User Manual

Active Personal Emergency Response System (ActivePERS)
Model Number: AP001

Introduction

ActivePERS is a personal emergency response pendant with patented and clinically validated automatic fall detection algorithms developed by BioSensics, LLC. The key features and benefits of the ActivePERS technology include detecting falls with clinically validated and patented algorithms that virtually eliminate false alarms, monitoring the number of steps taken hourly or daily, and notifying providers when the pendant is not worn by the subscriber.

Activating Your Device

The ActivePERS devices will arrive in a mode designed to save power while sitting on a shelf. In this mode, the sensors will not detect falls or send messages of any kind.

To exit this mode and enter active mode, press and hold the button until the LED turns on, and then release the button. This will take three seconds. Once this occurs, the device will operate in its normal mode.

NOTE: This is a one-time process and cannot be reversed. (i.e. the device cannot go back to shelf-mode after activation.)

Detecting a Fall

In the case of a fall detected automatically, the LED will turn on, and a fall alert message will be transmitted.

Measuring Heartbeats

The devices send heartbeat messages once per hour. These messages contain the accumulated activity information for that time period, with values determined by the number of steps taken divided by 10. For example, if the user took 530 steps in the time period, the activity level will be reported ad 53.

The heartbeat message can be identified by the only signal where both the fall and panic bits are set to zero with the activity level below 255. The activity level is reset after every heartbeat message.

Sending Panic Signal

To send a panic signal, press and release the button. The LED should turn on upon release, and a message will be transmitted to indicate the panic.

Clearing Alarm

To clear an alarm and turn off the LED, press and hold the button until the LED turns off, which will take approximately 10 seconds. This will transmit a clear alarm message, indicated by the activity level being set to 255.

The LED will turn on and remain on after sending a fall or a panic signal. Sending a clear alarm signal will turn the LED off.

Specifications

- Dimension: 1.7" x 1.4" x 0.55"
- RF Transmission Frequency: 345MHz
- Operating Temperature: -30ºC to 60ºC
- Battery Type: CR2450 Lithium
- Battery Life: 1 year
- FCC ID: 2AA5H-AP001

FCC Notice

This device complies with Part 15 of the FCC rules. Operation is subject to the following two conditions:
1. This device may not cause harmful interference.
2. This device must accept any interference that may be received, including interference that may cause undesired operation.

NOTE: Changes or modifications not expressly approved by the BioSensics, LLC could void the user's authority to operate this equipment.