

PSS3 3W Ceiling Speaker 100mm (4.0")

Overview

The PSS3 is a 100mm (4.0") in-ceiling speaker with built-in 100 VRMS line transformer and 22 μ 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 100 mm speaker is designed for a wide frequency response of 100 Hz – 16 kHz. The unit has multiple power taps of 0.33 W, 0.66 W, 1.25 W and 3 W, for different applications, depending on room size and ambient noise conditions. The body is coloured in an attractive RAL9016 white colour, the spring clamps make for an easy and secure installation and ease of service access.

The PSS3 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.



Features

- Quick-fit mounting clamps for ceiling installation
- Built-in 100 VRMS transformer with protective cover
- 22 μ F bipolar blocking capacitor included
- 100 mm (4.0") speaker unit
- Power taps of 0.33 W, 0.66 W, 1.25 W and 3 W @ 100 V
- Plastic speaker body colour is RAL 9016 White

Specification

Audio Power taps available at 100 VRMS:	0.33 W, 0.66 W, 1.25 W and 3 W
Sensitivity:	88 dB (1 W @ 1 m)
Ceiling Hole Size for installation:	108 mm diameter
Dimensions:	136 mm diameter x 100 mm height
Weight:	550 g

Installation Steps

1. Cut a 108 mm diameter hole in the ceiling.
2. Fit audio cabling to the speaker terminal block as required, observing the correct polarity.
3. Set the initial power tap as desired. The default setting, on the side of the transformer, is 0.33 W.

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



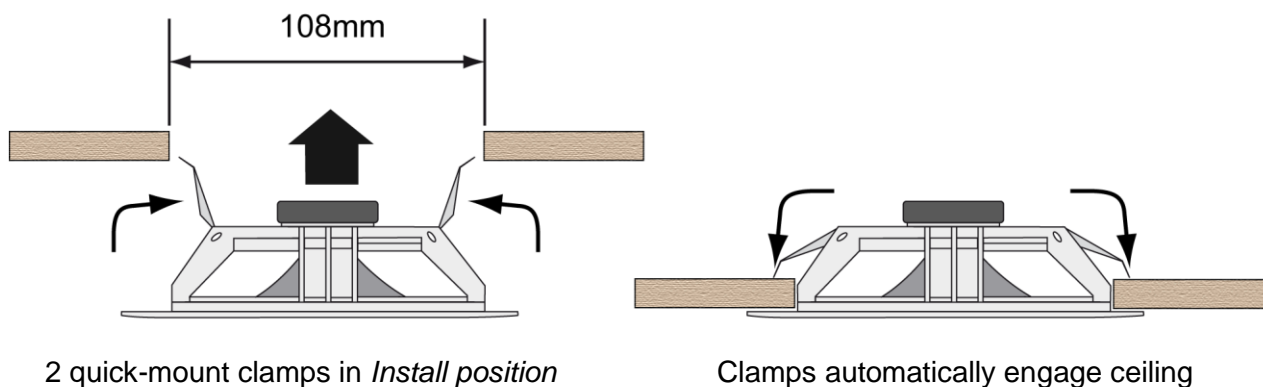
Supplied tap connector with safety spring lock

Squeeze the spring lock with needle-nose pliers, and gently pull to unplug the connector. Alternatively the connector insulation may be slid back onto the wire, out of the way, to provide better access to the spring lock. Remember to push the insulation back after the terminal has been disconnected.



Fit the terminal to the desired tap.

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



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	
PSS3	100mm (4.0") Ceiling Speaker 3 W 108 mm Cut Out, White

Document Change History

Issue Number	Change Note	Description of Changes	Author
Issue 1.0 Oct2013		New installation note	HB
Issue 2.0 April 2014			SS
Issue 2.1 Nov 2015			SS
Issue 2.2 Jan 2024		Update safety spring lock terminal connector	RJK
Issue 2.3 April 2024	CN3446	Update specifications	RJK