SIEMENS

Installation/Wiring Instructions

MODEL DB-11/-11E DETECTOR BASE

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

DB-HR (REMOTE RELAY BASE Date: 06/19/13

CAUTION:

1. **Do not use looped wire under base terminal 5. Break wire run to provide supervision of connection.**
2. **When a remote relay is used to control a critical system function, the relay and its associated detector and optional module(s) must be the ONLY devices on the initiating circuit.**

MULTIPLE REMOTE DEVICES

If remote devices are supported by the initiating circuit, each detector/base may have up to 2 remote devices with the following configurations and restrictions only:

Remote Device 1	Remote Device 2	Restrictions
RR-11	RLC-11, RLW-11	See Caution 2
RR-11	RSAC-11, RSAW-11	See Caution 2
RLC-11, RLW-11	RSAC-11, RSAW-11	Wire from base to
RLC-11, RLW-11	RLC-11, RLW-11	RSAC-11/RSAW-11 to RL-11

Figure 1 Wiring Diagram for DB-11/-11E using PE-11, PE-11T, and DT-11 Detectors

*The relay contacts are shown in the Non-Alarm/System Reset condition.

Figure 2 Wiring Diagram for DB-11/-11E using FP-11, FPT-11, FS-DP, FS-DPT, and FS-DT Detectors

*The relay contacts are shown in the Non-Alarm/System Reset condition.
**HFP-11/HFPT-11/HFPO-11SFP-11/SFPT-11/SFPO-11 is a polarity insensitive detector. Line 1 and Line 2 can be either line of the loop.
NOTE: SFP-11 Series detectors are approved for use in Canada only.

Figure 3 Wiring Diagram for DB-11/-11E using HFP-11 Series and SFP-11 Series Detectors

Siemens Building Technologies, Inc.
8 Fernwood Road
Florham Park, New Jersey 07932

Siemens Building Technologies, Ltd.
2 Kenview Boulevard
Brampton, Ontario, Canada L6T 5E4

Model DB-11/-11E

(P/N 500-094151/500-094151E)

Siemens Building Technologies, Inc.
8 Fernwood Road
Florham Park, New Jersey 07932

Siemens Building Technologies, Ltd.
2 Kenview Boulevard
Brampton, Ontario, Canada L6T 5E4

M

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DETECTOR AND BASE PLACEMENT

Detector and base locations shall follow the drawings provided or approved by Siemens Building Technologies, Inc. or its authorized distributors. This is extremely important! The detector placements shown on these drawings were chosen after a careful evaluation of all facets of the protected area. When drawings are not available, refer to *Detector Placement* section of detector Installation/Wiring Instructions and to NFPA Standard 72 and CAN/ULC-S524.

Figure 4
Mounting The DB-11 Base

BASE WIRING

Siemens Building Technologies, Inc.'s detectors should be interconnected as shown in Figures 1, 2 or 3 and wired to the control panel following the wiring connection drawing installed on the inside face of each control panel cover. NOTE: H Series devices are wired to the DLC or FS-DLC; S Series devices are wired to the FDLC. **Note any limitations on the number of detectors and restrictions on the use of remote devices permitted for each circuit.**

DETECTOR MOUNTING USING THE DB-11/-11E BASE

The detector is provided with a separate base which attaches to a standard 4 inch square, 4 inch octagonal, or single gang electrical box, with the box size and depth required by the NEC for the number and size of conductors used. Wire size: max – 14 AWG, min – 18 AWG.

Figure 5
Mounting The DB-11E Base

Refer to Figures 4 and 5, as applicable.

1. Route all wires outward from outlet box.
2. When ALARM LED viewing is critical, position the LED mark in the base in the intended direction.
3. Route wires through the hole in the center of the base and mount base to outlet box. Make connections directly to the base terminals. Refer to Figures 1, 2 and 3 for details.
4. After all bases are installed, check loop continuity. Refer to the System Manual for the loop continuity check procedure. To allow for the continuity check with PE-11, PE-11T or DT-11 detectors, use DBJ-11 Jumper Kit, P/N 500-699167 (between terminals 1a and 1b) to complete the loop. Do not use a jumper for FP-11/HFP-11/FS/SFP-11 family devices.
5. Continuity jumper must be removed from each base prior to installing detector.
6. To insure proper installation of the detector head into the base:
   a. Route wires away from connector terminals.
   b. Take up all slack in the outlet box.
   c. Properly dress and position all wires flat against the base.
   d. Check that screw terminals are tight.
7. (DB-11 only) Break off the two mounting hole covers, and insert in two outer base mounting holes.

SIEMENS

Installation Instructions
Model OOHC941

Multi-Criteria Fire/CO Detector

Reviewed for Code Compliance
Inspections Division
Approved with Conditions

Date: 06/19/13

Figure 1
OOHC941

These instructions are written in accordance with the installation guidelines of NFPA 72, National Fire Alarm Code. The model OOHC941 detector (as shown in Figure 1) meets the VEWFD (Very Early Warning Fire Detector) classification and sensitivity requirements of NFPA 76 (Standard for the Fire Protection of Telecommunications Facilities) incorporating a programmable "Alert" (Pre-Alarm) sensitivity threshold of 0.2%/ft obscuration and an "Alarm" sensitivity threshold of 1.0%/ft obscuration.

CAUTION
Detection Device Storage

DO NOT install this detection device until all construction is completed.

DO NOT store this detection device where it can be contaminated by dirt, dust, or humidity.

DETECTOR PLACEMENT

Although no specific spacings are set for the detectors used for a clean air application, for multi-criteria fire detection use 30 foot center spacing (900 sq ft) from NFPA Standard 72 initiating devices chapter, if practical, as a guide or starting point for a detector installation layout. This spacing, however, is based on ideal conditions–smooth ceiling, no air movement, and no physical obstructions. In some applications, therefore, considerably less area is protected adequately by each smoke detector. This is why it is mandatory to closely follow the installation drawings. In all installations place the detector on the ceiling, a minimum of 6 inches from a side wall, or on a wall, 12 inches from the ceiling. For CO gas detection applications, follow detector installation requirements in NFPA 720, Standard for Installation of Carbon Monoxide Detection and Warning Equipment.

For thermal detection, use the matrix below:

Spacing, Feet	Temperature Rating, ^{0}F	With/Without Guard Model
50	135, 145, 155, 165, 175	With and Without Guard
60	135, 145, 155, 165, 175	Without Guard
60	135, 145, 155	With Guard
70	135, 145	Without Guard
70	135	With Guard

If you have any questions regarding detector placement, follow the drawings provided or approved by Siemens Industry, Inc., or by its authorized distributors. This is extremely important! The detector placements shown on these drawings were chosen after a careful evaluation of the area that is protected. Such factors as air currents, temperature, humidity, pressure, and the nature of the fire load were carefully considered. Especially noted were the room or area configuration and the type of ceiling (sloped or flat, smooth or beamed). Siemens Industry, Inc.'s extensive experience in the design of the system assures the best detector placement by following these drawings.

TO AVOID NUISANCE ALARMS

Do not locate the detectors where excessive smoke concentrations exist under normal conditions, or in areas of prolonged high relative humidity where condensation occurs.

Do not locate the detectors next to an oil burner, kitchen, or garage where exhaust fumes can trigger an alarm. Other causes of false alarm are dust accumulation, heavy concentrations of steam, heavy pipe or cigar smoke, and certain aerosol sprays.

AIR CURRENTS

Before a detector can sense a fire, the products of combustion or smoke must travel from the fire to the detector. This travel is especially influenced by air currents; therefore, consider air movement when designing the system. While combustion products tend to rise, drafts from hallways, air diffusers, fans, etc., may help or hinder the travel of combustion products to the detector. When positioning a detector at a particular location, give consideration to windows and doors, both open and closed, to ventilating systems, both in and out of operation, and to other factors influencing air movement. Do not install a detector in the air stream of a room air supply diffuser. It is better to position a detector closer to an air return.

The distance that products of combustion or smoke travel from a fire to the detector is not usually the shortest linear route. Combustion products or smoke usually rise to the ceiling, then spread out. Average ceiling heights of 8 to 10 feet do not abnormally affect detector response. High ceilings, located in churches, warehouses, auditoriums, etc., do affect detector response and should be considered.

SPECIAL CEILING CONSTRUCTION FACTORS

Ceiling obstructions change the natural movement of air and combustion products. Depending on the direction of smoke travel, joists and beams can slow the movement of heated air

Siemens Industry, Inc.
Building Technologies Division

and smoke, while pockets between them can contain a reduced level of smoke. Take obstructions created by girders, joists, beams, air conditioning ducts, or architectural design into consideration when determining area protection. Refer to the Initiating Devices chapter of NFPA Standard 72 for Location and Spacing requirements for specific types of construction; e.g. beam, suspended, level, sloped and peaked ceilings.

TEMPERATURE – HUMIDITY – PRESSURE – AIR VELOCITY

The temperature range for the OOHC941 detector is 32°F (0°C) to 120°F (49°C). Use the detector in environments where the humidity does not exceed 95% (non-condensing). Normal changes of atmospheric pressure do not affect detector sensitivity. The air velocity range is 0-4000 ft/min for open areas applications. Follow detector spacing and location requirements in NFPA 72 Chapter for *High Air Movement Areas* and *Control of Smoke Spread.* The detectors can also be installed in duct applications between 0 and 4000 ft/min. For duct installations follow detector installation requirements in NFPA 90A, Chapter for *Special Ceiling Construction Factors.* When the detectors employ a fixed temperature rating of 165^{0}F or less, they are intended for a maximum installation temperature of 100^{0}F (37.8^{0}C).

UL listed with STI Mechanical Protection Guard Model: STI-9604 (see www.STI-USA.com for details).

LED INDICATOR OPERATION

The Model OOHC941 contains an LED indicator capable of flashing either one of three distinct colors: green, yellow, or red. During each flash interval, the microprocessor-based detector monitors the following:

- Smoke in its sensing chamber
- Smoke sensitivity is within the range indicated on the nameplate label
- Internal sensors and electronics

Based on the results of the monitoring, the LED indicator flashes the following:

Flash Color	Condition	Flash Interval (Seconds)
Green*	Normal supervisory operation. Smoke sensitivity is within rated limits.	10
Yellow	Detector is in trouble and needs replacement.	4
Red	Alarm	1
No Flashes*	Detector is not powered, or replacement is needed.	-
*LED can be turned off. Please follow the corresponding description of the Panel used.		

DETECTOR PROGRAMMING

Each detector must be programmed to respond to a unique system address between 001 - 050 for FC901.

- To program the detector address, use the Model 8720 or DPU Programming Unit. Refer to the 8720 Manual, P/N 315-033260FA or the DPU Manual, P/N 315-033260.
- Record the loop and device number (system address) for the detector on the detector label and on the base to prevent installing the detector in the wrong base. The optional 8720/ DPU label printer can be used for this purpose.

Each detector provides pre-programmed parameter sets which can be selected by the panel. The OOHC941 provides three different alarm channels: multi-criteria (UL268) and direct in-duct (UL268A), heat (UL521), and CO (UL
simultaneously and can be configur
individually by the panel. Follow the c
provided in the operation manual of s
The OOHC941 can be set to the OOHC
Profiles, OOHC941 Selectable Fixe
Profiles and OOHC941 Selectable
Profiles shown in the tables below anc

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Additionally the detector can have ar
configured by the panel to have a low or high temperature warning in the range from -4° to 120°F (-20° to 49°C). (Not with FC901.)

Additionally the detector can be configured by the panel to have a CO gas concentration warning in the range of 30-600ppm. (Not with FC901.)

OOHC941 Selectable Fixed Temperature Threshold Profiles

Fixed temperature 135^{0}F
Fixed temperature 145^{0}F
Fixed temperature 155^{0}F
Fixed temperature 165^{0}F
Fixed temperature 175^{0}F
Fixed temperature 135^{0}F + Rate of Rise (RoR) 15^{0}F
Fixed temperature 175^{0}F + Rate of Rise (RoR) 15^{0}F
Fixed temperature 135^{0}F + Rate of Rise (RoR) 20^{0}F
Fixed temperature 175^{0}F + Rate of Rise (RoR) 20^{0}F

OOHC941 Selectable Alarm Threshold Setting Profiles

2.50 % / ft Threshold
3.00 % / ft Threshold
2.50 % / ft Threshold, verified
3.00 % / ft Threshold, verified

ELECTRICAL

For information on electrical characteristics of the detector, refer to the OOH941/OOHC941 Technical Manual, A6V10325547 at http://iknow.us009.siemens.net/infolink. Refer to the panel Installation, Operation and Maintenance Manual for maximum line impedance of the loop driver.

WIRING

Detector bases for Model OOHC941 should be connected as shown in Figure 2.

DETECTOR MOUNTING

The recommended orientation of the detector for wall mounting is shown in Figure 3. To ensure proper installation of the detector head into the base, be sure the wires are properly dressed at installation:

- Position all wires flat against the base.
- Take up all slack in the outlet box
- Route wires away from connector terminals.

TO INSTALL DETECTOR HEAD:

- Rotate detector counterclockwise while gently pressing on it until the detector seats fully into base.
- Then rotate the detector clockwise until it stops and locks in place. Insert optional locking screw (Order Model LK-11).

TO REMOVE DETECTOR HEAD:

- Loosen locking screw, if installed. Then rotate the detector counterclockwise until stop is reached.
- Pull detector out of base.

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OOHC941 Selectable Application Profiles

Telecommu ica ion	Very contro led en ironment, clean, temperature closely reg lated, igh value clear eq ipment opera ing and igh air velocity condi ions. Often has igh cei ings. Mee req irements of NFPA 76 Standard for the Protec ion of Telecommu ica ion Eq ip Very Early War ing Fire Detec ion Pre-Alarm to prevent down ime and maintain cri i
Incipient	Very contro led en ironment, clean, temperature closely reg lated. Pro ides early v
Ion eq ivalent	Used as an alterna ive to lo iza ion detecto Sensi ive to laming fres and sma l i Can be used for cross zo ing suppression req irements.
Data Center	Contro led en ironment contai ing data processing, cable and or Telco eq ipment, igh air velocit often contains sub-loors.
Computer Room	Very contro led en ironment, clean, temperature closely reg lated, igh value clean signal processing eq ipment opera ing and igh air velocity condi ions.
Precious Storage	Sensitve materials or equipment storage, clean dust-free en ironment, ear iest war ing desired.
Power Genera ion	Contro led en ironment, minor or no temperature swing, R f welding, electrical arcing present. Some airborne (decep ive phenomena) contaminant present.
Hospital	Contro led clean en ironment. High level risk. Some exposure RF generating eq ipment. Exposure to clea ing solvents.
Health Care	Higher level risk, rela ively clean, electro ic eq ipment. Some chemical and clea ing vapor exposure.
Dormitory	Airborne dust and temperature changes, l ing quarters. Cooking fumes, smoking and steam.
Uti ity Room	Transformer room, normal to somewhat dirty en ironment, heat from run ing eq ipment.
Lobby	Rela ively clean area, temperature changes, ce l lar phones, some outside par ic late.
Of ice	Reasonably clean, c imate contro led atmosphere.
Hotel	Life safet some temperature swings, steam, smoking and cooking possible.
School	Life safet some temperature swings and airborne contaminants.
Warehouse	Airborne dust, eq ipment, fork ift and ight to medium dock area and exhaust fumes.
Manufacturing	Semi-contro led en ironment can include solde ing, welding, airborne contaminants including chemical vapor exposure.
Parking Garage	Airborne dust. Car and diesel fumes, large temperature swings.
Open En ironment	Large open areas, atriums, arenas, stadiums. Temperature swings, decep ive phenomena from fumes possible.
EMI noise	Electrical interface, RF and our specia zed eq ipment genera ing electrical signal. Other en ironmental condi ions are normal.
Hos ile	Dirt dust humid, opera ing eq ipment, RF present, wide temperature swings.
Data Center w/CO	Contro led en ironment contai ing data processing, cable and or Telco eq ipment, igh air velocit often contains sub-loors.
Hotel w/CO	Pro ides CO sensor suppor ing n isance alarm avoidance, some temperature swings, steam, smoking and cooking possible.
Hos ile w/CO	Adds CO sensor to robust smoke detec ion for avoiding n isance alarms from decep ive phenomena. Dirt dust humid, opera ing eq ipment, RF present, wide temperature swings.
Duct w/CO	Smoke detec ion in duct with CO support. High air velocit dirt dust humid, wide temperature swings.

OOHC941 CO Life Safety Profile

Balanced US1*	The Balanced US1 parameter set meets UL2075 and ful ls sensiti ity req irements from UL2034 and CSA 6.19-1.

*Not used with FC901

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*The relay contacts are shown after System reset, which represents the non-alarm condition.
**OOHC941 is a polarity insensitive detector. Line 1 and Line 2 can be either line of the loop.
***OOHC941 is NOT compatible with the DB-HR base.

Figure 2
Installation and Wiring Diagram

Figure 3
Recommended Detector Wall Mounting / Detector Guard Orientation

DETECTOR TESTING

Only qualified service personnel should test. To assure proper operation of the detector, both the Sensitivity and Functional Test should be conducted. The minimum test schedule may be found in the current edition of NFPA 72.

The CO sensor of the OOHC941 has a 5-year lifetime from the date of installation.

SENSITIVITY MEASUREMENT

The sensitivity of OOHC941 detectors can be tested individually using the 8720 or DPU. Refer to the 8720 Manual, P/N 315-033260FA or the DPU Manual, P/N 315-033260. The sensitivity can be measured by the panel. Follow the instructions of the panel used.

FUNCTIONAL TEST

Perform a functional (Go, No-Go) test by activating the detector using SmokeCheck™ Test Gas from HSI Fire & Safety Group, part number HO-25S (see www.homesafeguard.com for details), following the instruction on the gas canister label.

CAUTION: DO NOT USE AT DISTANCES SMALLER THAN 2 FEET (0.6m) FROM DETECTOR.

This test is simply used to ensure that smoke can enter the sensing chamber and alarm the control panel when the detector reaches the programmed obscuration (concentration) level.

CAUTION: DO NOT USE ANY TEST GAS OTHER THAN THE ONE MENTIONED ABOVE AS COMPATIBILITY TO THE CO SENSOR CANNOT BE ASSURED.

Perform a CO functional (Go, No-Go) test by activating the detector using CO Test Gas, P/N 500-650053, following the instruction on the gas canister label. Spray the gas stream into the detector opening at the position of the alarm indicator. A distance of approximately 2 inches (5cm) from the CO sensor to the gas can is required. Use only short (approx. 1-2 seconds) activation of the gas can. This test is simply used to ensure that CO gas can enter the sensing chamber and alarm the control panel when the detector reaches the programmed obscuration (concentration) level.

The OOHC941 detectors can also be tested individually using the 8720 or DPU. Refer to the 8720 Manual, P/N 315-033260FA, or the DPU Manual, P/N 315-033260.

MAINTENANCE

The control unit automatically indicates the trouble message for the OOHC941 detector whose smoke chamber changes to the level where the set sensitivity cannot be maintained. In such circumstances, the detector may require replacement.

CAUTION: UNDER NO CIRCUMSTANCES IS THE DETECTOR HEAD TO BE DISASSEMBLED. NO REPAIRS SHOULD BE ATTEMPTED.

DO NOT PAINT

The detector/base plastic is marked **DO NOT PAINT**. This is intended to prohibit painting during routine maintenance of the occupancy which can affect proper operation of the detector.

COMPATIBLE CONTROL EQUIPMENT	
Equipment Compatibility Identifier	**Installation/Wiring Instructions**
FC901-U3/-R3	A6V10336897

The detector model number is the compatibility identifier.

Siemens Industry, Inc.
Building Technologies Division
8 Fernwood Road
Florham Park, NJ 07932

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Detection Bases

Audible Base for 'HFP'/'87'-series and Cerberus PRO Int
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.

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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 8712 8713	315-033290FA
HFPO-11	315-034800
HFP-11 HFPT-11	315-033290
OH921	A6V10323936
HI921	A6V10323932
OP921	A6V10323928
OOH941	A6V10324659
OOHC941	A6V10324661
SFP-11 SFPT-11	315-033290C
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-spaci
referred to as a guide for detecto
not mount detectors in areas clos
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

Siemens Industry, Inc. — Building Technologies Div.
8 Fernwood Road • Florham Park, NJ 07932
Tel: (973) 593-2600 • Fax: (908) 547-6877
Web: www.USA.Siemens.com/Cerberus-PRO

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

ADB-BOX

Retrofit Adapter Box for Audible Bases

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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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Siemens Building Technologies
Fire Safety

Fire Safety
8 Fernwood Road
Florham Park, NJ 07932
Tel: (973) 593-2600
FAX: (973) 593-6670
Website: www.sbt.siemens.com/fis

4/03
5M
SFS-IG
Printed in U.S.A.

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

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