

PERTRONIC INDUSTRIES LTD

DATASHEET

Wireless Remote Vibrating Alarm System



Overview

The Pertronic Remote Vibrating Alarm System aims to alert and wake sleeping occupants in the event of a fire alarm. The system is especially suited for deaf or hearing impaired occupants who may not respond to normal audible alarms.

The system consists of a Transmitter Unit providing wireless control of up to eight Receiver Units. Each Receiver Unit controls a vibrating bed-shaker positioned under the pillow or mattress. The Receiver Unit also provides an output for a visual alarm device, such as a strobe.

In the event of a system fault the system provides audible and visual alerts.

One Pertronic fire panel can drive multiple Vibrating Alarm Transmitter Units.



Vibrating Alarm Receiver Unit installs near the bed



Bed Shaker fits under pillow or mattress

Features

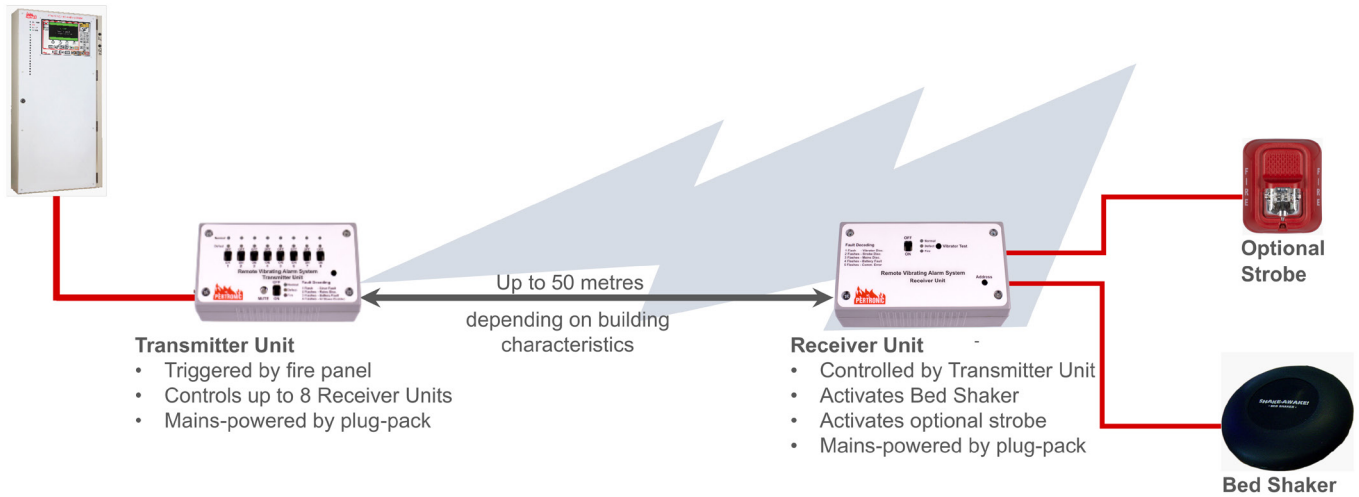
- » Compatible with all current Pertronic fire panels
- » Wireless communication
- » Up to eight Receiver Units per system
- » Receiver Units easily added to or removed from an existing system
- » Wireless range: > 50 metres unobstructed, dependent on building structure
- » Small, robust case design suitable to be placed under or beside a bed
- » Easy to operate user interface
- » System status is monitored by the fire panel, raising a defect if the system fails
- » Receiver Unit has ON/OFF switch and strobe drive output for optional external strobe
- » Automatic and Manual Test button for checking bed shaker operation

Specification

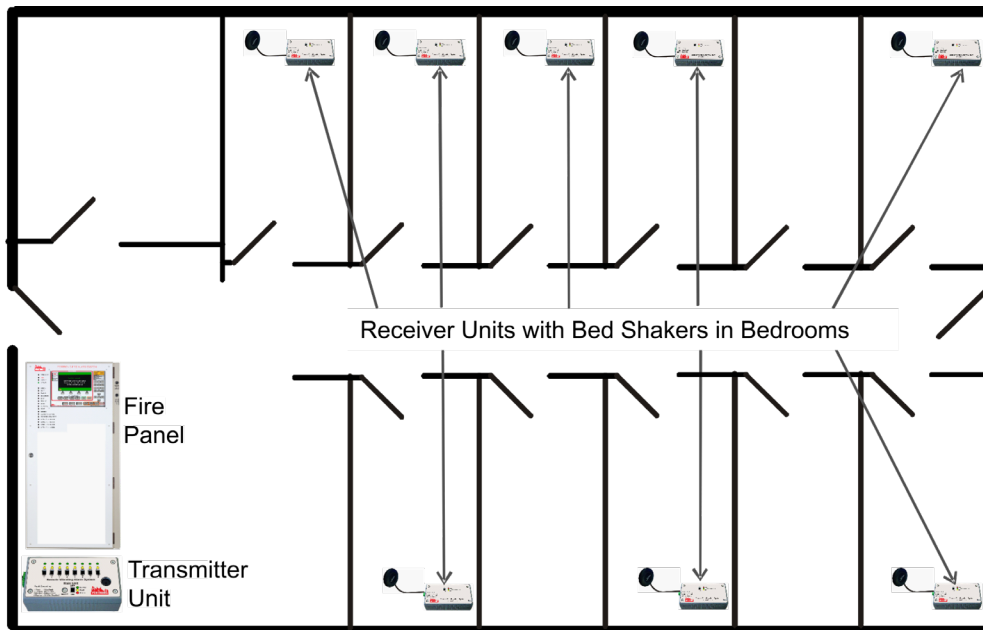
Operating Voltage		16 V ac 24 VA Mains Adapter
Battery Backup		12 V 700 mAh sealed lead-acid. Provides 17-hour standby
Current	Quiescent	25 mA
	Alarm	Transmitter Unit 500 mA maximum Receiver Unit 250 mA maximum per receiver, strobe extra (+250 mA maximum)
Dimensions (H x W x D mm)		153 x 83 x 50
Weight (excl. battery)	Transmitter Unit	200 g
	Receiver Unit	250 g
Operating Temperature		0 to +40 °C
Operating Environment		10 to 95 % RH (non-condensing)
Material		ABS Plastic
Colour		Black/White
RF Frequency		433 MHz – ISM Band

Note: Batteries not included. The transmitter and receiver units are supplied without batteries. Each unit requires a 12 Volt 0.7 Ah gel type lead-acid battery. Please refer to the installation note for details.

System Connections



Typical Installation



Ordering Information & Notes

Product Code	Description
VIBATX	Remote Vibrating Alarm Main Transmitter Unit
VIBARX	Remote Vibrating Alarm Receiver Unit
VIBPAD	Vibrating Pad with Lead & 2 Way Plug
ACPP16V1.5A	Power Pack: 230 V ac to 16 V ac @1.5 A

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.

PERTRONIC® is a registered trademark of Pertronic Industries Limited.