

Distributed Audio Solutions

Packaged Speakers, Sound Masking, Mixers/Amplifiers, Volume Controls, & more...



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Pendant Speakers	1	Amplifiers & Electronics	10
ESP Series	1	MA Series (Mixer/Amplifier)	10
ESP Series Accessories	1	PA250A (Power Amplifier)	10
In-Ceiling Speakers	2-3	MP-2 (Monitor Panel)	10
ES Series	2	TLM-600A (Impedance Matching Transformer) . . .	10
ES Series Accessories	2	Drivers	11
RPAK	3	Transformers (Line Matching)	12
Speaker Assemblies	3	Enclosures	12-13
WB8-8A50-T870	3	Recessed	12
C1830-870	3	Surface-Mount	13
R Series	3	Flown	13
VRG Series	3	Wall Baffles	13
D Series	3	Grilles	14
Open Architecture Speakers	4	Round	14
iMount Series (Flown)	4	Square	14
BC810-72 (Beam Clamp)	4	Mounting Aids	14
Lay-In Tile Ceiling Speakers	5-6	T-Bridges	14
LT Series (1X2)	5	Rough-In Bridge	14
LT2 Series (2X2)	6	Mounting Ring	14
Surface-Mount Speakers	7	Channel Rails	14
OS Series (Indoor/Outdoor)	7	Retro-fit Brackets	14
OS Series Accessories	7	Volume Controls	15-16
DSL Series (Sloped Front)	7	Program Selector Switches	17
DSQ-805-72 (Straight Front)	7	Call Switches	17
Horns	8	Vandal-Resistant Intercom Stations	17
Unihorn® (LUH Series)	8	Wall Plates	17
LUH Series Accessories	8	Surface-Mount Wall Boxes	18
LH Series	8	Clock Speaker Centers	18
LH Series Accessories	8	Product Index	19-20
Sound Masking	9		
Sound Masking Speakers	9		
Sound Masking Generator	9		



PENDANT SPEAKERS

*the Essence
of quality sound*



ESP-82CDTB



ESP-82CDTW



ESP-82TB



ESP-82TW



ESP-62TB



ESP-62TW



ESP-6-BRKTW



ESP-CBL



Magnetic top
snaps into place

Built-in bracket for
mounting pipe or cable

Three Mounting Options

- 1) Cable-mount with Gripple® cable (ESP-CBL sold separately)
- 2) Pipe-mount (installer provided)
- 3) Surface-mount with bracket (ESP-BRKT sold separately)



PENDANT SPEAKER (ESP SERIES)

The ESP speaker is engineered to acoustically match the ES Series of recessed speakers, enabling the integration of exceptional performance with even coverage no matter the type of architecture encountered. ESP speakers feature a built-in bracket for mounting with pipe or cable but they also have threaded insert points to add a U-bracket for wall or truss-mount. The sleek design, quality performance and versatile mounting options make the ESP Series suitable for a wide variety of applications that require clear speech and full frequency music. UL Listed. Black or white finish. See spec sheets for complete information.

Model No.	Enclosure/ Grille Color	Driver	Transformer	Sensitivity	Frequency Response	Dispersion
ESP-82CDTB	Black	8" 150W coaxial compression	70V 120W	91.5dB average SPL (8ohms) @ 1W/1M	67Hz - 20kHz (±6dB)	70° conical @ 2kHz octave (-6dB)
ESP-82CDTW	White					
ESP-82TB	Black	8" 120W coaxial	70V 120W	90.0dB average SPL (8ohms) @ 1W/1M	64Hz - 20kHz (±6dB)	105° conical @ 2kHz octave (-6dB)
ESP-82TW	White					
ESP-62TB	Black	6½" 50W coaxial	70V 32W	88.6dB average SPL (8ohms) @ 1W/1M	64Hz - 20kHz (±6dB)	120° conical @ 2kHz octave (-6dB)
ESP-62TW	White					

Accessories specific to this series:

ESP-8-BRKTB	Surface-mount bracket for 8" ESP (black)
ESP-8-BRKTW	Surface-mount bracket for 8" ESP (white)
ESP-8-PG	Driver paint guards for 8" ESP
ESP-6-BRKTB	Surface-mount bracket for 6" ESP (black)
ESP-6-BRKTW	Surface-mount bracket for 6" ESP (white)
ESP-6-PG	Driver paint guards for 6" ESP
ESP-CBL	Includes two 15-ft. long Gripple No. 2 hook-end cables and two Gripple No. 2 Express quick-install cable fasteners



IN-CEILING SPEAKER (ES SERIES)

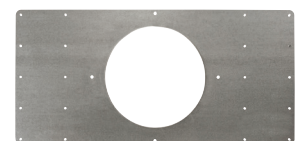


The ES speaker for in-ceiling/wall applications delivers full-frequency response for music plus excellent intelligibility for speech—all in a quick-install package. Each model includes driver w/transformer, steel enclosure w/reversible mounting dogs and Phoenix-style connectors, white press-fit grille w/pull tool, C-ring w/support rails, plastic paint shield for driver, and paper template to mark mounting holes. UL Listed. See spec sheets for complete information.

Model No.	Driver	Transformer	Overall Diameter (w/trim ring)	Overall Depth	Sensitivity	Frequency Response	Dispersion
ES-82CDT	8" 150W coaxial compression	70V 120W	12.89"	11.03"	91.5dB average SPL (8ohms) @ 1W/1M	67Hz - 20kHz (±6dB)	70° conical @ 2kHz octave (-6dB)
ES-82T	8" 120W coaxial	70V 120W	12.89"	11.03"	90.0dB average SPL (8ohms) @ 1W/1M	64Hz - 20kHz (±6dB)	105° conical @ 2kHz octave (-6dB)
ES-8TSub	8" 120W subwoofer	70V 120W	12.89"	11.03"	90.2dB average SPL (8ohms) @ 1W/1M	57Hz - 138Hz (±6dB)	Omni-directional
ES-62T	6½" 50W coaxial	70V 32W	9.84"	10.16"	88.6dB average SPL (8ohms) @ 1W/1M	64Hz - 20kHz (±6dB)	120° conical @ 2kHz octave (-6dB)
ES-52T	5¼" 30W coaxial	70V 16W	9.84"	10.16"	88.0dB average SPL (8ohms) @ 1W/1M	70Hz - 20kHz (±6dB)	165° conical @ 2kHz octave (-6dB)
ES-4T	4" 25W dual cone	70V 16W	8.27"	6.22"	85.7dB average SPL (8ohms) @ 1W/1M	108Hz - 20kHz (±6dB)	175° conical @ 2kHz octave (-6dB)

Accessories specific to this series:

ES-8-RIB	Rough-in bridge for 8" speaker (use before drywall is installed)
ES-6-RIB	Rough-in bridge for 5¼" or 6½" speaker (use before drywall is installed)
ES-4-RIB	Rough-in bridge for 4" speaker (use before drywall is installed)
ES-6-RTR	Retrofit trim ring for 5¼" or 6½" speaker
ES-4-RTR	Retrofit trim ring for 4" speaker





RPAK-810-72

IN-CEILING SPEAKER (RPAK-810-72)

For general purpose paging and distributed music applications, the RPAK includes a set of two speakers, two transformers, two white steel enclosures, two white steel grilles, and two tile-bridges.

Model No.	Drivers	Transformers	Enclosures	Grilles	Sensitivity	Frequency Response	Dispersion
RPAK-810-72	8" 15W dual cone	25/70V 5W	10" dia. x 4"D	12.88" dia.	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
RPAK-810-425	8" 15W dual cone	25V 4W	10" dia. x 4"D	12.88" dia.	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)

NOTE: A single speaker assembly R1810-72 (driver, transformer + grille) can be ordered without the backbox and tile-bridge. Assemblies with volume controls and square grilles are also available, see the R Series below. • Closeout

8" 15W DUAL CONE DRIVER + GRILLE (R SERIES)

For paging and distributed music, 8" speaker assemblies combine an 8" 15W dual cone driver with 25/70V 5W dual-voltage transformer, and round or square grille (white finish). Optional volume control. Order enclosure separately.



R1810-72K



R7810-72

Model No.	Driver	Transformer	Grille	VC	Driver Specifications (measured half space)		
					Sensitivity	Frequency Response	Dispersion
R1810-425	8" 15W dual cone	25V 4W	12.88" diameter screw-mount	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
R1810-72*	8" 15W dual cone	25/70V 5W	12.88" diameter screw-mount	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
R1810-72K	8" 15W dual cone	25/70V 5W	12.88" diameter screw-mount	Knob	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
R1810-72S	8" 15W dual cone	25/70V 5W	12.88" diameter screw-mount	Slot	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
R7810-72	8" 15W dual cone	25/70V 5W	11.44" square screw-mount	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
R7810-72K	8" 15W dual cone	25/70V 5W	11.44" square screw-mount	Knob	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)

NOTE: R1810-72 can be purchased in a bundle with tile-bridges and enclosures, see RPAK-180-72 above. • Closeout

8" 20W COAXIAL DRIVER + GRILLE (C1830-870)

For quality paging and background music, the speaker assembly w/wide dispersion and clear intelligibility features an 8" 20W coaxial driver, 70V 8W transformer, and 12.88" diameter screw-mount grille (white finish). Order enclosure separately.



C1830-870

Model No.	Driver	Transformer	Grille	Speaker Assembly Specifications		
				Sensitivity	Frequency Response	Dispersion
C1830-870	8" 20W coaxial	70V 8W	12.88" diameter screw-mount	97.1dB average SPL @ 1W/1M	53Hz - 14.3kHz (±6dB) 44Hz - 20kHz (±7.1dB)	80° conical @ 2kHz octave (-6dB)

8" 50W COAXIAL DRIVER + GRILLE FOR GENERAL SIGNALING (WB8-8A50-T870)

Premium speaker assembly features an 8" 50W coaxial driver, 70V 8W transformer, and 12.88" diameter screw-mount grille (white finish). UL1480 Listed for general signaling and UL2043 rated for use in plenum spaces when used with approved backbox/enclosure (XCP87, order separately). Ideal for upscale restaurants, lounges, hotel lobbies, and similar venues.



WB8-8A50-T870

Model No.	Driver	Transformer	Grille	Appvd. Enclosure for UL Listing (order separately)	Speaker Assembly Specifications		
					Sensitivity	Frequency Response	Dispersion
WB8-8A50-T870	8" 50W coaxial	70V 8W	12.88" diameter screw-mount	XCP87	92.0dB average SPL @ 1W/1M	40Hz - 19.4kHz (±6dB) 40Hz - 20kHz (±7.1dB)	90° conical @ 2kHz octave (-6dB)

8" 15W DRIVER + VANDAL-RESISTANT GRILLE (VRG SERIES)

For paging and distributed music, 8" speaker assemblies combine an 8" 15W dual cone or 8" 15W moisture-resistant single cone driver with 25/70V 5W dual-voltage transformer, and square vandal-resistant cast aluminum grille (white finish). Order enclosure separately.



VRG-8C10MRB-72

Model No.	Driver	Transformer	Grille	Ideally suited for	Speaker Assembly Specifications		
					Sensitivity	Frequency Response	Dispersion
VRG-810-72	8" 15W dual cone	25/70V 5W	11.44" square screw-mount	Indoor	97.1dB average SPL @ 1W/1M	53Hz - 5.3kHz (±6dB) 50Hz - 20kHz (±12.4dB)	80° conical @ 2kHz octave (-6dB)
VRG-8C10MRB-72	8" 15W single cone (moisture-resistant)	25/70V 5W	11.44" square screw-mount	Indoor/Outdoor	97.1dB average SPL @ 1W/1M	74Hz - 3.9kHz (±6dB) 50Hz - 20kHz (±21.2dB)	80° conical @ 2kHz octave (-6dB)

4" 30W COAXIAL DRIVER + GRILLE

For very wide dispersion w/full fidelity, the 4" speaker assemblies combine a 4" 30W coaxial driver with 25/70V dual-voltage transformer, and round screw-mount or torsion grille (white finish). Order enclosure separately.

Model No.	Driver	Transformer	Grille	Speaker Assembly Specifications		
				Sensitivity	Frequency Response	Dispersion
WB4-4A30-T870	4" 30W coaxial	70V 8W	7.25" diameter screw-mount	88.0dB average SPL @ 1W/1M	70Hz - 20kHz (±6dB) 50Hz - 20kHz (±8.8dB)	135° conical @ 2kHz octave (-6dB)
WB4T-4A30-T870	4" 30W coaxial	70V 8W	7.25" diameter torsion-mount	88.0dB average SPL @ 1W/1M	70Hz - 20kHz (±6dB) 50Hz - 20kHz (±8.8dB)	135° conical @ 2kHz octave (-6dB)

4" 15W SINGLE CONE DRIVER + GRILLE (D SERIES)

For very wide dispersion w/full fidelity, the 4" speaker assemblies combine a 4" 15W high compliance single cone driver with 25/70V dual-voltage transformer, and round or square grille (white finish). Order enclosure separately.

Model No.	Driver	Transformer	Grille	Speaker Assembly Specifications		
				Sensitivity	Frequency Response	Dispersion
D1410-72	4" 15W single cone	25/70V 5W	7.25" diameter screw-mount	90.8dB average SPL @ 1W/1M	67Hz - 16kHz (±6dB) 57Hz - 20kHz (±7.4dB)	170° conical @ 2kHz octave (-6dB)
D3410-72	4" 15W single cone	25/70V 5W	8.56" diameter torsion-mount	90.8dB average SPL @ 1W/1M	67Hz - 16kHz (±6dB) 57Hz - 20kHz (±7.4dB)	170° conical @ 2kHz octave (-6dB)
D6410-72	4" 15W single cone	25/70V 5W	7.00" square screw-mount	90.8dB average SPL @ 1W/1M	67Hz - 16kHz (±6dB) 57Hz - 20kHz (±7.4dB)	170° conical @ 2kHz octave (-6dB)



D1410-72

OPEN ARCHITECTURE SPEAKERS

IMOUNT® SPEAKER W/RECTANGULAR ENCLOSURE (IM SERIES)

The iMount speaker system provides quality sound distribution of foreground/background music in all kinds of commercial venues. This high performance speaker features pre-mounted (1/4"-20) forged eye-bolts* and external connections for fast installation to hang, bolt, or suspend in open ceilings or recessed applications. Rectangular units ship with a steel cover plate mounted over the driver for job site protection during installation. Remove the plate to access the transformer tap selector and mount the grille. Each model includes an 8" or 12" coaxial driver w/70V transformer, black steel enclosure and white grille.

Model No.	Driver	Transformer	Enclosure	Grille	Sensitivity	Frequency Response	Dispersion
IM12Q-TS100-3SW	12" 250W coaxial compression	70V 100W	3 cu.ft.	15.25" sq.	100.1dB average SPL @ 1W/1M	73Hz - 16kHz (±6dB) 45Hz - 20kHz (±9.5dB)	80° conical @ 2kHz octave (-6dB)
IM12P-TS100-3SW	12" 150W coaxial compression	70V 100W	3 cu.ft.	15.25" sq.	96.1dB average SPL @ 1W/1M	49Hz - 10.1kHz (±6dB) 45Hz - 20kHz (±7.7dB)	65° conical @ 2kHz octave (-6dB)
IM8P-TS100-2SW	8" 100W coaxial compression	70V 100W	2 cu.ft.	15.25" sq.	92.3dB average SPL @ 1W/1M	50Hz - 17.0kHz (±6dB) 48Hz - 20kHz (±7.1dB)	80° conical @ 2kHz octave (-6dB)
IM8A-TS32-2SW	8" 50W coaxial	70V 32W	2 cu.ft.	15.25" sq.	89.7dB average SPL @ 1W/1M	50Hz - 7.3kHz (±6dB) 50Hz - 20kHz (±9.1dB)	85° conical @ 2kHz octave (-6dB)



*Eye-bolts can be removed for threaded rod or strut-mount applications. Black grille or white enclosure available upon request—call for pricing.

8" SPEAKER W/BEAM CLAMP (BC810-72)

Fully contained 8" speaker assembly features clamps to mount to an open beam or truss, and externally accessible leads that exit through a metal strain-relief clamp. Includes 8" dual cone driver w/dual-voltage transformer, steel enclosure and grille. White finish.

Model No.	Driver	Transformer	Enclosure	Grille Diameter	Driver Specifications (measured half space)		
					Sensitivity	Frequency Response	Dispersion
BC810-72	8" 15W dual cone	25/70V 5W	0.15 cu.ft.	12.88"	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)



BC810-72



LAY-IN TILE CEILING SPEAKERS



Quick, easy installation.



Integral T-bar supports neighboring non-regular tile.



1X2 LAY-IN TILE CEILING SPEAKER (LT SERIES)

For a variety of applications—from pro sound to background music and paging—this speaker assembly is designed for quick installation and includes choice of driver w/optional transformer, 1x2 grille w/subplate, optional enclosure, and optional volume control (VC). The enclosure features a restraint tab and hole for two-cable code compliance. Patented** 1x2 design includes integral T-bar to support neighboring non-regular tile.

Model No.	Driver	Transformer	Enclosure	Grille	VC	Driver Specifications (measured half space)		
						Sensitivity	Frequency Response	Dispersion

Pro Sound Assemblies:

LT-8A-Vb*	8" 50W coaxial	---	.8 cu.ft.	1x2	---	90.6dB average SPL @ 1W/1M	40Hz - 19.4kHz (±6dB) 40Hz - 20kHz (±7.3dB)	90° conical @ 2kHz octave (-6dB)
LT-8A-T870-Vb*	8" 50W coaxial	70V 8W	.8 cu.ft.	1x2	---	90.6dB average SPL @ 1W/1M	40Hz - 19.4kHz (±6dB) 40Hz - 20kHz (±7.3dB)	90° conical @ 2kHz octave (-6dB)

Background Music & Paging Assemblies:

LT-830-BB	8" 20W coaxial	---	.147 cu.ft.	1x2	---	97.0dB average SPL @ 1W/1M	57Hz - 14kHz (±6dB) 44Hz - 20kHz (±7.6dB)	80° conical @ 2kHz octave (-6dB)
LT-830-870-BB	8" 20W coaxial	70V 8W	.147 cu.ft.	1x2	---	97.0dB average SPL @ 1W/1M	57Hz - 14kHz (±6dB) 44Hz - 20kHz (±7.6dB)	80° conical @ 2kHz octave (-6dB)
LT-810	8" 15W dual cone	---	---	1x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT-810-72	8" 15W dual cone	25/70V 5W	---	1x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT-810-BB	8" 15W dual cone	---	.147 cu.ft.	1x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT-810-72-BB	8" 15W dual cone	25/70V 5W	.147 cu.ft.	1x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT-810-72-BB-VC	8" 15W dual cone	25/70V 5W	.147 cu.ft.	1x2	Yes	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
• LT-810-425-BB	8" 15W dual cone	25V 4W	.147 cu.ft.	1x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT-410-72-BB	4" 15W high compliance	25/70V 5W	.147 cu.ft.	1x2	---	90.8dB average SPL @ 1W/1M	67Hz - 16kHz (±6dB) 53Hz - 20kHz (±8dB)	170° conical @ 2kHz octave (-6dB)

*UL Listed

**U.S. Patents 7120269, D467579, 7643647 • Closeout

Note: LT speakers with Vb enclosure are made to order.





Quick, easy installation.

2X2 LAY-IN TILE CEILING SPEAKER (LT2 SERIES)

Speaker assembly designed for quick installation includes choice of driver w/optional transformer, 2x2 grille w/subplate, enclosure, and optional volume control (VC). The enclosure features restraint tabs for two-cable code compliance.

Model No.	Driver	Transformer	Enclosure	Grille	VC	Driver Specifications (measured half space)		
						Sensitivity	Frequency Response	Dispersion

Pro Sound Assemblies:

LT2-8A-Vb*	8" 50W coaxial	---	.8 cu.ft.	2x2	---	90.6dB average SPL @ 1W/1M	40Hz - 19.4kHz (±6dB) 40Hz - 20kHz (±7.3dB)	90° conical @ 2kHz octave (-6dB)
LT2-8A-T870-Vb*	8" 50W coaxial	70V 8W	.8 cu.ft.	2x2	---	90.6dB average SPL @ 1W/1M	40Hz - 19.4kHz (±6dB) 40Hz - 20kHz (±7.3dB)	90° conical @ 2kHz octave (-6dB)
LT2-8A-TM32-Vb	8" 50W coaxial	70V 32W	.8 cu.ft.	2x2	---	90.6dB average SPL @ 1W/1M	40Hz - 19.4kHz (±6dB) 40Hz - 20kHz (±7.3dB)	90° conical @ 2kHz octave (-6dB)

Foreground Music Assemblies:

LT2-830-T870-Vb	8" 20W coaxial	70V 8W	.8 cu.ft.	2x2	---	97.0dB average SPL @ 1W/1M	57Hz - 14kHz (±6dB) 44Hz - 20kHz (±7.6dB)	80° conical @ 2kHz octave (-6dB)
LT2-830-TM16-Vb	8" 20W coaxial	70V 16W	.8 cu.ft.	2x2	---	97.0dB average SPL @ 1W/1M	57Hz - 14kHz (±6dB) 44Hz - 20kHz (±7.6dB)	80° conical @ 2kHz octave (-6dB)

Background Music & Paging Assemblies:

LT2-810-BB	8" 15W dual cone	---	.147 cu.ft.	2x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT2-810-72-BB	8" 15W dual cone	25/70V 5W	.147 cu.ft.	2x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT2-810-72-BB-VC	8" 15W dual cone	25/70V 5W	.147 cu.ft.	2x2	Yes	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
LT2-810-425-BB	8" 15W dual cone	25V 4W	.147 cu.ft.	2x2	---	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)



MADE TO ORDER LT2-8A-T870-Vb



MADE TO ORDER LT2-830-T870-Vb



LT2-810-72-BB

*UL Listed • Closeout

Note: LT speakers with Vb enclosure are made to order.



INDOOR/OUTDOOR SURFACE-MOUNT SPEAKER (OS SERIES)

For high fidelity music and voice reinforcement—indoor or protected outdoor applications—the OS Series speaker provides excellent sound reproduction at 8ohms, 25V, 70V, or 100V. Includes choice of driver w/transformer, molded plastic housing w/weather-resistant terminal cover, fine mesh aluminum grille, and adjustable U-bracket. Black or white finish. Optional omni-directional bracket adds mounting versatility.



Model No.	Driver	Transformer	Application	Color	Sensitivity	Frequency Response	Dispersion
OS-150TB	8" 150W two-way	8ohm or 25/70/100V	Pattern control	Black	91.0dB average SPL @ 1W/1M	65Hz - 20kHz (±6dB)	80° conical @ 2kHz octave (-6dB)
OS-150TW	8" 150W two-way	8ohm or 25/70/100V	Pattern control	White	91.0dB average SPL @ 1W/1M	65Hz - 20kHz (±6dB)	80° conical @ 2kHz octave (-6dB)
OS-100TB	6-1/2" 100W two-way	8ohm or 25/70/100V	Wide dispersion	Black	87.8dB average SPL @ 1W/1M	97Hz - 20kHz (±6dB)	120° conical @ 2kHz octave (-6dB)
OS-100TW	6-1/2" 100W two-way	8ohm or 25/70/100V	Wide dispersion	White	87.8dB average SPL @ 1W/1M	97Hz - 20kHz (±6dB)	120° conical @ 2kHz octave (-6dB)
OS-50TB	5-1/4" 50W two-way	8ohm or 25/70/100V	Wide dispersion (value)	Black	85.4dB average SPL @ 1W/1M	102Hz - 16.5kHz (±6dB) 89Hz - 20kHz (±7.5dB)	115° conical @ 2kHz octave (-6dB)
OS-50TW	5-1/4" 50W two-way	8ohm or 25/70/100V	Wide dispersion (value)	White	85.4dB average SPL @ 1W/1M	102Hz - 16.5kHz (±6dB) 89Hz - 20kHz (±7.5dB)	115° conical @ 2kHz octave (-6dB)

Accessories specific to this series:

OS-BRKT-B	Omni-directional bracket for OS-50 or OS-100 (black)
OS-BRKT-W	Omni-directional bracket for OS-50 or OS-100 (white)



8" SURFACE-MOUNT SPEAKER (DSL/DSQ SERIES)

For background music and paging, these surface-mount speakers include an 8" dual cone driver w/dual-voltage transformer, steel enclosure (straight or sloped front) and grille. White finish. Optional volume control knob.



Model No.	Driver	Transformer	Enclosure (H x W)	Front	VC	Sensitivity	Frequency Response	Dispersion
DSL-805-72	8" 12W dual cone	25/70V 5W	11.3" x 11.5"	Sloped	---	95.1dB average SPL @ 1W/1M	122Hz - 7.4kHz (±6dB) 65Hz - 20kHz (±12dB)	110° conical @ 2kHz octave (-6dB)
DSL-805-72K	8" 12W dual cone	25/70V 5W	11.3" x 11.5"	Sloped	Yes	95.1dB average SPL @ 1W/1M	122Hz - 7.4kHz (±6dB) 65Hz - 20kHz (±12dB)	110° conical @ 2kHz octave (-6dB)
DSQ-805-72	8" 12W dual cone	25/70V 5W	11.3" x 11.5"	Straight	---	95.1dB average SPL @ 1W/1M	122Hz - 7.4kHz (±6dB) 65Hz - 20kHz (±12dB)	110° conical @ 2kHz octave (-6dB)



UNI HORN® GENERAL SIGNALING (LUH-15TA, LUH-15TX)

Universal-mount paging horn can be used for recessed or surface-mount applications in concrete block, brick, plaster, drywall or acoustic tile. Cast aluminum housing w/Network Grey finish. UL1480A Listed general signaling (US), UL2043 suitable for plenum space (US), CSA C22.2 No. 205-12 Listed general signaling (Canada).

Model No.	Driver	Transformer	8ohm	Assembly Includes			Applications		Specifications		
				Mtg. Dogs	Trim Ring	Press Grille	General Signaling	Intercom Systems*	Sensitivity	Frequency Response	Dispersion
LUH-15TA	15W	25/70/100V	Yes	Yes	Yes	Yes	Yes	Yes	105dB average SPL @ 1W/1M	740Hz - 7.4kHz (±6dB)	80° conical @ 2kHz octave (-6dB)
LUH-15TX	15W	25/70/100V	Yes	---	---	---	Yes	Yes	105dB average SPL @ 1W/1M	740Hz - 7.4kHz (±6dB)	80° conical @ 2kHz octave (-6dB)

Accessories specific to the Unihorn:

LUH-BOX	Stainless steel box (recessed or surface-mount), Network Grey, indoor/outdoor (for LUH-15TA)
LUH-BOX-INT	CRS steel box (recessed or surface-mount), Network Grey, indoor only (for LUH-15TA)
LUH-TBAR	Galvanized steel T-bridge, indoor only (for LUH-15TA)
LUH-TP	Aluminum trim plate, Network Grey, indoor/outdoor (for LUH-BOX and LUH-BOX-INT)
LUH-VRG	Cast aluminum vandal-resistant grille, Network Grey, indoor/outdoor (for LUH-15TA or LUH-15TX)
LUH-BRKT	Aluminum U-bracket, indoor/outdoor, Network Grey (for LUH-15TA with mounting dogs removed or LUH-15TX)

*Model can be used with intercom systems (25V only)

UNI HORN® + VANDAL-RESISTANT GRILLE (VRG-LUH15TX)

The horn assembly features a white cast aluminum vandal-resistant grille with secondary galvanized steel perf, and includes a mounted Unihorn® with weather-resistant housing engineered for versatile labor-saving installation in brick, concrete block, plaster, or drywall (indoors or outdoors, recessed or surface-mount). For paging and general voice communications (25V, 70V, 100V or 8ohm). Ideal for school intercom systems (25V).

Model No.	Driver	Transformer	Grille	Ideally suited for	Sensitivity	Frequency Response	Dispersion
VRG-LUH15TX	15W compression	8ohm or 25/70/100V	11.44" square screw-mount	Indoor/Outdoor	104.2dB average SPL @ 1W/1M	674Hz - 5.8kHz (±6dB)	85° conical @ 2kHz octave (-6dB)

RE-ENTRANT HORN (LH SERIES)

For clear voice paging and tone signaling in indoor or protected outdoor applications, the weather-resistant assembly w/aluminum housing ships ready to install. It features a universal swivel mounting bracket and easy two-wire hookup to rear access screw terminals. Optional wiring compartment covers for IP66 rating (water/dust resistance).

Model No.	Driver	Transformer	Enclosure	Sensitivity	Frequency Response	Dispersion
LH-30TA	30W compression	25/70/100V	10.37" dia. x 10.63"D	118.1dB average SPL @ 1W/1M	411Hz - 4.0kHz (±6dB)	40° conical @ 2kHz octave (-6dB)
LH-15TA	15W compression	25/70/100V	8.94" dia. x 9.38"D	112.2dB average SPL @ 1W/1M	537Hz - 4.5kHz (±6dB)	50° conical @ 2kHz octave (-6dB)

Accessories specific to this series:

LHA-30C	Wiring compartment cover for conduit (for LH-30TA). Achieves IP66 Rating for water/dust resistance.
LHA-30G	Wiring compartment cover for cable (for LH-30TA). Achieves IP66 Rating for water/dust resistance.
LHA-15C	Wiring compartment cover for conduit (for LH-15TA). Achieves IP66 Rating for water/dust resistance.
LHA-15G	Wiring compartment cover for cable (for LH-15TA). Achieves IP66 Rating for water/dust resistance.



LUH-15TA

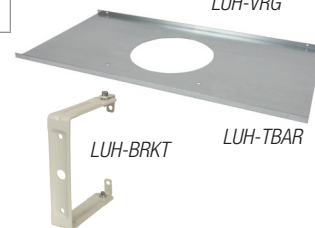


LUH-15TX



LUH-BOX

LUH-VRG



LUH-BRKT

LUH-TBAR



VRG-LUH15TX



LH-15TA



LHA-30G



LHA-15C



ABOVE CEILING SOUND MASKING SPEAKER W/HANGERS (SM SERIES)

SM sound masking speakers for above-ceiling installation include choice of driver, transformer, square or round steel enclosure and integral grille. Choice of mounting style includes hangers w/4' chain and S-hook or w/factory-mounted bridge rails. Drivers: 8" 50W coaxial, 8" 15W dual cone, 8" 12W dual cone, 4" 15W single cone. UL Listed (UL1480 or UL1480A). UL2043 suitable for plenum space. CSA C22.2 No. 205-M1983 (Canada).



SM810A



SM810AW

MADE TO ORDER



SM810A-BR



SM805A

Model No.	Driver	Transformer	Enclosure Size	Enclosure Style	Color	Mounting Aids
SM820A	8" 50W coaxial	70V 4W	760 cu.in.	Square	Black	Hangers, S-hooks, Chain
SM820A-BR	8" 50W coaxial	70V 4W	760 cu.in.	Square	Black	Bridge Rails*
SM810A	8" 15W dual cone	70V 4W	760 cu.in.	Square	Black	Hangers, S-hooks, Chain
SM810AW	8" 15W dual cone	70V 4W	760 cu.in.	Square	White*	Hangers, S-hooks, Chain
SM810A-BR	8" 15W dual cone	70V 4W	760 cu.in.	Square	Black	Bridge Rails*
SM805A	8" 12W dual cone	70V 4W	325 cu.in.	Round	Black	Hangers, S-hooks, Chain
SM410A	4" 15W single cone	70V 4W	760 cu.in.	Square	Black	Hangers, S-hooks, Chain
SM410A-BR	4" 15W single cone	70V 4W	760 cu.in.	Square	Black	Bridge Rails*

Accessories specific to this series:

SM-BR	Bridge rails, 1 pr
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* Speakers with white enclosures or factory-mounted bridge rails are made to order. All square speaker assemblies feature pre-drilled pilot holes to allow field installation of bridge rails.

SOUND MASKING GENERATOR (SMG-2) AND SOUND MASKING GENERATOR W/AMPLIFIER (SMGA SERIES)



SMG-2

Sound masking generator produces an analog pink noise signal that is fed to sound masking speakers to increase ambient noise. Requires a separate amplifier. See spec sheet for more information. Order sound masking speakers separately.

Model No.	Description	Mounting	Chassis	Chassis w/Brackets
SMG-2	Sound masking generator (UL listed PWR supply)	Universal brackets (1U)	1.50" x 12.2" x 6.00"	1.75" x 19.00" x 6.00"

MIXER/AMPLIFIER (MA SERIES), AND POWER AMPLIFIER (PA250A)

Mixer/amplifiers feature multiple controls, an LED display bank for output level, and speaker outputs at screw terminals. The power amplifier (PA250A) provides 250W of continuous RMS power directly to a 4ohm speaker load (rear switch connects internal 25V/70V output transformer for distributed speaker systems). See spec sheets for more information.

Model No.	Description	Max. Power Output	Speaker Level Outputs	Frequency Response	Chassis
MA30	Mixer w/amplifier (stand-alone)	30W	4ohms, 8ohms, 25V, 70V	50Hz - 20kHz (± 3 dB)	3.46" x 8.35" x 10.82"
MA30-WK	Mixer w/amplifier & wall-mount brackets	30W	4ohms, 8ohms, 25V, 70V	50Hz - 20kHz (± 3 dB)	3.46" x 8.35" x 10.82"
MA30-RK	Mixer w/amplifier & rackmount brackets	30W	4ohms, 8ohms, 25V, 70V	50Hz - 20kHz (± 3 dB)	3.46" x 8.35" x 10.82"
MA60	Mixer w/amplifier & rackmount brackets	60W	4ohms, 8ohms, 25V, 70V	50Hz - 20kHz (± 3 dB)	3.50" x 17.00" x 13.50"
MA125	Mixer w/amplifier & rackmount brackets	125W	4ohms, 8ohms, 25V, 70V	50Hz - 20kHz (± 3 dB)	3.50" x 17.00" x 13.50"
MA250	Mixer w/amplifier & rackmount brackets	250W	4ohms, 8ohms, 25V, 70V	50Hz - 20kHz (± 3 dB)	3.50" x 17.00" x 13.50"
PA250A	Power amplifier	250W	4ohms, 8ohms, 25V, 70V	20Hz - 20kHz (± 3 dB)	3.50" x 19.00" x 12.50"

Accessories specific to MA30:

30-HRK	Mounting brackets (only) for MA30 and half-width rack
30-RK	Mounting brackets (only) for MA30 and 19" rack
30-WK	Mounting brackets (only) for MA30 and wall



MA30



MA60



MA1250



MA250



PA250A

MIXER/PRE-AMPLIFIER (MIX2)

The mixer w/pre-amplifier features 6 channels, each with a microphone input at a removable Phoenix connector, and an AUX input at an RCA jack. Channel 7 features switchable AUX inputs (RCA jack "A" or RCA jack "B"). See spec sheets for more information.

Model No.	Outputs			Frequency Response	Chassis
	Main	Line	Tape		
MIX2	Unbalanced parallel RCA jacks 775mV, 280ohms	Balanced 775mV, 600ohms and MIC Output – 7mV, 50ohms	Unbalanced parallel RCA jacks 75mV, 280ohms	20Hz - 20kHz (± 1 dB)	1.80" x 19.00" x 9.88"



MIX2

MONITOR PANEL (MP-2)

Active monitor panel with 12 x 1 selectable visual and aural monitoring has six channels to accept line level inputs (-10dBv to +10dBv) for monitoring amplifiers or other critical points in the signal chain and six channels to accept speaker level inputs (8 ohm or 25/70 volts) for monitoring output of sound reinforcement systems.

Model No.	Inputs 1-6	Inputs 7-12	Chassis
MP-2	Accept line level (-10dBV, 0dBV or +10dBV)	Accept speaker lines (70V, 25V or 8 ohm)	3.50" x 19.00" x 5.50"

- Closeout



MP-2

LINE LEVEL IMPEDANCE MATCHING TRANSFORMER

Universal input impedance matching transformer converts balanced and unbalanced low-Z lines to Hi-Z amplifier signals, Hi-Z to low-Z and attenuates or "steps-down" 70V, 25V or 8 ohm speaker lines to a line level signal suitable for remote amplifier input. Includes a phono jack and level control for unbalanced output.

Model No.	Description	Frequency Response	Power	Insertion Loss
TLM-600A	Universal input impedance matching transformer	50Hz - 20kHz (± 2 dB)	200mW max	1.5dB @ 1kHz



TLM-600



DRIVER W/OPTIONAL TRANSFORMER



12Q250



12P150



8P100



8A50



CT830A



810



8C10MRB



JR410

Model No.	Description	Application	Transformer	Outside Diameter x Mounting Depth	Sensitivity	Frequency Response	Dispersion
12Q250	12" 250W coaxial compression	Pro sound	---	12.28" x 7.60"	100.3dB average SPL @ 1W/1M	60Hz - 19.2kHz (±6dB) 45Hz - 20kHz (±7.2dB)	90° conical @ 2kHz octave (-6dB)
12P150	12" 150W coaxial compression	Pro sound	---	12.02" x 7.13"	96.3dB average SPL @ 1W/1M	40Hz - 20kHz (±6dB)	70° conical @ 2kHz octave (-6dB)
8P100	8" 100W coaxial compression	Pro sound	---	8.25" x 5.40"	92.6dB average SPL @ 1W/1M	45Hz - 20kHz (±6dB)	105° conical @ 2kHz octave (-6dB)
8A50	8" 50W coaxial	Pro sound	---	8.06" x 3.85"	89.6dB average SPL @ 1W/1M	50Hz - 20kHz (±7.5dB)	90° conical @ 2kHz octave (-6dB)
8A50-T870	8" 50W coaxial	Pro sound	70V 8W	8.06" x 6.25"	92.0dB average SPL @ 1W/1M	40Hz - 19.4kHz (±6dB) 40Hz - 20kHz (±7.1dB)	90° conical @ 2kHz octave (-6dB)
8A50-T870-S **	8" 50W coaxial	Pro sound	70V 8W	8.06" x 4.10"	90.6dB average SPL @ 1W/1M	40Hz - 19.0kHz (±6dB) 40Hz - 20kHz (±7.0dB)	90° conical @ 2kHz octave (-6dB)
8A50-TM1670	8" 50W coaxial	Pro sound	70V 16W	8.06" x 6.25"	91.8dB average SPL @ 1W/1M	40Hz - 17.7kHz (±6dB) 40Hz - 20kHz (±9.2dB)	90° conical @ 2kHz octave (-6dB)
8A50-TM1670-S **	8" 50W coaxial	Pro sound	70V 16W	8.06" x 4.10"	90.8dB average SPL @ 1W/1M	40Hz - 17.4kHz (±6dB) 40Hz - 20kHz (±11.4dB)	90° conical @ 2kHz octave (-6dB)
8A50-TS3270	8" 50W coaxial	Pro sound	70V 32W	8.06" x 7.80"	91.1dB average SPL @ 1W/1M	40Hz - 17.5kHz (±6dB) 40Hz - 20kHz (±9.6dB)	90° conical @ 2kHz octave (-6dB)
CT830A	8" 20W coaxial	Music/paging	---	8.06" x 3.20"	97.0dB average SPL @ 1W/1M	57Hz - 14kHz (±6dB) 44Hz - 20kHz (±7.6dB)	80° conical @ 2kHz octave (-6dB)
CT830A-T72	8" 20W coaxial	Music/paging	25/70V 5W	8.06" x 3.20"	97.4dB average SPL @ 1W/1M	57Hz - 13.5kHz (±6dB) 44Hz - 20kHz (±8.4dB)	80° conical @ 2kHz octave (-6dB)
• CT830A-T470	8" 20W coaxial	Music/paging	70V 4W	8.06" x 3.20"	96.7dB average SPL @ 1W/1M	57Hz - 13.3kHz (±6dB) 44Hz - 20kHz (±8.7dB)	80° conical @ 2kHz octave (-6dB)
CT830A-T870	8" 20W coaxial	Music/paging	70V 8W	8.06" x 3.30"	97.1dB average SPL @ 1W/1M	53Hz - 14.3kHz (±6dB) 44Hz - 20kHz (±7.1dB)	80° conical @ 2kHz octave (-6dB)
810	8" 15W dual cone	Music/paging	---	7.63" x 2.84"	97.9dB average SPL @ 1W/1M	54Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.6dB)	95° conical @ 2kHz octave (-6dB)
810-T72	8" 15W dual cone	Music/paging	25/70V 5W	7.63" x 2.84"	97.9dB average SPL @ 1W/1M	51Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.4dB)	95° conical @ 2kHz octave (-6dB)
• 810-T470	8" 15W dual cone	Music/paging	70V 4W	7.63" x 2.84"	97.3dB average SPL @ 1W/1M	51Hz - 11.4kHz (±6dB) 50Hz - 20kHz (±6.7dB)	95° conical @ 2kHz octave (-6dB)
810-T870	8" 15W dual cone	Music/paging	70V 8W	7.63" x 3.00"	97.9dB average SPL @ 1W/1M	50Hz - 11.6kHz (±6dB) 50Hz - 20kHz (±6.4dB)	95° conical @ 2kHz octave (-6dB)
8C10MRB *	8" 15W single cone	Music/paging	---	8.06" x 2.84"	96.7dB average SPL @ 1W/1M	77Hz - 7.5kHz (±6dB) 50Hz - 20kHz (±18.3dB)	90° conical @ 2kHz octave (-6dB)
8C10MRB-T72 *	8" 15W single cone	Music/paging	25/70V 5W	8.06" x 2.84"	96.8dB average SPL @ 1W/1M	75Hz - 7.5kHz (±6dB) 50Hz - 20kHz (±17.8dB)	90° conical @ 2kHz octave (-6dB)
8C10DVCA-2T72	8" 15W single cone	Music/paging	25/70V 5W (2)	8.06" x 2.84"	95.8dB average SPL @ 1W/1M	54Hz - 9kHz (±6dB) 50Hz - 20kHz (±13.4dB)	90° conical @ 2kHz octave (-6dB)
4A30	4" 30W coaxial	Music/paging	---	5.03" x 2.04"	87.8dB average SPL @ 1W/1M	81Hz - 20kHz (±6dB) 50Hz - 20kHz (±8.1dB)	135° conical @ 2kHz octave (-6dB)
JR410	4" 15W single cone	Music/paging	---	5.03" x 2.08"	90.8dB average SPL @ 1W/1M	67Hz - 16kHz (±6dB) 53Hz - 20kHz (±8dB)	170° conical @ 2kHz octave (-6dB)
JR410-T72	4" 15W single cone	Music/paging	25/70V 5W	5.03" x 3.52"	90.8dB average SPL @ 1W/1M	67Hz - 16kHz (±6dB) 57Hz - 20kHz (±7.9dB)	170° conical @ 2kHz octave (-6dB)
• JR410-T470	4" 15W single cone	Music/paging	70V 4W	5.03" x 3.71"	90.2dB average SPL @ 1W/1M	66Hz - 16kHz (±6dB) 57Hz - 20kHz (±7.9dB)	170° conical @ 2kHz octave (-6dB)
JR410-T870	4" 15W single cone	Music/paging	70V 8W	5.03" x 3.90"	91.4dB average SPL @ 1W/1M	75Hz - 15.7kHz (±6dB) 57Hz - 20kHz (±7.4dB)	170° conical @ 2kHz octave (-6dB)

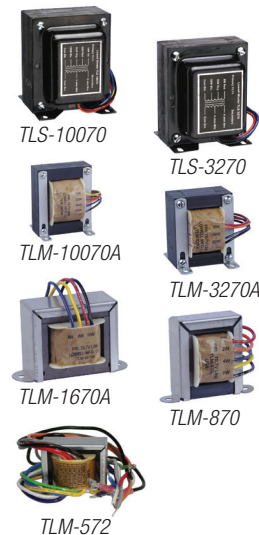
* Moisture-resistant drivers feature a cotton cloth cone treated with phenolic resin, acrylic lacquer coating ** Shallow mount transformer

• Closeout

LINE MATCHING TRANSFORMERS (TLS & TLM SERIES)

Model No.	Primary Voltage	Power Rating	Primary Taps	Secondary Impedance	Frequency Response	Core Size	Insertion Loss
TLS-10070	70V	100W	100, 64, 32, 16W	4, 8 ohms	20Hz - 20kHz (±1dB)	1.375" x 1.75"	0.6dB
TLS-3270	70V	32W	32, 16, 8W	4, 8 ohms	20Hz - 20kHz (±1dB)	1.25" x 1.25"	0.6dB
TLM-10070A	70V	100W	100, 64, 32, 16W	4, 8 ohms	50Hz - 15kHz (±1dB)	1.25" x 1.25"	0.6dB
TLM-3270A	70V	32W	32, 16, 8W	4, 8 ohms	50Hz - 15kHz (±1dB)	1.00" x 1.50"	0.6dB
TLM-1670A *	70V	16W	16, 8, 4W	4, 8 ohms	50Hz - 15kHz (±1dB)	0.875" x 1.25"	0.6dB
TLM-870	70V	8W	8, 4, 2, 1W	4, 8 ohms	50Hz - 15kHz (±1dB)	0.75" x 0.75"	0.8dB
TLM-572	25V/70V	5W	5, 2, 1, 0.5, 0.25W	8 ohms	50Hz - 15kHz (±1dB)	0.5" x 0.5"	<1dB
TLM-25T	25V	4W	4, 2, 1, 0.5W	8 ohms	60Hz - 15kHz (±1dB)	.625" x .625"	0.8dB
TLM-425	25V	4W	4, 2, 1, 0.5W	8 ohms	60Hz - 15kHz (±1dB)	.625" x .625"	0.8dB
TLM-425T	25V	4W	4, 2, 1, 0.5W	8 ohms	60Hz - 15kHz (±1dB)	.625" x .625"	0.8dB
TLM-470T	70V	4W	4, 2, 1, 0.5W	8 ohms	60Hz - 15kHz (±1dB)	.625" x .675"	0.8dB

* Special adapters are available that allow the TLM-1670A to be mounted to Lowell 4" and 8" drivers. Call for information. • Closeout



ENCLOSURES – RECESSED

Enclosures for various drivers. Order driver and grille separately.

Model No.	For Driver	For Grille	Enc. Size	Enc. Depth	Enc. Volume	Material	Finish	Undercoating	Lining	Conduit KO's	Wire KO's	Straps
8PSBX	8" driver	Screw	10.00" dia.	4.00"	0.15 cu.ft.	Plastic	Black	---	---	4	---	---
8XD4	8" driver	Screw	10.00" dia.	4.00"	0.15 cu.ft.	Steel	White	---	foam pad	5	---	---
8XD4-P	8" driver	Screw	10.00" dia.	4.00"	0.15 cu.ft.	Steel	White	---	foam pad	1	---	---
8XD4-S	8" driver	Screw	10.00" dia.	4.00"	0.15 cu.ft.	Steel	White	---	foam pad	5	---	2
BME84 **	8" driver	Either	10.06" dia.	4.06"	0.19 cu.ft.	Steel	Black	---	foam pad	4	4	---
BME87 **	8" driver	Either	10.06" dia.	6.69"	0.31 cu.ft.	Steel	Black	---	foam pad	4	4	---
CP84	8" driver	Screw	12.00" dia.	4.06"	0.27 cu.ft.	Steel	Black	---	foam pad	4	4	---
CP87	8" driver	Screw	12.00" dia.	6.69"	0.44 cu.ft.	Steel	Black	---	1½" batting	4	4	---
CP810	8" driver	Screw	12.00" dia.	10.06"	0.66 cu.ft.	Steel	Black	---	1½" batting	4	4	---
DX108	8" driver	Screw	15.00" dia.	10.50"	1.07 cu.ft.	Steel	Black	---	1½" batting	4	4	2
IX810	8" driver	Torsion	10.06" dia.	10.06"	0.41 cu.ft.	Steel	Black	---	1½" batting	4	4	---
XCP84	8" driver	Either	10.06" dia.	4.06"	0.19 cu.ft.	Steel	Black	---	foam pad	4	4	---
XCP84-S	8" driver	Either	10.06" dia.	4.06"	0.19 cu.ft.	Steel	Black	---	foam pad	4	4	2
XCP87 ^	8" driver	Either	10.06" dia.	6.69"	0.31 cu.ft.	Steel	Black	---	1½" batting	4	4	---
XCP810	8" driver	Either	10.06" dia.	10.06"	0.46 cu.ft.	Steel	Black	---	1½" batting	4	4	---
P68XA	8" driver	Screw	10.00" sq.	4.00"	0.23 cu.ft.	Steel	Galv.	---	foam pad	3	---	---
P68XA-6	8" driver	Screw	10.00" sq.	6.00"	0.35 cu.ft.	Steel	Galv.	---	foam pad	3	---	---
RE1175-T	8" driver	Torsion	11.75" sq.	4.00"	0.32 cu.ft.	Steel	Black	Yes	foam pad	4	---	---
CP4	4" driver	Screw	6.31" dia.	4.00"	0.07 cu.ft.	Steel	Black	Yes	---	4	---	---
DX104 ^	4" driver	Screw	10.00" dia.	6.75"	0.31 cu.ft.	Steel	Black	---	1½" batting	4	4	2
DX104-T ^	4" driver	Torsion	10.00" dia.	6.75"	0.31 cu.ft.	Steel	Black	---	1½" batting	4	4	2
P625X	4" driver	Screw	6.25" sq.	4.00"	0.09 cu.ft.	Steel	Black	Yes	---	4	---	---
XCP-1210	12" driver	Screw	14.38" dia.	10.50" *	0.90 cu.ft.	Steel	Black	---	1½" batting	4	---	---

* Dimensions include rear bracket. ** BME enclosures (for retrofit applications) include a mounting ring. • Closeout

^ UL Listed when used w/speaker assembly on spec sheet. Galv. = galvanized steel





ENCLOSURES – SURFACE-MOUNT

Enclosures for 8" drivers feature a universal mounting pattern in rear for installation to 4"square, 4"octagon, 1-gang or 2-gang electrical box. Choices for side knockouts (for 500 Series wire mold), 0.375" rear hole with grommet for wire access, or 0.875" dia. rear hole for 1/2" conduit access. Order driver and grille separately.

Model No.	For Driver	For Grille	Enc. Size	Enc. Depth	Enc. Volume	Material	Finish	Lining	Side KO's	Rear Access		Vandal-Resistant	Application
										Wire	Conduit		
CB84A	8" driver	Screw	13.00" sq.	4.0"	0.39 cu.ft.	Steel	White	1" batting	Yes	Yes	---	---	Indoor
CB84-SGA	8" driver	Screw	11.50" sq.	4.0"	0.31 cu.ft.	Steel	White	1" batting	Yes	Yes	---	---	Indoor
CB84-SGVPA	8" driver	Screw	11.50" sq.	4.0"	0.31 cu.ft.	Steel	White	1" batting	---	---	Yes	Yes	Indoor
CB84-SGVPO	8" driver	Screw	11.50" sq.	4.0"	0.31 cu.ft.	Galv.	White	1" batting	---	---	Yes	Yes	Indoor/Outdoor
CB86A	8" driver	Screw	13.00 sq.	6.0"	0.59 cu.ft.	Steel	White	1" batting	Yes	Yes	---	---	Indoor
CB86-SGA	8" driver	Screw	11.50 sq.	6.0"	0.46 cu.ft.	Steel	White	1" batting	Yes	Yes	---	---	Indoor
CB86-SGVPA	8" driver	Screw	11.50 sq.	6.0"	0.46 cu.ft.	Steel	White	1" batting	---	---	Yes	Yes	Indoor
CB86-SGVPO	8" driver	Screw	11.50 sq.	6.0"	0.45 cu.ft.	Galv.	White	1" batting	---	---	Yes	Yes	Indoor/Outdoor
CB88	8" driver	Screw	12.50 sq.	8.0"	0.73 cu.ft.	Steel	White	1.5" batting	---	Yes	---	---	Indoor
CB44	4" driver	Screw	7.13" sq.	4.25"	0.13 cu.ft.	Steel	White	foam pad	---	Yes	---	---	Indoor

Galv. = galvanized steel • Closeout

ENCLOSURES – FLOWN

Steel enclosure w/black powder epoxy finish is a rigidly braced fabrication of welded and unitized heavy gauge steel w/damping to eliminate acoustical and mechanical resonance. It's suitable for flown or recessed applications. Includes acoustical fiberboard and 1.5" lining, four 1/4-20 forged eye-bolts, and mounting flange that projects for efficient installation in plaster, poured concrete, sheetrock, or suspended tile ceiling. Order grille and driver separately.

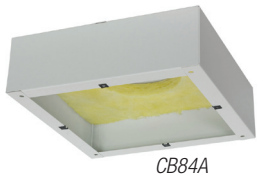
Model No.	For Driver	For Grille	Enc. Size	Enc. Depth	Enc. Volume	Material	Finish
IBOX-2	12" driver	Screw	18.00" x 23.75"	8.06"	2.0 cu.ft.	Steel	Black
IBOX-3	12" driver	Screw	18.00" x 23.75"	12.11"	3.0 cu.ft.	Steel	Black

WALL BAFFLES

Surface-mount ceiling/wall baffle for 8" driver (order separately).

Model No.	Description	Enc. Size	Enc. Depth	Enc. Volume	Material	Grille
BSG-8	Two-way	11.56" sq.	4.25"	0.35 cu.ft.	Steel	Steel
DSQ-8	Square-front	11.50" sq.	4.00"	0.31 cu.ft.	Steel	Steel
DSL-8	Sloped-front	11.30" x 11.50"	5.29" (at top), 3.05" (at base)	0.31 cu.ft.	Steel	Steel

* Particle board w/wood laminate finish, open back.



CB84A



CB84-SGVPA



CB86-SGA



CB86-SGVPO



IBOX-3



BSG-8



DSQ-8



DSL-8

GRILLES—ROUND

Screw-mount and torsion grilles are sized to fit standard EIA speaker drivers. All grilles have a white finish. Order driver and enclosure separately.

Model No.	For Driver	Grille Size	Mtg. Style	Mtg. Projection	Mtg. Bolt Circle	Speaker Mtg. Circle	Material
RS12-AW	12" driver	16.63" dia.	Screw	0.50"	15.47" dia.	11.69" dia.	Aluminum
WB-12	12" driver	17.25" dia.	Screw	0.31"	15.47" dia.	11.63" dia.	Steel
A8-AW	8" driver	12.88" dia.	Screw	0.25"	11.25" dia.	7.69" dia.	Aluminum
CN-8M	8" driver	12.50" dia.	Torsion	0.75"	---	7.63" dia.	Steel
CS-8H	8" driver	12.88" dia.	Screw	0.25"	11.25" dia.	6.88" dia.	Steel
LO8-P	8" driver	12.63" dia.	Screw	0.44"	11.25" dia.	7.63" dia.	Plastic
RS8-AW	8" driver	12.63" dia.	Screw	0.44"	11.25" dia.	7.69" dia.	Aluminum
WB-8	8" driver	12.88" dia.	Screw	0.25"	11.25" dia.	7.69" dia.	Steel
WB-8-6	6.5" driver	12.88" dia.	Screw	0.25"	11.25" dia.	6.13" dia.	Steel
CN-4M	4" driver	8.56" dia.	Torsion	0.63"	---	4.69" dia.	Steel
WB-4	4" driver	7.25" dia.	Screw	0.25"	5.63" dia.	4.69" dia.	Steel
WB-4T	4" driver	7.25" dia.	Torsion	0.25"	---	4.69" dia.	Steel

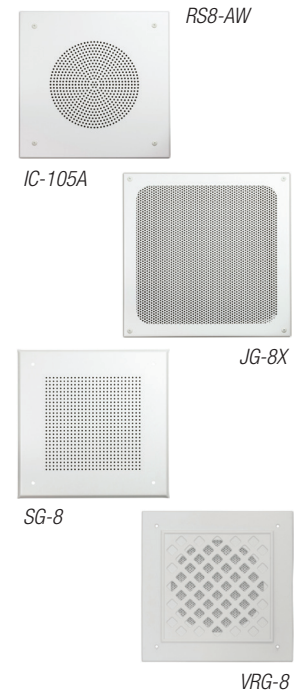
• Closeout



GRILLES—SQUARE

Screw-mount and torsion grilles are sized to fit standard EIA speaker drivers. All grilles have a white finish. Order driver and enclosure separately.

Model No.	For Driver	Grille Size	Mtg. Style	Mtg. Projection	Mtg. Bolt Pattern	Speaker Mtg. Circle	Material	Features
FW-12	12" driver	15.25" sq.	Screw	0.38"	16.60" dia.	11.60" dia.	Steel	Subplate
FW-12Q	12" driver	15.25" sq.	Screw	0.38"	12.98" sq.	11.63" dia.	Steel	Ported subplate
FW-8	8" driver	13.00" sq.	Screw	0.31"	12.80" & 11.25" dia.	7.68" dia.	Steel	Subplate
FW-8T	8" driver	13.00" sq.	Torsion	0.31"	---	7.68" dia.	Steel	Subplate
IC-105A	8" driver	11.44" sq.	Screw	0.13"	9.06" sq.	7.63" dia.	Steel	---
JG-8X	8" driver	12.38" sq.	Screw	0.38"	12.80" & 11.25" dia.	7.68" dia.	Steel	Subplate
SG-8	8" driver	11.44" sq.	Screw	0.13"	9.06" sq.	7.63" dia.	Steel	---
SG-8VP	8" driver	11.44" sq.	Screw	0.13"	9.06" sq.	7.63" dia.	Steel	Vandal-resist
VRG-8	8" driver	11.44" sq.	Screw	0.58"	9.06" sq.	7.63" dia.	Cast aluminum	Vandal-resist
SG-4	4" driver	7.00" sq.	Screw	0.13"	5.48" sq.	4.75" dia.	Steel	---



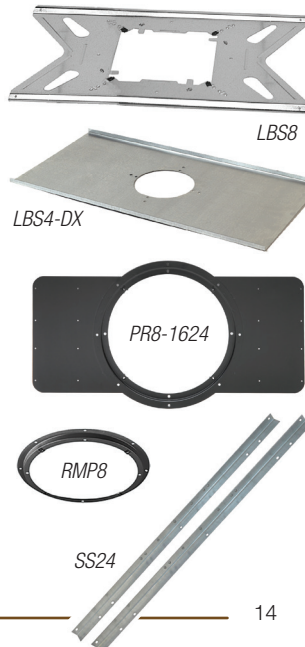
MOUNTING AIDS

Tile-bridges, channel support rails, mounting rings and hardware. *Note: accessories made for a particular product (such as the Unihorn®) may be listed with the associated speaker or horn.*

Model No.	Description	Dimensions	Opening	For Driver	For Grille Type	Enclosure**
LBS8*	Galvanized steel T-bridge	23.75" x 15.50"	8.50" sq.	8" driver	Screw	Optional
LBS8-CP*	Galvanized steel T-bridge	23.75" x 16.25"	12.00" dia.	8" driver	Screw	Required
LBS8-R1*	Galvanized steel T-bridge	23.75" x 15.50"	10.75" dia.	8" driver	Torsion or Screw	Required w/torsion grille
LBS4-DX	Galvanized steel T-bridge	23.75" x 12.13"	6.38" dia.	4" driver	Torsion or Screw	Required
LBS4-R	Galvanized steel T-bridge	23.75" x 12.13"	5.19" dia.	4" driver	Screw	Infinite baffle only †
PR8-1624	Steel rough-in bridge	24.00" x 13.25"	10.75" dia.	8" driver	Torsion or Screw	Required w/torsion grille
PR4	Steel mounting ring	7.34" dia.	5.19" dia.	4" driver	Screw	---
RMP8	Plastic mounting ring	13.81" dia.	10.75" dia.	8" driver	Screw	---
SS24	Galvanized steel channel rails, 23.75"L, 1 pr					
SS30	Galvanized steel channel rails, 30"L, 1 pr					
SS48	Galvanized steel channel rails, 48"L, 1 pr					
SS9	Galvanized steel retrofit brackets, 9.5"L, 1 pr — for P68XA series enclosures					

* The tile-bridge features wire holes for seismic anchoring where required by code. ** Check and follow all local building codes for enclosure requirements.

† The tile-bridge will not accept an enclosure. • Closeout





VOLUME CONTROL W/WALL PLATE

Wide selection of volume controls w/Phoenix-type terminations and 1-gang or 2-gang wall plate. Some models include a priority relay for emergency bypass. Fits standard E.O. box (2.125" min. depth), or P1X surface-mount wall boxes (see page 18).

Model No.	Power Rating	Steps	Priority Relay	Plate Size	Plate Style	Plate Color	For Speaker Line
MONO Autoformer Attenuator w/Rotary Switch:							
10LVC *	10W	3dB	---	1-gang	Standard	Stainless Steel	25/70/100V
25LVC	25W	3dB	---	1-gang	Standard	Stainless Steel	25/70/100V
25LVC-SA	25W	3dB	---	1-gang	Standard	Almond	25/70/100V
25LVC-SW	25W	3dB	---	1-gang	Standard	White	25/70/100V
25LVC-DA	25W	3dB	---	1-gang	Decorator	Almond	25/70/100V
25LVC-DB	25W	3dB	---	1-gang	Decorator	Black	25/70/100V
25LVC-DW	25W	3dB	---	1-gang	Decorator	White	25/70/100V
25LVC-DSB	25W	3dB	---	1-gang	Decorator	Stainless Steel/Black	25/70/100V
25LVC-DSW	25W	3dB	---	1-gang	Decorator	Stainless Steel/White	25/70/100V
50LVC	50W	3dB	---	1-gang	Standard	Stainless Steel	25/70/100V
50LVC-SA	50W	3dB	---	1-gang	Standard	Almond	25/70/100V
50LVC-SW	50W	3dB	---	1-gang	Standard	White	25/70/100V
50LVC-DA	50W	3dB	---	1-gang	Decorator	Almond	25/70/100V
50LVC-DB	50W	3dB	---	1-gang	Decorator	Black	25/70/100V
50LVC-DW	50W	3dB	---	1-gang	Decorator	White	25/70/100V
100LVC	100W	3dB	---	1-gang	Standard	Stainless Steel	25/70/100V
100LVC-SA	100W	3dB	---	1-gang	Standard	Almond	25/70/100V
100LVC-SW	100W	3dB	---	1-gang	Standard	White	25/70/100V
100LVC-DA	100W	3dB	---	1-gang	Decorator	Almond	25/70/100V
100LVC-DB	100W	3dB	---	1-gang	Decorator	Black	25/70/100V
100LVC-DW	100W	3dB	---	1-gang	Decorator	White	25/70/100V
100LVC-DSB	100W	3dB	---	1-gang	Decorator	Stainless Steel/Black	25/70/100V
100LVC-DSW	100W	3dB	---	1-gang	Decorator	Stainless Steel/White	25/70/100V
100LVC-PA	100W	3dB	Yes	1-gang	Standard	Stainless Steel	25/70/100V
100LVC-PA-SW	100W	3dB	Yes	1-gang	Standard	White	25/70/100V
100LVC-PA-DA	100W	3dB	Yes	1-gang	Decorator	Almond	25/70/100V
100LVC-PA-DB	100W	3dB	Yes	1-gang	Decorator	Black	25/70/100V
100LVC-PA-DW	100W	3dB	Yes	1-gang	Decorator	White	25/70/100V
10015LVC	100W	1.5dB	---	1-gang	Standard	Stainless Steel	25/70/100V
10015LVC-SW	100W	1.5dB	---	1-gang	Standard	White	25/70/100V
10015LVC-DA	100W	1.5dB	---	1-gang	Decorator	Almond	25/70/100V
10015LVC-DB	100W	1.5dB	---	1-gang	Decorator	Black	25/70/100V
10015LVC-DW	100W	1.5dB	---	1-gang	Decorator	White	25/70/100V
200LVC	200W	3dB	---	2-gang	Standard	Stainless Steel	25/70/100V
200LVC-DSB	200W	3dB	---	2-gang	Decorator	Stainless Steel/Black	25/70/100V

MONO Autoformer Attenuator w/Key Switch:

KL100-DB	100W	3dB	---	1-gang	Decorator	Black	25/70/100V
KL100-DI	100W	3dB	---	1-gang	Decorator	Ivory	25/70/100V
KL100-DW	100W	3dB	---	1-gang	Decorator	White	25/70/100V
KL100-DSB	100W	3dB	---	1-gang	Decorator	Stainless Steel/Black	25/70/100V
KL100-DSW	100W	3dB	---	1-gang	Decorator	Stainless Steel/White	25/70/100V
KL100-PA-DSB	100W	3dB	Yes	1-gang	Decorator	Stainless Steel/Black	25/70/100V
KL100-PA-DSW	100W	3dB	Yes	1-gang	Decorator	Stainless Steel/White	25/70/100V
KL200-DSB	200W	3dB	---	2-gang	Decorator	Stainless Steel/Black	25/70/100V

* Model 10LVC is not third-party listed.



25LVC-SA



100LVC



50LVC-SW



KL100-DB



50LVC-DB



100LVC-DW



KL100-PA-DSW



10015LVC-DA



KL100-DI



KL200-DSB

Model No.	Power Rating	Steps	Priority Relay	Plate Size	Plate Style	Plate Color	For Speaker Line
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ADA COMPLIANT MONO Autoformer Attenuator w/Sliding Bar Switch:

SVC100-PA-DW	100W	3dB	Yes	1-gang	Decorator	White	25/70/100V
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STEREO Autoformer Attenuator w/Rotary Switch:

150LVCS	150W	3dB	---	2-gang	Standard	Stainless Steel	70/100V
150LVCS-DSB	150W	3dB	---	2-gang	Decorator	Stainless Steel/Black	70/100V

MONO Potentiometer w/Rotary Switch:

Model No.	Resistance	Steps	Priority Relay	Plate Size	Plate Style	Plate Color	For
LV-50S*	50 ohm	Continuous	---	1-gang	Standard	Stainless Steel	Voice coil
LV-5K*	5k ohm	Continuous	---	1-gang	Standard	Stainless Steel	25/70/100V (Speaker Line)
10KLVC-DA	10k ohm	Continuous	---	1-gang	Decorator	Almond	VCA/Audio circuit
10KLVC-DB	10k ohm	Continuous	---	1-gang	Decorator	Black	VCA/Audio circuit
10KLVC-DW	10k ohm	Continuous	---	1-gang	Decorator	White	VCA/Audio circuit
10KLVC-DSW	10k ohm	Continuous	---	1-gang	Decorator	Stainless Steel/White	VCA/Audio circuit

MONO L-Pad w/Rotary Switch:

LPD-1500S*	1500 ohm	Continuous	---	1-gang	Standard	Stainless Steel	Audio line
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Accessories:

KL-ANP2	2-gang adaptor plate for 1-gang key lock controls. For surface-mount installation use P1X-2 wall box (see page 18).						
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* Pigtail leads



SVC100-PA-DW



LV-50S

VOLUME CONTROL FOR STEREO IMPEDANCE MATCHING

Impedance matching home stereo volume controls with decorator style wall plate can be used to connect multiple pairs of stereo speakers safely to a home stereo amplifier (or home stereo receiver/amplifier). Each pair of speakers must be wired to a separate home stereo volume control. Imported.

Model No.	Power Rating	Steps	Priority Relay	Plate Size	Plate Style	Plate Color	For Speaker
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STEREO Autoformer Attenuator w/Rotary Switch:

VCS8-DA	50W / Channel	3dB	---	1-gang	Decorator	Almond	8ohm or 4ohm
VCS8-DW	50W / Channel	3dB	---	1-gang	Decorator	White	8ohm or 4ohm



VCS8-DA



VCS8-DW

VOLUME CONTROL FOR RACKMOUNT PANEL OR CUSTOM INSTALL

Volume controls can be mounted to a rackmount panel (ordered separately) or used for custom applications.

Model No.	Power Rating	Steps	Priority Relay	Style	Termination	For Speaker Line
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MONO Autoformer Attenuator w/Rotary Switch:

25LVC-RM	25W	3dB	---	Adhesive Dial	Phoenix	25/70/100V
50LVC-RM	50W	3dB	---	Adhesive Dial	Phoenix	25/70/100V
100LVC-RM	100W	3dB	---	Adhesive Dial	Phoenix	25/70/100V
100LVC-PA-RM	100W	3dB	Yes	Adhesive Dial	Phoenix	25/70/100V
10015LVC-RM	100W	1.5dB	---	Adhesive Dial	Phoenix	25/70/100V
200LVC-RM*	200W	3dB	---	Adhesive Dial	Phoenix	25/70/100V
200LVC-RMDB*	200W	3dB	---	Decorator Subplate	Phoenix	25/70/100V

MONO Potentiometer w/Rotary Switch:

Model No.	Resistance	Steps	Priority Relay	Style	Termination	For
10KLVC-RM	10k ohm	continuous	---	Adhesive Dial	Phoenix	VCA/audio circuit
LV-50S-RM	50 ohm	continuous	---	Adhesive Dial	Pigtail Leads	Voice coil

*Wider than std. 1-gang, see specs.



100LVC-RM



LV-50S-RM



PROGRAM SELECTOR SWITCH (CS6 SERIES) AND SELECTOR SWITCH W/VOLUME CONTROL (CS650 SERIES)

Six (6) source program selector switch w/1-gang wall plate, or combination selector switch/volume control w/2-gang wall plate.



CS6-SS CS6-DW



CS650-DW



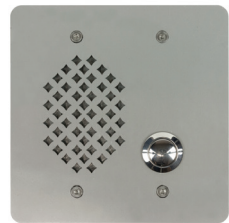
CS10



CSV CSVM



VRI-2G-45



VRIC-2G



S1 WP12

Model No.	Description	Plate Size	Plate Style	Plate Color	Switch	Volume Control Rating
CS6-SS	Program selector switch	1-gang	Standard	Stainless Steel	Rotary knob	---
CS6-DW	Program selector switch	1-gang	Decorator	White	Rotary knob	---
CS6-DSB	Program selector switch	1-gang	Decorator	Stainless Steel/Black	Rotary knob	---
CS6-DSW	Program selector switch	1-gang	Decorator	Stainless Steel/White	Rotary knob	---
CS650-SS	Program selector switch w/Volume Control	2-gang	Standard	Stainless Steel	Rotary knobs	50W 3dB
CS650-DW	Program selector switch w/Volume Control	2-gang	Decorator	White	Rotary knobs	50W 3dB

CALL SWITCH (CS10) OR VANDAL-RESISTANT CALL SWITCH (CSV SERIES)

Call switches for intercom systems – general purpose signaling and switching. Standard SPST call switch w/1-gang stainless steel wall plate features a black rocker switch and "PRESS TO CALL" lettering. Vandal-resistant call switches feature heavy duty (11-gauge) stainless steel wall plates w/brushed finish, vandal-resistant screws w/driver bit, and standard or oversized push button switch.

Model No.	Wall Plate	Size	Call Switch	Connections	Vandal-Resistant	Rating
CS10	Stainless Steel	1-gang	Rocker (black)	Screw Terminal	---	24VDC 500mA
CSV	Heavy-Duty Stainless Steel	1-gang	Std. Button (silver)	Screw Terminal	Yes	48VDC 2A
CSVM	Heavy-Duty Stainless Steel	1-gang	Oversized Button (red)	Pigtails	Yes	48VDC 2A

VANDAL-RESISTANT INTERCOM STATION (VRI SERIES) AND INTERCOM STATION W/CALL SWITCH (VRIC SERIES)

Intercom stations feature heavy duty (11-gauge) stainless steel wall plates w/brushed finish, vandal-resistant screws w/driver bit, and internal offset baffles for a high degree of security in lobbies, warehouses and similar areas. Includes 45ohm 6W moisture-resistant speaker (optional transformer) for clear one- or two-way communication. Optional 11-gauge steel wall box (2-gang) w/Granite finish and protective overhanging hood.

Model No.	Material	Plate Size	Speaker	Transformer	Call Switch	Connections
VRI-2G-45	Heavy-Duty Stainless Steel	2-gang	45ohm	---	---	Pigtail Leads
VRI-2G-4525	Heavy-Duty Stainless Steel	2-gang	45ohm	25V	---	Pigtail Leads
VRI-3G-45	Heavy-Duty Stainless Steel	3-gang	45ohm	---	---	Pigtail Leads
VRI-3G-4525	Heavy-Duty Stainless Steel	3-gang	45ohm	25V	---	Pigtail Leads
VRIC-2G-4525	Heavy-Duty Stainless Steel	2-gang	45ohm	25V	Std. Button	Pigtail Leads
VRIC-3G-4525	Heavy-Duty Stainless Steel	3-gang	45ohm	25V	Std. Button	Pigtail Leads

Accessories specific to this series:

PHB-2	Protective hooded box for VRI and VRIC series, heavy-duty steel, 2-gang
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WALL PLATES

Blank and punched stainless steel wall plates, and plates w/mounted connectors.

Model No.	Description	Size	Material	Type of Punch	Mounted Connector
S1	Blank plate	1-gang	Stainless Steel	---	---
S2	Blank plate	2-gang	Stainless Steel	---	---
ANP-1	Punched plate	1-gang	Stainless Steel	VC	---
ANP-2	Punched plate	2-gang	Stainless Steel	VC	---
MCP-14	Punched plate	1-gang	Stainless Steel	3/8" hole	---
WP11	Punched plate	1-gang	Stainless Steel	Connector	---
WP12	Punched plate	1-gang	Stainless Steel	Connector (2)	---
WP1-NC3FD	Loaded plate	1-gang	Stainless Steel	Connector	NC3FDL
WP1-2NC3FD	Loaded plate	1-gang	Stainless Steel	Connector (2)	NC3FDL (2)
WP1-NC3MD	Loaded plate	1-gang	Stainless Steel	Connector	NC3MDL
WP1-2NC3MD	Loaded plate	1-gang	Stainless Steel	Connector (2)	NC3MDL (2)
MCP1-C3M	Loaded plate	1-gang	Stainless Steel	Connector	C3M (1)

• Closeout

SURFACE-MOUNT WALL BOX (P1X SERIES)

Surface-mount 20-gauge steel wall box w/white finish features 1/2" knockouts and U-clips. Model PIX and P1X-2 fit standard devices. Model P1X-3 features non-standard mounting centers and is designed for use with Lowell 3-gang devices only.

Model No.	Material	Finish	Plate Size	Height	Width	Depth
P1X	Steel	White	1-gang	4.625"	2.875"	2.5"
P1X-2	Steel	White	2-gang	4.625"	4.625"	2.5"
P1X-3	Steel	White	3-gang	4.625"	6.437"	2.5"



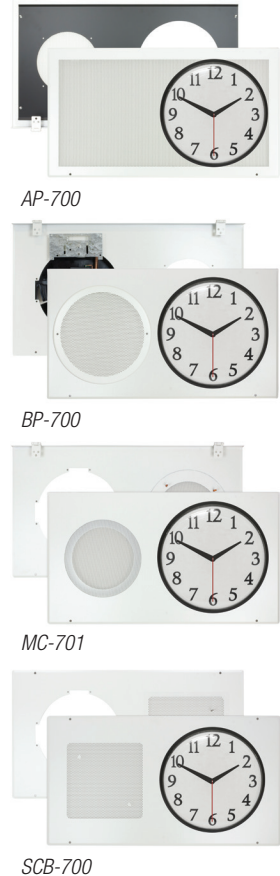
CENTERS FOR SPEAKER & ANALOG CLOCK (CLOCK & SPEAKER NOT INCLUDED)

Assembly is designed to accept an 8" speaker and 12" analog clock. Order speaker and backbox separately. Order clock from clock manufacturer.

Model No.	Description	Dimensions	Mounting Style
AP-300	Full perforation grille w/subplate, two-piece assembly, white finish	27.25" x 17.00" x 1.06"	Recessed
AP-700	Full perforation grille w/subplate, two-piece assembly, white finish	26.00" x 14.50" x 0.75"	Surface-mount
BP-300	Panel w/detachable round bezel grille, white finish	27.25" x 17.00" x 1.06"	Recessed
BP-700	Panel w/detachable round bezel grille, white finish	26.00" x 14.50" x 0.75"	Surface-mount
MC-301	Panel w/round perforated grille, one-piece construction, white finish	27.25" x 17.00" x 1.06"	Recessed
MC-701	Panel w/round perforated grille, one-piece construction, white finish	26.00" x 14.50" x 0.75"	Surface-mount
SCB-300	Panel w/square perforated grille, one-piece construction, white finish	27.25" x 17.00" x 0.13"	Recessed
SCB-700	Panel w/square perforated grille, one-piece construction, white finish	26.00" x 14.50" x 0.13"	Surface-mount

Accessories specific to this series:

Model No.	Description	Dimensions	Mounting Style
PC-312	Steel backbox w/two sections, black finish	26.00" x 16.00" x 3.00"	Recessed
PC-712	Steel backbox w/two sections, white finish	26.00" x 14.50" x 4.00"	Surface-mount



MODULAR CENTERS (CTC SERIES) (COMPONENTS NOT INCLUDED)

Assembly is made to organize an 8" speaker, analog or digital clock, and assorted devices by allowing you to choose a different module for each of 5 sections. A custom model number will be issued based on your configuration. View modules online at www.lowellmfg.com. Order all components separately.

Model No.	Description	Dimensions	Mounting Style
CTC- (partial no.)	Grille w/frame, features five module sections for custom configuration	18.85" x 39.13"	Recessed or surface

Accessories specific to this series:

Model No.	Description	Dimensions	Mounting Style
CTC-BXR	Steel backbox w/vertical channels for wire management, white finish	15.60" x 37.00" x 3.00"	Recessed
CTC-BXS	Steel backbox w/vertical channels for wire management, white finish	18.85" x 39.13" x 3.06"	Surface-mount

CENTERS FOR SPEAKER & DIGITAL CLOCK (CLOCK & SPEAKER NOT INCLUDED)

Assembly is designed to accept an 8" speaker and digital clock. Order backbox and speaker separately. Order clock from clock manufacturer.

Model No.	Description	For Digital Clock (Order from Clock Manufacturer)	Dimensions	Mounting Style
DC802-DD3	Grille w/frame, white finish	Dukane 24D20A Dukane 24D20	12.69" x 12.69" x 0.125"	Recessed or surface
DC802-DF	Grille w/frame, white finish	Faraday 2363-24	12.69" x 12.69" x 0.125"	Recessed or surface
DC802-DR2	Grille w/frame, white finish	Rauland 2520	12.69" x 12.69" x 0.125"	Recessed or surface
DC802-SAP1	Grille w/frame, white finish	Sapling SBD 2.5" 4 Digits Sapling SBP 2.5" 4 Digits	12.69" x 12.69" x 0.125"	Recessed or surface

Accessories specific to this series:

Model No.	Description	Dimensions	Mounting Style
RE1175	Steel backbox, black finish	11.75" x 11.76" x 4.00"	Recessed
SE1275	Steel backbox, white finish	12.75" x 12.75" x 4.00"	Surface-mount



CTC Series



DC802 Series
(clock not included)



4" 15W Single Cone Driver + Grille	4	100LVC-PA-DW	15	CP84	12	ES-62T	2
8" 15W Driver + Vandal-Resistant Grille	3	100LVC-PA-RM	16	CP87	12	ES-82CDT	2
8" 15W Dual Cone Driver + Grille	3	100LVC-PA-SW	15	CP810	12	ES-82T	2
8" 20W Coaxial Driver + Grille	3	100LVC-RM	16	CS6-DSB	17	ESP-6-BRKTB	1
8" 50W Coaxial Driver + Grille		100LVC-SA	15	CS6-DSW	17	ESP-6-BRKTW	1
for General Signaling	3	100LVC-SW	15	CS6-DW	17	ESP-6-PG	1
8A50	11	150LVCS	16	CS6 Series	17	ESP-8-BRKTB	1
8A50-T870	11	150LVCS-DSB	16	CS6-SS	17	ESP-8-BRKTW	1
8A50-T870-S	11	200LVC	15	CS-8H	14	ESP-8-PG	1
8A50-TM1670	11	200LVC-DSB	15	CS10	17	ESP-62TB	1
8A50-TM1670-S	11	200LVC-RM	16	CS650-DW	17	ESP-62TW	1
8A50-TS3270	11	200LVC-RMDB	16	CS650 Series	17	ESP-82CTB	1
8C10DVCA-2T72	11	810	11	CS650-SS	17	ESP-82CTW	1
8C10MRB	11	810-T72	11	CSV	17	ESP-82TB	1
8C10MRB-T72	11	810-T470	11	CSVM	17	ESP-82TW	1
8P100	11	810-T870	11	CSV Series	17	ESP-CBL	1
8PSBX	12	10015LVC	15	CT830A	11	ESP Series	1
8" Speaker w/Beam Clamp	4	10015LVC-DA	15	CT830A-T72	11	ES Series	2
8" Surface-Mount Speaker	7	10015LVC-DB	15	CT830A-T470	11		
8XD4	12	10015LVC-DW	15	CT830A-T870	11		
8XD4-P	12	10015LVC-RM	16	CTC-BXR	18	FW-8	14
8XD4-S	12	10015LVC-SW	15	CTC-BXS	18	FW-8T	14
10KLVC-DA	16	A		CTC- (partial no.)	18	FW-12	14
10KLVC-DB	16	A8-AW	14	CTC Series	8	FW-12Q	14
10KLVC-DSW	16	ADA Compliant MONO		D		G	
10KLVC-DW	16	Autoformer Attenuator	16	D1410-72	4	Grilles	14
10KLVC-RM	16	Amplifiers & Electronics	10	D3410-72	4	Grilles — Round	14
10LVC	15	ANP-1	17	D6410-72	4	Grilles — Square	14
12P150	11	ANP-2	17	DC802-DD3	18	H	
12Q250	11	AP-300	18	DC802-DF	18	Horns	8
25LVC	15	AP-700	18	DC802-DR2	18	I	
25LVC-DA	15	B		DC802-SAP1	18	IBOX-2	13
25LVC-DB	15	BC810-72	4	Double Re-Entrant Horn	8	IBOX-3	13
25LVC-DSB	15	BME84	12	Drivers	11	IC-105A	14
25LVC-DSW	15	BME87	12	Driver w/Optional Transformer	11	IM8A-TS32-2SW	4
25LVC-DW	15	BP-300	18	D Series	4	IM8P-TS100-2SW	4
25LVC-RM	16	BP-700	18	DSL-8	13	IM12P-TS100-3SW	4
25LVC-SA	15	BSG-8	13	DSL-805-72	7	IM12Q-TS100-3SW	4
25LVC-SW	15	C		DSL-805-72K	7	iMount® Speaker	
30-HRK	10	C1830-870	3	DSL/DSQ Series	7	w/Rectangular Enclosure	4
30-RK	10	Call Switch	17	DSQ-8	13	Impedance Matching Transformer	10
30-WK	10	CB44	13	DSQ-805-72	7	IM Series	4
50LVC	15	CB84A	13	DX104	12	In-Ceiling Speakers	2, 3
50LVC-DA	15	CB84A	13	DX104-T	12	Indoor/Outdoor Surface-Mount Speaker	7
50LVC-DB	15	CB84-SGA	13	DX108	12	Intercom Station w/Call Switch	17
50LVC-DW	15	CB84-SGVA	13	E		IX810	12
50LVC-RM	16	CB84-SGVPA	13	Enclosures	12, 13	J	
50LVC-SA	15	CB84-SGVPO	13	Enclosures — Flown	13	JG-8X	14
50LVC-SW	15	CB86A	13	Enclosures — Recessed	12	JR410	11
100LVC	15	CB86-SGA	13	Enclosures — Surface-Mount	13	JR410-T72	11
100LVC-DA	15	CB86-SGVA	13	ES-4-RIB	2	JR410-T470	11
100LVC-DB	15	CB86-SGVPO	13	ES-4-RTR	2	JR410-T870	11
100LVC-DSB	15	CB88	13	ES-4T	2	K	
100LVC-DSW	15	Clock Centers for Speaker & Analog Clock	18	ES-6-RIB	2	KL100-DB	15
100LVC-DW	15	Clock Centers for Speaker & Digital Clock	18	ES-6-RTR	2	KL100-DI	15
100LVC-PA	15	Clock Centers	18	ES-8-RIB	2	KL100-DSB	15
100LVC-PA-DA	15	CN-4M	14	ES-8TSUB	2		
100LVC-PA-DB	15	CN-8M	14	ES-52T	2		
		CP4	12				

KL100-DSW	15	M		R1810-72K	3	Transformers (Line Matching)	12
KL100-DW	15	MA30	10	R1810-72S	3	U	
KL100-PA-DSB	15	MA30-RK	10	R7810-72	3	Unihorn® + Vandal-Resistant Grille	8
KL100-PA-DSW	15	MA30-WK	10	R7810-72K	3	Unihorn® General Signaling	8
KL200-DSB	15	MA60	10	RE1175	18	V	
KL-ANP2	16	MA125	10	RE1175-T	12	Vandal-Resistant Call Switch	17
L		MA250	10	RMP8	14	Vandal-Resistant Intercom Station	17
Lay-In Tile Ceiling speakers	5	MA Series	10	RPAK-810-425	3	VCS8-DA	16
LBS4-DX	14	MC-301	18	RPAK-810-72	3	VCS8-DW	16
LBS4-R	14	MC-701	18	RS8-AW	14	Volume Control for Rackmount Panel or Custom Install	16
LBS8	14	MCP-14	17	RS12-AW	14	Volume Control for Stereo Impedance Matching	16
LBS8-CP	14	MCP1-C3M	17	R Series	3	Volume Controls	15
LBS8-R1	14	MIX2	10	S		Volume Control w/Wall Plate	15
LH-15TA	8	Mixer/Amplifier	10	S1	17	VRG-8	14
LH-30TA	8	Mixer/Pre-Amplifier	10	S2	17	VRG-8C10MRB-72	3
LHA-15C	8	Modular Centers	18	SCB-300	18	VRG-810-72	3
LHA-15G	8	Monitor Panel	10	SCB-700	18	VRG-LUH15TX	8
LHA-30C	8	MONO Autoformer Attenuator w/Key Switch	15	SE1275	18	VRG Series	3
LHA-30G	8	MONO L-Pad w/Rotary Switch	16	Selector Switch w/Volume Control	17	VRI-2G-45	17
LH Series	8	MONO Potentiometer w/Rotary Switch	16	SG-4	14	VRI-2G-4525	17
Line Matching Transformers	12	Mounting Aids	14	SG-8	14	VRI-3G-45	17
LO8-P	14	MP-2	10	SG-8VP	14	VRI-3G-4525	17
LPD-1500S	16	O		SM410A	9	VRI-3G-4525	17
LT2-8A-T870-Vb	6	ONO Autoformer Attenuator w/Rotary Switch	15	SM410A-BR	9	VRIC-2G-4525	17
LT2-8A-TM32-Vb	6	Open Architecture Speakers	4	SM805A	9	VRIC-3G-4525	17
LT2-8A-Vb	6	OS-50TB	7	SM810A	9	VRI Series	17
LT2-810-425-BB	6	OS-50TW	7	SM810AW	9	W	
LT2-810-72-BB	6	OS-100TB	7	SM820A	9	Wall Baffles	13
LT2-810-72-BB-VC	6	OS-100TW	7	SM820A-BR	9	Wall Boxes	18
LT2-810-BB	6	OS-150TB	7	SM-BR	9	Wall Plates	17
LT2-830-T870-Vb	6	OS-150TW	7	SMG-2	9	WB-4	14
LT2-830-TM16-Vb	6	OS-BRKT-B	7	SM Series	9	WB4-4A30-T870	4
LT2 Series	6	OS-BRKT-W	7	Sound Masking Generator	9	WB-4T	14
LT-6A-T870-Vb	5	OS Series	7	Sound masking speakers	9	WB4T-4A30-T870	4
LT-6A-TM16-Vb	5	P		SS9	14	WB-8	14
LT-8A-T870-Vb	5	P1X	18	SS24	14	WB-8-6	14
LT-8A-Vb	5	P1X-2	18	SS30	14	WB8-8A50-T870	3
LT-410-72-BB	5	P1X-3	18	SS48	14	WB-12	14
LT-810	5	P1X Series	18	Surface-Mount Speakers	7	WP1-2NC3FD	17
LT-810-425-BB	5	P68XA	12	Surface-Mount Wall Box	18	WP1-2NC3MD	17
LT-810-72	5	P68XA-6	12	SVC100-PA-DW	16	WP1-NC3FD	17
LT-810-72-BB	5	P625X	12	T		WP1-NC3MD	17
LT-810-72-BB-VC	5	P875X-6	12	TLM-25T	12	WP11	17
LT-810-BB	5	PA250A	10	TLM-425	12	WP12	17
LT-830-870-BB	5	PC-312	18	TLM-425T	12	X	
LT-830-BB	5	PC-712	18	TLM-470T	12	XCP84	12
LT Series	5	Pendant Speakers	1	TLM-572	12	XCP84-S	12
LUH-15TA	8	PHB-2	17	TLM-600A	10	XCP87	12
LUH-15TX	8	Power Amplifier	10	TLM-870	12	XCP810	12
LUH-BOX	8	PR4	14	TLM-1670A	12	XCP-1210	12
LUH-BOX-INT	8	PR8-1624	14	TLM-3270A	12		
LUH-BRKT	8	Program Selector Switch	17	TLM-10070A	12		
LUH-RIB	8	R		TLM Series	12		
LUH-TBAR	8	R1810-425	3	TLS-3270	12		
LUH-TP	8	R1810-72	3	TLS-10070	12		
LUH-VRG	8			TLS & TLM Series	12		
LV-5K	16			Transformers (Impedance Matching)	10		
LV-50S	16						
LV-50S-RM	16						

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