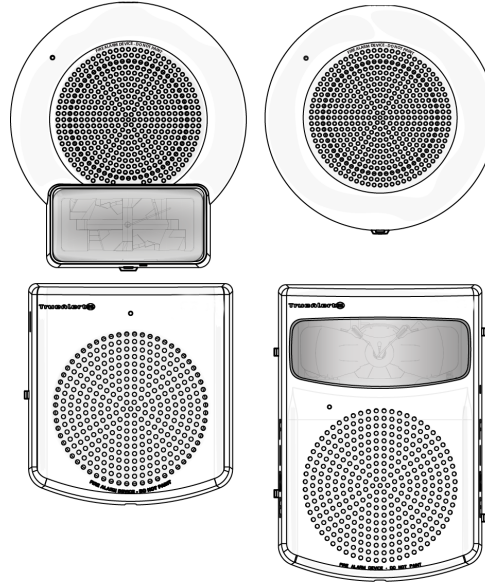## Introduction

**Addressable speakers and speaker visible appliances** are individually addressed and individually controlled with power, supervision, and audio from a compatible Autocall fire alarm control panel. A combination of an IDNAC Signaling Line Circuit (SLC) and a compatible audio (speaker) circuit are required for these appliances.



**Figure 1: Ceiling and Wall Mount Addressable Speaker Only and Speaker Visible Strobes**

## Features

### General

- Separate appliances, covers, back boxes, and wire guards provide complete flexibility for meeting customers installation requirements
- TrueAlert device reports provide important appliance information details including point ID, custom label, type, and candela setting
- Rugged, high impact flame retardant thermoplastic housings
- Covers can be easily removed without disturbing the connected housing
- Terminals for wiring sizes 18 AWG to 12 AWG
- Appliance LED can be selected to display during each polling cycle indicating appliance supervision
- Magnet test diagnostics to assist checkout and testing of appliances
- Compatible with ADA requirements

### IDNAC Signalling Line Circuit (SLC)

- Advanced addressable notification controlled by IDNAC SLCs provides regulated 29VDC for low current operation even during battery backup conditions
- Wiring supervision is electronically monitored and allows IDNAC SLC wiring to be "T-tapped" for Class B wiring, providing flexibility in reducing wiring sizes and or distance, and reducing costs for wiring installation
- Strobe intensity can be selected within programming from the fire alarm control panel

### Audio (speaker)

- Wiring supervision is electronically monitored and allows audio (speaker) wiring to be "T-tapped" for Class B wiring, providing flexibility in reducing wiring sizes and or distance, and reducing costs for wiring installation
- Speaker taps can be selected within programming from the fire alarm control panel
- High quality voice and tone reproduction with taps for ¼, ½, 1, or 2 watts at 25 or 70.7 VRMS
- Audio (speaker) circuits are wired separately from IDNAC SLCs
- High Fidelity models (200 to 10,000 Hz) are also available
- Compliant with NFPA 72, 520 Hz Low Frequency Signal Requirements for Sleeping Areas
- Listed to UL1480 and ULC S541\*
- UL 1480 Reverberant dBA measurements (10 feet)
- ULC-S541 Anechoic dBA measurements (3 meters)

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*\* Additional listings may be applicable; contact your local product supplier for the latest status.*

## Strobe Application Reference

Proper selection of visible notification is dependent on occupancy, location, local codes, and proper applications of: the *National Fire Alarm and Signaling Code* (NFPA 72), ANSI A117.1; the appropriate model building code: BOCA, ICBO, or SBCCI; and the application guidelines of the Americans with Disabilities Act (ADA).

## TrueAlert Addressable Wiring Isolator

**Isolator Model A4905-9929** is available for remote mounting on TrueAlert addressable circuits to isolate short circuited wiring from functioning wiring. Refer to data sheet AC4905-0001 for additional information.

## TrueAlert ES Diagnostics

- When a controller is selected for diagnostics mode, an appliance magnet test feature can be used to perform a local test of the appliance. In silent mode, the appliance LED pulses sequentially to indicate the appliances address when the magnet is applied. In operational mode, the strobe will briefly flash after the address is indicated.
- The TrueStart Instrument (TSIT) can be used to test wiring and appliances before connection to the control panel, providing the installer with a means to ensure wiring and appliance installation is complete before control panel installation. This tool also tests, IDCs, NACs, and IDNet communications circuits

**Self-Test**

- Selecting Self-Test mode from a compatible control panel allows sensors in the appliances, depending on the device type, to detect its own audio and visible output, reporting that status to the control panel. Operation is selected by VNAC groups and can be selected as automatic (all briefly simultaneously activated) or individually activated by applying a magnet. Tests can be scheduled to occur during off-times facility operation to limit impact during working hours, and testing reports can be generated as needed

## Wall Mount Appliance Product Selection

**Table 1: Wall Mount S/O Appliances\* (Refer to data sheet AC49SOW-0001 for full product selection including covers and mounting plates)**

| SKU | Description | Data Sheet Reference |
|---|---|---|
| A49SO-APPLW<br><br>A49SO-APPLW-BA | S/O appliance only | AC49SOW-0001 |
| A49HF-APPLW<br><br>A49HF-APPLW-BA | High fidelity S/O appliance only | |
| A49SO-APPLW-O<br><br>A49SO-APPLW-O-BA | Weatherproof S/O Appliance only | |

**Table 2: Wall Mount S/V Appliances\* (Refer to data sheet AC49SVW-0001 for full product selection including covers, mounting plates, and multi-color strobe lens)**

| SKU Series | Description | Data Sheet Reference |
|---|---|---|
| A49SV-APPLW<br><br>A49SV-APPLW-BA | S/V appliance only | AC49SVW-0001 |
| A49HFV-APPLW<br><br>A49HFV-APPLW-BA | High fidelity S/V appliance only | |
| A49SV-APPLW-O<br><br>A49SV-APPLW-O-BA<br><br>A49SV-APPLW-CO | Weatherproof S/V Appliance only | |

## Ceiling Mount Appliance Product Selection

**Table 3: Ceiling Mount S/O Appliances (Refer to data sheet AC49SOC-0001 for full product selection and installation requirements)**

| SKU | Description | Data Sheet Reference |
|---|---|---|
| A49SO-APPLC<br><br>A49SO-APPLC-BA | S/O appliance only | AC49SOC-0001 |
| A49HF-APPLC<br><br>A49HF-APPLC-BA | High fidelity S/O appliance only | |
| A49SO-APPLC-O<br><br>A49SO-APPLC-O-BA | Weatherproof High Fidelity S/O Appliance Only | |

**Table 4: Ceiling Mount S/V Appliances (Refer to data sheet AC49SVC-0001 for full product selection and installation requirements)**

| SKU | Description | Data Sheet Reference |
|---|---|---|
| A49SV-APPLC<br><br>A49SV-APPLC-BA | S/V appliance only | AC49SVC-0001 |
| A49HFV-APPLC<br><br>A49HFV-APPLC-BA | High fidelity S/V appliance only | |
| A49SVH-APPLC<br><br>A49SVH-APPLC-BA | High candela S/V appliance only | |
| A49HFVH-APPLC<br><br>A49HFVH-APPLC-BA | Clear lens high fidelity high candela S/V appliance only | |
| A49HFVH-APLCA-BA | Amber lens high fidelity high candela S/V appliance only | |
| A49HFVH-APLCB-BA | Blue lens high fidelity high candela S/V appliance only | |
| A49SVH-APPLC-O | Weatherproof S/V Appliance Only | |