

Product Guide

C 0891 Surface Mount 165mm (6.5") 100V 6W Twin Cone Speaker

C 0895 Surface Mount 165mm (6.5") 100V 6W Twin Cone Speaker With Volume Control



Surface Mount Wall/Ceiling 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 0895 fitted with volume control & override relay.
- ✓ Tamper resistant mounting bracket
- ✓ High impact ABS enclosure



Application

A slimline unobtrusive 6.5" loudspeaker constructed from high impact ABS. The wall mount bracket includes a tamper-proof security screw to prevent theft. The C 0895 model is fitted with a front mount volume control and override relay. In the event of an emergency announcement, the override relay will bypass the volume control circuit. This provides full volume announcements regardless of the volume control setting (even at minimum).

Both models are designed to mount directly to concrete slabs, brick walls or inaccessible ceilings. 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. The plastic enclosure then press fits onto the plate, which is secured using an allen key grub screw.

The neutral white RAL 9016 colour of the enclosure provides an architecturally unobtrusive finish to virtually any installation.

The C 0895 model features row of spring loaded terminals for easy selection of power taps. C 0891 power taps are selected directly on the transformer tabs.

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.

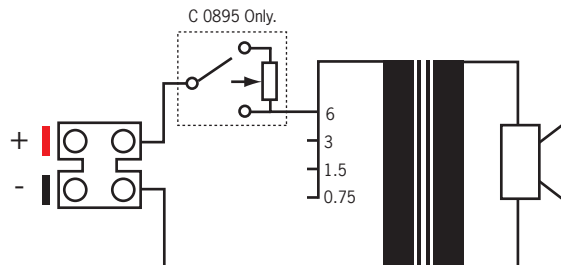
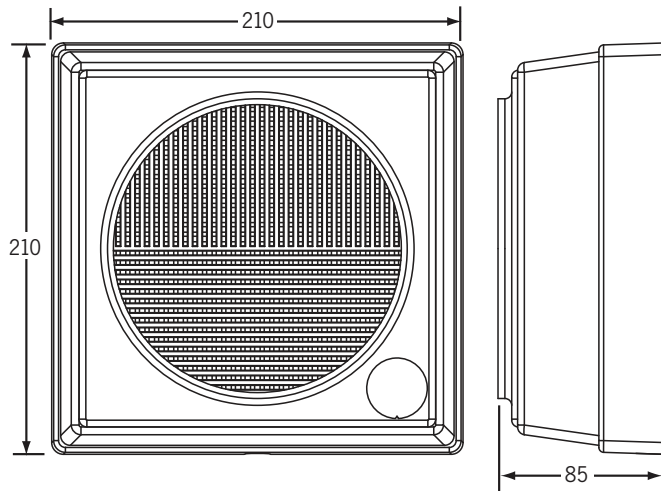
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Dimensions & Transformer Detail



Specifications

Electrical

Power taps:	0.75, 1.5, 3, 6W
SPL 1W @ 1m:	95dB @ 1kHz (+/- 2dB)
Max SPL 6W @ 1m:	102dB
Frequency response:	160Hz-20kHz
C 0891 connection:	
C 0895 connection:	Spring terminal connection

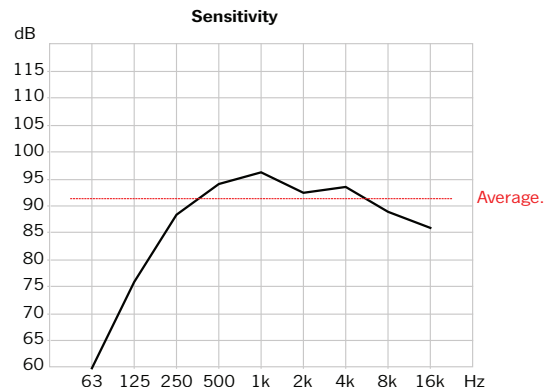
Mechanical

Enclosure material:	High impact ABS
Driver construction:	Paper twin cone
Overall weight:	1.3kg
Colour:	White (RAL 9016)

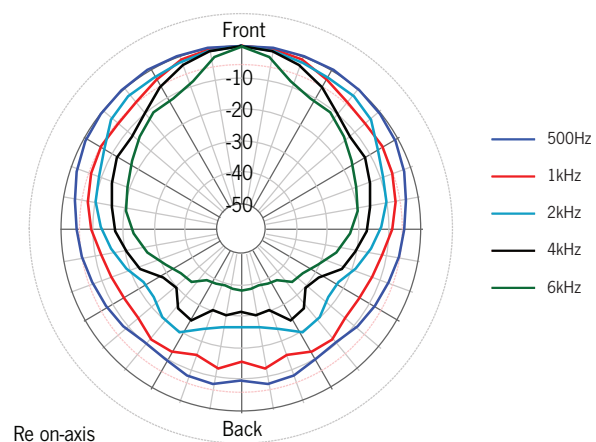
Environmental

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

Frequency Response (SPL 1W @ 1m)



Polar Plot (Ratio vs Angle)



Architect Specifications

C 0891

The surface mount speaker shall be of 165mm diameter fitted with a 100V transformer with power taps of 6W, 3W, 1.5W and 0.75W. It shall have a SPL of 95dB (1W@1m). It shall be fitted with a 2 way wire protect terminal block for connection. The speaker body shall be made of high impact ABS in white RAL 9016 colour. The speaker shall be mounted to an aluminium mounting plate and secured with a tamper resistant allen head screw. The speaker shall be a Redback model C 0891.

C 0895

The surface mount speaker shall be of 165mm diameter fitted with a 100V transformer with power taps of 6W, 3W, 1.5W and 0.75W. It shall have a SPL of 95dB (1W@1m). It shall be fitted with a spring terminal strip for connection to each power tap. It shall be fitted with adjustable volume control on the front, with override relay for announcements at full rated wattage. The speaker body shall be made of high impact ABS in white RAL 9016 colour. The speaker shall be mounted to an aluminium mounting plate and secured with a tamper resistant allen head screw. The speaker shall be a Redback model C 0895.