



# PSB Sounder Base

(Analogue Addressable Systems Only)



The **Pertronic PSB Sounder** generates the evacuation tone as specified by AS2220. The **PSB** can also be used to generate an alert signal acceptable to NZS4512:1997 by giving an evacuation tone sweep every 15.5 seconds.

The **PSB** has a maximum sound pressure level of 95dBA with a sound distribution pattern as shown below.

The **PSB** is connected to an analogue addressable loop through the base connections, and internally to the LED drive output of the analogue addressable detector. The **PSB** will sound the evacuation tone when the detector is in alarm.

The **PSB** may also be powered from a monitored bell or sounder circuit of a fire alarm panel. If the bell circuit is reversed when the detector is normal, the evacuation tone will be sounded.

The **PSB** is normally mounted by recessing it into the ceiling. A mounting ring is available for surface mounted applications.



### **Specification:**

Dimensions:	When recessed:	
	Height below ceiling	31mm (including B501 base)
	Height above ceiling	35mm
	With surface mounted extension cover	66mm
	Diameter of mounting flange	122mm
	Surface mounted extension cover	35mm height

Colour: Beige.

Sound Level Output:	Sound pressure level at 1m ( $\pm 3$ dB)	Alert, Evacuation:
		87dBA (15V)
		95dBA (24V)

### **Ordering Information**

Part No.	Description
PSBAA	Sounder with Analogue Addressable Detector Base.
PSBMR	Mounting Ring for surface mount conversion.

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**PERTRONIC INDUSTRIES LTD**  
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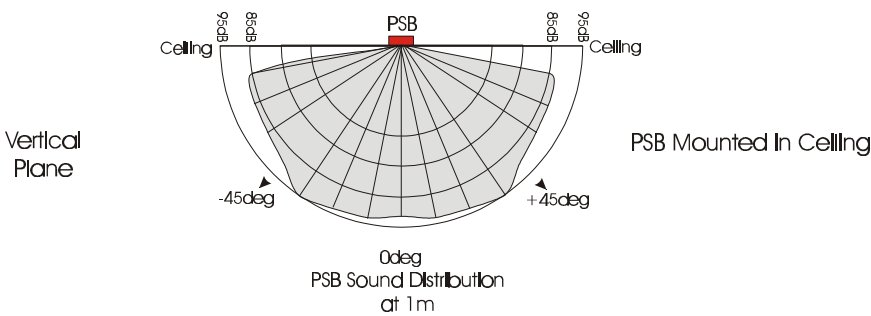
Telephone: (64) 4 567 3229  
Fax: (64) 4 567 3644  
email: sales@pertronic.co.nz

Power Requirements: **ANALOGUE LOOP** connection only:  
 Operating Voltage 15V to 30Vdc  
 Quiescent current (non alarm) 0.4mA (24V) (**ANALOGUE LOOP**)  
 Operating current (alarm state) 8mA average, 12mA peak, (15V)  
 14mA average, 22mA peak, (24V).

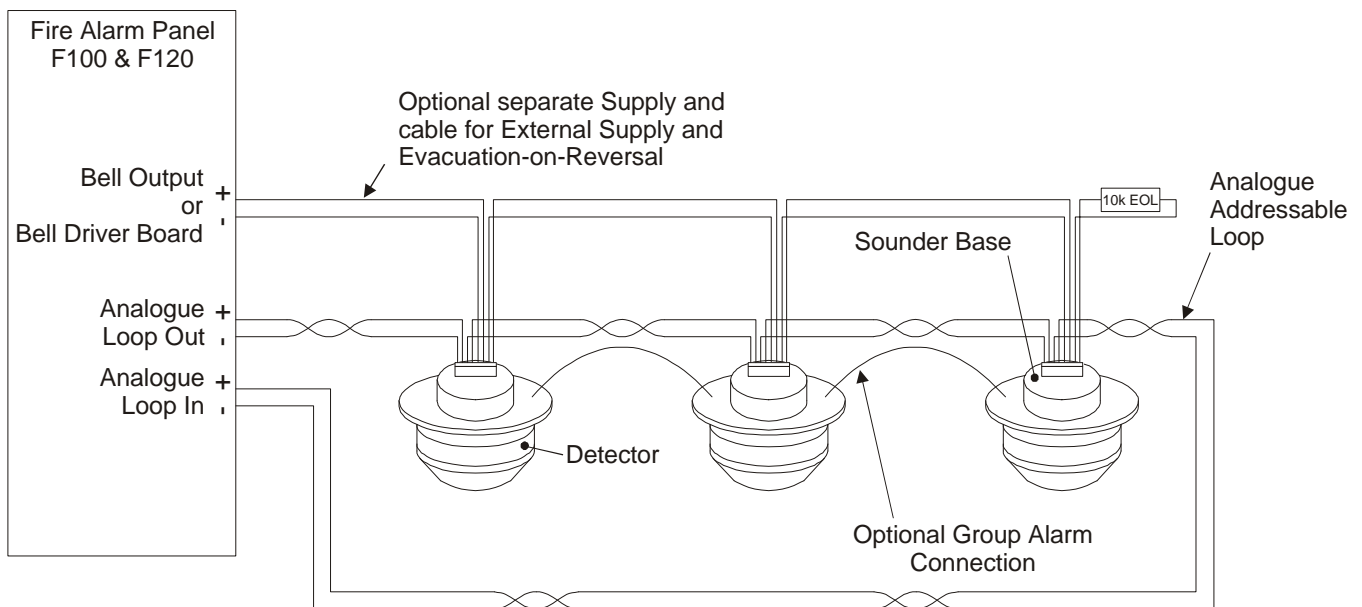
**BELL DRIVER** connected (with **ANALOGUE LOOP**):  
 Quiescent current (non alarm) 0.2mA (24V) (**ANALOGUE LOOP**)  
 0.2µA (24V) (**BELL DRIVER**)  
 Operating current (alarm state) 8mA average, 12mA peak (15V)  
 14mA average, 22mA peak (24V).

Operating current sourced from the supply with the greater voltage (usually **BELL DRIVER**).

**Sound Pressure Distribution (24V):**



**General Connection Diagram**



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