

Quality Features

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

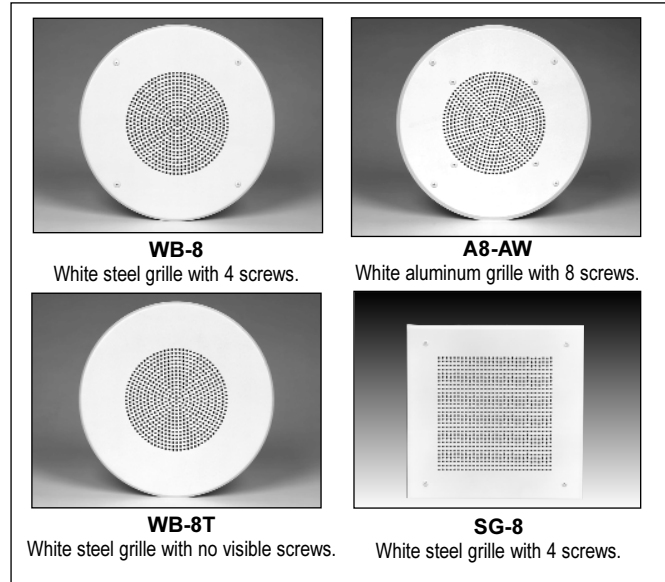


15 Watt Dual Cone Speaker Assembly with transformer
(arrives factory mounted to one of four grilles below)

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 25V, 70V, or dual voltage transformer, four 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 fibre 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 25V or 70V transformer with .25, .5, 1, 2, and 4 watt taps; or a dual voltage 25/70V transformer with .5, 1, 2, and 4 watt taps.



Grille Selection for R Series Assemblies

(continued on page 2)

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. | 45Hz - 13kHz +6dB 45Hz - 18kHz Nominal | 120° @ 2000Hz -6dB | 8 Ohms | 95dB Avg. 100dB Peak | 2.84" | 2.0 lbs. |

Easy-Order Factory Assemblies

| Model | Model (with volume control knob) | Model (with volume control screw) | Driver Model | Xfmr Model | Xfmr Taps | Grille Model | Backbox* (Order separately, Choose one, plus T-bridge or rails if required - see p.2) | + | T-Bridge or Rails (Order separately if required for suspended ceilings - see p.2) |
|------------------|----------------------------------|-----------------------------------|--------------|----------------|-------------------|--------------|---|---|--|
| R1810-70 | R1810-70K | R1810-70S | 810 | TLM70 (70V) | 4, 2, 1, .5, .25W | WB-8 | CP8 Series, DX58, DX108LBS8-CP or SS24 Rails XCP8 Series, 8XD4, 8SPSBX . . .LBS8 or LBS8-R1 RF Series (blind mount)None required No Backbox DesiredLBS8 or LBS8-R1 | + | |
| R1810-25 | R1810-25K | R1810-25S | 810 | TLM25 (25V) | 4, 2, 1, .5, .25W | WB-8 | | | |
| R1810-72 | R1810-72K | R1810-72S | 810 | TLM72 (70/25V) | 4, 2, 1, .5W | WB-8 | | | |
| R3810-70 | R3810-70K | R3810-70S | 810 | TLM70 (70V) | 4, 2, 1, .5, .25W | A8-AW | P68 SeriesSS24 Rails CB84-SG (surface mount)None required | + | |
| R3810-25 | R3810-25K | R3810-25S | 810 | TLM25 (25V) | 4, 2, 1, .5, .25W | A8-AW | | | |
| R3810-72 | R3810-72K | R3810-72S | 810 | TLM72 (70/25V) | 4, 2, 1, .5W | A8-AW | | | |
| R7810-70 | -- | -- | 810 | TLM70 (70V) | 4, 2, 1, .5, .25W | SG-8 | P68 SeriesSS24 Rails CB84-SG (surface mount)None required | + | |
| R7810-25 | -- | -- | 810 | TLM25 (25V) | 4, 2, 1, .5, .25W | SG-8 | | | |
| R7810-72 | -- | -- | 810 | TLM72 (70/25V) | 4, 2, 1, .5W | SG-8 | | | |
| RT1810-70 | -- | -- | 810 | TLM70 (70V) | 4, 2, 1, .5, .25W | WB-8T | XC8P SeriesLBS8-R1 RF Series (blind mount)None required | + | |
| RT1810-25 | -- | -- | 810 | TLM25 (25V) | 4, 2, 1, .5, .25W | WB-8T | | | |
| RT1810-72 | -- | -- | 810 | TLM72 (70/25V) | 4, 2, 1, .5W | WB-8T | | | |

* For applications that do not require backbox protection, a mounting ring may be an alternate accessory. Assemblies with grille model WB-8 or A8-AW will accept mounting ring Model PR8, PR8-1624 or RMP8; grille Model SG-8 will not accept a mounting ring; grille Model WB-8T may be used with mounting ring Model PR8-T, XPR8-T or XPR8-1624T. Refer to the Lowell catalog for mounting ring specifications.



R Series (15W)

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

Description (continued)

Architectural grilles are precision-formed in a choice of steel or aluminum with an attractive white finish to assure a clean presentation of the speaker assembly in a variety of decors and environmental applications. Grilles include white mounting screws (Models WB-8, A8-AW, SG-8) or torsion springs (Model WB-8T) for attractive installation.

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 fibre cone. Frequency response shall be 45Hz-13kHz±6dB with a sensitivity of 95dB Avg. (100dB Peak) measured 1W/1M.

The transformer shall be a factory wired _____ 25V, 70V, or 25/70V unit and shall have primary taps available at _____ (.25, .5, 1, 2, 4 watts) or (.5, 1, 2, 4 watts). The grille shall be factory mounted to the speaker and shall be manufactured of _____ (steel, aluminum) and finished in white. 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

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 | -S (straps) |
| XCP810 | 10.063" Dia. x 10.063"D | Flat flange for tile ceiling + batting | -S (straps) |
| 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 or A8-AW will accept mounting ring Model PR8, PR8-1624 or RMP8; grille Model SG-8 will not accept a mounting ring; grille Model WB-8T may be used with mounting ring Model PR8-T, XPR8-T or XPR8-1624T. Refer to the Lowell catalog for mounting ring specifications.

Systems

6"
Speakers & Accessories

4"
Speakers & Accessories

Horn
Speakers & Accessories

Masking
Speakers & Generators

Control
Accessories & Electronics