

## PSS5-LP 5W Ceiling Speaker 150 mm (6")

### Overview

The PSS5-LP is a 150 mm (6") in-ceiling speaker with built-in 100 Vrms line transformer and 22  $\mu$ F DC blocking capacitor. The 100 V transformer reduces line losses for longer line distances and allows easy parallel connection of multiple loudspeakers. The blocking capacitor allows DC monitoring of the speaker circuit.

The 150 mm speaker is designed for a wide frequency response of 130 Hz – 13 kHz. The unit has multiple power taps of 0.33 W, 0.66 W, 1.25 W, 2.5 W, and 5 W, for different applications, depending on room size and ambient noise conditions. The all-metal body is painted in an attractive RAL9016 white colour. The spring clamps make for an easy and secure installation and ease of service access.

The PSS5-LP is an ideal choice for industrial and commercial applications such as in hotels, schools, offices, hospitals, and factories. Note, however, that this speaker is not appropriate in situations where exposure to moisture, extreme humidity, severe vibration, dust, smoke, static electricity, or steam is expected.

The PSS5-LP can be used with the PSS5-LPSME surface mount enclosure for surface mounting applications.



### Features

- Quick-fit mounting clamps for ceiling installation
- Built-in 100 Vrms transformer with protective cover
- 22  $\mu$ F bipolar blocking capacitor included
- 150 mm (6") speaker unit
- Power taps of 0.33 W, 0.66 W, 1.25 W, 2.5 W and 5 W @ 100 V
- All-metal components include grille and baffle
- Powder coated finish in RAL9016 White

## Specification

Audio Power taps available at 100Vrms:	0.33 W, 0.66 W, 1.25 W, 2.5 W, and 5 W
Sensitivity:	92 dB (1W @ 1m)
Ceiling Hole Size for installation:	155 mm diameter
Dimensions:	180 diameter x 75mm height
Weight:	700 g

## Installation Steps

1. Cut a 155 mm diameter hole in the ceiling. If required cut an extra section, 12.5 mm deep by 65 mm wide to allow the transformer to fit more easily.
2. Ensure that all three spring clamps are in the *Install position*, as shown below.
3. Fit audio cabling to the speaker terminal block as required, observing the correct polarity
4. Set the initial power tap as desired. The default setting, on the side of the transformer, is 0.33 W. Unplug the connector and fit to the desired tap.

### NOTE:

The tap connector is fitted with a safety spring lock to eliminate the risk of disconnection while in service.

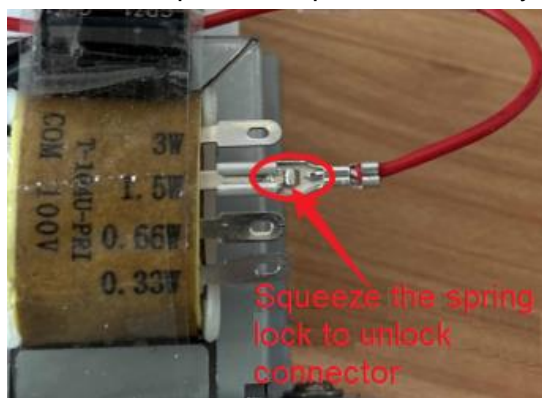


A tap connector with no safety spring lock



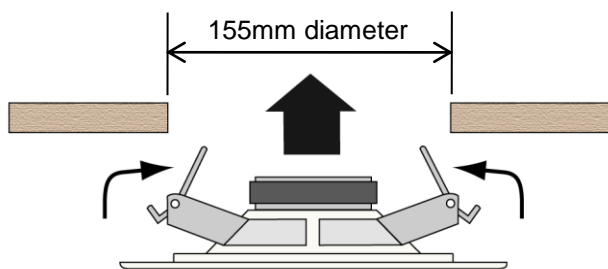
Tap connector with safety spring lock

Squeeze the safety lock with finger and thumb to unlock the connector. If necessary, use needle-nose pliers to squeeze the safety lock.

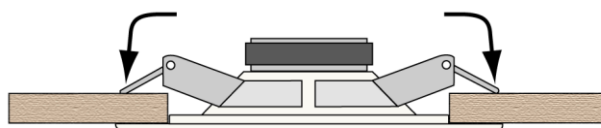


Gently pull the connector to unplug it and fit it to the desired tap.

5. Ensure that the two spring clamps are in the *Install position*, as shown below
6. Push the speaker assembly upwards into the ceiling hole until all three clamps automatically engage, as shown below.
7. Test the sound system and if necessary, remove the speaker to adjust the power tap accordingly.



3 quick-mount clamps in *Install position*



Clamps automatically engage ceiling

To remove the speaker assembly from the ceiling, gently pull the speaker downwards to disengage the clamps. Do not allow the speaker to be supported by the cables alone.

### Order Code:

Product Code	Description
PSS5-LP	150mm (6") Ceiling Speaker 5W 155mm Cut Out, White, Low Profile
PSS5-LPSME	PSS5-LP Speaker Surface Mount Enclosure

### Document Change History

Issue Number	Change Note	Description of Changes	Author
Issue 1.0 Nov 2013		New installation note	HB
Issue 1.1 Nov 2015			SMcK
Issue 2.0 Feb 2024		Update safety spring lock terminal connector	RJK
Issue 2.1 April 2024	CN3447	Update specifications	RJK