Reviewed for Code Compliance
Inspections Division
Approved with Conditions
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Detection Bases

Audible Base for 'HFP' / '87'-series and Cerberus PRO Intelligent Detectors Model SBGA-34

ARCHITECT AND ENGINEER SPECIFICATIONS

- **Works with Models 'HFP'-series, '87'-series and Cerberus PRO Intelligent detectors**
- **Audible tones:**
  - American National Standards Institute (ANSI) Temporal 3 pattern
  - ANSI Temporal 4 pattern
  - Temporal 4 pattern (Carbon Monoxide [CO] code-compliant tone)
    - produces a continuous 2400 Hz tone
    - can also follow the Siemens fire alarm control panel (FACP) notification appliance circuit (NAC) output
- **Provides audible signals for FIRE (Temporal 3) and CO (Temporal 4) without the need for two (2) separate detectors or audible sounder devices**
- **Pre-wire mounting plates fit various junction-box sizes**
- **System compatible with:**
  - Cerberus™ PRO's Models FC901, FC922 and FC924 FACPs
  - FireFinder® XLS FACPs
  - FireSeeker® FS-250 FACPs
  - Siemens PAD-series NAC Extenders

Model SBGA-34
(Front View)

Model SBGA-34
(Back View)

- **Replaces single / multiple-station smoke alarms in residential occupancies (when used with listed Siemens fire systems)**
- **Multiple, event-driven tone outputs**
- **Generates up to 85dbA signals at 10 feet (3.1 m)**
- **UL268, 464 Listed, ULC-S525 Listed; CSFM Listed**

Product Overview

The Model SBGA-34 Audible Base from Siemens — Fire Safety is an intelligent detector base consisting of a standard Siemens Series '11' base, which combines supportive circuitry for Cerberus PRO as well as Models 'HFP'-series and '87'-series detectors. Each Model SBGA-34 base also contains an audible sounder device.

Model SBGA-34, which is used with the polarity-insensitive Siemens Models 8710, 8712, 8713, HFP-11, HFPO-11, and HFPT-11 intelligent detectors, also functions with the Cerberus PRO Models OH921, HI921, OP921, OOH941, and OOHC941 intelligent detectors.

Note: Models SFP-11, SFPO-11 and SFPT-11 detectors are approved for use exclusively in Canada.

Typical applications of each Model SBGA-34 detector would include all vicinities that normally would require localized audible annunciation, such as: hotels, motels, apartments, condominiums, dormitories, guest suites, day-care, residential boards, and care facilities.

Model SBGA-34 can be used with the following Siemens fire systems: FireFinder XLS, Cerberus PRO, FireSeeker FS-250 and PAD-series NAC Extenders.

Specifications

Model SBGA-34 consists of a standard Siemens — Fire Safety Series '11' base — combined with supportive circuitry for Cerberus PRO as well as Models 'HFP'-series and '87'-series detectors. Each Model SBGA-34 base also contains an audible sounder device.

All field wiring terminates at two (2) of the (4) four-position terminal blocks located on the back of Model SBGA-34.

Each Model SBGA-34 contains a pre-wired, audible piezo-electric device that produces a signal up to 85dBA at 10 ft. (3.1m) for localized annunciation.

Several different configurations can provide audible signal circuit power to Model SBGA-34.

Note: See the Wiring Diagram [**P/N: A6V10383428**] in the Installation and Operation Manual for Model SBGA-34 included in the shipment of each unit.

When a fire system is in *Supervised* mode, the polarity of the power to all Model SBGA-34 detectors is in reversed normal state, resulting in zero current flow to each base. All Model SBGA-34 bases are capable of sounding simultaneously, individually or in any combination — depending upon the system program and FACP.

Specifications — (continued)

When an *Alarm* command is reported to the FACP, power to all Model SBGA-34 detectors reverses polarity, and there is no audible sound. The system may then selectively command Model SBGA-34 — under automatic control — to become audible.

The installation of a jumper wire between Terminals 3 and 4 of Model SBGA-34 changes the tone output from 'Steady' to 'Temporal.'

Each Model SBGA-34 audible base is ®UL268, ®UL464 Listed as well as ®ULC-S525 Listed for Canada.

Compatible Detectors

Each Model SBGA-34 audible base is compatible with the following Siemens Intelligent detectors:

Model Number	Installation Instructions Part Number
8710	315-033290FA
8712	
8713	
HFPO-11	315-034800
HFP-11	315-033290
HFPT-11	
OH921	A6V10323936
HI921	A6V10323932
OP921	A6V10323928
OOH941	A6V10324659
OOHC941	A6V10324661
SFP-11	315-033290C
SFPT-11	
SFPO-11	315-033290C

Note: Models SFP-11, SFPO-11 and SFPT-11 detectors are approved for use exclusive to Canada customers.

Application Data

Model SBGA-34 is compatible with Siemens Models 'HFP'-series, '87'-series and Cerberus PRO intelligent detectors.

The smoke detectors used with Model SBGA-34 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 for NFPA 72 guidelines and good engineering judgment be applied to detector placements and spacing.

Application Notes:

Model SBGA-34 is a smoke-detector supplementary device, combining detector-base and audible-device functions. Model SBGA-34 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 SBGA-34 may be used (in lieu of single / multiple-station smoke alarms) to achieve enhanced system-level functionality.

When used to follow the NAC-tone pattern, Model SBGA-34 must be set to 'Steady' tone, and the system to which it is connected must be configured accordingly for the desired application.

This allows Model SBGA-34 to transition from one tone to another audible pattern (e.g. – from 'Temporal 4' to 'Temporal 3'). Proper criteria must be met, and synchronization with the NAC zone for which it is connected can occur.

Technical Data

Electrical:

Voltage:	17 — 31 VDC (for Special Applications)
Admissible Cross-Section Cable Design:	14 — 22 AWG (American Wire Gauge)
Supervisory Current:	*Supervisory* Loop: 0.6mA
	External Power Supply: 0mA
Alarm Current:	*Alarm* Loop: 2.8mA
	External Power Supply: 56mA

— Audibility Measurements at 10 ft. (3.1 m) —

UL464:	79dBA
UL268:	85dBA
ULC-S525:	85dBA

Details for Ordering

Model Number	Part Number	Description
SBGA-34	S54370-F13-A1	Audible Detector Base for Siemens Fire Safety Intelligent Detectors

SIEMENS Cerberus™ PRO

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NOTICE — The information contained in this data-sheet document is intended only as a summary, and is subject to change without notice. The devices described here have specific instruction sheets that cover various technical, limitation and liability information.

Copies of these instruction sheets and the *General Product Warning and Limitations* document, which also contains important information, are provided with the product and, are available from the Manufacturer.

Information contained in these documents should be consulted before specifying or using the product. For further information or assistance concerning particular problems contact the Manufacturer.

SIEMENS

Fire Safety

ADB-BOX

Retrofit Adapter Box for Audible Bases

ENGINEER AND ARCHITECT SPECIFICATIONS

Model ADB-BOX Fire Alarm Accessory

- Compatible with ADB-11, ADBX-11, ADB-3 and ADBI-60
- Used for Retrofit and Surface Applications

ADB-BOX

ADB-BOX with Audible Base Installed

Introduction

The ADB-BOX is a backbox designed for installations where the electrical box is not large enough to accommodate and audible base. Typical installations would be where an audible base is required after the electrical box has been installed or a on a new installation that is using existing wiring and backboxes.

Description

The ADB-Box is designed specifically for use with Fire Safety Brand audible bases. It has knockouts on the back plate for wire entry and will mount over single-gang, double-gang, 4-inch square or octagonal electrical box. The ADB-BOX is of steel construction for durability and is painted to blend with either Series-3 or Series-11 audible bases and detectors.

Ordering Information

Model Number	Description	Weight	Part Number
ADB-BOX	Retrofit Adapter Box	0.9 lbs., 0.4kg	500-698360

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Fire Safety

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