Simplex

*UL, ULC Listed; FM Approved**

Datasheet

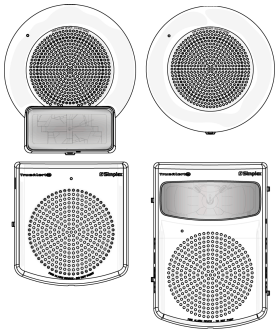
TrueAlert Addressable Notification Appliances

Wall and Ceiling Mount Addressable Speaker and Speaker Visible Notification Appliances

Introduction

Addressable speakers and speaker visible appliances are individually addressed and individually controlled with power, supervision, and audio from a compatible Simplex fire alarm control unit (FACU). 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 the Americans with Disabilities Act (ADA) requirements

IDNAC Signalling Line Circuit (SLC)

- Advanced addressable notification controlled by IDNAC SLCs provides regulated 29 VDC 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 FACU

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
- High quality voice and tone reproduction with taps for ¼ W, ½ W, 1 W, or 2 W at 25 VRMS or 70.7 VRMS
- Audio (speaker) circuits are wired separately from IDNAC SLCs
- High fidelity models (200 Hz to 10,000 Hz) are also available
- Compliant with NFPA 72, 520 Hz Low frequency signal requirements for sleeping areas
- Listed to UL 1480 and ULC S541*
- UL 1480 Reverberant dBA measurements (10 ft or 3 m)
- ULC S541 Anechoic dBA measurements (10 ft or 3 m)

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 ADA application guidelines.

TrueAlert addressable wiring isolator

Isolator Model 4905-9929 is available for remote mounting on TrueAlert addressable circuits to isolate short circuited wiring from functioning wiring. Refer to data sheet S4905-0001 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 flashes briefly after the address is indicated.
- The TrueStart Instrument (TSIT) can be used to test wiring and appliances before connection to the control unit, providing the installer with a means to ensure wiring and appliance installation is complete before control unit installation. This tool also tests, IDCs, NACs, and IDNet communications circuits.

Self-Test

- Selecting Self-Test mode from a compatible control unit allows sensors in the appliances, depending on the device type, to detect its own audio and visible output, reporting that status to the control unit. 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.

*Additional listings may be applicable, contact your local Simplex ® product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co.

Wall mount appliance product selection

Table 1: Wall mount S/O appliances*. Refer to data sheet S49SOW-0001 for full product selection including covers and mounting plates.

Model	Description	Data sheet reference
49SO-APPLW 49SO-APPLW-BA	S/O appliance only	S49SOW-0001
49HF-APPLW 49HF-APPLW-BA	High fidelity S/O appliance only	
49SO-APPLW-O 49SO-APPLW-O-BA	Weatherproof S/O appliance only	

Table 2: Wall mount S/V appliances*. Refer to data sheet S49SVW-0001 for full product selection including covers, mounting plates, and multi-color strobe lens.

SKU Series	Description	Data sheet reference
49SV-APPLW 49SV-APPLW-BA	S/V appliance only	S49SVW-0001
49HFV-APPLW 49HFV-APPLW-BA	High fidelity S/V appliance only	
49SV-APPLW-O 49SV-APPLW-O-BA 49SV-APPLW-CO	Weatherproof S/V appliance only	

Ceiling mount appliance product selection

Table 3: Ceiling mount S/O appliances. Refer to data sheet S49SOC-0001 for full product selection and installation requirements.

Model	Description	Data sheet reference
49SO-APPLC 49SO-APPLC-BA	S/O appliance only	S49SOC-0001
49HF-APPLC 49HF-APPLC-BA	High fidelity S/O appliance only	
49SO-APPLC-O 49SO-APPLC-O-BA	Weatherproof high fidelity S/O appliance only	

Table 4: Ceiling mount S/V appliances. Refer to data sheet S49SVC-0001 for full product selection and installation requirements.

Model	Description	Data sheet reference
49SV-APPLC 49SV-APPLC-BA	S/V appliance only	S49SVC-0001
49HFV-APPLC 49HFV-APPLC-BA	High fidelity S/V appliance only	
49SVH-APPLC 49SVH-APPLC-BA	High candela S/V appliance only	
49HFVH-APPLC 49HFVH-APPLC-BA	Clear lens high fidelity high candela S/V appliance only	
49HFVH-APLCA-BA	Amber lens high fidelity high candela S/V appliance only	
49SVH-APPLC-O 49SVH-APPLC-CO (Canada only)	Weatherproof S/V appliance only	

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