Honeywell

L-VCM06C/EN & 582412

6.5"Ceiling loudspeaker with metal dome

1293
18
1293-CPR-0613

- 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&582412 is a high performance 6W 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

Max power	9 W
Rated power	6 W
Power tapping	6 W / 3 W/ 1.5W (100V)
Sensitivity (1W/4m,100Hz~10kHz)	80 dB
SPL(1W/1m,100Hz~10kHz)	92 dB
SPL(6W/4m,100Hz~10kHz)	87.5 dB
Frequency response (-10 dB)	350 Hz ~ 15kHz
Rated input voltage	100 V /70V
Rated impedance	1.67kΩ/3.33kΩ/6.67Ω
Connection	Fire-resistant cable

Mechanical

Dimensions	Φ220 mm x 115 mm
Weight	1.56 kg
Front grille / Dome Color	White(RAL9010)
Speaker size	6.5”

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-00613181002

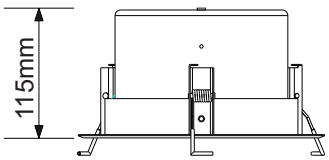
Installation/Configuration Notes

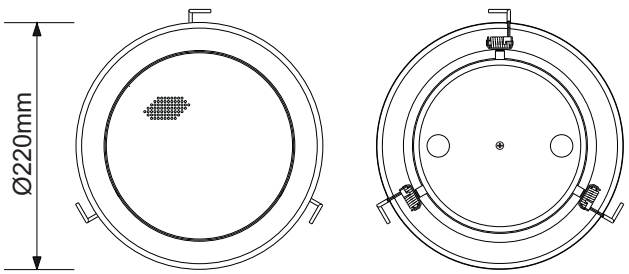
Mounting

The loudspeaker is designed for easy ceiling mount . 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

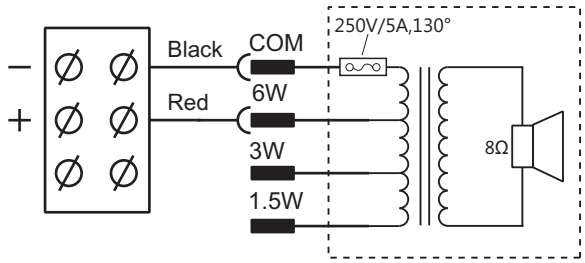
There are three primary taps: 6W, 3W and 1.5W. First, select the suitable tap on the transformer of the loudspeaker. And then wiring the cable to the ceramic terminal .





Unit: mm

Circuit Diagram

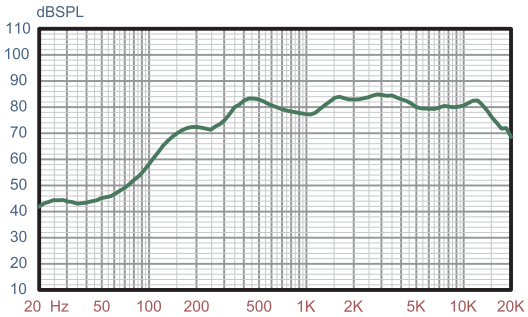


With transformer:

	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	

Frequency Response

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

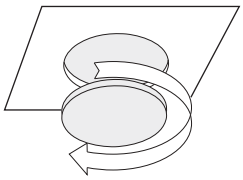


Dispersion angles

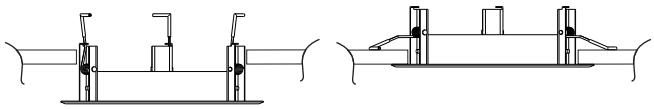
		Horizontal	Vertical
1/3 oct. pink noise	500 Hz	180°	180°
1/3 oct. pink noise	1kHz	180°	180°
1/3 oct. pink noise	2kHz	118°	118°
1/3 oct. pink noise	4kHz	55°	55°

Installation Instructions

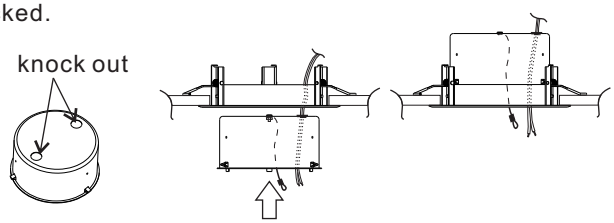
1. Cut out a hole with Φ199mm for the ceiling loudspeaker.



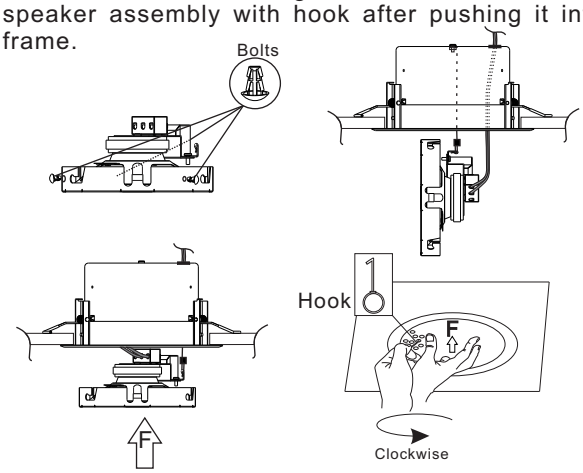
2.Push the frame to the ceiling, then mount the frame with springs.



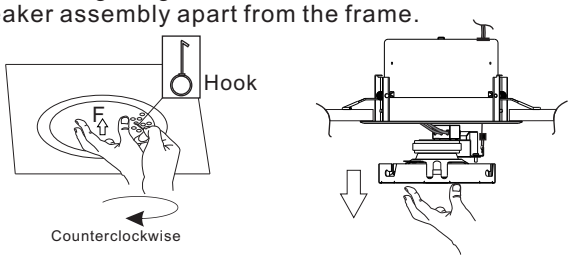
3.According to the requirement, push out one or two knock-out with a screw driver or other tools. Install the cable gland through every knock-out that is pushed out. After wiring and push the back dome to frame until locked.



4. Push three bolts into the grille, so that the grille is very tight in the frame and can not be dismounted 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.



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Life Safety A/V (Guangzhou) Co. Limited
Service Contact: hav.international@honeywell.com

USA: Honeywell International Inc./ 12 Clintonville Road, Northford CT 06472
Europe: Novar GmbH a Honeywell Company / Dieselstrasse 2,41469 Neuss,Germany
Austria:Honeywell Life Safety Austria GmbH/Lembockgasse 49,1230 Vienna,Austria
UK: Novar Systems Ltd / Waterside Road, LEICESTER, Leicestershire LE5 1TN, United Kingdom

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