

Features

Audible/visible notification appliances with multi-tapped speaker and high intensity xenon strobe

Xenon strobe visible notification appliance:

- UL listed to Standard 1971
- Models are available with 15, 30, or 110 candela
- 24 VDC operation with switch selection for free-run or synchronized flash rate, compatible with SmartSync™ strobe operation
- Compatible with ADA requirements (refer to important installation information on page 3)
- Strobe candela rating is clearly indicated on reflector
- Wiring terminals are separate from audible notification appliance
- Impact resistant polycarbonate lens

Audible notification appliance (speaker):

- High quality voice and tone reproduction with taps for 1/4, 1/2, 1, or 2 W, at 25 or 70.7 VRMS
- UL listed to Standard 1480
- Speakers are wired separately from strobe wiring

Housing Options:

- Red with white "FIRE" lettering, for horizontal or vertical mounting
- White with red "FIRE" lettering, for horizontal mounting

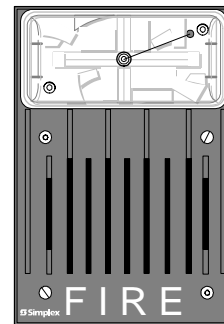
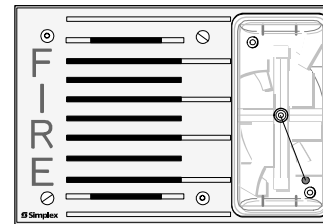
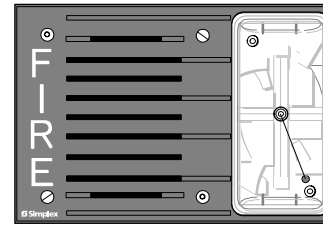
Description

Speaker/visible (S/V) notification appliances combine a multi-tapped speaker and a high intensity strobe to provide audio/tone notification and visible notification from the same appliance.

Speakers and strobes are wired separately. The speaker is multi-tapped with taps available for either 25 VRMS or 70.7 VRMS and the strobe is selectable for either free-run or synchronized operation.

Strobe Selection. Proper selection of visible notification is dependent on occupancy, location, local codes, and proper applications of: the *National Fire Alarm 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).

* These products were not ULC listed or approved by FM, MEA (NYC), or CSFM as of document revision date. Additional listings may be applicable, contact Simplex for the latest status.



Audible/Visible Notification Appliances with Electronic Horns are Available for Horizontal or Vertical Mounting

Strobe Synchronization

The strobes of these S/V notification appliances can be set for free-run operation or synchronized operation using an on-board selection switch. When selected for *synchronized operation*, flash operation is controlled from:

Synchronized Flash Modules**, model 4905-9914 (Class B) or 4905-9922 (Class A).

4009 IDNet™ NAC Extender, models 4009-9201 and 4009-9301 (described on data sheet S4009-0002).

4010 Fire Alarm Control Panel with operating software Revision 2.X or higher (described on data sheet S4010-0001).

SmartSync™ Control Module 4905-9938. The strobe circuit of these S/Vs is compatible with the output signal provided by the 4905-9938 SmartSync Control Module. Refer to data sheet S4903-0010 for additional information on the 4905-9938 and the SmartSync two-wire operation mode. The speaker of the S/V is controlled from a separate NAC.

** Simplex synchronized strobes are protected under U.S. patent No. 5,559,492.

Product Selection

Model Number	Strobe Output (Candela)			Mounting Style	Color
	15	30	110		
4903-9150	✓			Horizontal wall mount	Red
4903-9148		✓			
4903-9149			✓		
4903-9150H*	✓			Horizontal wall mount for high humidity areas*	
4903-9193	✓			Horizontal wall mount	White
4903-9194		✓			
4903-9195			✓		
4903-9153	✓			Vertical wall mount (typically for retrofit)	Red

* Intended for use in indoor areas where humidity is normally high, such as swimming pool rooms, locker rooms, etc. Requires the 4905-9907 gasket kit.

Accessories

General Purpose Adapter Plates and Mounting Plates

Model	Description	Dimensions
4905-9903	Red Adapter Plate, required to mount A/V on 2975-9145 Boxes	5 3/4" x 8 5/16" (146 mm x 211 mm)
4905-9939	Adapter Plate, zinc plated, required to mount A/V surface mount on three gang surface mount Wiremold® box no. V5744-3 (or equal), or on double gang boxes (typically for retrofit applications)	7" x 4 7/8" (178 mm x 124 mm)
4905-9907	High Humidity Gasket Kit, required for use with 4903-9150H	Sized to fit housing
4905-9915	White Adapter Ring Box Extension	4 3/4" x 6 7/8" x 1 1/2" D (121 mm x 175 mm x 38 mm)
4905-9916	Red Adapter Ring Box Extension	

Mounting Boxes

Model	Description	Dimensions
4905-9923	Red Surface Mount Box	4 5/16" x 6 5/8" x 2 3/4" D (110 mm x 168 x 70 mm)
4905-9924	White Surface Mount Box	
2975-9145	Red Box for vertical or horizontal mount, requires adapter plate 4905-9903 (this box may be available for retrofit applications)	5 1/8" x 7 7/8" x 2 3/4" deep (130 mm x 200 mm x 70 mm)

Synchronized Flash Modules and Wire Guard

Model	Description	Dimensions
4905-9914	Synchronized Flash Module, Class B/Style Y operation	1 3/8" x 2 7/16" x 13/16" (35 mm x 62 mm x 20 mm)
4905-9922	Synchronized Flash Module, Class A/Style Z operation	
4905-9938	SmartSync Control Module, Class A/B, required when up to 8 NACs require strobe synchronization	4" x 4 1/8" x 1 1/4" D (102 mm x 105 mm x 32 mm)
4905-9927	Wire Guard for semi-flush mounting, red, requires 4905-9928 mounting plate for use with 4905-9923, 4905-9924, or 2975-9145 boxes*	8 1/2" x 6 1/8" x 3" (216 mm x 156 mm x 76 mm)
4905-9928	Red Adapter Plate, required to mount wire guard to 4905-9923, 4905-9924, or 2975-9145 boxes**	9" x 7" (229 mm x 178 mm)

* Reference Space Age model SWG-AV, UL listing in process as of document revision date.

** Reference Space Age model SWG-PK, UL listing in process as of document revision date.

A/V with Speaker Specifications

Strobe Specifications

Rated Voltage Range	16 VDC to 33 VDC, see Note 1 below						
Strobe Flash Rate	1 Hz						
Synchronized Mode NAC Loading	Up to 35 synchronized strobes maximum per NAC						
		16 VDC	17 VDC	18 VDC	19 VDC	20 VDC	24 VDC
Current Rating, Nominal Average (see Note 1 below)	15 cd	90 mA	86 mA	82 mA	77 mA	73 mA	62 mA
	30 cd	137 mA	130 mA	123 mA	115 mA	108 mA	89 mA
	110 cd	308 mA	291 mA	275 mA	258 mA	241 mA	198 mA

Speaker Specifications

Input Voltage	25 or 70.7 VRMS, see Note 3 below	
Power Taps	1/4, 1/2, 1, and 2 W	
Frequency Response	Fire Alarm	400 to 4000 Hz
	General Signaling	125 to 12 kHz

Speaker Output Ratings (dBA) @ 10 ft (3 m) (see Notes 3 and 4)

	Wattage Tap	1/4 W	1/2 W	1 W	2 W
UL 1480 Reverberant Chamber Test		78	81	84	87
Anechoic Chamber, 1 kHz input, on-axis		79	82	85	88

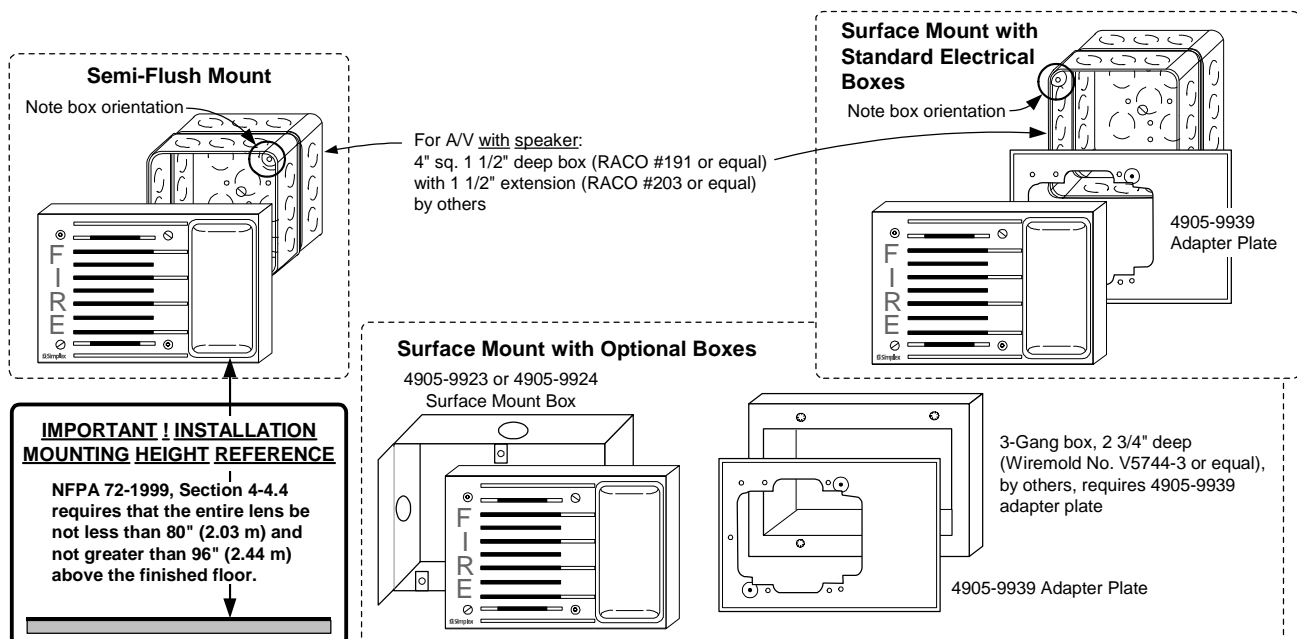
General Specifications

Housing Dimensions (including lens)	4 3/4" x 6 7/8" x 2 5/8" D (121 mm x 175 mm x 67 mm)
Depth into Box	2 7/16" (62 mm)
Speaker Tap Selection	Single jumper wire with pressure connector attaches to one of 8 terminals
Temperature Range	32° to 122° F (0° to 50° C)
Humidity Range	10% to 93%, non-condensing at 100° F (38° C)
Connections	Terminals for 18 to 12 AWG, separate terminals for speaker and strobe connections

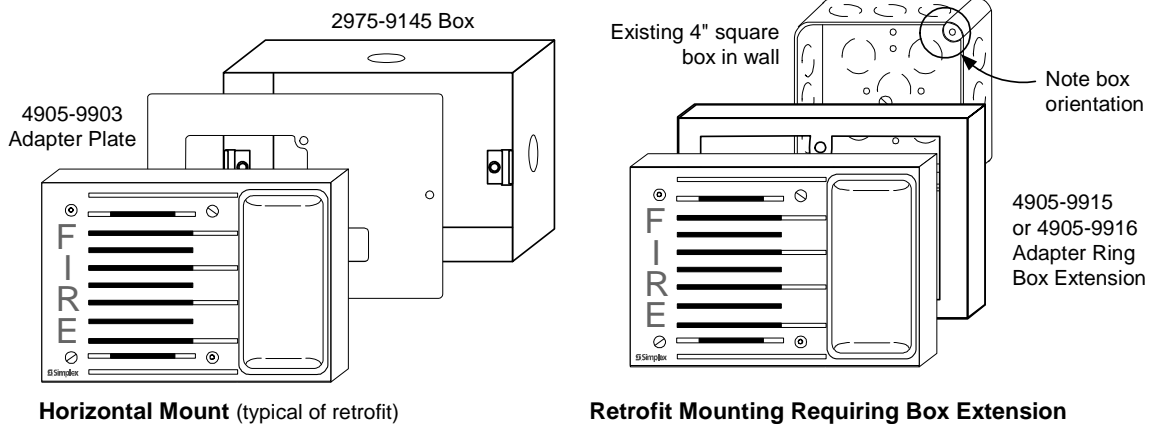
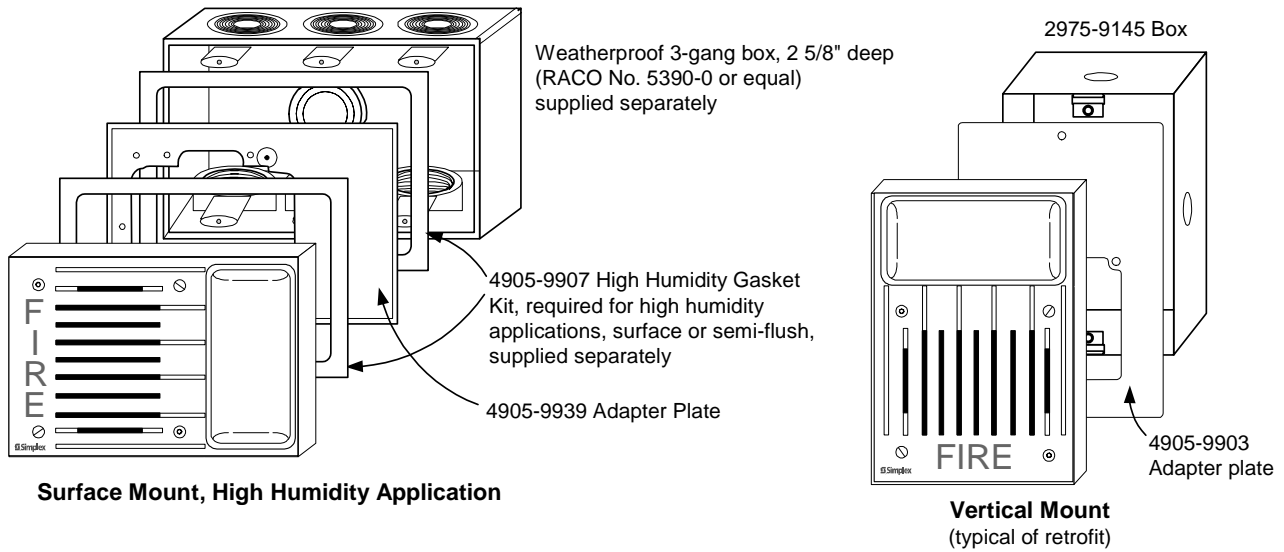
NOTES:

1. The rated voltage range listed is the absolute operating range. Operation outside of this range may cause permanent damage to the strobe. Please note that 16 VDC is the lowest operating voltage that is allowed at the last appliance on the notification appliance circuit under worst case conditions. NAC voltage drops and standby battery calculations should be made using anticipated operating conditions. Operation above 24 VDC draws less current.
2. The strobe of this S/V is field selectable for free-run or synchronized operation. Synchronized operation is compatible with SmartSync control.
3. Speakers are for connection to conventional fire alarm audio circuits.
4. UL 1480 speaker output rating categories are based upon 3 dBA increments.

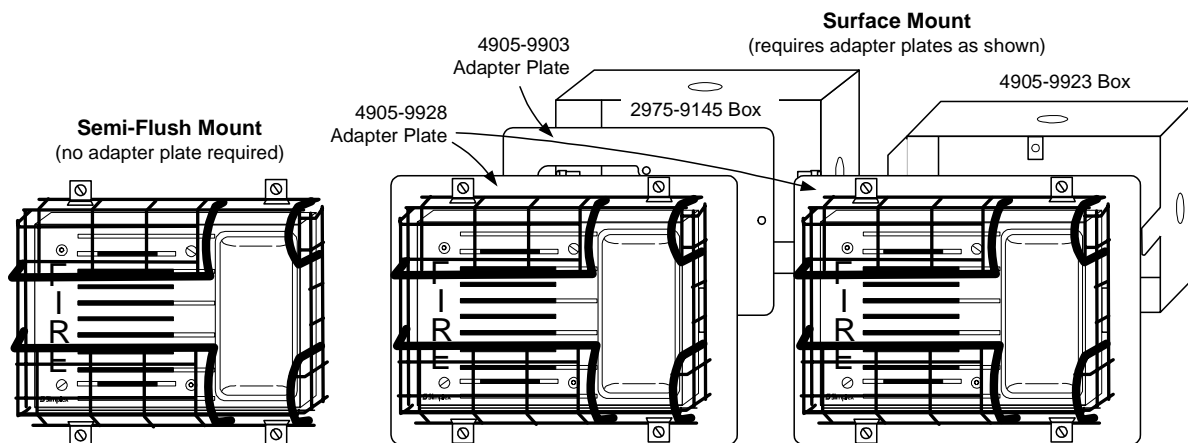
A/V with Speaker, Semi-Flush and Surface Mounting Reference



A/V with Speaker, Additional Mounting Reference



A/V with Optional 4905-9927 Guard



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