Current	1.4 mA
Sound Pressure Level	75 dB @ 10 ft per UL464 85 dB @ 10 ft per UL268
Installation Temperature Range	32 to 150° F (0°C to 66°C)
Operating Humidity Range	< 93% (Non-condensing)
Dimensions	6.4 in (163 mm)
Weight	240 g (8.47 oz)
Height	1.57 in (40 mm)

Detector Base Mounting

PAD300-LFSB can be mounted directly on an electrical box. The mounting holes are configured for a single gang, 3-1/2" octagon, 3-1/2" square, double gang, 4" octagon, 4" square, 50mm c/c, 60mm c/c and 70mm c/c boxes. See Fig. 1.

Fig. 1

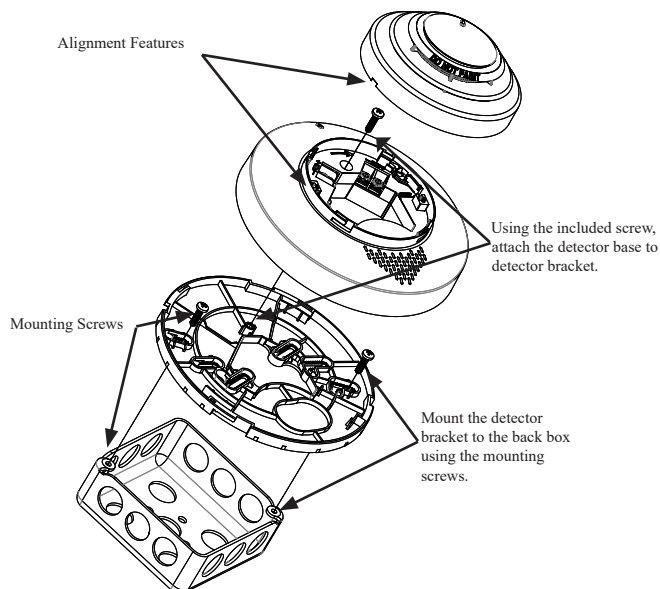


Fig. 2

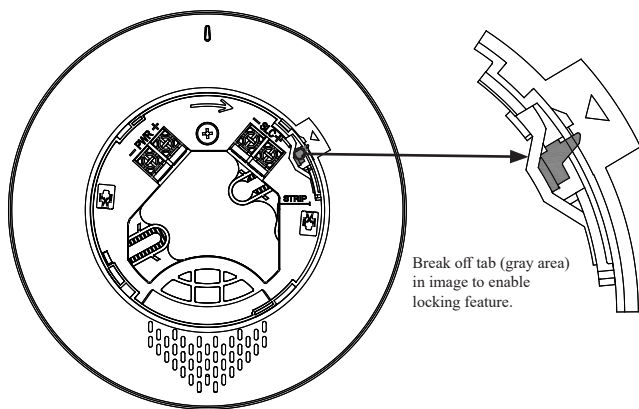
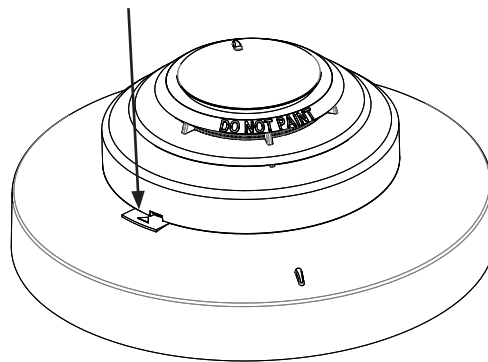


Fig. 3

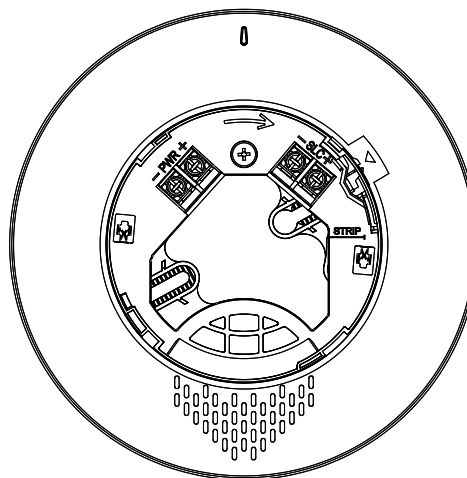
Insert small screwdriver into slot to remove detector from base.



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 4:



Ordering Information

Model	Description	Stock No.
PAD300-LFSB	Addressable Low Frequency Sounder Base	3992786