

UL, ULC Listed; FM Approved*



Wall Mount Addressable Speaker Visible (S/V) Notification Appliances

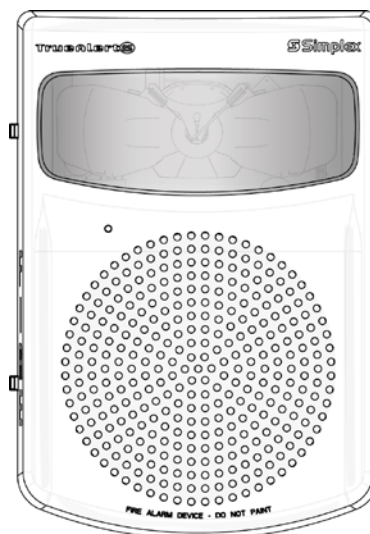
Wall mount Addressable Speaker Visible (S/V) Notification Appliances are individually powered, addressed, and controlled from a Simplex fire alarm control panel IDNAC Signaling Line Circuit (SLC). S/V notification appliances use a multi-tapped speaker for audio/tone notification and a multi-candela strobe with synchronized 1 Hz flash rate and selectable candela rating.

Wiring supervision is electronically monitored and allows audio wiring to be T-tapped for class B wiring, reducing wiring costs and wiring distances.

Wall mount S/V appliances are available in a 400-4000 Hz model and high fidelity (H/F) model capable of operating between 200-10000 Hz.

Separate appliance and cover selection greatly simplifies the ordering and installation process. A colored lens kit is available to customize the light output.

For more detailed information, please consult datasheet S49SWC-0001.



Wall Mount Addressable Speaker/Visible Notification Appliance

Product Selection

TrueAlert ES Wall Mount Addressable Speaker S/V Appliances

TrueAlert ES Addressable S/V appliances dimensions with cover: 7 3/8" H x 5" W x 1 3/4" D (139 mm x 128 mm x 42 mm)

Model*	Description
49SV-APPLW(-BA)	Appliance only. Select cover and mounting plate separately.

High Fidelity H/F Appliances

Model*	Description
49HFV-APPLW(-BA)	Appliance only. Select cover and mounting plate separately.

S/V Covers (Required when ordering APPLW models)

Model	Color	Wording	Model	Color	Wording
49SVC-WRALT	Red	ALERT	49SVC-WWALT	White	ALERT
49SVC-WRBA		قويرح/FIRE	49SVC-WWBA		قويرح/FIRE
49SVC-WRBC		火警/FIRE ALARM	49SVC-WWBC		火警/FIRE ALARM
49SVC-WRBF		FEU/FIRE	49SVC-WWBF		FEU/FIRE
49SVC-WRFEU		FEU	49SVC-WWFEU		FEU
49SVC-WRFIRE		FIRE	49SVC-WWFIRE		FIRE
49SVC-WRS		Simplex logo only	49SVC-WWS		Simplex logo only

S/V Wall Lens

Lens	Color	Lens	Color
49SV-LENS-AMBER	Amber	49SV-LENS-GREEN	Green
49SV-LENS-BLUE	Blue	49SV-LENS-RED	Red

S/V Wall Mount Back Plate

Model	Description
49MP-SVWR	Mounting back plate in red
49MP-SVWW	Mounting back plate in white

* Note: (-BA) indicates model is available either with or without the -BA suffix. Model numbers ending in -BA are assembled in the USA

IDNAC SLC Controller Compatibility Reference

Compatible Controllers	Data Sheet Reference	Controller Output	IDNAC SLC Output Voltage	Appliance Voltage Design Reference
4100ES with EPS+ or EPS Power Supply	S4100-0100	IDNAC SLC	29 VDC (regulated)	23 VDC (with 6 VDC drop)
4009 IDNAC Repeater	S4009-0004			
4100ES Flex 35, 50, and 100 Amplifiers	S4100-0034			
4100ES Constant Supervision and Signal Cards				

* Additional listings may be applicable; contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Fire Protection Products.

Wall Mount S/V Specifications

Appliance Specifications (see page 1 for appliance dimensions)

Environmental	32° to 120° F (0° to 49° C); 10% to 93%, non-condensing at 104° F (40° C)
Connections	Terminal blocks for 18 AWG to 12 AWG (0.82 mm ² to 3.31 mm ²); two wires per terminal for in/out wiring. Use Unshielded Twisted Pair (UTP) for IDNAC and audio wiring.
IDNAC SLC Loading	Maximum of 127 addresses per SLC, 139 unit loads. See device and compatible Fire Panel Installation Instructions for circuit current load limits.
Installation Instructions	579-1190 (Wall Mount S/V Appliance), 579-1193 (Wall Mount back plate), 579-1192 (Wall Mount S/V Colored Lens kit)

Speaker General Specifications

Input Voltage	25 or 70.7 Vrms
Power Taps	¼, ½, 1, and 2 W
Frequency Response	400 to 4000 Hz (S/V), 200 to 10000 Hz (H/F) General Signaling = 125 Hz to 12 kHz

S/V Speaker Output Ratings 25 or 70.7 Vrms @ 10 ft (3 m)

	Wattage Tap		¼ W		½ W		1 W		2 W	
	Model		S/V	H/F	S/V	H/F	S/V	H/F	S/V	H/F
Reverberant Chamber Test, per UL 1480 (dBA)			79	76	83	80	86*	82	89*	86*
Anechoic Chamber Test, per ULC-S541 (dBA)			81	78	84	81	88*	84	90*	87*

* **Note:** Select taps as indicated to satisfy the ULC fire alarm applications requirement of 85 dBA minimum

Polar Dispersion Reference (per ULC-S541 Anechoic Chamber Testing)	Attenuation		Angle	
	-3 dB		75°	
		-6 dB		85°

Percentage of rated light output at room temperature

Angle	On-Axis	Vertical, Below Axis		Horizontal, Left/Right of Axis	
	0°	45°	90°	45°	90°
UL required output	100%	34%	12%	75%	25%
Typical output	194%	90%	45%	121%	41%

Appliance Specifications

Typical Operating Voltage Range	23 - 30 VDC, Special Application
Supervisory Requirements	1 unit load (= 0.8 mA control panel current)
Flash Rate and Synchronized SLC Loading	1 Hz; with up to 63 synchronized strobes maximum per NAC

Current consumption**	Candela Setting	15 cd	30 cd	75 cd	110 cd	135 cd	185 cd
	Clear/White lens	47 mA	57 mA	100 mA	132 mA	160 mA	208 mA
	Tinted Lens	54 mA	78 mA	128 mA	184 mA	211 mA	N/A

** Measured at 23 VDC on IDNAC Addressable SLC

Note: Speakers are for connection to compatible fire alarm audio circuits. Anechoic ratings are representative of actual installed sound output.

Wall Mount S/V Installation Reference

Magnet test location

Candela Setting
Set flag to FACP to control candela rating from an FACP providing IDNAC notification. To set candela manually, move flag to the desired candela

Address Dip Switch
Set unique address for appliance via an eight-position DIP switch on rear of appliance

Appliance and cover can be removed from backplate using slotted or philips head screwdriver

Appliance (rear)

Set audio circuit voltage and power tap selection here

Wiring terminals for speaker and strobe connections accept 2 #12-18 AWG wires

Mount to 4" X 4" X 2-1/8" electrical box using 8-32 screws

49MP-SV Wall Mount Back Plate

WALL MOUNT HEIGHT REFERENCE

Bottom of lens is even with or slightly above bottom of compatible boxes

4" x 4" electrical box (minimum 2-1/8" deep)

NFPA 72 requires that the entire lens be not less than 80" and not greater than 96" above the finished floor.

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