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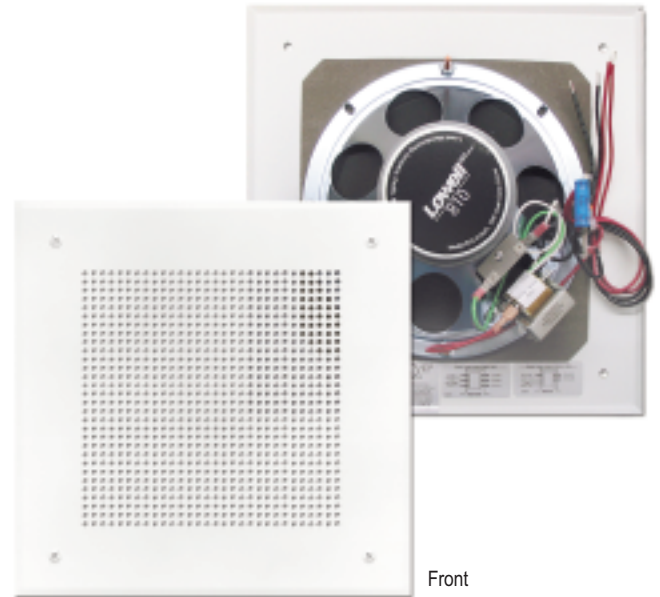303-670-1099   pg. 1/2

AVLELEC™

Model No.
ULS-SG8-CT572
8" Speaker Assembly

- **Includes driver, transformer, grille**
- **UL Listed for Fire Protective Signaling when used with approved backbox (order separately)**

Assembly with 8" single voice coil driver with dual cone is engi-neered to meet UL Standard 1480 (5th ed.) to provide clear signal reproduction for indoor fire alarm/ emergency warning systems and general voice communication for other applications. It must be used with compatible control equipment and one of the approved backboxes to maintain UL Listings (see pg. 2, order_separately).

Features

- Meets NFPA 72A, UL Standard 1480 5th edition (for fire protec-tive signaling systems), and UL 2043 (for use in plenum spaces) when used with approved backbox (order separately).**

- The 8" 15W single voice coil driver with dual cone

- Factory-mounted 70/25V dual voltage transformer with power tap lugs (1/4, 1/2, 1, 2, 5W), parallel input leads and DC block-ing capacitor meet application requirements for 25V and 70V life safety and emergency signaling systems.

- Reproduces emergency alarm and voice instructions with high efficiency and clear intelligibility.

- 11.375" square steel screw-mount grille with white powder epoxy finish.

- Delivers excellent sensitivity per UL's measurement standard of 2W @10ft. This recognized standard assures emergency com-munications can be heard and understood.

- Ships ready for installation to approved backbox (required to maintain UL Listings – order separately).

Front

A&E Specifications

The fire-protective speaker assembly shall be AVLELEC Model No. ULS-SG8-CT572. The speaker shall be 8" with a single voice coil with dual cone. It shall have a factory-mounted dual voltage 70/25V transformer with (1/4, 1/2, 1, 2, 5W) power tap lugs and parallel input leads. The speaker shall have a 15 watt power rating and a sound pressure level of ___ when measured at 2 watts @10 ft. The assembly shall include a DC blocking capacitor and factory mounted 11.375" square steel grille white powder epoxy finish.

It shall mount to AVLELEC backbox Model No. _____, which is required to maintain UL Listings (order separately).

Model No. Summary

Model No.	Driver	Transformer	DC Blkg. Capacitor	Grille	Approved Backbox* (not included – order separately)
ULS-SG8-CT572	8" single voice coil	70V / 25V	10 mfd @ 160V	11.375" square	UL-P68X or CB84-SG**

*Approved backbox is required to maintain UL Listing.   ** Surface-mount backbox CB84-SG is not UL 2043 rated for use in plenum spaces.

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Driver Specs

Model No.	Size	Type	Ceramic Magnet	Cone Type	V.C. Impedance	V.C. Dia.	Power Rating	Sensitivity 1W / 1M *	Depth w xfmr
ULS Series	8"	Single voice coil	10 oz.	Dual	8 Ohms	1"	15 Watts RMS	95dB Avg	2.75"

* UL dBA rating at 10 ft: 70.7V input   1W: 83.6 dBA, 25V input 1W: 84.1 dBA

Transformer Specs

Voltage	Power Rating	Primary Taps	Secondary Impedance	Core Size	Insertion Loss	DC Blocking Capacitor
70V / 25V	5 watts	1/4, 1/2, 1, 2, 5W	8 Ohms	1/2" x 1/2"	< 1	10 mfd @ 160V

Assembly Specs

Model No.	Transformer	DC Blkg. Capacitor	Grille	Backbox (not included, order separately)*	UL Tested Response w grille & backbox***	Dispersion with grille 2kHz – 6dB
ULS-SG8-CT572	70V / 25V	10 mfd @ 160V	11.375" square	UL-P68X or CB84-SG**	60Hz–12kHz ± 9dB	100 degrees

* Order approved AVLELEC backbox separately (required to maintain UL Listing)
** Surface-mount backbox CB84-SG is not UL 2043 rated for use in plenum spaces.
*** Actual response exceeds that tested by UL.

Approved Backboxes (required to maintain UL Listings, order separately)

Model No. UL-P68X
• Recessed steel backbox
• 10" square
• 4" deep
• Black finish
• Mounts Grille SG-8
  that's used in ULS assembly

Model No. CB84-SG
• Surface-mount steel backbox
• 11.5" square
• 4" deep
• White finish
• Mounts Grille SG-8
  that's used in ULS assembly
• This backbox is not UL 2043
  rated for use in plenum spaces.

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