

L-VCM06C/EN(AB) & 582413 Ceiling Loudspeaker



1293-CPR-0609

- Intelligible voice and superior sound reproduction
- Blend easily with any indoor decorations
- Robust metal housing with fire-resistant dome
- Simple power setting and wiring
- Complies with EN54 part 24 standard

L-VCM06C/EN(AB)&582413 is a high performance 6W dual channel (A&B channel work at the same time) voice alarm ceiling loudspeaker. Its low distortion, and high sound pressure level ensures the delivery of intelligible voice and superior sound. The low profile makes it easy to blend, and the stylish design matches most applications, such as hotel, shopping mall, conference room, cinemas, and exhibition hall.

Technical Specifications

Electrical

	A/B	A+B
Max power	9 W	18W
Rated power	6 W	12W
Power tapping	2 x 6 W / 3 W/ 1.5W (100V)	
Sensitivity	80 dB	86 dB
(1W/4m, 100Hz~10kHz)		
SPL(1W/1m, 100Hz~10kHz)	92 dB	98 dB
SPL(6W/4m, 100Hz~10kHz)	87 dB	93 dB
Frequency response	300 Hz ~ 13kHz	
(-10 dB)		
Rated input voltage	100 V /70V	
Rated impedance	1.67kΩ/3.33kΩ/6.67Ω	
Connection	fire-resistant cable	

Mechanical

Dimensions	Φ262 mm x 135 mm
Weight	2.47 kg
Front grille / Dome Color	White(RAL9010)
Speaker size	3x5 inch(2pcs)

Environmental

Operating temperature	-25℃ to +55℃
Storage temperature	-40℃ to +70℃
Relative humidity	up to 95%

- * The reference axis is perpendicular to the centre point of the front grille
- * The reference plane is perpendicular to the centre of the reference axis
- * The horizontal plane is perpendicular to the centre of the reference plane
- * The spec/data was measured using a standard baffle mounting in an anechoic chamber as described in EN54-24
- * DoP No.: CPR-DoP-00609180809

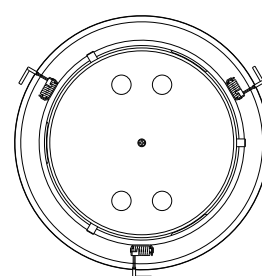
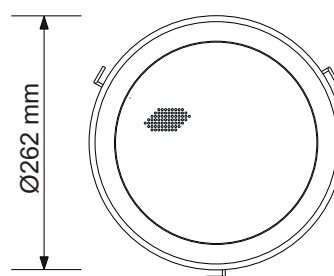
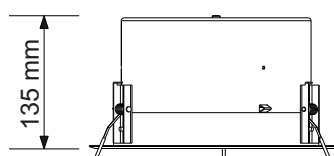
Installation/Configuration Notes

Mounting

The loudspeaker is designed for easy ceiling Mount the frame to the cutting hole with springs. After wiring, mount the back dome and speaker-assembly into the frame by following installation instructions.

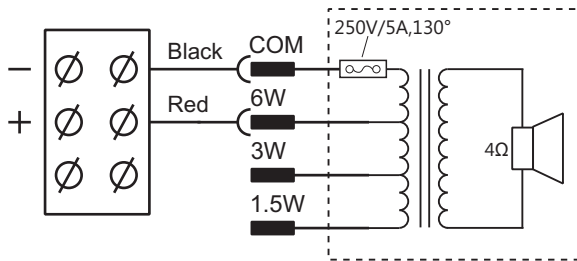
Power setting

There are three primary taps: 6W, 3W and 1.5W. First, select the suitable tap on the transformer of the loudspeaker. And then wiring the cable to the ceramic terminal.



Unit: mm

Circuit Diagram



Channel A=Channel B

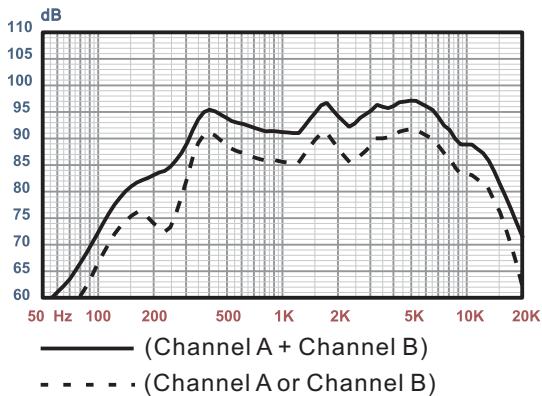
With transformer:

	Red wire plus tapping			Black
100V	6W	3W	1.5W	COM
70V	3W	1.5W	0.75W	
IMP (Ω)	1.67k	3.33k	6.67k	

Channel A=Channel B

Frequency Response

Frequency Response at 4m/1w, 1/3 oct smoothing

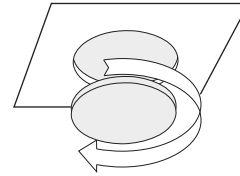


Dispersion angles

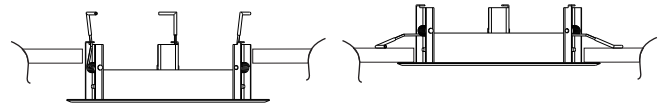
		Horizontal	Vertical
1/3 oct. pink noise	500 Hz	180°	180°
1/3 oct. pink noise	1kHz	174°	174°
1/3 oct. pink noise	2kHz	168°	168°
1/3 oct. pink noise	4kHz	94°	94°

Installation Instructions

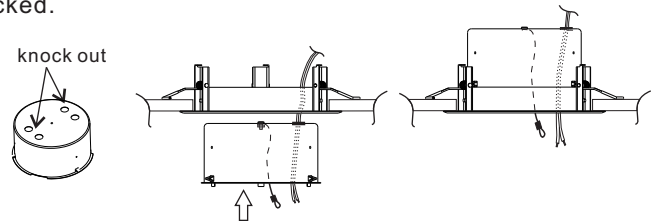
1. Cut out a hole with $\Phi 241\text{mm}$ for the ceiling loudspeaker.



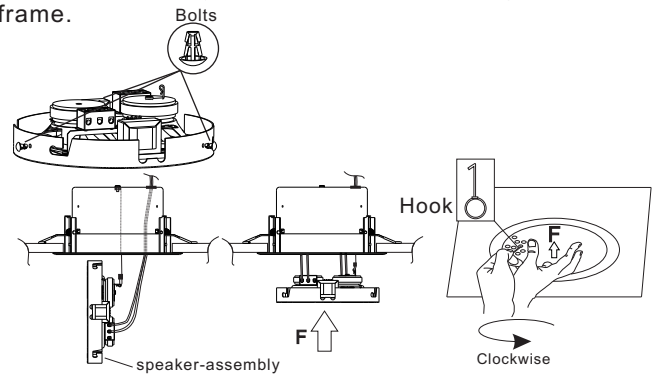
2. Push the frame into the ceiling, then mount the frame with springs.



3. According to the requirement, push out one or four knock-out with a screw driver or other tools. Install the cable gland through every knock-out that is pushed out. After wiring and push the back dome into frame until locked.



4. Push three bolts into the grille, so that the grille is very tight in the frame and can not be dismantled with bare hand after mounting. Connect cables. Rotate the speaker assembly with hook after pushing it into the frame.



5. Disassembly process : one hand to hold the speaker assembly and push it up slightly, then use a hook to hook the edge of grill and rotate counterclockwise till the speaker assembly apart from the frame.

