

**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

## 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.

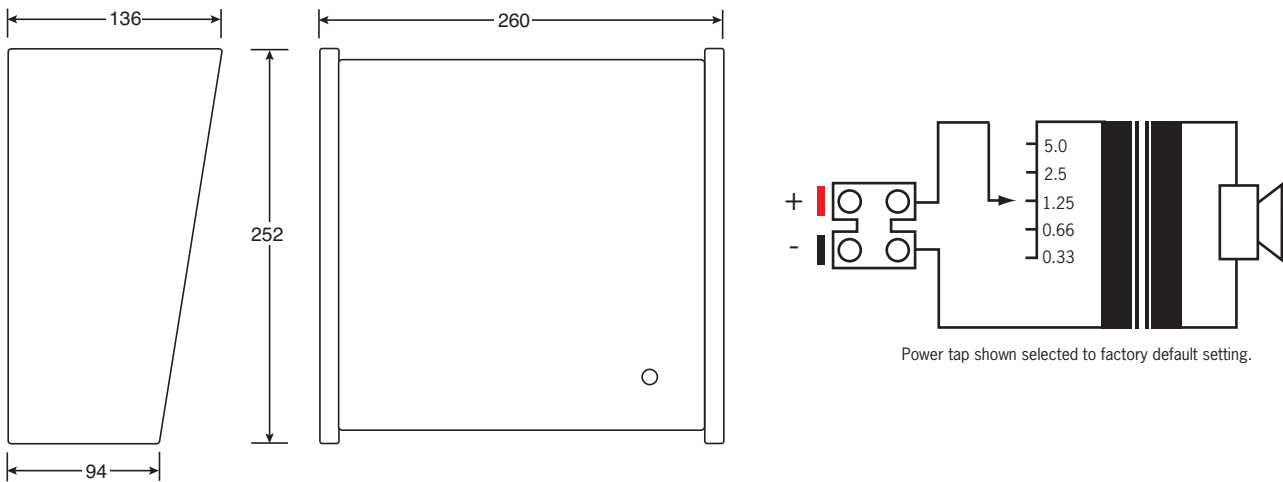
## Product Guide

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### Dimensions & Transformer Detail



### 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

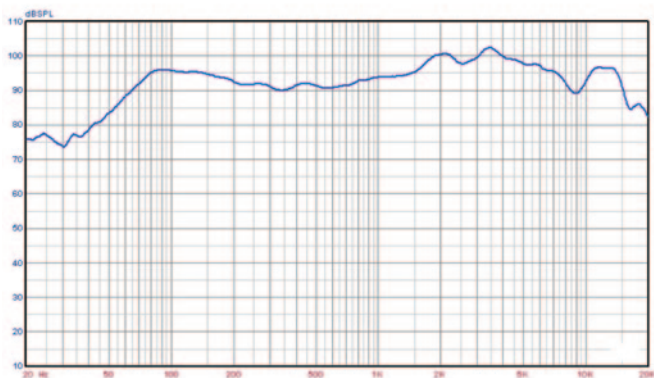
#### Mechanical

Enclosure material:	High impact ABS
Driver construction:	Paper twin cone
Overall weight:	1.3kg

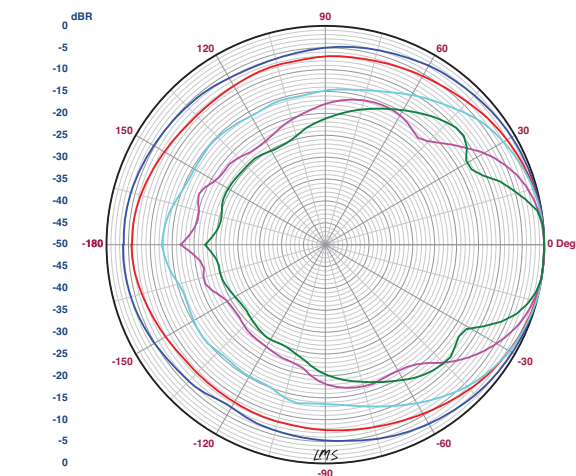
#### Environmental

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

### Frequency Response (SPL 1W @ 1m)



### 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

### 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.