

UL,ULC Listed; FM Approved*

TrueAlert Addressable Notification Appliances

Table 3: S/O covers (Required when ordering APPI W models)

Wall Mount Addressable Speaker (S/O) Notification Appliances

Introduction

Wall Mount Indoor and Outdoor Addressable Speaker (S/O)

Notification Appliances are individually powered, addressed, and controlled from a Simplex fire alarm control unit IDNAC Signaling Line Circuit (SLC). Audio is supplied from a separate compatible Simplex Fire Alarm Control Unit audio NAC. Wiring supervision is electronically monitored allowing audio and IDNAC wiring to be T-tapped for Class B wiring, reducing wiring costs and wiring distances.

Installation on standard 4 inch square 2 1/8 inch deep USA electrical boxes for flush installations (provided by others) or surface/WP backboxes (order below) for surface or WP installations.

Appliances are available in 400 Hz to 4000 Hz and 200 Hz to 10000 Hz high fidelity models. Separate appliance and cover selection greatly simplifies the ordering and installation process. Model numbers ending in –BA are assembled in the USA. For more detailed information, please consult datasheet *S49SWC-0001*.

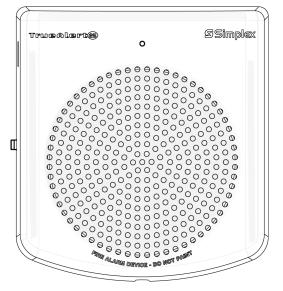


Figure 1: Wall mount addressable speaker notification appliance

Wall mount addressable speaker product selection

Table 1: Wall mount addressable speaker S/O appliances

Model	lodel Description			
49SO-APPLW 49SO-APPLW-BA	S/O appliance only. Select cover, mounting plate, and surface/WP box (if required) separately.	nd		
	Table 2: High fidelity appliance	25		
Model	Description	Installation instructions		
49HF-APPI W	High fidelity S/O appliance	579-1190		

		instructions
49HF-APPLW	High fidelity S/O appliance	579-1190
	only. Select cover, mounting plate, and surface/WP box (if required) separately.	

Model	Color	Wording
49SOC-WRBLANK	Red	No lettering
49SOC-WWBLANK	White	
49SOC-WRBA	Red	FIRE/حريق
49SOC-WWBA	White	
49SOC-WRBC	Red	火警/FIRE ALARM
49SOC-WWBC	White	
49SOC-WRBF	Red	FEU/FIRE
49SOC-WWBF	White	
49SOC-WRFEU	Red	FEU
49SOC-WWFEU	White	
49SOC-WRFIRE	Red	FIRE
49SOC-WWFIRE	White	
49SOC-WRS	Red	Logo only
49SOC-WWS	White	
49SOC-WRALT	Red	ALERT
49SOC-WWALT	White	

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

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Model	Description	Installation instructions			
49SO-APPLW-O	S/O appliance only. Select cover, mounti	S/O appliance only. Select cover, mounting plate and surface/WP 579-1237			
49SO-APPLW-O-BA	back box separately.				
	Table 5: S/O covers (Required when or	dering APPLW-O models)			
Model	Color	Wording			
49SOC-WRBLANK-O	Red	No lettering			
49SOC-WWBLANK-O	White				
49SOC-WRBA-O	Red	FIRE/حريق			
49SOC-WWBA-O	White				
49SOC-WRBC-O	Red	火警/FIRE ALARM			
49SOC-WWBC-O	White				
49SOC-WRBF-O	Red	FEU/FIRE			
49SOC-WWBF-O	White				
49SOC-WRFEU-O	Red	FEU			
49SOC-WWFEU-O	White				
49SOC-WRFIRE-O	Red	FIRE			
49SOC-WWFIRE-O	White				
49SOC-WRS-O	Red	Logo only			
49SOC-WWS-O	White				
49SOC-WRALT-O	Red	ALERT			
49SOC-WWALT-O	White				
	Table 6: S/O wall mount plate (non-weath	erproof and weatherproof)			
Model	Description	Installation instructions			

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

Table 7: Surface/WP back boxes						
Model Color Description Installation instructions						
49WPBB-SOWR	Red	Surface/WP back box in red.	579-1239			
49WPBB-SOWW	White	Surface/WP back box in white.				

Table 8: Wire guard back box and wire guard			
Model	Description		
49WGBB-SOWR-O	Wire guard back box, wall, red, WP		
49WG-SOWR	Wire guard, wall, red		

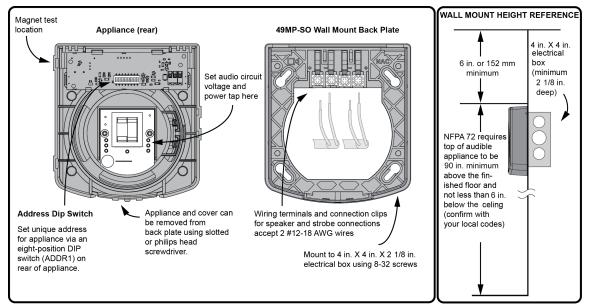
Wall mount speaker specifications

	Table 9: Appl	iance gen	eral specif	ications						
Specification	Rating									
Dimensions	5 1/2 in. H x 5 i	n. W x 1 ´	1/2 in. D oi	r 139 mm :	x 128 mm	x 38 mm				
Environmental	32°F to 120°F c					0				
Connections	Terminal blocks in/out wiring. U								terminal for	
L	Table 10: Sp	eaker au	dio specific	ations						
Specification	Rating									
Input voltage	25 VRMS or 70	7 VRMS								
Power taps	1/4 W, 1/2 W, 1	W, and 2	W							
Frequency response	400 Hz to 4000	Hz (S/O)	, 200 Hz to	o 10000 Hz	z (H/F) (General sig	naling = 1	25 kHz to	12 kHz	
Tab	e 11: Speaker output ra	atings 25	Vrms or 70	.7 Vrms @	10 ft or 3 n	n				
Wattage tap		1/4 W		1/2 W		1 W		2 W	2 W	
Model		S/O	H/F	S/O	H/F	S/O	H/F	S/O	H/F	
Reverberant Chamber Test, per UL 1480 (dBA)	79	76	83	80	87	83	90	86	
Anechoic Chamber Test, per ULC-S541 (dBA)		80	76	84	79	88	82	91	85	
Table 12	Polar dispersion refere	ence (per	ULC-S541 A	Anechoic Cl	namber Te	sting)				
Attenuation Angle		Attenuation Angle								
-3 dB 70°		-6	dB			80°	80°			
	Table 13: I	DNAC SL	Specificat	tions						
Specification		Rating	5							
Typical operating voltage range		23 VDC to 30 VDC, special application								
Appliance voltage design reference		23 VDC (with 6 VDC drop)								
Current consumption @ 23 VDC on IDNAC	addressable SLC									
Supervisory requirements			1 unit load (= 0.8 mA control unit current)							
IDNAC SLC loading		Maximum of 127 addresses for each SLC, 139 unit loads. See device and compatible Fire Alarm Control Unit Installation Instructions for circuit current load limits.					Fire Alarm			
IDNAC SLC wiring specifications (refer to the	ne UTP, unshielde	ielded twisted pair recommended								
control unit installation instructions for more		Maximum wire length allowed with T-Taps for Class B wiring for each SLC = 10,000 ft or 3048 m								
information)		Maximum wire length to any appliance = 4000 ft or 1219 m. This can be doubled to 8000 ft or 2438 m by using a 4009 IDNAC Repeater.								

Equipment compatibility reference

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

Wall mount S/O installation reference





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