

## LM2-PCP06x

### Economic ceiling Loudspeaker



LM2-PCP06x is a series of 6W economic ceiling loudspeaker, including two models for choice: direct ceiling mounted loudspeaker LM2-PCP06A and ceiling mounted with ABS back dome loudspeaker LM2-PCP06B, to adapt to different installation requirement. Its stylish design with pretty white cover makes it harmonious with all indoor decoration.

The optional back dome sharing the same style with the panel, can protect the loudspeaker from the harm of any dust and falling objects, and meanwhile prevent the sound to spread to adjacent area via the ceiling cavity.

The panel and back dome adopt frame-proof ABS material, according to UL94V0 standard. All material comply with the CE and RoHS standard.

### Technical Specifications

#### Electrical

|   |                            |
|---|----------------------------|
| Max power                                     | 9 W                        |
| Rated power                                   | 6 W                        |
| Power tapping                                 | 1.5 W / 3 W / 6 W          |
| Sound pressure level at 6W/1W(1m,120Hz~18kHz) | 100 dB / 92 dB             |
| Effective frequency response range (-10dB)    | 80 Hz ~20k Hz              |
| Dispersion angle 1kHz/4kHz (-6dB)             | 184 / 90                   |
| Rated input voltage                           | 100 V / 70 V               |
| Rated impedance                               | 6.7kΩ/ 3.3k Ω / 1.7k Ω     |
| Connection                                    | 4-pole screw plastic block |

#### Mechanical

| Model                  | LM2-PCP06A      | LM2-PCP06B      |
|------------------------|-----------------|-----------------|
| Dimensions             | Ø180 x 73 mm    | Ø180 x 105 mm   |
| Hole cut-out size      | Ø160+5 mm       | Ø160+5 mm       |
| Max. ceiling thickness | 5 to 25 mm      | 5 to 25 mm      |
| Max. depth             | 70 mm           | 100 mm          |
| Weight                 | 0.64 kg         | 0.76 kg         |
| Color                  | RAL9003         | RAL9003         |
| Speaker size           | 130 mm (5 inch) | 130 mm (5 inch) |

#### Environmental

|                       |                |
|-----------------------|----------------|
| Operating temperature | -25°C to +55°C |
| Storage temperature   | -40°C to +70°C |
| Relative humidity     | <95%           |

- Superior voice and music reproduction effect
- Stylish design
- Simple power setting
- Easy for installation
- Optional back dome for choice
- Comply with CE and RoHS standard

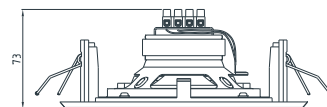
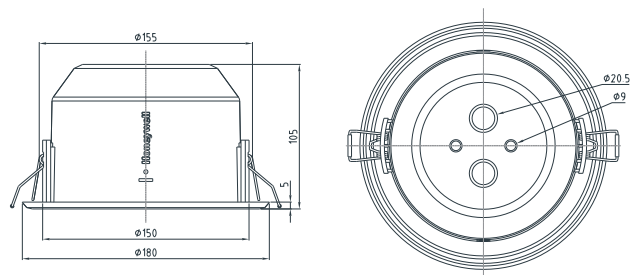
### Installation/Configuration Notes

There are spring arms inside the loudspeaker, enable it to be installed in the ceiling at the thickness of 5 to 25 mm.

The four-pole screw plastic block is set for line connection, on which there are soft lines of different color to match different power terminal. Three power taps are provided for choice, including full power, half power and a quarter power.

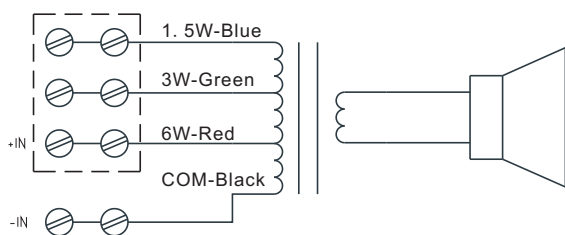
The optional back dome can protect the loudspeaker from the harm of any dust, falling objects and insect, and meanwhile prevent the sound to spread adjacent area via the ceiling cavity.

The back dome can be connected with loudspeaker through the snap structure, on which there are two grommets (9 mm) and two cable glands' (20.5 mm) holes for line connection.

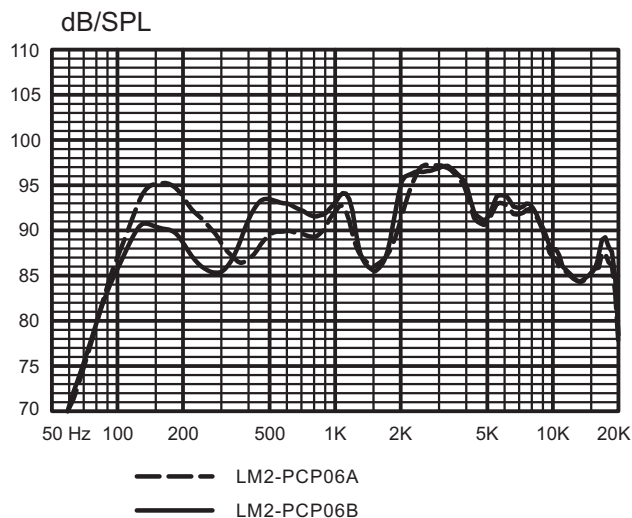


Dimensions in mm

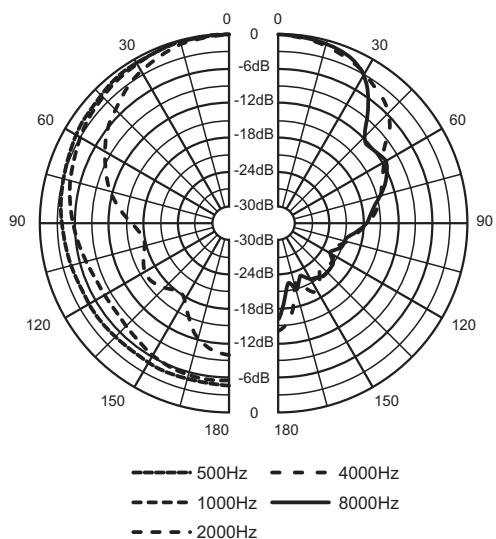
## Circuit Diagram



## Frequency Response

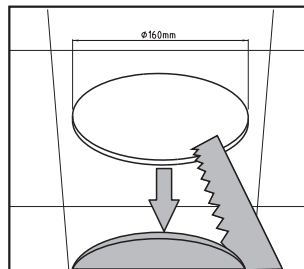


## Dispersion Angles

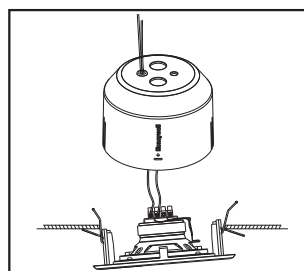


## Installation Instructions

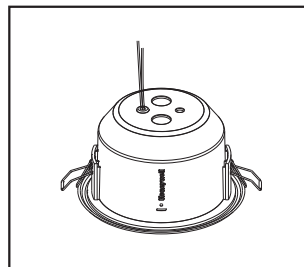
1. Open a hole at diameter of 160 mm on the ceiling



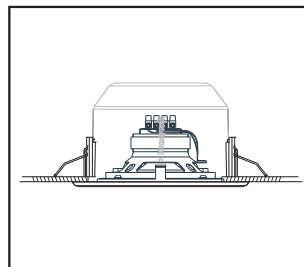
2. Put the cable through the hole of the back dome, then connect it to the plastic terminal on the back of the loudspeaker. For LM2-PCP06A, connect the cable to the the plastic terminal directly.



3. Align the slot of the back dome to the right place, and fix it. For LM2-PCP06A, please ignore this step.



4. Push the loudspeaker to the ceiling hole using the spring, then the loudspeaker will be fixed automatically.



## Honeywell

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