

# SP-100 series

## 100mm Ceiling Speakers



Evacuation Systems

### *The Difference is Clear*

#### GENERAL

The SP-100 is a compact recessed ceiling speaker designed specifically for the Public Address and Voice Alarm (PA-VA) market.

Available in Black or White finishes and with surface mounting option, the SP-100 is suitable for a variety of installation applications

The 100mm, 6W dual cone dynamic loudspeaker provides a broad frequency response range, low harmonic distortion and maintains a high sound pressure level at all tap settings to provide accurate and intelligible broadcast of evacuation and PA messages.

The tapered ABS body with perforated metal grille provide an attractive design to ensure a high quality finish to any ceiling.

The SP-100 meets the SPL requirements of the BCA for residential applications. This level of sound quality means higher end user satisfaction with reduced installation costs.

The unique enclosed termination housing allows for loop through cabling, convenient plug on/plug off tapping as well a convenient field cable fixing point and together with the custom spring fit system the SP-100 allows easy installation and even more importantly; removal without damage to sensitive ceilings.

The low-profile surface mount box is designed to accommodate the standard recessed speaker order to provide a simple installation and also reduce costly inventory on the contractor.

#### FEATURES

- Attractive quality appearance
- High 100dB sound pressure level
- Excellent frequency response
- Simple spring fit system
- Easy install or removal
- Flush or surface mounting
- Enclosed terminal block
- Easy to use spring clip tapings
- Convenient field cable fixing point



**SP-100 White 100mm Speaker**



**SP-100-BK Black 100mm Speaker**

## PRODUCT LINE INFORMATION

SP-100: Recessed Ceiling speaker, White

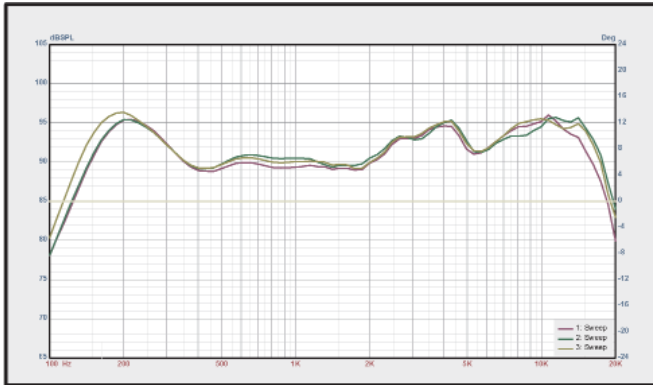
SP-100-BK: Recessed Ceiling Speaker, Black

SM-100: Surface mount mounting box, White, to suit SP-100/SP-100WP

SM-100-BK: Surface mount mounting box, Black, to suit SP-100-BK

## SPECIFICATIONS

### SPL / Frequency Graph



## Power and Audio Specifications

Rated Power: 6W (max), 100V line transformer

Transformer Power Taps: 0.375W, 0.75W (default), 1.5W, 3W, 6W

Sensitivity: 92dB +/- 2dB @1W, 1m

Maximum SPL: ~100dB @ 6W

Effective Frequency Response: 130Hz - 20kHz

Frequency Response (+/- 2dB): 180Hz - 18kHzzbnb

Speaker driver unit: 100mm (4")

## Mechanical Specifications

Dimensions, recessed mount: 160mmØ x 80mm (Recess 75mm)

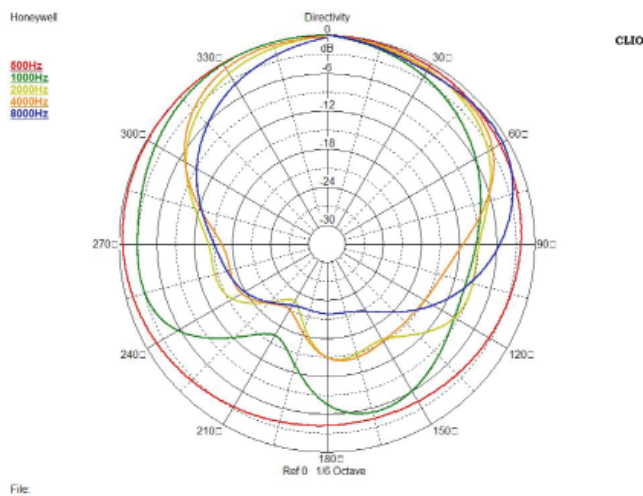
Dimensions, surface mount: 245mm Ø x 80mm (D)

Ceiling Cut-out: 140mm Ø

Colour: White RAL9003, Black RAL9004

Material: Housing (ABS), Grille (Powercoated Steel), Surface mounting box (ABS)

## Polar Plot



File:



This document is not intended for installation purposes. We try to keep our product information up-to-date and accurate. We cannot cover all specific applications or anticipate all requirements. All specifications are subject to change without notice.

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