

PERTRONIC INDUSTRIES LTD

DATASHEET

In-Ceiling Loudspeakers (PSS5) (PSS5-LP)



Overview

The 100 mm Ceiling Speaker 5 W is available in either standard (PSS5) or low profile (PSS5-LP) format. The two versions differ in the location of the transformer mount, the transformer being fitted behind the magnet on the PSS5 and beside the magnet on the PSS5-LP.

The PSS5 and PSS5-LP have a wide frequency response suitable for fire evacuation and public address applications.

To ensure compatibility with commonly-used fire evacuation systems, the speaker models incorporate a series blocking capacitor and 100 Vrms line transformer. The 100 Vrms transformer reduces line losses for long line distances and allows easy parallel connection of multiple speakers. The 22 μ F dc blocking capacitor allows dc monitoring of the speaker circuit.

The spring clamps ensure simple, but secure installation and easy service access.

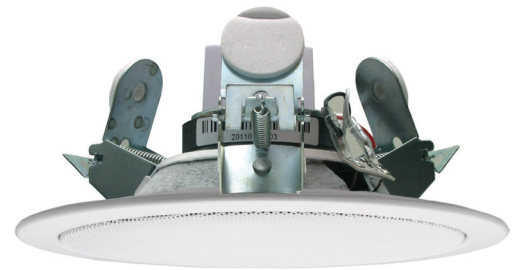
The PSS5-LP can be used with the PSS5-LPSME for surface mount applications. The PSS5 is not compatible with the PSS5-LPSME.

Features

- » Wide frequency response suitable for emergency warning, voice alarm, and public address
- » Selectable power tapings: 0.33 W, 0.66 W, 1.25 W, 2.5 W & 5 W
- » Sound pressure, 92 dB SPL at 1 Watt, 1 metre, 1 kHz
- » Fitted with series blocking capacitor and 100 Vrms line transformer with protective cover
- » Compatible with fault supervision systems on typical fire alarm 100 V line systems
- » Line in / line out termination system
- » Removable quick-fit mounting system
- » Fits 155 mm cut-out
- » Metal grille & baffle
- » Powder coated white (RAL9016)
- » Surface-mount enclosure available (PSS5-LPSME) for PSS5-LP

Specifications

Operating Voltage		100 Vrms
Maximum Power		5 W
Sound Pressure Level (1 W @ 1 m)		92 dB
Frequency Response		130 Hz to 16 kHz
Dimensions (Dia x H)	PSS5	180 x 90 mm
	PSS5-LP	180 x 75 mm
	PSS5-LPSME	230 x 80 mm
Weight	PSS5	690 g
	PSS5-LP	700 g
	PSS5-LPSME	235 g
Mounting	PSS5, PSS5-LP	Spring- clamp
	PSS5-LPSME	3 x Screws
Cut-out Size		155 mm (PSS5, PSS5-LP)



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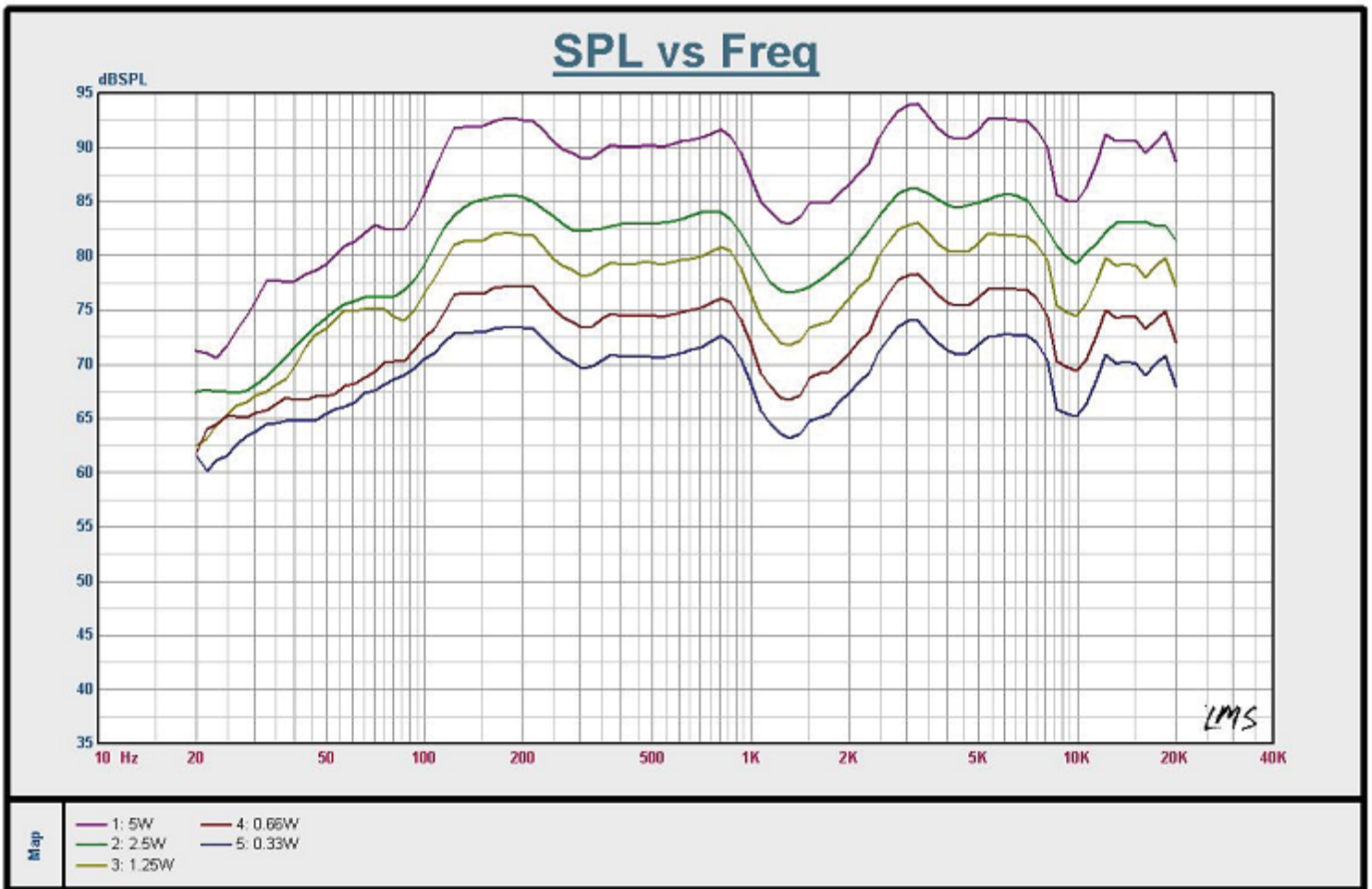


Pertronic In Ceiling Loudspeakers



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Speaker Frequency Response (PSS5 & PSS5-LP)



Ordering Information & Notes

Product Code	Description
PSS5	PSS5100mm Ceiling Speaker+Line TX 0.33/0.66/1.25/2.5W/5W
PSS5-BK	PSS5 Black 100mm Ceiling Speaker+Line TX 0.33/0.66/1.25/2.5W/5W
PSS5-LP	100 mm Ceiling Speaker, 100V-Line, Low Profile 0.33/0.66/1.25/2.5W/5W
PSS5-LPSME	PSS5-LP Speaker Surface Mount Enclosure V4

The information in this document must not be treated as partial or complete instructions for the design, construction, installation, commissioning, or maintenance of fire detection, fire alarm, or building evacuation systems. Fire and evacuation systems must be designed and installed by properly qualified persons, in accordance with all regulatory requirements.

Unless explicitly stated otherwise, this document provides typical specifications and nominal dimensions. Actual product performance and dimensions may vary.

All information in this document is subject to change. Please consult Pertronic Industries or visit our web site for up to date information.

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