

R-Series Speakers

8-inch Driver + Grille Assembly + Transformer (optional)

INCLUDES:

Driver:	8-inch 15W dual cone
Grille:	11.44-inch (square), or 12.875-inch (round) – <i>model dependent</i>
Transformer:	25V 4W, or 25V/70V 5W – <i>model dependent</i>

THE R-SERIES SPEAKER ASSEMBLY is an excellent choice for general paging and distributed music where the installed cost of the loudspeaker is of prime consideration, and is designed to provide consistent performance with clear intelligibility and wide dispersion. The assembly includes an 8-inch driver, factory-mounted steel grille, and optional factory-wired transformer. A step up in full range performance from commercial industry stranded, the speaker delivers smooth extended frequency response and a clean, natural sound. Assembled in the USA with certified US steel and global components. Ships ready-to-install.

FEATURES

DRIVER (810): 8-inch 15W dual cone driver with 10 oz. ceramic magnet, 3/4-inch hard fiber whizzer cone, 1-inch voice coil, and 20-gauge steel frame with zinc-plated finish.

- Driver weight: 2.0 lbs.

TRANSFORMER (model dependent, see pg. 2 series chart):

- 25V/70V dual voltage transformer with primary taps at 0.25, 0.5, 1, 2 and 5W
- 25V transformer with primary taps at 0.5, 1, 2, 4W

GRILLE (model dependent, see pg. 2 series chart): Certified US steel, screw-mount grilles with white powder coat finish. Install to optional enclosure and tile bridge with four white screws (provided).

- Round: 12.875-inch diameter
- Square: 11.44-inch
- Volume Control: knob or screwdriver-adjustable

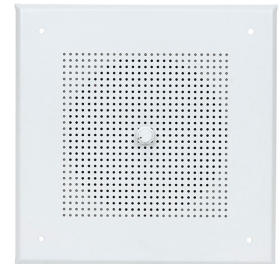
A&E SPECIFICATIONS

The speaker assembly shall be Lowell model R_____, which shall include an 8" dual cone driver, wired transformer and steel screw-mount grille. The driver shall have a 15 watt RMS power rating and employ a 10 oz. ceramic magnet and molded high fiber cone. The driver's frequency response shall be 54Hz-11.6kHz (± 6 dB); 50Hz-20kHz (± 6 dB) with sensitivity of 97.9 dB avg. measured 1W/1M. The steel grille with white powder coat finish shall be factory-mounted to the driver. Assembled in the USA with certified US steel and global components.

OPTIONAL: The assembly shall include a wired transformer featuring _____ V and primary taps at _____ W.



Grille for R1810 Models



*Grille for R7810 Models
with volume control knob*



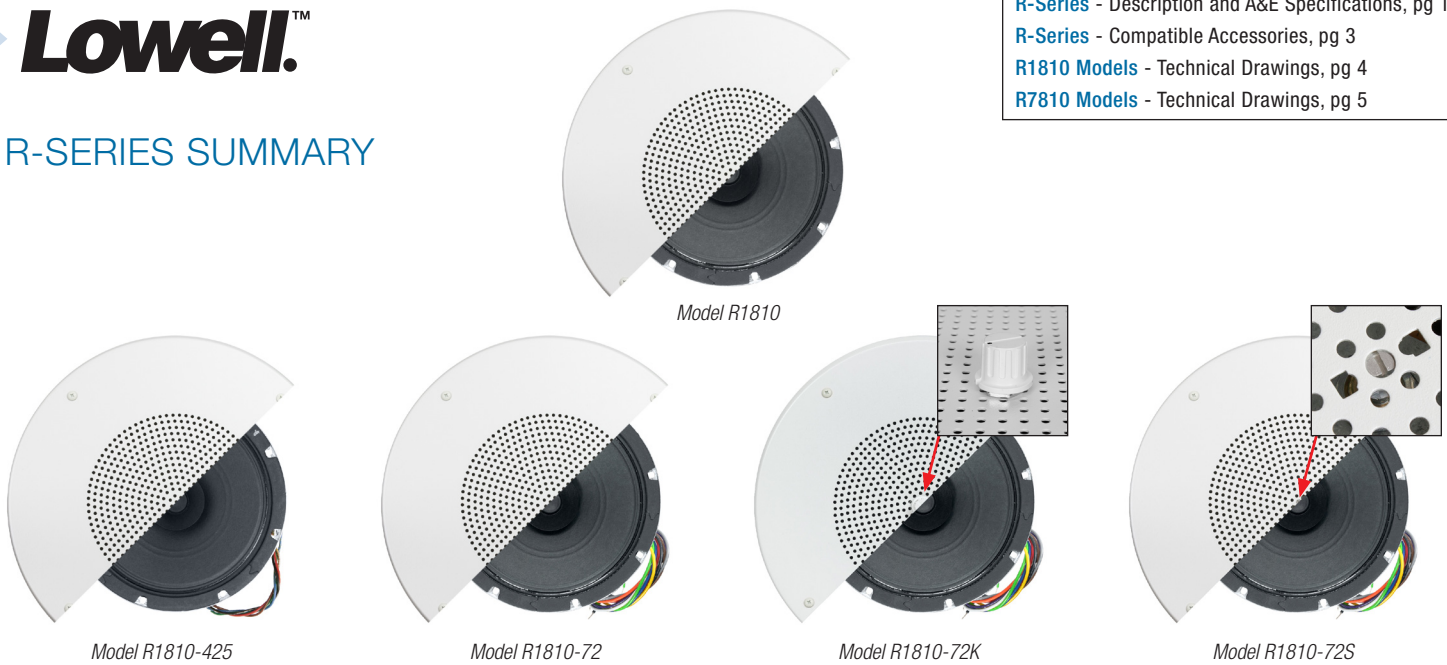
Certified
US Steel
Grille



Assembled
in USA
with Global
Components



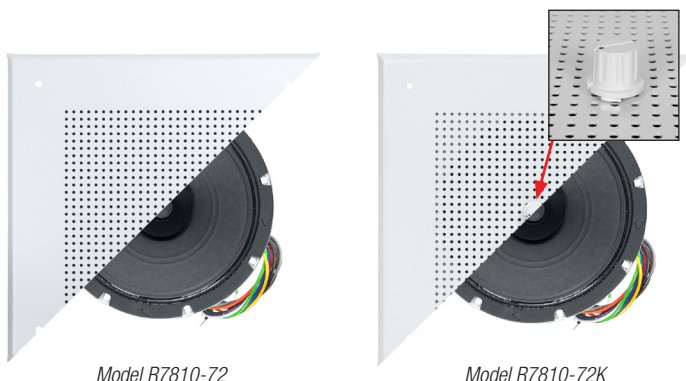
R-SERIES SUMMARY



ASSEMBLY SPECIFICATIONS						DRIVER SPECIFICATIONS * (measured half space)		
Model No.	Driver	Transformer	Transformer Taps	Screw-Mount Grille	Volume Control	Sensitivity	Frequency Response	Dispersion Angle
R1810	8" 15W Dual Cone	---	---	12.875-in. dia.	---	97.9 dB average SPL @1W/1M	54Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.6dB)	95° conical @2kHz octave (-6dB)
R1810-425	8" 15W Dual Cone	25V	0.5, 1, 2, 4W	12.875-in. dia.	---	97.9 dB average SPL @1W/1M	54Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.6dB)	95° conical @2kHz octave (-6dB)
R1810-72	8" 15W Dual Cone	25V/70V	0.25, .5, 1, 2, 5W	12.875-in. dia.	---	97.9 dB average SPL @1W/1M	54Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.6dB)	95° conical @2kHz octave (-6dB)
R1810-72K	8" 15W Dual Cone	25V/70V	0.25, .5, 1, 2, 5W	12.875-in. dia.	Knob	97.9 dB average SPL @1W/1M	54Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.6dB)	95° conical @2kHz octave (-6dB)
R1810-72S	8" 15W Dual Cone	25V/70V	0.25, .5, 1, 2, 5W	12.875-in. dia.	Screwdriver-adjustable	97.9 dB average SPL @1W/1M	54Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.6dB)	95° conical @2kHz octave (-6dB)
R7810-72	8" 15W Dual Cone	25V/70V	0.25, .5, 1, 2, 5W	11.44-in. sq.	---	97.9 dB average SPL @1W/1M	54Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.6dB)	95° conical @2kHz octave (-6dB)
R7810-72K	8" 15W Dual Cone	25V/70V	0.25, .5, 1, 2, 5W	11.44-in. sq.	Knob	97.9 dB average SPL @1W/1M	54Hz-11.6kHz (±6dB) 50Hz-20kHz (±6.6dB)	95° conical @2kHz octave (-6dB)

* Find additional technical information for the 8" 15W Dual Cone Driver on the spec sheet for driver Model 810.

NOTE ON SPEAKER SPACING: Conical dispersion measurements are provided for comparison with other speakers. To determine correct speaker spacing, see the technical paper "Distributed System Speaker Spacing for the Integrator" (www.Lowellmfg.com) which explains the difference between conical and linear dispersion and the measurements to use for best results online under Resources – White Papers. For quick calculations, a calculator for speaker spacing is also available online under Resources – Interactive Tools.



YOU MAY ALSO LIKE....



The RPAK Series featuring:

- 8-inch 15W dual cone driver
- 25V/70V or 25V transformer
- White enclosure
- Tile-bridge
- White grille



Model BC810-72 featuring:

- 8-inch 15W dual cone driver
- 25V/70V transformer
- White enclosure
- Dual beam clamps
- White steel grille



R1810 Models

R1810 – COMPATIBLE COMPONENTS (ORDER SEPARATELY)

BACKBOX - ROUND					T-BRIDGE *	MOUNTING RING	Support Rails
Model No.	Diameter	Depth	Material	Features	Model No.	Model No.	Model No.
8XD4	10.00"	4.00"	steel	flat flange for tile	LBS8 or LBS8-RI	---	SS24 or SS48
8PSBX **	10.00"	4.00"	plastic	flat flange for tile	LBS8 or LBS8-RI	---	SS24 or SS48
BME84	10.06"	4.06"	steel	retrofit, tension bracket, mounting ring	---	---	---
CP84	12.00"	4.06"	steel	extended lip for sheetrock	LBS8-CP	---	SS24 or SS48
CP87	12.00"	6.69"	steel	extended lip for sheetrock	LBS8-CP	---	SS24 or SS48
DX108	15.00"	10.50"	steel	extended lip for sheetrock & straps	LBS8-CP	---	SS24 or SS48
XCP84	10.06"	4.06"	steel	flat flange for tile	LBS8 or LBS8-R1	---	SS24 or SS48
XCP87	10.06"	4.06"	steel	flat flange for tile	LBS8 or LBS8-R1	---	SS24 or SS48
XCP810	10.06"	10.06"	steel	flat flange for tile	LBS8 or LBS8-R1	---	SS24 or SS48
None (infinite baffle) ***	---	---	---	---	LBS8 or LBS8-R1	RMP8A or PR8-1624	---

* Four (4) 8-32 bolts are required to mount an enclosure to a T-bridge (bolts are not included); ** Imported; *** If a backbox is not used with the assembly (i.e. infinite baffle applications) a mounting ring may be needed.



R7810 Models

R7810 – COMPATIBLE ACCESSORIES (ORDER SEPARATELY)

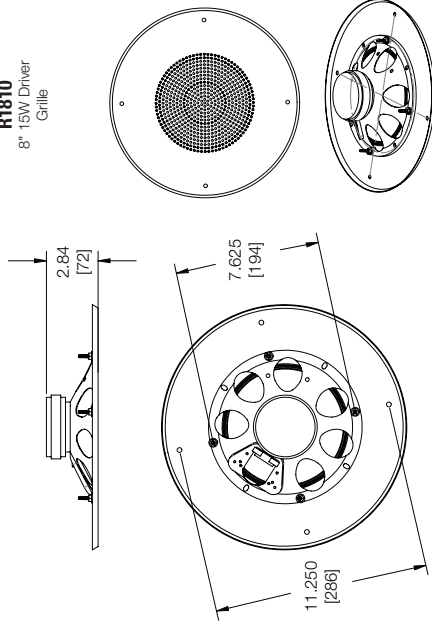
BACKBOX - SQUARE				
Model No.	Size	Depth	Material	Installation Style
CB84-SGVPO	11.50"	4.00"	galvanized steel	surface-mount
P68XA	10.00"	4.00"	galvanized steel	recessed
P68XA-6	10.00"	6.00"	galvanized steel	recessed

NOTE: R7810 speaker assemblies can be used in a tile ceiling without a backbox if code permits and installed with Lowell T-bridge model LBS8. The installer will have to bend two tabs on the T-bridge for the assemblies to fit. More information can be found on individual accessory spec sheets.

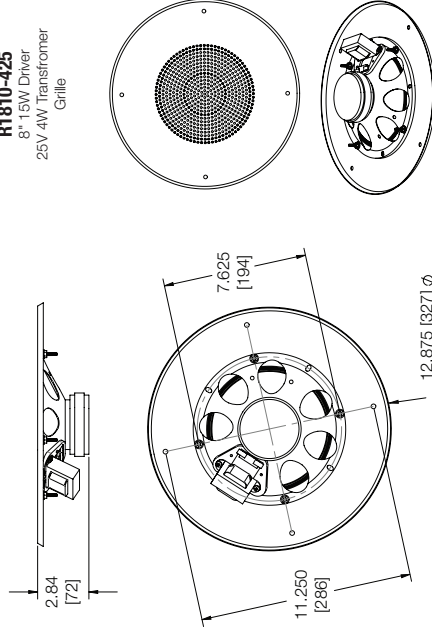
TECHNICAL DRAWINGS

Dimensions are inches and [mm] unless stated otherwise.

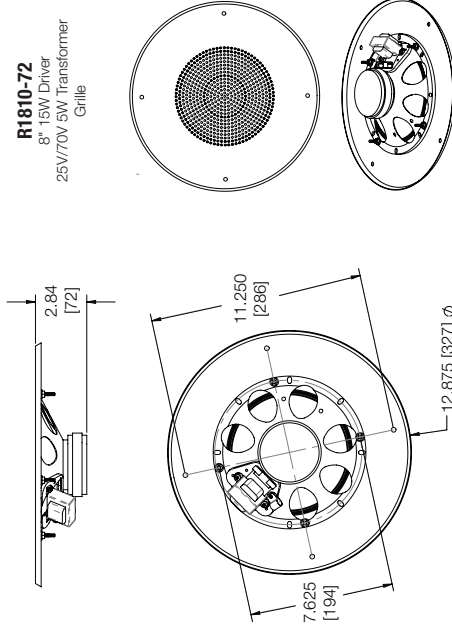
R1810
8" 15W Driver
Grille



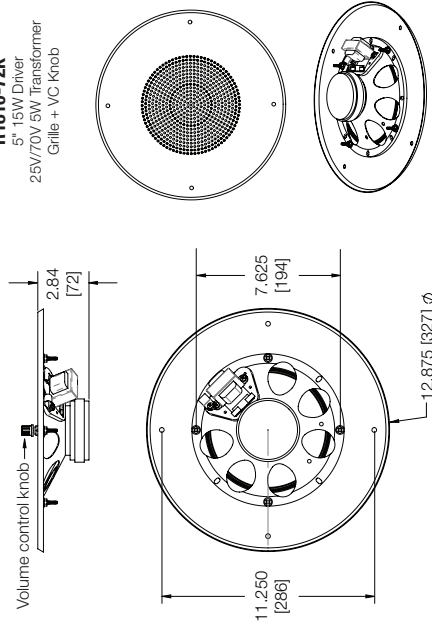
R1810-425
8" 15W Driver
25V 4W Transformer
Grille



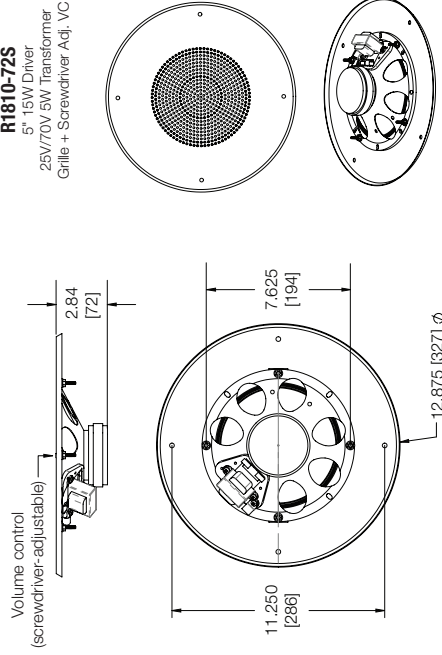
R1810-72
8" 15W Driver
25V/70V 5W Transformer
Grille



R1810-72K
5" 15W Driver
25V/70V 5W Transformer
Grille + VC Knob



R1810-72S
5" 15W Driver
25V/70V 5W Transformer
Grille + Screwdriver Adj. VC



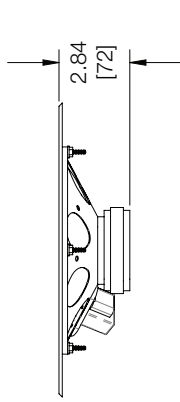


Lowell.

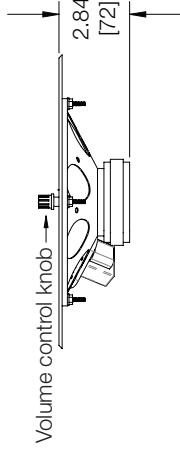
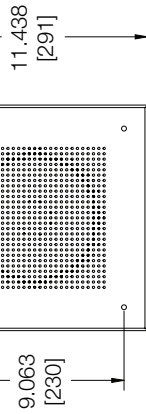
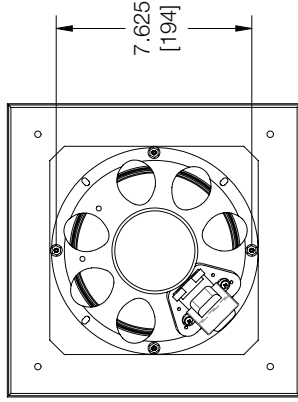
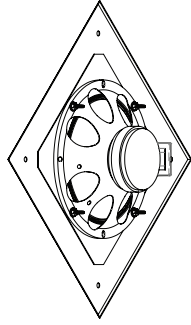
TECHNICAL DRAWINGS

Dimensions are inches and [mm] unless stated otherwise.

R-Series - Description and A&E Specifications, pg 1
R-Series - Summary Chart, pg 2
R-Series - Compatible Accessories, pg 3
R1810 Models - Technical Drawings, pg 4



R7810-72
8" 15W Driver
25V/70V 5W Transformer
Square Grille



R7810-72K
5" 15W Driver
25V/70V 5W Transformer
Square Grille + VC Knob

