

Quality Features

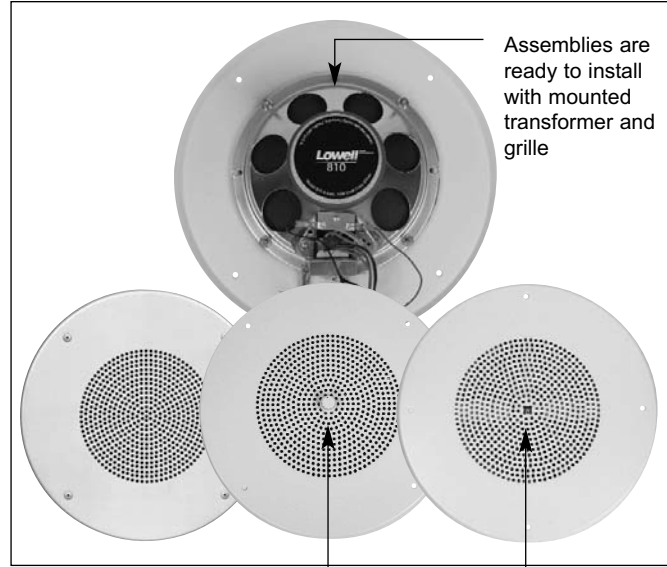
- Assemblies include a dual cone 8" speaker with a wired 25/70V transformer, choice of three grilles, and optional volume control for on-site level adjustment.
- Attractive steel grilles are offered with screw or torsion mount installation (as noted).
- Assemblies ship wired and ready for efficient installation.
- Companion backboxes and mounting accessories are itemized below with details on page 2 for easy selection.
- See also RPAK Series convenient boxed system pairs with two R1810-72 speaker assemblies + two 8XD4 backboxes + two LBS8-R1 tile bridges.

Description

Lowell's R Series 15W speaker assemblies are an excellent choice for quality general purpose paging and distributed music applications where economy and installed costs are prime considerations. The R Series 15W assemblies are comprised of a factory assembled 8" dual cone driver (Model 810) with a wired dual voltage transformer, three choices of mounted grille, and optional volume control feature (where noted) with knob style or screwdriver adjustment in the center of the grille.

Speaker / transformer assemblies are manufactured to assure consistent performance with clear intelligibility and wide dispersion. The dual cone Model 810 driver has a power rating of 15 watts RMS and employs a 10 oz. ceramic magnet. The cone is molded of a high fiber content material to provide a smooth, extended frequency response and a clean, natural sound. To facilitate a variety of distributed applications each assembly includes a wired dual voltage 25/70V transformer with 0.25, 0.5, 1, 2, and 5 watt taps.

(continued on page 2)

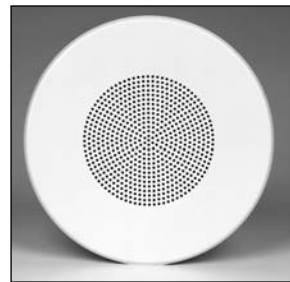


Assemblies are ready to install with mounted transformer and grille

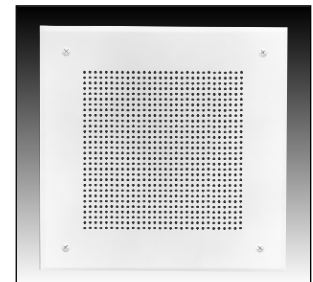
R1810-72
uses grille WB-8

R1810-72K
uses grille WB-8 with knob volume control

R1810-72S
uses grille WB-8 with screw volume control



RT1810-72
uses torsion grille WB-8T



R7810-72
uses grille SG8
R7810-72K includes a knob volume control

Assembly Models

Model	Volume Control	Driver Model	transformer Model	Transformer Taps	Grille Model	Backbox* + T-Bridge or Rails
						(Order separately, Choose one, for suspended ceilings - see p.2)
R1810-72	No	810	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	WB-8	CP8 Series, DX58, DX108LBS8-CP or SS24 Rails
R1810-72K	Knob	810	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	WB-8	XCP8 Series, 8XD4, 8SPSBX . . .LBS8 or LBS8-R1
R1810-72S	Screw	810	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	WB-8	RF Series (blind mount)None required No Backbox DesiredLBS8 or LBS8-R1
RT1810-72	No	810	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	WB-8T	XC8P SeriesLBS8-R1 RF Series (blind mount)None required
R7810-72	No	810	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	SG-8	P68 SeriesSS24 Rails
R7810-72K	Knob	810	TLM572 (70/25V)	0.25, 0.5, 1, 2, 5W	SG-8	CB84-SG (surface mount)None required

* For applications that do not require backbox protection, a mounting ring may be an alternate accessory. Assemblies with grille model WB-8 will accept mounting ring Model PR8-1624 (with ears) or RMP8; grille Model SG-8 and WB-8T will not accept a mounting ring. Refer to the Lowell catalog for mounting ring specifications.

Driver Specifications

Driver Model	Size	Power Rating	Type	Ceramic Magnet	Frequency Response	Dispersion	Voice Coil Impedance	Sensitivity 1W / 1M	Depth (w/o xfmr)	Weight (w/o xfmr)
810	8"	15W	Dual cone	10 oz.	47Hz - 20kHz ±6dB	120° @ 2000Hz -6dB	8 Ohms	95dB Avg. 100dB Peak	2.84"	2.0 lbs.



R Series (15W)

8" Dual Cone Speaker Assemblies with Xfmr, Grille and Opt'l V.C.

Description (continued)

Architectural grilles are precision-formed steel with an attractive white finish to assure a clean presentation of the speaker assembly. Grilles include white mounting screws (Models WB-8, SG-8) or torsion springs (Model WB-8T) for attractive installation. Models with torsion springs allow the speaker assembly to mount specified backboxes equipped with torsion spring receptacles achieving a visually hardware-free appearance.

Volume Control Option for on-the-spot speaker level control is available factory mounted in the center of the grille. Choose knob-adjust style (Models with K suffix) or screw-driver-adjust style (Models with S suffix).

Companion backboxes and accessories for Lowell R Series speakers are itemized on pages 1 and 2 to facilitate installation in a variety of applications. Selection includes recessed protective and acoustic backboxes with companion tile bridge or channel rail options (if required for suspended installation) and a surface mount backbox (see chart below). Companion accessories are ordered separately.

A & E Specifications

The 8 inch speaker assembly shall be Lowell R Series 15W Model _____. It shall include an 8" dual cone driver with wired transformer, mounted grille, and optional volume control.

The speaker shall have a 15 watt RMS power rating. It shall employ a 10 oz. ceramic magnet and a molded high fiber cone. Frequency response shall be 47Hz-20kHz±6dB with a sensitivity of 95dB Avg. (100dB Peak) measured 1W/1M.

The transformer shall be a factory wired 25/70V unit and shall have primary taps available at 0.25, 0.5, 1, 2, 5 watts. The grille shall be factory mounted to the speaker and shall be manufactured of steel and finished in white powder epoxy. Models with volume control have a _____ (knob or screw) in the center of the grille for volume adjustment.

Optional mounting accessories include Lowell backbox Model _____ or mounting ring Model _____. For suspended ceiling installations, Lowell tile bridge Model _____ or channel rail (pr.) Model _____ shall be used to transfer the speaker assembly weight to the ceiling's support structure.

AUDIO

12"/10"
Speakers & Accessories



8"
Speakers & Accessories

6"

Speakers & Accessories

4"

Speakers & Accessories

Horn

Speakers & Accessories

Masking

Speakers & Generators

Control

Accessories & Electronics

Systems

Companion Accessories for R Series (order separately)



Lowell offers a wide selection of backboxes for efficient installation of R Series speaker assemblies into a variety of ceiling types. Please refer to the chart on page 1 to identify the backbox and/or tile bridge combination choices for each speaker assembly (determined by the assembly grille). T-bridges and channel rails are also offered to distribute the speaker assembly weight in suspended ceiling installations.

Accessory Backbox* Details for R Series Assemblies

Model	Size	Features	Options (suffix model)
CP84	11.938"Dia. x 4.063"D	Extended lip for sheetrock	---
CP87	11.938"Dia. x 6.687"D	Extended lip for sheetrock + batting	---
CP810	11.938"Dia. x 10.063"D	Extended lip for sheetrock + batting	---
DX58	11.938"Dia. x 11.938"D	0.5 cu.ft., extended lip + batting	---
DX108	15"Dia x 10.125"D	1 cu.ft., extended lip + batting	---
RF841	10.063"Dia. x 4.063"D	Retrofit w tension brkt. + torsion	---
RF871	10.063"Dia. x 6.688"D	Retrofit w tension brkt. + torsion	---
XCP84	10.063"Dia. x 4.063"D	Flat flange for tile ceiling	-S (straps)
XCP87	10.063"Dia. x 6.687"D	Flat flange for tile ceiling + batting	---
XCP810	10.063"Dia. x 10.063"D	Flat flange for tile ceiling + batting	---
8PSBX	10"Dia. x 4"D	Plastic, stacks for warehousing	---
8XD4	10"Dia. x 4"D	Steel, stacks for warehousing	-P (plenum), -S (straps)
P68X	10"Sq. x 4"D	Standard	---
P68X-6	10"Sq. x 6"D	Extra depth	---
P68X-10	10"Sq. x 10"D	Extra depth	---
CB84-SG	11.5"Sq. x 4"D	Surface, White	---

Accessory T-Bridge and Channel Rail Details for C Series Assemblies

LBS8-CP	23.75"L Round opening for CP Series and DX108 backboxes only
LBS8	23.75"L Square opening with screw or Twist n' Lock grille mounting
LBS8-R1	23.75"L Round opening with screw or Twist n' Lock grille mounting
SS-24	23.75"L Channel rails (pair)

* For applications that do not require backbox protection, a mounting ring may be an alternate accessory. Assemblies with grille model WB-8 will accept mounting ring Model PR8-1624 or RMP8. Refer to the Lowell catalog for mounting ring specifications.