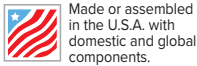




Rear view



An excellent choice for general paging and distributed music where the installed cost of the loudspeaker is of prime consideration, the R1810-72 speaker assembly is designed to provide consistent performance with clear intelligibility and wide dispersion. Ships ready for installation.

### FEATURES:

- Driver (810):
  - 8" 15W dual cone driver
  - Power rating of 15 watts RMS
  - 10 oz. ceramic magnet
  - Driver cone molded of a high fiber content material to provide smooth extended frequency response and a clean natural sound.
- Wired Transformer (TLM-572):
  - Dual voltage 25V/70V
  - Taps at 0.25, 0.5, 1, 2, and 5W
- Grille (WB-8):
  - Certified U.S. steel
  - White powder epoxy finish
  - Round (12.875" diameter)
  - Screw-mount (includes white screws)

### A&E SPECIFICATIONS:

The speaker assembly shall be Lowell model R1810-72, which shall include an 8" dual cone driver, wired dual voltage 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. Frequency response shall be 54Hz-11.6kHz (±6dB); 50Hz-20kHz (±6.6dB) with sensitivity of 97.9 dB avg. measured 1W/1M. The wired transformer shall be dual voltage (25V/70V) and have primary taps at 0.25, 0.5, 1, 2, and 5W. The steel grille with white powder epoxy finish shall be mounted to the driver.

### R1810 Series Summary

| Assembly Model No. | Driver                  | Dual Voltage Transformer | Transformer Taps           | Steel Grille with White Finish | Volume Control   |
|--------------------|-------------------------|--------------------------|----------------------------|--------------------------------|------------------|
| <b>R1810-72</b>    | <b>8" 15W Dual Cone</b> | <b>25V/70V</b>           | <b>0.25, 0.5, 1, 2, 5W</b> | <b>Round, screw-mount</b>      | <b>-----</b>     |
| R1810-72K          | 8" 15W Dual Cone        | 25V/70V                  | 0.25, 0.5, 1, 2, 5W        | Round, screw-mount             | Knob             |
| R1810-72S          | 8" 15W Dual Cone        | 25V/70V                  | 0.25, 0.5, 1, 2, 5W        | Round, screw-mount             | Screwdriver-adj. |

## Driver Specifications (measured half space)

| Driver | Size | Power Rating | Type      | Ceramic Magnet | Frequency Response                         | Dispersion 2000Hz         | Voice Coil Impedance | Voice Coil Diameter | Sensitivity 1W / 1M | Depth (wo xfmr) | Max SPL  |
|--------|------|--------------|-----------|----------------|--|---------------------------|----------------------|---------------------|---------------------|-----------------|----------|
| 810    | 8"   | 15W RMS      | Dual Cone | 10 oz.         | 54Hz-11.6kHz (±6dB)<br>50Hz-20kHz (±6.6dB) | 95 degrees conical (-6dB) | 8 Ohms               | 1"                  | 97.9dB Avg.         | 2.84"           | 109.7dB* |

\*Calculated Value 1M@ Driver Power Rating. Additional technical information is available on the spec sheet for driver #810.

**Note on Spacing:** To determine speaker spacing, see the technical paper "Distributed System Speaker Spacing for the Integrator." A free download is available at Lowellmfg.com, where an online spacing calculator is also available.

## Compatible Components (order separately)

| Backbox Model No.      | Diameter | Depth  | Material | Features                      | T-bridge Model No. | Mounting Ring Model No. | Support Rails Model No. |
|------------------------|----------|--------|----------|-------------------------------|--------------------|-------------------------|-------------------------|
| 8XD4                   | 10"      | 4"     | steel    | flat flange for tile          | LBS8 or LBS8-RI    | ---                     | SS24, SS30 or SS48      |
| 8PSBX*                 | 10"      | 4"     | plastic  | flat flange for tile          | LBS8 or LBS8-RI    | ---                     | SS24, SS30 or SS48      |
| BME84                  | 10.06"   | 4.06"  | steel    | retrofit tension bracket      | ---                | (included)              | ---                     |
| CP84                   | 12"      | 4.06"  | steel    | extended lip for sheetrock    | LBS8-CP            | ---                     | SS24, SS30 or SS48      |
| CP87                   | 12"      | 6.69"  | steel    | extended lip for sheetrock    | LBS8-CP            | ---                     | SS24, SS30 or SS48      |
| CP810                  | 12"      | 10.06" | steel    | extended lip for sheetrock    | LBS8-CP            | ---                     | SS24, SS30 or SS48      |
| DX108                  | 15"      | 10.50" | steel    | extended lip for sheetrock    | LBS8-CP            | ---                     | SS24, SS30 or SS48      |
| XCP84                  | 10.06"   | 4.06"  | steel    | flat flange for tile          | LBS8 or LBS8-R1    | ---                     | SS24, SS30 or SS48      |
| XCP87                  | 10.06"   | 4.06"  | steel    | flat flange for tile & straps | LBS8 or LBS8-R1    | ---                     | SS24, SS30 or SS48      |
| XCP810                 | 10.06"   | 10.06" | steel    | flat flange for tile          | LBS8 or LBS8-R1    | ---                     | SS24, SS30 or SS48      |
| None (infinite baffle) |          |        |          |                               | LBS8 or LBS8-R1    | RMP8 or PR8-1624        | ---                     |

\* Imported

- Notes:
- If a backbox is not used (i.e. infinite baffle applications) a mounting ring may be needed. Speaker assemblies using grille WB-8 will accept mounting ring PR8-1624 (which has ears) or RMP8.
  - Mounting bolts are included with grilles and speaker assemblies (not T-bridges). The installer will need to supply four (4) 8-32 bolts to mount an enclosure to a T-bridge.

