

1 Watt, 100VRMS Speaker

with Isolator and Analogue Addressable Base (PSSB524IEFT)

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Product Overview:

The Pertronic PSSB524IEFT Speaker is one of a range of 100VRMS Line speakers (1.1W max) manufactured by Pertronic Industries Ltd:

- Used in conjunction with Pertronic 20W and 50W, 100VRMS Line Amplifiers, the PSSB524IEFT provides a cost effective solution for speaker-based building evacuation systems that must comply with the NZS4512:2010/NZS4512:2003 and AS2220 Standards.
- Integrates a 1W speaker; tapped line transformer and DC blocking capacitor mounted in an aesthetically pleasing acoustic enclosure, which includes a System Sensor B524IEFT Analogue Addressable

detector base with integral Isolator.

- The PSSB524IEFT has mini-jumpers for selecting one of 0.2W, 0.7W, or 1.1W power outputs.
- At 1.1W the PSSB524IEFT can reproduce the 'Evacuation' tone at a sound pressure level of 98dBA at 1 metre, when used with Pertronic 100VRMS amplifiers

Operation:

- The panel loop output and amplifier line output are connected to the PSSB524IEFT Speaker as shown in Figure 1.
- Terminals are provided for both analogue loop and 100VRMS line connections and LED output connections.
- The Loop '+' and '-' terminals are connected to the corresponding PSSB524IEFT Loop '+' and '-' terminals.
- If the loop develops a short-circuit, the isolator base opens the circuit allowing the loop analogue loop to operate under fault

conditions and automatically restore when the fault is removed

- The amplifier's line terminals '+' and '-' are connected to the corresponding PSSB524IEFT Line '+' and '-' terminals.
- If the amplifier is not active, the 100VRMS line is monitored by the application of an inverted DC voltage to the PSSB524IEFT Line '+' terminal.
- 359 Onehunga Mall ▶ The PSSB524IEFT consumes no power in monitor mode.
 - A 10kΩ, 1W monitor resistor is placed at the last PSSB524IEFT.
 - When the Amplifier is active, the monitoring DC voltage is removed from the line output and the 100VRMS signal is applied, causing the PSSB524IEFT to operate.

Specifications:

Dimensions: When recessed:

Height below ceiling

Height above ceiling 35mm With Surface Mount Extension Cover 73mm Diameter of Mounting Flange 122mm.

Colour Options:

Sound Level Output: Sound pressure level at 1.1W, 1m (peak \pm 3dB)

> Power Tap selected: 0.2W 0.7WEvacuation: 77.8dBA 98.9dBA 98.7dBA Alert: 64dBA 83.5dBA 85.3dBA

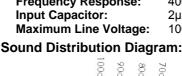
Frequency Response: 400Hz - 10kHz

2µ2F, 100V Bipolar Electrolytic ELCO

100VRMS

ISO 9001: 2008

International Standards Certifications QAC/R64/0012



PSSB Ceiling Ceiling Vertical PSSB524IEFT Mounted in Ceiling Plane Key +45deg

0deg PSSB524IEFT Sound Distribution (EVAC Tone) at 1 metre





Access hole to LED output.

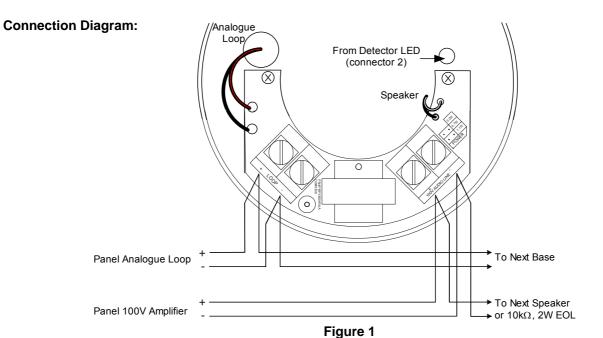


38mm (including B501 base)

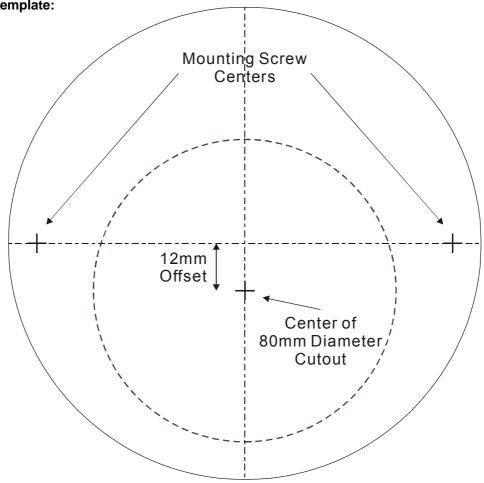
1 1W

0.2W

0.7W







Product Codes:

oddol oodca.			
	NZS Code	Description	NZFPA Listing No
	PSSB524IEFT	Pertronic Speaker with B524IEFT Isolator Base	PI/641
	PSSB501	Pertronic Speaker with B501 Analogue Base	PI/641

PERTRONIC INDUSTRIES LTD

Figure 2

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