Intelligent Detectors

Audible Base for Model 'H'-Series Intelligent Analog Detectors
Model ADBH-11

──────── **ARCHITECT AND ENGINEER SPECIFICATIONS** ────────

- Compatible with Model 'H'-series detectors

- Produces 85dB audible signal (temporal or steady)

- Surface mounting

- ⓊUL 268A, 464 Listed, ⓊULC Listed; CSFM and NYC Fire Dept. Approved

Product Overview

The Model ADBH-11 audible base is designed for use with analog / addressable Models HFP-11 and HFPT-11 detectors. Each Model ADBH-11 contains a pre-wired, audible piezo-electric device that produces an 85dB signal for localized annunciation. Typical application includes all areas that normally would require localized audible annunciation, such as: hotel, motel, apartment, condominium, and dormitory rooms.

Specifications

Model ADBH-11 consists of a standard Series '11' base, combined with supportive circuitry for the HFP-series detectors, and an audible device. All field wiring terminates at two (2) of the (4) four-position terminal blocks located on the back of Model ADBH-11. Model ADBH-11 can be used with the FireFinder XLS family of fire-alarm control panels (FACPs).

Several different configurations can provide audible signal circuit power to Model ADBH-11.

Note: See the typical Installation / Wiring Diagram included with the unit.

During the *supervision* state (no alarms), the polarity of the power to all Model ADBH-11 detectors is in reversed *normal* state, resulting in zero current flow to each base.

When any alarm is reported to the FACP, the power to all Model ADBH-11 detectors reverses polarity, and there is no audible sound. The system may then selectively command Model ADBH-11 — under programmed control — to become audible. All Model ADBH-11 bases are capable of sounding simultaneously — individually or in any combination — depending upon the system program and control panel. Model ADBH-11 is ⓊUL 268A, 464 Listed, and achieves the audibility sound output of 85 decibels (dBs) at 10 feet.

The installation of a jumper wire between Terminals 3 and 4 of Model ADBH-11 changes the tone output from steady to temporal.

<u>Application Note:</u>
Model ADBH-11 is a smoke-detector accessory, combining detector-base and audible-device functions. Model ADBH-11 meets the audibility requirements for smoke alarms, as specified in ⓊUL217: single and multiple-station smoke alarms.

When used in conjunction with listed, compatible equipment, Model ADBH-11 may be used in lieu of single / multiple-station smoke alarms to achieve enhanced system-level functionality.

Detectors Compatible with Model ADBH-11:
HFP-11

HFPO-11

HFPT-11

Model 'H' Series Audible Base **6305**

Application Data

Model ADBH-11 is compatible only with the Model 'H'-series addressable detectors.

The smoke detectors used with Model ADBH-11 are subject to the maximum 30 ft. center spacing (900 sq. ft.) as referred to in the National Fire Protection Association Standard 72. This spacing, however, is based on ideal conditions — namely, smooth ceiling; no air movement, and no physical obstructions between the fire source and the detector.

The aforementioned center-spacing format should be referred to as a guide for detector-installation layout. Do not mount detectors in areas close to ventilating or air-conditioning outlets. Exposed joists or beamed ceilings may also effect safe spacing limitations for detectors.

It is mandatory that NFPA 72 guidelines and good engineering judgment be applied, in regards to detector locations and spacing.

Details for Ordering

Model Number	Part Number	Description	Shipping Weight	
			Lb.	Kg.
ADBH-11	500-033210	Audible Detector Base for Model 'H'-series Detectors	1.0	0.45

Notice: This marketing data sheet is not intended to be used for system design or installation purposes. For the most up-to-date information, refer to each product's installation instructions.