Product Guide

C 0894A Surface Mount 200mm (8") 100V 5W Twin Cone SpeakerC 0896A Surface Mount 200mm (8") 100V 5W Twin Cone Speaker With Volume Control



Surface Mount Wall Box Speakers

- ✓ Excellent speech intelligibility.
- ✓ High quality speaker driver developed for BGM, paging and emergency warning applications.
- ✓ Easy power tap selection.
- ✓ Ideal for use in school classrooms for general announcements.
- ✓ C 0896A fitted with volume control.
- ✓ Rigid steel backing plate



Application

A wall mount speaker with ABS plastic end caps, fitted with a high performance 8" twin cone speaker. Complete with a 100V line multi-tapped transformer.

Both models are designed to mount directly to concrete slabs or brick walls. It is ideal for use in, schools, plant rooms, factory units, warehouses etc.

About Redback® Speaker Drivers

Each custom designed speaker and transformer combination has been specifically engineered to ensure a wide frequency range and dispersion angle, plus a high sound pressure level (SPL) ensuring excellent music and speech intelligibility; which is critical for emergency paging applications.

The transformer is fitted with multiple power taps which are quickly adjusted on site to the desired wattage.

Installation Guidelines

The speaker is provided with a steel mounting plate which is mounted to the wall or ceiling.

Power taps are selected directly on the transformer tabs. For C 0896A the power tap selected represents speaker output at maximum volume.

Manufacturing & Performance

Redback® drivers are engineered and manufactured to stringent specifications ensuring maximum reliability under all operating conditions. Each driver has a power rating well above the max tapping of the transformer, ensuring reliable operation and excellent longevity.

A strict quality control procedure is employed during every step of the manufacturing process. Finally, every finished speaker is 100% QC checked prior to shipping.

1

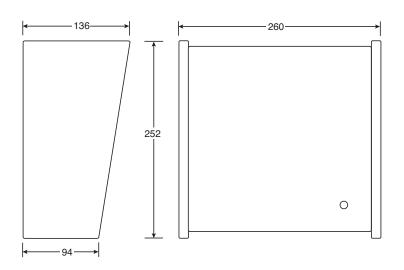
Product Guide

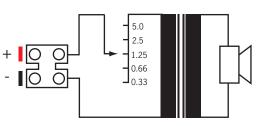
C 0894A Surface Mount 200mm (8") 100V 5W Twin Cone Speaker

C 0896A Surface Mount 200mm (8") 100V 5W Twin Cone Speaker With Volume Control



Dimensions & Transformer Detail





Power tap shown selected to factory default setting.

Specifications

Electrical

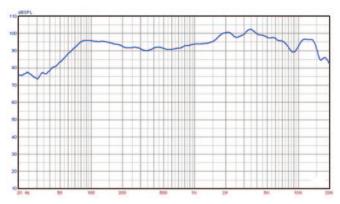
| Power taps: | 0.33, 0.66, 1.25, 2.5, 5W |
|---------------------|---------------------------|
| SPL 1W @ 1m: | 93dB @ 1kHz (+/- 2dB) |
| Frequency response: | 100Hz-15kHz |
| Connection: | 2 way terminal block |

Mechanical

| High impact ABS |
|-----------------|
| Paper twin cone |
| 1.3kg |
| |

Environmental

| Liviloiiiiciitai | |
|------------------------|----------------|
| Operating temperature: | -30°C to +60°C |
| Relative humidity: | < 95% |



Architect Specifications

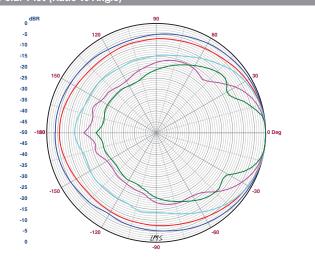
C 0894A

The surface mount speaker shall be of 200mm diameter fitted with a 100V transformer with power taps of 5W, 2.5W, 1.25W, 0.66W and 0.33W. It shall have a SPL of 93dB (1W@1m). It shall be fitted with a 2 way wire protect terminal block for connection. The speaker body shall be made of steel with ABS plastic endcaps. The speaker shall be a Redback model C 0894A.

C 0896A

The surface mount speaker shall be of 200mm diameter fitted with a 100V transformer with power taps of 5W, 2.5W, 1.25W, 0.66W and 0.33W. It shall be fitted with a front mounted adjustable volume control. It shall have a SPL of 93dB (1W@1m). It shall be fitted with a 2 way wire protect terminal block for connection. The speaker body shall be made of steel with ABS plastic endcaps. The speaker shall be a Redback model C 0896A.

Polar Plot (Ratio vs Angle



| | 500Hz | 1kHz | 2kHz | 4kHz | 6kHz | |
|------------------------|-------|------|-------|------|------|--|
| SPL 1W @ 1m (dB) | 91.1 | 93.6 | 100.3 | 99.7 | 91.9 | |
| Beam Width (BW) | 207 | 127 | 91 | 55 | 35 | |
| Q-Factor | 1.7 | 2.8 | 4.0 | 6.6 | 9.9 | |
| Directivity Index (DI) | 2.4 | 4.5 | 6.0 | 8.2 | 10.0 | |