

L - VCP06D

Ceiling Loudspeaker



L - VCP06D - Recessed Ceiling Loudspeaker &
L - SMB - Surface mount mounting box

General

The L - VCP06D is a compact recessed ceiling loudspeaker designed specifically for the Australian Public Address and Voice Alarm (PA-VA) markets. High audio quality, low profile design and certification to AS ISO 7240.24 for flush and surface mount installations, make the L-VCP06D ideal for a wide range of applications.

The broad and dynamic frequency response makes the L - VCP06D suitable for music and speech reproduction. The L - VCP06D has low harmonic distortion and excellent sustention of high sound pressure level at all power settings, enabling the loudspeaker to provide accurate and intelligible broadcast of evacuation and PA messages. This level of sound quality means higher end-user satisfaction.

The loudspeaker's modern and unobtrusive and low-profile design makes it an ideal loudspeaker for indoor use such as in offices, shopping centers, schools, hospitals, hotels and restaurants.

The L - VCP06D is certified to AS ISO 7240.24 for flush mount and uses the same speaker for the surface mount installation, making it cost effective and compliant to the latest National Construction Code (NCC) requirements. It meets the SPL requirements of the NCC for residential applications achieving 100dB SPL compliance.

Easy to use adjustable power tapping's and an enclosed terminal block facilitate installation. Custom spring fit system of the L - VCP06D allows for removal without the risk of damaging sensitive ceilings tiles. Having a low profile of 70mm makes the loudspeaker easy to install, even in challenging ceiling areas with limited ceiling space.

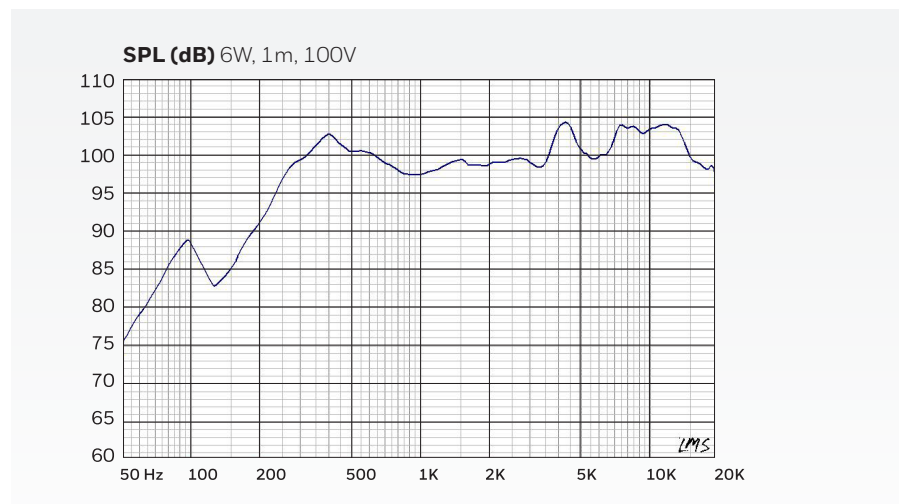
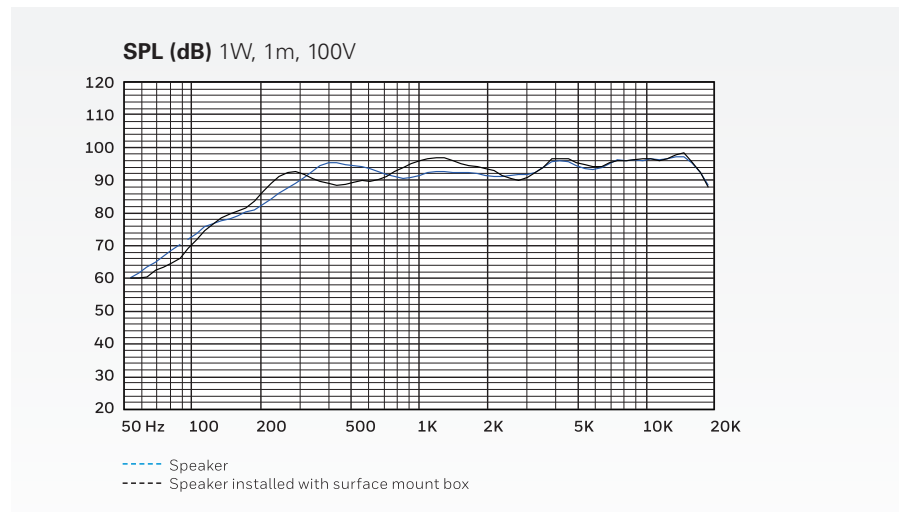
Note : The LVCP06D does not require Equalisation to function with OWS / EWIS systems.

Features

- Complying with AS ISO 7240.24, Type A for flush-and surface mount installation
- Clear and intelligible audio
- Achieves 100dB sound pressure level requirement**
See Power and Audio Specifications
- Excellent frequency response
- Simple spring fit system for easy installation
- Flush or surface mounting
- Enclosed terminal block
- Low profile for easy installation in narrow ceiling spaces
- Easy to use power tapping settings
- Stylish and attractive design
- Environment friendly
- Complying with local installation and safety regulations
- Fitted with capacitor for line monitoring

Product Line Information

SPL / Frequency Graph



Power and Audio Specifications

RATED POWER	6W (maximal power 9W), 100V line transformer
TRANSFORMER POWER TAPS	0.375W, 0.75W (default), 1.5W, 3W, 6W
SOUND PRESSURE LEVEL (SPL)	91dB +/-2dB @1W, 1m, 100V, 100Hz-10kHz
MAXIMUM SPL	100.5 dB @ 6W, 1m, 100V, 250Hz-20kHz 106.5 dB @ 6W, 0.5m, 100V, 250Hz-20kHz
EFFECTIVE FREQUENCY RESPONSE	200Hz-15kHz
FREQUENCY RESPONSE	200Hz-15kHz (speaker installed with surface mount box) (+/-2dB)
SPEAKER DRIVER UNIT	100mm (4")

**SPL of 100.5 dB can be achieved @ 1.5W, 0.5m, 100V, 250Hz-20kHz.

Mechanical Specifications

DIMENSIONS, RECESSED MOUNT	160mmØ x 75mm (Recess 70mm)
DIMENSIONS, SURFACE MOUNT	280mm Ø x 75mm (D)
WEIGHT	0.66kg
CEILING CUT-OUT	140mm Ø
COLOUR	White RAL9003, Black RAL9004
MATERIAL	Housing (ABS), Grille (Powdercoated Steel), Surface mounting box (ABS)



Product Line Information

Environmental Specifications

OPERATING TEMPERATURE	-25 °C to +55 °C
IP RATING	Type A(AS7240.24) / IP21
STORAGE TEMPERATURE	-40 °C to +70 °C
RELATIVE HUMIDITY	<95%

Agency Listings and Approvals

These listings and approvals apply to the modules specified in this document. In some cases, certain modules or applications may not be listed by certain approval agencies, or listing may be in process. Consult system consultant for latest listing status.

AS ISO 7240.24 2015

Ordering

L - VCP06D-W	4" Recessed ceiling loudspeaker in white finish (Power tapplings 0.375, 0.75, 1.5, 3, 6W), with white plastic dome and capacitor for general PAVA application.
L - VCP06D-BK	4" Recessed ceiling loudspeaker in black finish (Power tapplings 0.375, 0.75, 1.5, 3, 6W), with white plastic dome and capacitor for general PAVA application.
L - SMB-W	Optional surface mount box for L - VCP06D-W in white finish for solid ceiling or wall installation.
L - SMB-BK	Optional surface mount box for L - VCP06D-BK in black finish for solid ceiling or wall installation.



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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