

CONNECTICUT VALLEY HOSPITAL

Physical Therapy Services

PT Equipment Procedure # 46

Re: Wireless Alarm Sensor Unit (Door and Bed Units)

Date: August 29th, 2005

Revised: October 19, 2008

Description:

The wireless alarm is a self-contained motion detector used to alert caretakers of patient movement. It can be mounted on the side or above a bed, or across a doorway to prevent unmonitored patient movement.

Indications:

Patients whose movements should be monitored in an effort to ensure safety.

Door Sensor Alarm Instructions

2 Components

1. Remote Alarm unit should be secured to a wall in the nursing station near the desk. This unit receives a signal when the sensor outside the patient's door has been activated.
2. The wireless PIR sensor is secured outside the patient's door to notify staff when someone enters or exits the room. The transparent window on the alarm sensor needs to be directed to where the movement will occur preferably in a direct line to avoid malfunctioning and false alarms.

Operation of Wireless Alarm System

1. The remote alarm unit (large gray box with yellow light at nursing station) needs to be turned on.
 - a. The volume should be left at low since it is loud at this level.
2. The wireless alarm sensor (smaller gray component outside patient's door) needs to also be turned on with the volume left at the low setting. (This will prevent the alarm from sounding at the sensor)
 - a. There is a 10 second delay to allow the unit to synchronize and the staff to clear the beam before alarm monitoring begins.
3. Once the sensor outside the patient's door senses movement it will send a signal to the remote alarm unit.
 - a. Both the yellow light and an audible alarm sound will occur.

- b. Pressing the large gray button on the remote alarm unit will silence the alarm with the yellow light flashing until the sensor is reset.
- 4. To reset the alarm it is necessary to press the reset button on the bottom of the wireless alarm sensor (smaller gray component outside patient's door)
 - a. You will hear three chirps at the remote alarm unit (large gray box with yellow light at nursing station) followed by two chirps at the sensor unit which indicates the alarm has been reactivated.
- 5. Following each activation episode of the sensor alarm, resetting is necessary to monitor further movement.

Bed Sensor Alarm Instructions

2 Components

- 1. Remote Alarm unit should be secured to a wall in the nursing station near the desk. This unit receives a signal when the sensor along the patient's bed has been activated.
- 2. The wireless PIR sensor is secured to the head and foot of the patient's bed to notify staff when the patient gets out of the bed. The transparent window on the alarm sensor needs to be aimed to where the movement will occur preferably in a direct line to avoid malfunctioning and false alarms.

Operation of Wireless Alarm System

- 1. The remote alarm unit (large gray box with light yellow light at nursing station) needs to be turned on.
 - a. The volume should be left at low since it is loud at this level.
- 2. The wireless alarm sensor (smaller gray component on patient's bed) needs to also be turned on with the volume left at the low setting. (This will prevent the alarm from sounding at the sensor)
 - a. There is a 10 second delay to allow the unit to synchronize and the staff to clear the beam before alarm monitoring begins.
- 3. Once the sensor on the patient's bed senses movement it will send a signal to the remote alarm unit.
 - a. Both the yellow light and an audible alarm sound will occur.
 - i. Pressing the large gray button on the remote alarm unit will silence the alarm with the yellow light flashing until the sensor is reset.
- 4. To reset the alarm it is necessary to press the reset button on the bottom of the wireless alarm sensor (smaller gray component on patient's bed)
 - a. You will hear three chirps at the remote alarm unit (large gray box with yellow light at nursing station) followed by two chirps at the sensor unit which indicates the alarm has been reactivated.
- 5. Following each activation episode of the sensor alarm, resetting is necessary to monitor further movement.