


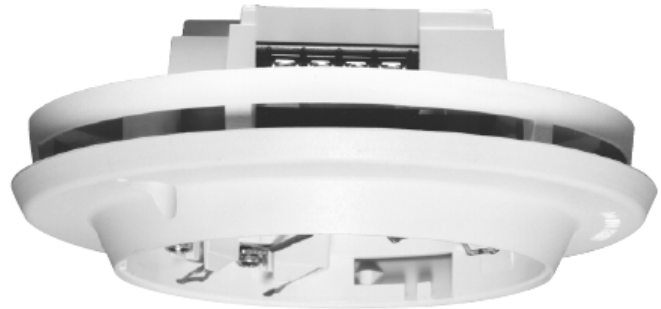
Conventional Detection Devices

Audible Bases

Models ADB-11, ADBH-11 and ADBX-11


ARCHITECT AND ENGINEER SPECIFICATIONS

- Model ADB-11 is compatible with conventional Series 11 detectors
- Model ADBX-11 is compatible with Model FP Series detectors
- Model ADBH-11 is compatible with Model HFP Series detectors
- Models produce 85db audible signal
 - Temporal or Steady
- Surface mounting
- UL Listed; FM, CSFM and NYMEA Approved



Product Overview

Models ADB-11 and ADBX-11 are audible-base detectors that contain a pre-wired, audible and piezo-electric device that produces an 85db signal for localized annunciation. Model ADB-11 is designed to be used with conventional Series 11 plug-in detectors, and Model ADBX-11 is designed for use with addressable, analog Model FP-11 and Model FPT-11 detectors.

Typical application includes all areas that normally would require localized, audible annunciation, such as: hotel, motel, apartment, condominium, and dormitory rooms. Model ADB-11 and Model ADBX-11 are UL listed.

Specifications

ADB-11


Model ADB-11 is powered by a conventional zone of the system control panel with operation of the piezo-electric device being controlled by the detector. During the *supervision* or *non-alarm* condition, circuit ground to Model ADB-11 is absent, and there is zero current flow.

Upon *alarm* to its detector, circuit ground is provided to Model ADB-11, via the base contact, and the audible

device is activated, producing an 85db audible signal, which serves as the local alarm.

Model ADB-11 is turned off by the *reset* of the system control panel. The system control panel guarantees that only one (1) auxiliary or remote device will activate per zone. The addition of a jumper wire between terminals 7 and 8 on the audible base changes the tone from steady to temporal. Model ADB-11 operates with an input-zone power of 17 VDC – 31 VDC, and requires a 4" square, 2½"-deep electrical box.

ADBH-11

There is a smoke-detector accessory, Model ADBH-11, that combines detector-base and audible-device functions. Typical applications for use of Model ADBH-11 include: dormitories, hotels, motels, apartments, etc. 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.

Audible Bases **6180**

Specifications — (continued)

ADBX-11

The Audible Base Model ADBX-11 consists of a standard Series 11 base combined with supportive circuitry for the FP 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 the unit. Model ADBX-11 can be used with the MXL family of control panels.

Several different configurations can provide audible signal-circuit power to Model ADBX-11 at terminals 1 through 4. During the *supervision* state (no alarms), the polarity of the power to all Model ADBX-11 devices is in reversed normal state, resulting in zero current flow to each base.

When any *alarm* is reported to the system, the power to all Model ADBX-11 devices reverses polarity with no audible sound. Hence, the system may then selectively command Model ADBX-11 — under programmed control — to become audible. All Model ADBX-11 bases are capable of sounding simultaneously, individually or in any combination — depending upon the system program and control panel.

Model ADBX-11 is UL 268 Listed, and achieves the audibility sound output of 85 decibels at 10 feet. The installation of a jumper wire between terminals 3 and 4 of Model ADBX-11 changes the tone output from steady to temporal.

Note: Model ADBX-11 is not to be used for primary building evacuation; only as a supplemental, audible signal device.

Application Data

ADB-11 / ADBX-11

Model ADB-11 is fully compatible with Series 11 plug-in detectors. When a Model ADB-11 detector is used with a compatible detector, no remote relay or lamp device can be used with that same detector. Further, no more than 30 compatible detectors of any type or combination [other than thermals or manual stations] may be used on any one (1) conventional system detector circuit.

Model ADBX-11 is compatible only with the FP Series addressable detectors. No more than 60 detectors on MXL or loops may be used on any individual, addressable initiating circuit.

The smoke detectors used with Models ADB-11 and ADBX-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 NFPA-guideline 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 spacing requirement should be used as the 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 to precisely follow NFPA 72 regulations, as well as applying professional engineering judgment, regarding detector locations and spacing.

Technical Data

Audible Output: (Models ADB-11 and ADBX-11)	85dB @ 10 feet / min.
Voltage Rating: (Model ADB-11)	17VDC — 31VDC (zone power)
Supervisory Current: (Model ADB-11)	0mA
Alarm Current: (Model ADB-11)	24mA @ 25VDC
Constraint: (Model ADB-11)	Only one (1) device is guaranteed to activate per zone.
Voltage Rating: (Model ADBX-11)	17VDC — 31VDC (AC power) 20VDC — 27VDC (full wave on battery)
Supervisory Current: (Model ADBX-11)	0mA
Alarm Current: (Model ADBX-11)	24mA @ 25VDC

Compatibility

ADB-11

- DT-11
- PE-11
- PE-11T

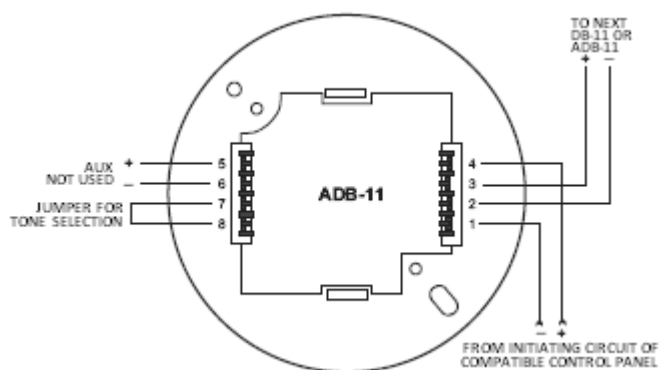
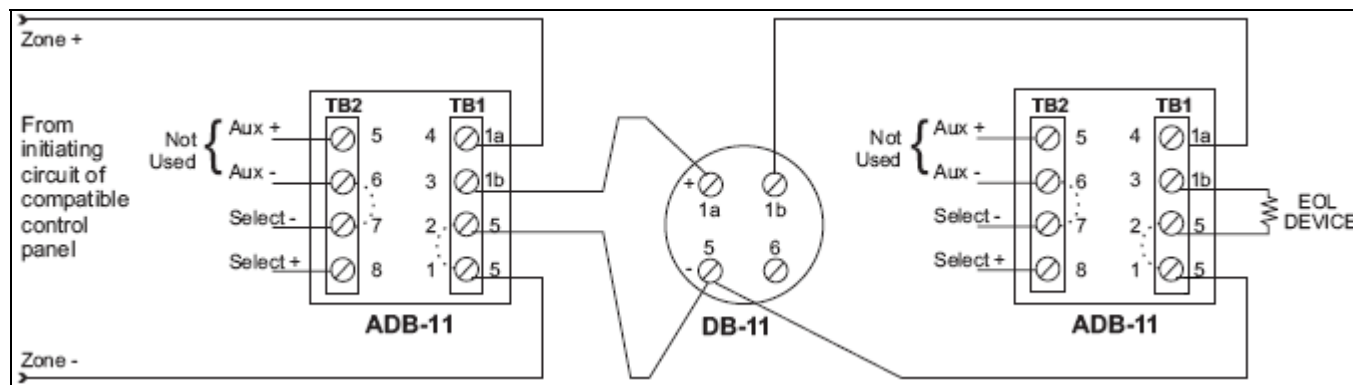
ADBH-11

- HFP-11
- HFPT-11

ADBX-11

- FP-11
- FPT-11

Mounting Diagrams



Details for Ordering

Model Number	Part Number	Description
ADB-11	500-096117	Audible-Base (Series 11) Detector
ADBX-11	500-096181	Audible-Base (FP Series) Detector
ADBH-11	500-033210	Smoke-Detector Accessory
AD2-P	500-649706	Air-Duct Housing
AD2-PR	500-649707	Air-Duct Housing with Relay
AD2-4W	500-649709	Self-Contained Air-Duct Housing with Power Supply and Relay
DB-ADPT	500-094187	Adapter for Model PE-11 to Model DB-3 Base
DB-11	500-094151	Low-Profile Surface-Mount Base
DB-11E	500-094151E	Smaller-Diameter Detector Base
DMK-11	500-695338	Detector Maintenance Kit
LK-11	500-695350	Model PE-11 Detector-Locking Kit
PE-11	500-094150	Conventional Photoelectric Smoke Detector
PE-11T	500-095150	Photoelectric Smoke Detector with 135°F Thermal Sensor
RLC-11	500-694625	Remote LED Ceiling Mount Detector, Red
RLW-11	500-694626	Remote LED Wall Mount Detector, Red
RR-11	500-694922	Relay Module
RSAC-11	500-694935	Remote, Multi-Color LED: Ceiling Mount
RSAW-11	500-695101	Remote, Multi-Color LED: Wall Mount

LED Indicator Operation

Flash Color	Condition	Flash Interval (in seconds)
Green:	Normal supervisory operation.	10
Yellow:	Detector is in trouble and needs replacement.	5
Red:	Alarm condition.	2.5
No Flash:	Detector is not powered, or detector requires repair.	—

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Notice: This marketing catalog 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.

SIEMENS Industry, Inc.
Building Technologies Division

Fire Safety
8 Fernwood Road
Florham Park, NJ 07932
Tel: (973) 593-2600
FAX: (908) 547-6877
URL: www.SBT.Siemens.com/FIS

SII
Printed in U.S.A.

Fire Safety
2 Kenview Boulevard
Brampton, Ontario
L6T 5E4 / Canada
Tel: (905) 799-9937
FAX: (905) 799-9858

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