Simplex

*UL, ULC, CSFM Listed;FM Approved; MEA (NYC) Acceptance**

Datasheet

TrueAlert Addressable Notification Appliances

Multi-Candela Speaker/Visible (S/V) Appliances

Features

Individually addressed and controlled multi-candela S/V (speaker/visible) notification appliances provide:

- Multi-candela xenon strobe with synchronized 1 Hz flash rate and with intensity programmable from the control unit or jumper selected as 15 cd, 30 cd, 75 cd, or 110 cd
- Advanced addressable notification controlled by IDNAC SLCs that supply regulated 29 VDC that enable strobes to operate with lower current even under battery backup
- Wiring supervision to each strobe that enables T-tapped connections for class B circuits to simplify wiring. Class A circuits require in/out wiring.
- **TrueAlert Device Reports** at the control unit that detail appliance point ID, custom label, type, and candela setting . See .
- **Magnet test diagnostics** to assist checkout and testing of appliances and wiring
- Compatibility with ADA requirements. See Wall mount installation reference
- Compatibility with legacy TrueAlert addressable systems for upgrade and replacement. See TrueAlert strobe legacy compatibility reference
- * Strobe operation is listed to UL 1971 and ULC-S526

LED indicator and magnet test feature:

- You can select the appliance LED to display each polling cycle to indicate appliance supervision
- In diagnostic mode, the magnet test pulses the LED to indicate appliance address and pulses to indicate the intensity selection. You can also select a brief output of the strobe to confirm operation

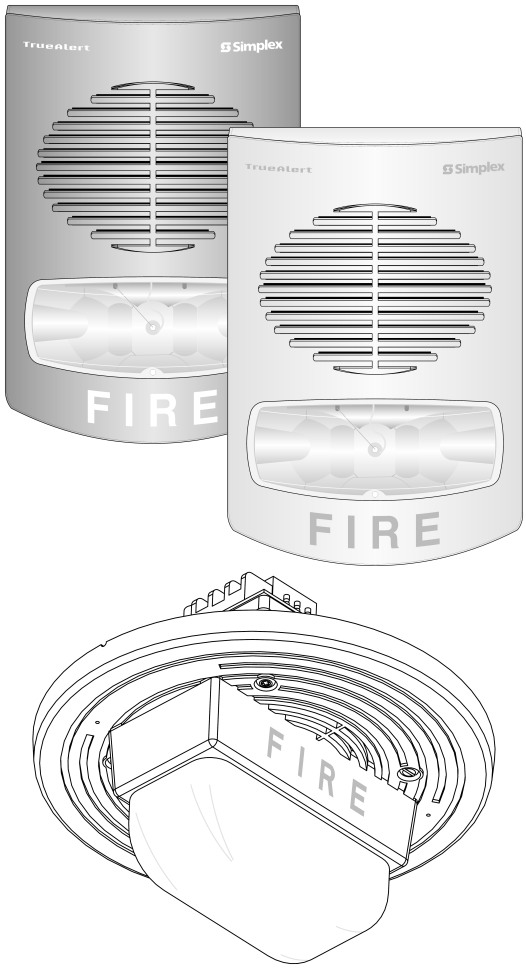
Mechanical design features:

- Rugged, high impact, flame retardant thermoplastic housings are available for wall or ceiling mount
- Wall mount housings are available in red or white
- Wall mount options include electrical box adapters, separate covers to convert color, and red wire guards
- Ceiling mount housing is white

Audible notification appliance (speaker):

- High quality voice and tone reproduction with taps for 1/4 W, 1/2 W, 1 W, or 2 W, at 25 VRMS or 70.7 VRMS
- Speakers have capacitor input for connection to DC supervised NACs and are wired separately from strobes
- * Listed to UL 1480 and ULC S541
- Compliant with NFPA 72, 520 Hz low frequency signal requirements for sleeping areas

Figure 1: Wall and ceiling mount SVs with addressable strobes



Description

Multi-candela TrueAlert S/Vs with speaker and addressable strobe

Multi-candela TrueAlert S/Vs provide convenient installation to standard electrical boxes with extensions. The strobe is individually addressed and individually controlled with power, supervision, and control supplied from Simplex fire alarm control units that provide IDNAC signaling line circuits (SLCs). See TrueAlert strobe legacy compatibility reference for additional information. Speakers are wired separately.

Strobe application reference

Correct selection of visible notification is dependent on occupancy, location, local codes, and correct applications of the following:

- The *National Fire Alarm and Signaling Code* (NFPA 72), ANSI A117.1
- The appropriate model building code: BOCA, ICBO, or SBCCI
- The application guidelines of the Americans with disabilities act (ADA).

© 2026 Johnson Controls. All rights reserved.

IDNAC SLC operation advantage

TrueAlert S/V appliances with addressable strobes on IDNAC SLCs. These provide visible notification through a single two-wire circuit that also confirms connection to the individual notification appliance's electronic circuit. This operation increases circuit supervision integrity by providing supervision that extends beyond the appliance wiring connections.

Reduced current enables efficient IDNAC SLC operation. With IDNAC SLCs, a constant 29 VDC is maintained, even during battery standby. This enables strobes to operate at higher voltage with lower current and ensures a consistent current draw and voltage drop margin under both primary power and secondary battery standby. Efficiencies include wiring distances up to 2 to 3 times farther than with conventional notification, or support for more appliances for each IDNAC SLC, or use of smaller gauge wiring, or combinations of these benefits. All give installation and maintenance savings with high assurance that appliances that operate during normal system testing operate during worst case alarm conditions.

Reduced installation and testing time. With separate controls on the same two-wire SLC, a significant reduction in installation time and expense for both retrofit and new construction is possible. When you use class B wiring, you can use T-tapped wiring. This enables more savings in distance, wire, conduit size, conduit utilization, and overall installation efficiency. Use of the magnet test feature improves installation efficiency. TrueAlert device reports conveniently identify information about each connected appliance.

TrueAlert addressable wiring isolator

The Isolator Model 4905-9929 is available for remote mounting on TrueAlert addressable circuits to isolate short circuited wiring from functioning wiring. Refer to datasheet *TrueAlert Addressable Isolator+ Module, Model 4905-9929 (S4905-0001)* for additional information.

TrueAlert addressable diagnostics

Test Features: The operator can select controllers to pulse each appliance's LED when it receives a supervision poll. When the operator selects a controller for diagnostic mode, the appliance magnet test feature provides a response at the individual appliance being tested.

Silent appliance magnet test: In this test mode, in response to the magnet test, the appliance LED pulses sequentially to indicate the appliance's address.

Operational appliance testing: In this test mode, after the address is indicated by pulsing the appliance LED, the strobe briefly flashes to indicate correct operation.

TrueStart Instrument Two (TSIT): The second generation of the Simplex TrueStart Test Instrument adds testing of IDNAC SLC wiring and TrueAlert, and TrueAlert ES, appliances to its ability to test IDCs, NACs, and IDNet communications before connection to the control unit. Contact your local Simplex representative for additional information.

Product selection

Table 1: Multi-candela addressable S/Vs

Model	Lettering	Listings	Housing color	Mounting	Dimensions, in. (mm)	Description
4906-9251	White FIRE	UL and ULC	Red	Wall	7 1/4 H x 5 W x 2 5/8 D (184 x 127 x 67)	Multi-Tapped Speaker with Multi-Candela Addressable Strobe. You can select the intensity as: 15, 30, 75, or 110 candela .
4906-9253	Red FIRE		White			
4906-9254	Red FIRE	UL	White	Ceiling	7 1/2 (191) diameter speaker housing, 1/2 (13) deep. The lens extends 2 5/8 (67) above the housing. The extension into the box is 2 3/4 (70).	
4906-9255	Blank					
4906-9256	Red ALERT					
4906-9257	Red FIRE	ULC				

Table 2: Wall mount S/V adapters, replacement covers, wire guard; ceiling mount tile bridge

Model	Description		Dimensions, in. (mm)
4905-9946	Surface mount red adapter skirt	Required when mounting to surface mounted electrical box, 4 in. square, 1 1/2 in. deep with 1 1/2 in. deep extension	7 3/4 in. H x 5 3/8 in. W x 3 3/16 in. D (197 x 137 x 81 depth) with S/V = 5 7/8 (149)
4905-9947	Surface mount white adapter skirt		
4905-9903	Adapter plate, red, required to mount S/V on 2975-9145 mounting box. Typically used for retrofit.		8 5/16 H x 5 3/4 W x 0.060 thick (211 x 146 x 1.5)
2975-9145	Mounting box, red, for surface or flush mount, requires adapter plate 4905-9903. This box may be available for retrofit applications.		7 7/8 H x 5 1/8 W x 2 3/4 D (200 x 130 x 70)
4905-9996	Red wall mount S/V replacement cover with white FIRE lettering		7 1/4 H x 5 W x 1 3/8 D (184 x 127 x 35)
4905-9997	White wall mount S/V replacement cover with red FIRE lettering		
4905-9998	Red wire guard for wall mount S/V; with mounting plate, compatible with surface and semi-flush boxes. UL listed by Space Age Electronics Inc.		8 3/8 H x 6 1/16 W x 3 1/4 D (213 x 154 x 79)
2905-9946	Tile bridge for ceiling mount S/Vs		See Ceiling mount S/V install reference and tile bridge dimensions

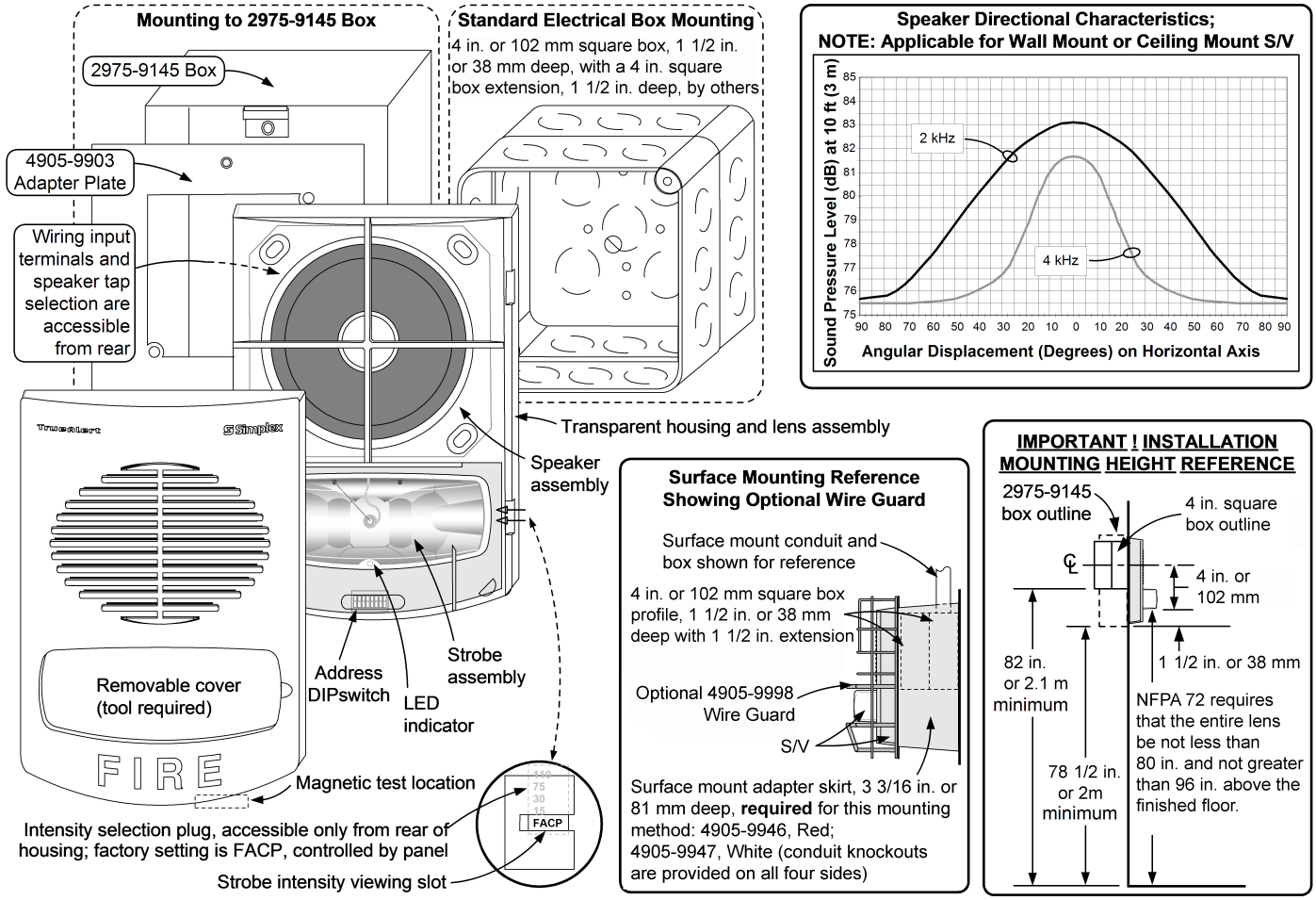
© 2026 Johnson Controls. All rights reserved.

TrueAlert device reports reference

Service Port			Page 1	
REPORT 5 : TrueAlert Device Report		12:34:56am TUE 27-Jan-14		
POINT ID	CUSTOM LABEL	DEVICE TYPE	CANDELA	
T14-1-1	Location Label . . . up to 40 characters	V/O	15	
T14-1-2	Break Room 5	S/V	110	
T14-1-3	Boiler Room	S/V	75	
T14-1-4	Elec. Room 7	S/V	30	

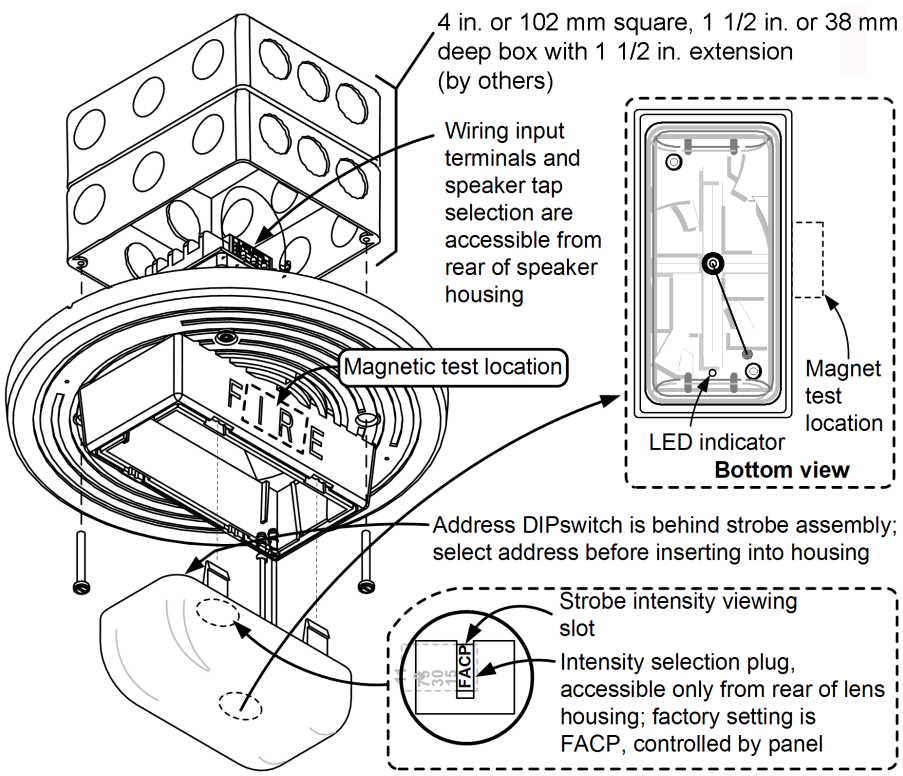
Wall mount installation reference

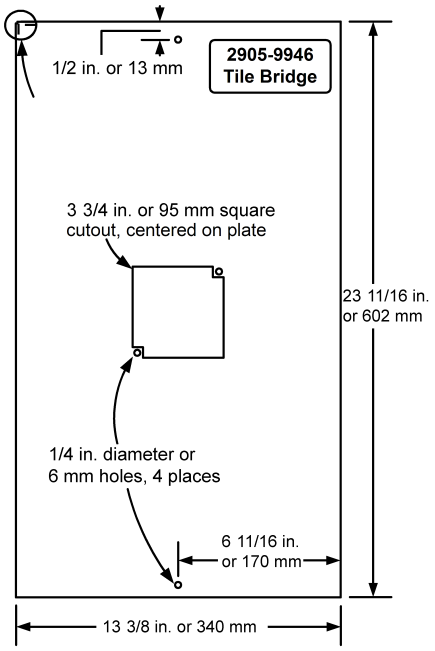
Figure 2: Wall mount installation reference



© 2026 Johnson Controls. All rights reserved.

Ceiling mount S/V install reference and tile bridge dimensions





IDNAC SLC controller compatibility reference

Table 3: IDNAC SLC controller compatibility reference

Compatible controllers	Datasheet 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*			
4007ES with IDNAC Notification	*S4007-0002*			
4010ES with ESS Enhanced System Supply	*S4010-0011*			

S/V specifications

Table 4: Common specifications

Specification	Rating
Environmental	32°F to 122°F (0°C to 50°C). 10% to 93%, non-condensing at 100°F (38°C)
Connections	Terminal blocks for 18 AWG to 12 AWG or 0.82 mm^2 to 3.31 mm^2. Two wires for each terminal for in/out wiring.
Installation instructions	579-808

Table 5: Speaker general specifications

Specification	Rating	
Input voltage	25 VRMS or 70.7 VRMS. See note 1.	
Power taps	1/4 W, 1/2 W, 1 W, and 2 W	
Frequency response	Fire alarm = 400 Hz to 4000 Hz	General signaling = 125 kHz to 12 kHz

Table 6: Speaker output ratings at 10 ft (3 m)

Wattage tap		1/4 W	1/2 W	1 W	2 W
UL Listed Models, Reverberant Chamber Test, as in UL 1480		76 dBA	79 dBA	82 dBA	85 dBA
Wall Mount Models 4906-9251 and 4906-9253, Anechoic Chamber Test, as in ULC-S541		77 dBA	80 dBA	83 dBA	86 dBA
Ceiling Mount Model 4906-9257, Anechoic Chamber Test as in ULC-S541	25 VRMS Input	81.6 dBA	84.3 dBA	87.1 dBA	89.7 dBA
	70.7 VRMS Input	80.9 dBA	84.1 dBA	87.3 dBA	90.2 dBA
Polar Dispersion Reference (as in ULC-S541 Anechoic Chamber Testing)		**Attenuation**	**Angle**	**Attenuation**	**Angle**
		-3 dB	+/- 30° off-axis	-6 dB	+/- 55° off-axis

© 2026 Johnson Controls. All rights reserved.

Table 7: Strobe specifications

Specification		Rating			
Typical operating voltage range		23 VDC to 31 VDC, special application. See below for 17 VDC rating.			
Supervisory requirements		1 unit load (0.8 mA control unit current)			
Flash rate and synchronized SLC loading		1 Hz, with up to 46 synchronized strobes maximum for each NAC			
Wall mount appliances	**Candela setting**	**15 cd**	**30 cd**	**75 cd**	**110 cd**
	23 VDC RMS current ratings, for connection to IDNAC addressable SLCs	50 mA	75 mA	137 mA	190 mA
Ceiling mount appliances	**23 VDC** RMS current ratings, for connection to IDNAC addressable SLCs	60 mA	95 mA	212 mA	277 mA
Note: Speakers are for connection to conventional fire alarm audio circuits. Anechoic speaker output ratings are typically more representative of actual installed sound output.					

TrueAlert strobe legacy compatibility reference

Table 8: TrueAlert strobe legacy compatibility reference

Compatible controller	Datasheet reference	Controller output	Available strobe intensity	Appliance voltage minimum
4100ES or 4100U with TrueAlert Power Supply	*S4100-0031*	TrueAlert Addressable SLC	15 cd, 30 cd, 75 cd, and 110 cd	17 VDC
4009 TPS, Remote TrueAlert Power Supply	*S4100-0037*			
TrueAlert Addressable Controller (4009T)	*S4009-0003*			

Table 9: Electrical ratings difference for retrofit applications

Voltage range		17 VDC to 31 VDC, special application			
Candela setting		**15 cd**	**30 cd**	**75 cd**	**110 cd**
17 VDC RMS current ratings, use when connected to TrueAlert addressable SLCs as previously referenced	**Wall** mount appliances	64 mA	98 mA	187 mA	253 mA
	Ceiling mount appliances	79 mA	128 mA	282 mA	390 mA

© 2026 Johnson Controls. All rights reserved.

All specifications and other information shown were current as of document revision and are subject to change without notice. Additional listings may be applicable, contact your local Simplex® product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. Simplex, and the product names listed in this material are marks or registered marks. Unauthorized use is strictly prohibited. NFPA 72 and National Fire Alarm Code are registered trademarks of the National Fire Protection Association (NFPA).

© 2026 Johnson Controls. All rights reserved.