

# B501BH-3

## Intelligent Sounder Base



Intelligent Device

### General

The B501BH-3 sounder base is used with Notifier intelligent detectors. Refer to the appropriate manual for more information on detectors.

The B501BH-3 sounder base was designed specifically to meet the needs of dwelling unit applications. It offers maximum flexibility in configuration and operation to meet or exceed the requirements of FM3150.

The sounder base is capable of producing either the distinctive three-pulse temporal pattern (ANSI Temporal 3) fire alarm signal now required by NFPA 72 for commercial and residential applications or a continuous tone by simply setting toggle switch from the device. Additionally, the B501BH-3 is designed to be compatible with existing installations of B200S(R) sounder bases.

The sounder base is intended for use with intelligent systems. It requires an external 24VDC supply or communication loop power supply, which is set by using a DPDT slide switch. The sounder base is capable of sounding in high volume or low volume with or without gradient tone. Work-alone mode or synchronization mode is also settable. These functions can independently set by two toggle switches. Refer to the panel manual for maximum allowable number of units per loop.

### Specifications

Base Diameter: 4.04" (10.26cm)

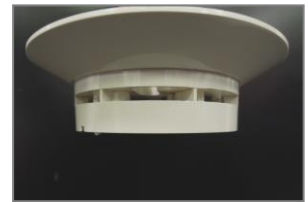
Base Height (less detector): 1.495" (3.8cm)

Operating Temperature Range: -4° to 120°F (-20° to 49°C)

Operating Humidity Range: 10% to 93% relative humidity (non-condensing)



**Sounder Base w/  
Detector  
B501BH-3**



**Sounder Base w/  
Ceiling Trim Plate  
B501BH-3 + CSB-CTP**

### External Supply Electrical Ratings

External Supply Voltage: 16 to 33VDC

Standby Current: 110µA (Typical in 24VDC)

Alarm Current: 35mA maximum

### SLC Electrical Ratings

SLC Operating Voltage: 15 to 32VDC

SLC Standby Current: 110µA (Typical in 24VDC)

Alarm Current: 6.5mA (Setting in low volume). When loop power is used and high volume is required, alarm current will be greater than 6.5mA but less than 35mA.

### Sound Output

High Volume: Output Greater than 75dBA measured in anechoic room at 10 feet, 16 volts in high volume and continuous tone.

Low Volume: Greater than 45dBA less than 75dBA measured in anechoic room at 10 feet, 16 volts in low volume and continuous tone.

### Ordering Information

**B501BH-3CH:** Intelligent Sounder Base; Compatible with FSC-851, FSI-851, FSP-851, FSP-851T, FST-851, FST-851R, FST-851H, FAPT-851, FSL-751, SDX-751CH, FDX-551CH; Ivory

**B501BH-3/WCH:** Intelligent Sounder Base; Same as B501BH-3CH; White

**CSB-CTPCH:** Ceiling trim plate, ivory (pack of 10 pcs)

**CSB-CTP/WCH:** Ceiling trim plate, white (pack of 10 pcs)

**NOTE:** “CH” is only a suffix code for ordering, it does not appear on the product label.

**NOTE:** “W” is only an ordering code to identify white color, it does not appear on the product label as well.

## Listings and Approvals

This listing and approval below apply to intelligent bases as noted. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in progress. Consult factory for listing status.

- **FM Approval**
- **UL Approval**

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