

## Wall Mount

### C 0891

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

### Overview

A slimline unobtrusive 6.5" loudspeaker constructed from high impact ABS. The wall mount bracket includes a tamper-proof security screw to prevent theft. 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.

### Features

- 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.
- Tamper resistant mounting bracket
- High impact ABS enclosure

### 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.

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



### 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.

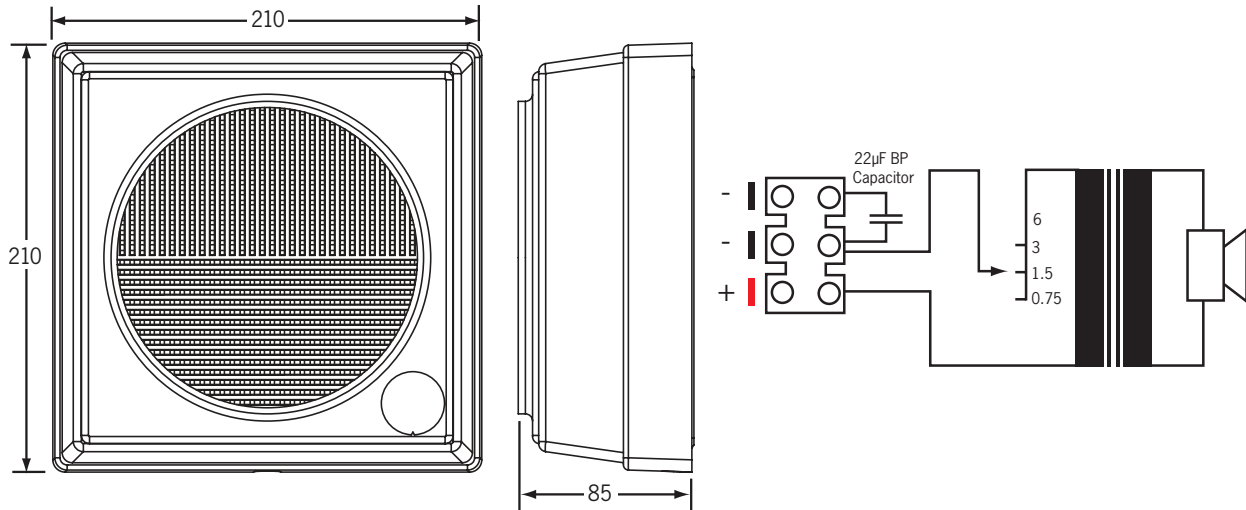
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### Transformer Detail



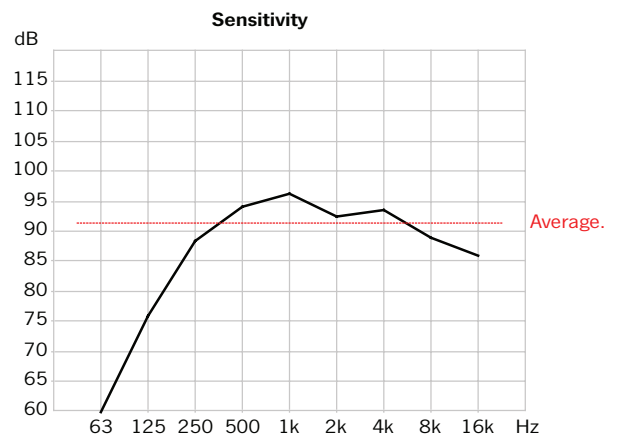
### Specifications

Electrical	
Power Taps	0.75, 1.5, 3, 6W
SPL 1W @ 1m	95dB @ 1kHz (+/-2dB)
Max SPL @ 1m	102dB
Frequency response	160Hz-29kHz
Connection	3 way screw terminal
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%

### Architect Specifications

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.

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



### Polar Plot (Ratio vs Angle)

