Detection Bases

Audible Base for 'HFP' / '87'-Series and Cerberus PRO Intelligent Detectors

Model SBGA-34

Architect & 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**

☐ **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.

Model SBGA-34
(Front & Back View)

Specifications (cont.)

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.

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.

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 affect safe spacing limitations for detectors.
It is mandatory for NFPA 72 guidelines and good engineering judgment be applied to detector placements and spacing.

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., '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 Ratings	
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 OR TYPE	PART NUMBER	PRODUCT
SBGA-34	S54370-F13-A1	Audible Detector Base for Siemens Fire Safety Intelligent Detectors

Compatible Detectors

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

Model	Data Sheet Number
OH921	9900
HI921	9901
OP921	9902
OOHC941	9903
OOH941	9904

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SIEMENS

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