

PERTRONIC INDUSTRIES LTD

DATASHEET

Addressable Sounder Base

PSB-T3



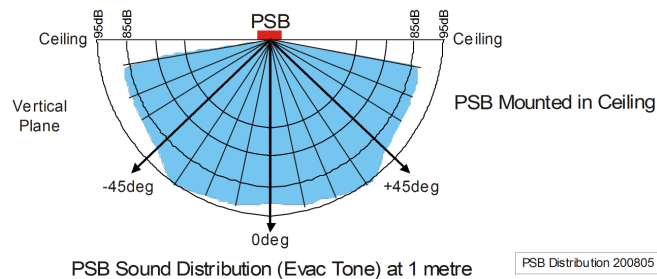
Overview

The Pertronic Sounder Base (PSB-T3) is an addressable plug-in detector base with built-in audible alarm sounder. The PSB-T3 generates an audible signal when the detector is in alarm, or when directly activated by a bell or WARN SYSTEM circuit.

The PSB-T3 generates an ISO 8201 T3 evacuation signal. It can also be used to generate an alert signal.



Pertronic PSB-T3 Sounder Base with 2251BPI-IV Detector



Sound Pressure Distribution (24V)

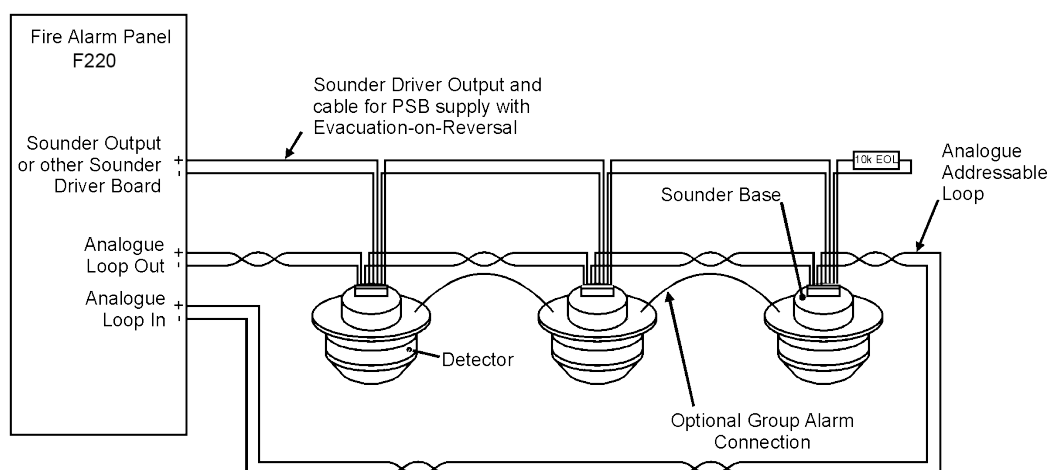
Features

- High sound pressure level, up to 95 dB at 1 metre with 24 V dc
- Can be powered directly from the analogue addressable (AA) loop for local warning (reduced output level), and/or to a monitored warning system circuit for global activation
- Multiple sounders can be activated together from a single detector alarm
- Alert or Evacuate (configurable) signal from local detector activation
- Can be mounted as surface or semi-recessed
- Accepts System Sensor 200 series analogue addressable detectors
- Remote LED output
- Compatible with Pertronic F220 and F100A fire panels

Specification

Operating Voltage		15 V dc to 30 V dc
Analogue Addressable (AA) loop connection only	Quiescent Current	1.5 mA
	Alarm Current	8 mA Average 12 mA Peak
WARN SYSTEM connected, with AA Loop	Quiescent Current	0.2 mA @ 24 V dc from AA loop 0.2 µA @ 24 V dc Warn System
	Alarm Current	8 mA average, 12 mA peak @ 15 V dc 14 mA average, 22 mA peak @ 24 V dc Note: Alarm current is sourced from the supply with the greater voltage: Usually WARN SYSTEM
Sound Level Output at 1m		87 dBA (Loop Powered) 95 dBA @ 24 V dc
Maximum Grouped Sounder Bases		5
Colour		Ivory
Dimensions	Height below Ceiling (Recessed)	31 mm (including Base)
	Height above Ceiling (Recessed)	38 mm
	Height below Ceiling (Surface)	71 mm
	Mounting Flange Diameter	125 mm
	Surface Mount Spacer Height	Add 40 mm

Connections



Ordering Information

Product Code	Description
PSB-T3	Pertronic Addressable Sounder Base with T3 Tones

NOTE: The PSB-T3 is not compatible with the 7351 AA Pinnacle High-Sensitivity Photoelectric Detector.

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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