

1 Watt, 100 Vrms Speaker (PSS1)

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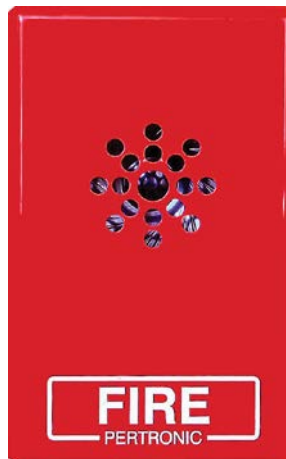
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Product Overview:

The **Pertronic PSS1** Speaker is one of a range of 100 Vrms Line speakers (1.1 W max.) manufactured by Pertronic.

- ▶ Used in conjunction with Pertronic 100 Vrms Line Amplifiers, or audio distribution modules, the **PSS1** provides a cost effective solution for speaker-based building evacuation systems that must comply with the NZS 4512:2010 and AS 2220 Standards
- ▶ Integrates a 1 W speaker; tapped line transformer and DC blocking capacitor within a PDL style flush plate
- ▶ May be mounted in a standard single gang electrical flush-box fitting, and is supplied with a protective plastic cover for installation and building construction use
- ▶ Defaults to 0.2 W with a choice of mini-jumpers to select 0.7 W or 1.1 W power outputs
- ▶ At 1.1 W the **PSS1** can reproduce the 'Evacuation' tone at a sound pressure level of 97 dBA at 1 metre, when used with Pertronic 100 Vrms amplifiers



Operation:

- ▶ The Amplifier Line output is connected to the **PSS1** Speaker, as shown in Figure 2
- ▶ The Amplifier Line terminals '+' and '-' are connected to the corresponding **PSS1** '+' and '-' terminals
- ▶ A 10 kΩ, 2 W EOL resistor is placed at the last **PSS1**
- ▶ The **PSS1** consumes no power unless audio is broadcast on the 100 Vrms line
- ▶ The line is supervised by the application of an inverted DC voltage to the **PSS1** '+' terminal

Specifications:

Dimensions:	17 x 74 x 12 mm (H x W x D)	- above flush-box
		- designed to fit into a standard single flush-box or surface-mount box.
Colour Options:	Red or White	
Sound Level Output:	Sound pressure level at 1.1 W, 1 m (peak ± 3 dB)	
	Power Tap selected:	0.2 W 0.7 W 1.1 W
	Evacuation:	73 dBA 94 dBA 97 dBA
	Alert: 63 dBA	82 dBA 86 dBA
Frequency Response:	400 Hz – 10 kHz	
Input Capacitor:	2µ2F, 100 V Bipolar Electrolytic ELCO	
Maximum Line Voltage:	100 Vrms	



Certificate No:

205487-2016-

AQ-AUS-JAS-ANZ

Sound Distribution Diagram:

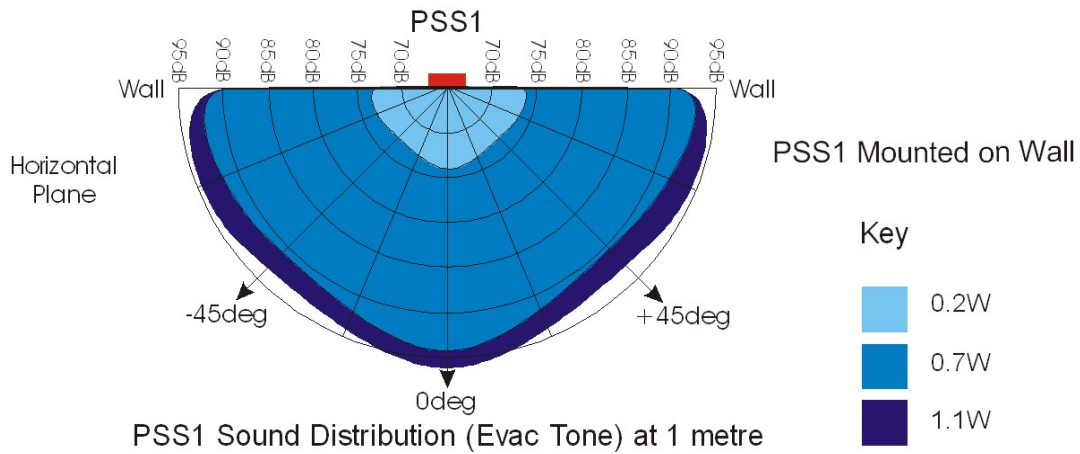


Figure 1

Connection Diagram:

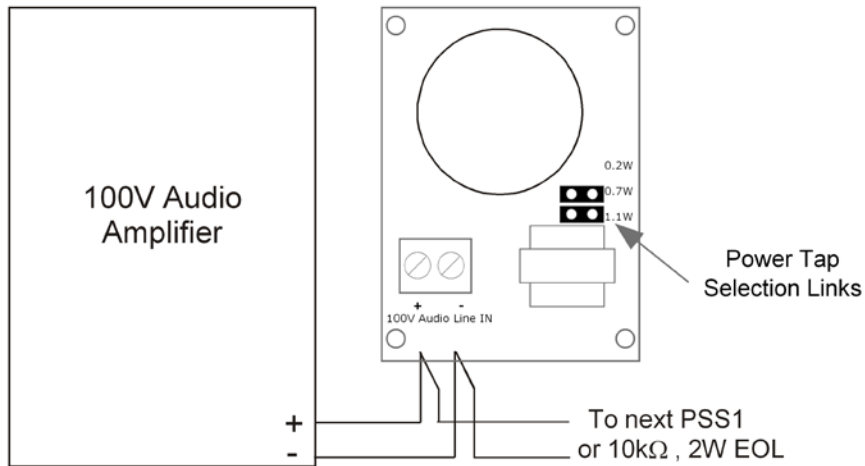


Figure 2

Ordering Information:	
Product Code	Description
PSS1-R	Pertronic Sounder Speaker 1W Flush Red
PSS1-W	Pertronic Sounder Speaker 1W Flush White

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