

TR-B501BH-3 TR-B501BH-3/W

Sounder Base

General

The TR-B501BH-3 & TR-B501BH-3/W sounder base are used with TRIGA intelligent detectors, and it is suitable for indoor use and damp locations. Refer to the appropriate manual for more information on detectors.

The TR-B501BH-3 & TR-B501BH-3/W 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 UL268, UL464.

The sounder base is capable of sounding in high volume or low volume and 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.

The sounder base is intended for use with intelligent systems. It includes an isolation circuit, and the isolation circuit enable part of the communications loop to continue operating when a short circuit occurs on it. The module will automatically restore the entire communications loop to the normal condition when the short circuit is removed.

The sounder base requires an external 24VDC.

Specifications

Base Diameter:4.04 inch (103 mm)

Base Height (less detector):2.15 inch(54.6mm)

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

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

External Supply Electrical Ratings

External Supply Voltage:16 to 33 VDC

Rated Voltage:24V

Standby Current:<140µA (Typical in 24VDC)

Alarm Current:35mA maximum



Sound Output

High Volume:Greater than 85dBA in 10 feet in high volume and continuous tone, greater than 75dBA in 10 feet in high volume and Temp-3 tone, 16 Volts, measured in a UL reverberant room.

Low Volume:Greater than 45dBA in 10 feet measured in a UL reverberant room, 16 Volts in low volume, continuous tone or Temp-3 tone.



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Isolator Electrical Ratings

Maximum Current Draw:17mA device in isolation
Maximum Load Current:1A
Maximum ON Resistance:80mΩ @24VDC

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.

- **UL Approval**

Ordering Information

Model	Product Description	Package Quantity
TR-B501 BH-3	SOUNDER BASE, BUILT-IN ISOLATOR, IVORY, UL	ea.
TR-B501 BH-3/W	SOUNDER BASE, BUILT-IN ISOLATOR, WHITE, UL	ea.

Note:

- For use with the following models:
TR-PHOTO-W, TR-PHOTO-IV, TR-PTIR-W, TR-PTIR-IV,
TR-FIRE-CO-W, TR-FIRE-CO-IV

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