

Model: ULS series

ULS (8") Speaker Assembly for fire protective signaling

Description:

Engineered to meet UL Standard 1480 5th edition, the ULS-series of speaker assemblies provides clear signal reproduction for indoor alarm evacuation and/or voice communication in fire alarm/emergency warning systems, as well as general voice communication for other applications. The assembly includes an 8" single voice coil speaker with a dual cone, 70/25V dual voltage transformer with power tap lugs, parallel input leads, DC blocking capacitor and round or square grille.

The 15-watt speaker delivers excellent sensitivity per UL's measurement standard of 2W @ 10 feet. This recognized standard assures emergency communications can be heard and understood. The attractive white ceiling grille meets both functional and architectural considerations for unobtrusive life safety speakers and is suitable for use in hotels, apartment complexes, schools, and retail establishments of all kinds.

NOTE: The ULS fire protective signaling speaker assembly must be used with compatible control equipment and appropriate Lowell backbox to maintain UL Listing (order separately).

Features:

- Meets UL Standard 1480 (Speakers for Fire Protective Signaling Systems) 5th edition.
- UL 2043 rated for use in plenum spaces.**
- Meets NFPA 72A.
- Factory-wired transformer and DC blocking capacitor meet application requirements for 25V and 70V life safety and emergency signaling systems.
- 15W speaker reproduces emergency alarm and voice instructions with high efficiency and clear intelligibility.
- Assembly includes:
 - 8" single voice coil speaker with dual cone
 - Factory-wired 70/25V dual voltage transformer with power tap lugs, parallel input leads
 - DC blocking capacitor
 - Round (WB-8) or square (SG-8) white steel grille.
- Ships ready for installation to specified Lowell backbox (required to maintain UL Listing – order separately).

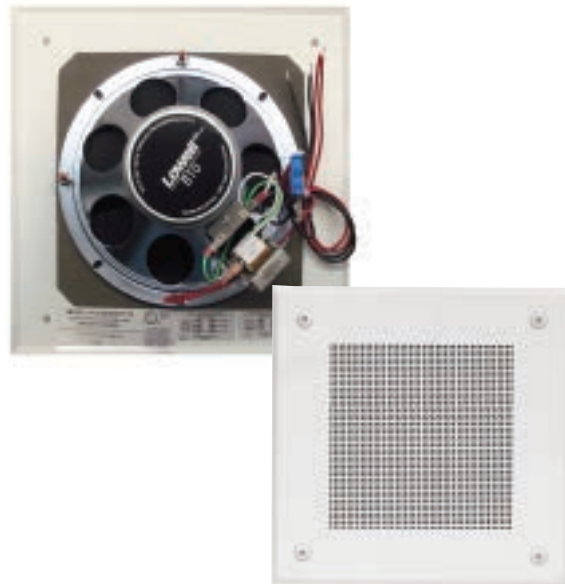
A&E Specifications:

The fire-protective speaker assembly shall be Lowell Model _____. 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 feet. The assembly shall include a DC blocking capacitor and factory-mounted grille. It shall mount to Lowell backbox Model _____, which is required to maintain UL Listing (order separately).

Model No. ULS-WB8-CT572
(8-in. speaker assembly, round grille)



Model No. ULS-SG8-CT572
(8-in. speaker assembly, square grille)



Model No.	Driver	Transformer	DC Blkg. Capacitor	Grille	Specified Backbox* (not included – order separately)
ULS-WB8-CT572	8" single voice coil speaker	70V / 25V	10 mfd @ 160V	12.875" diameter	UL-CP84 or UL-XCP84-S
ULS-SG8-CT572	8" single voice coil speaker	70V / 25V	10 mfd @ 160V	11.375" square	UL-P68X or UL-CB84-SG**

* Specified Lowell backbox is required to maintain UL Listing; order separately.

** Surface-mount backbox UL-CB84-SG is not UL 2043 rated for use in plenum spaces.

DRIVER SPECS:

Model	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 cone	8 Ohms	1"	15 Watts RMS	95* dB avg	2.75"

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

TRANSFORMER SPECS:

Xfmr Voltage	Xfmr Power Rating	Xfmr Primary Taps	Secondary Impedance	Core Size	Insertion Loss	Lead Length	DC Blocking Capacitor
70V / 25V	5 Watts	1/4, 1/2, 1, 2, 5W	8 Ohms	1/2" x 1/2"	< 0.5	8"	10 mfd @ 160V

ASSEMBLY SPECS:

Model No.	Transformer	DC Blkg. Capacitor	Grille	Backbox (not included)*	Tested Response w grille & backbox***	Dispersion with grille 2kHz - 6dB
ULS-WB8-CT572	70V / 25V	10 mfd @ 160V	12.875" diameter	UL-CP84 or UL-XCP84-S	60Hz-12kHz ± 9dB	100°
ULS-SG8-CT572	70V / 25V	10 mfd @ 160V	11.375" square	UL-P68X or UL-CB84-SG**	60Hz-12kHz ± 9dB	100°

* Order Lowell backbox separately (required to maintain UL Listing)

** Surface-mount backbox UL-CB84-SG is not UL 2043 rated for use in plenum spaces.

*** Actual response exceeds that tested.

BACKBOX SPECS (order separately):

Model No.	Style	Dimensions	Mounts Grille
UL-CP84	recessed, extended lip	11.938" dia. x 4.063"D	WB-8 (round)
UL-XCP84-S	recessed with straps, flat flange	10.063" dia. x 4.063"D straps	WB-8 (round)
UL-P68X	recessed	10.0" square x 4"D	SG-8 (square)
UL-CB84-SG*	surface	11.5" square x 4"D	SG-8 (square)

* Surface-mount backbox UL-CB84-SG is not UL 2043 rated for use in plenum spaces.



Backbox Model No. UL-CP84



Backbox Model No. UL-XCP84-S



Backbox Model No. UL-P68X



Backbox Model No. UL-CB84-SG*