

Introduction

Wall mount indoor and outdoor Addressable Speaker Visible

(S/V) Notification Appliances are individually powered, addressed, and controlled using a Simplex® fire alarm control panel IDNAC Signaling Line Circuit (SLC). Audio is supplied using a separate compatible Simplex Fire Alarm Control Panel audio NAC. Wiring supervision is electronically monitored so that audio and IDNAC wiring can be T-tapped for Class B wiring, reducing costs and wiring distances. Install on standard 4 in. square 2 1/8 in. deep electrical boxes for flush installations, or surface/weatherproof (WP) backboxes for surface or WP installations.

Order the appliance and cover separately.

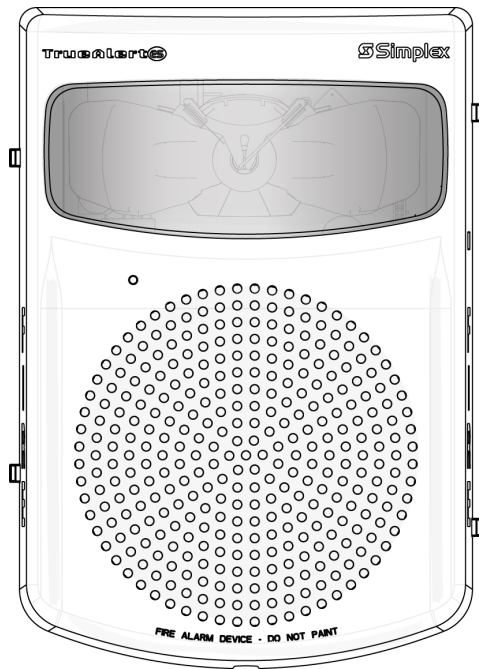


Figure 1: Wall Mount Addressable Speaker/Visible Notification Appliance

Table 2: S/V covers (required when ordering APPLW models)

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

Product selection

Table 1: TrueAlert ES Wall Mount Addressable Speaker S/V Appliances

SKU**	Description	Installation instructions
49SV-APPLW-CO	Select cover, mounting plate, and surface/WP box.	579-1245

*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 S/V installation reference

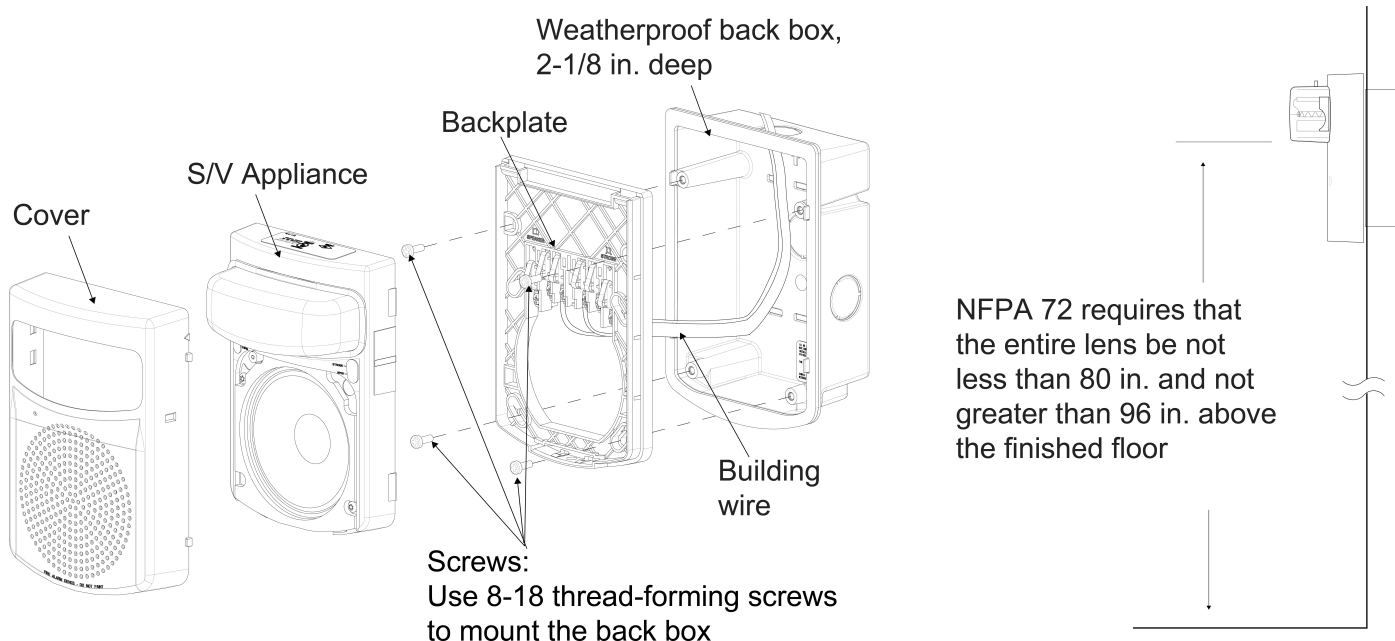


Figure 2: Installation reference

Weatherproof product selection

Table 3: Surface/WP Back Boxes

Model	Color	Description	Installation instructions
49WPBB-SVWR	Red	Surface/WP back box in red.	579-1239
49WPBB-SVWW	White	Surface/WP back box in white.	

Table 4: Wire guards and wire guard back boxes

Model	Description
49WGBB-SVWR-O	Wire Guard Back Box, wall, red, WP.
49WGBB-SVCR-O	Wire Guard Back Box, ceiling, red, WP.
49WG-SVWCR	Wire Guard, wall, red.

Table 5: S/V wall mount back plate

Model	Description	Installation instructions
49MP-SVWR	Mounting back plate in red.	579-1193
49MP-SVWW	Mounting back plate in white.	

Weatherproof wall mount S/V specifications

Table 6: Environmental specifications

Specification	Rating
Rated DC control/strobe voltage range	Special application 23 VDC - 30 VDC
ULC temperature rating	Outdoor private: -40 °F to 151 °F (-40 °C to 66 °C)
FM temperature rating	-40 °F to 120 °F (-40 °C to 49 °C)
ULC humidity range	95 %, non-condensing at 140 °F (60 °C)
Connections	Terminal for 18 AWG to 12 AWG (0.82 mm ² to 3.31 mm ²)

CAUTION

The appliance enclosures are available in red and white. Do not paint or otherwise alter the factory finishes in any way.

Table 7: TrueAlert Addressable Wall Mount S/V - speaker jumper setting and output ratings (25 V or 70 V audio)

Voltage	Jumper J1 to Tap	Tap setting in Watts	ULC-S541 anechoic at 3 m
Speaker Visible	A/E	1/4	79
	B/F	1/2	83
	C/G	1	86*
	D/H	2	89*

Note:

- Anechoic dBA measurements are a minimum ULC rating based on sound pressure level measurements made in ULC's anechoic test chamber.
- The sound pressure level decreases by 3 dB at an angular displacement of 25° from the line perpendicular to the speaker's center. The SPL decreases by 6 dB at an angle of 35° from that line.

No * The marked settings only can be used for ULC fire alarm applications.
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Table 8: Percent of rated light output (Public mode - room temperature)

Vertical dispersion			Horizontal dispersion		
Y-PlaneAngle	UL ReqOutput	TypicalOutput	X-PlaneAngle	UL ReqOutput	TypicalOutput
0	100 %	194 %	0	100 %	194 %
5	90 %	192 %	±5	90 %	203 %
10	90 %	132 %	±10	90 %	168 %
15	90 %	129 %	±15	90 %	155 %
20	90 %	145 %	±20	90 %	166 %
25	90 %	150 %	±25	90 %	169 %
30	90 %	112 %	±30	75 %	164 %
35	65 %	124 %	±35	75 %	151 %
40	46 %	114 %	±40	75 %	145 %
45	34 %	90 %	±45	75 %	121 %
50	27 %	91 %	±50	55 %	97 %
55	22 %	78 %	±55	45 %	83 %
60	18 %	72 %	±60	40 %	79 %
65	16 %	68 %	±65	35 %	70 %
70	15 %	75 %	±70	35 %	59 %
75	13 %	74 %	±75	30 %	50 %
80	12 %	68 %	±80	30 %	51 %
85	12 %	63 %	±85	25 %	45 %
90	12 %	45 %	±90	25 %	41 %

Table 9: Maximum RMS operating current

Candela selection	Appliance type	23V*
(CD4) 5 cd	S/V	73 mA
(CD3) 15 cd	S/V	81 mA
(CD2) 30 cd	S/V	141 mA
(CD1) 45 cd	S/V	187 mA
(CD6) 60 cd	S/V	230 mA
(CD7) 75 cd	S/V	298 mA

* For connection to IDNAC SLCs

Equipment compatibility references

Table 10: Equipment compatibility references

Compatible controllers	Data sheet reference
4100ES with EPS+ or EPS Power Supply	S4100-0100
4009 IDNAC Repeater	S4009-0004
4100ES Flex 35 and 50 Watt Amplifiers	S4100-0034
4100ES 100 Watt Amplifiers	
4100ES Constant Supervision and Audio NACs	

