

SPM915

In-bed/Off-bed Monitoring Pad

Quick Start Guide

Safety Handling

WARNING: Failure to follow these safety notices could result in fire, electric shock, other injuries, or damage to the sensor and other property. Read all the safety notices below before using the sensor.

- Avoid high humidity or extreme temperatures.
- Avoid long exposure to direct sunlight or strong ultraviolet light.
- Do not drop or expose the unit to intense vibration.
- Do not disassemble or try to repair the unit on your own.
- Do not expose the unit or its accessories to flammable liquids, gases or other explosives.
- Do not use harsh chemicals or strong detergents to clean the device.
- Do not place it in accessible places to infants and young children. Children should use it under parental supervision.

Technical Specifications

Wireless Connectivity

ZigBee	• 2.4GHz IEEE 802.15.4
ZigBee Profile	• ZigBee 3.0
RF Characteristics	• Operating frequency: 2.4GHz • Range outdoor: 100m (Open area) • Internal PCB Antenna

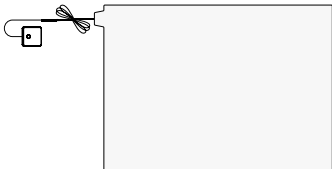
Physical Specifications

Battery	• DC 3V (Two AAA batteries)
Operating environment	• Temperature: -10°C ~+55°C • Humidity: ≤ 85% non-condensing
Mounting Type	• Lay the pressure sensing pad horizontally on the bed

Dimensions

- Sensor:
62(L) × 62(W) × 15.5(H) mm
 - Pressure sensing pad:
723(L) × 510(W) mm
 - Sensor interface cable:
227 mm
 - Pressure sensing pad
interface cable: 1455 mm
-

1 Welcome



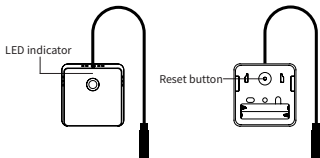
In-bed/Off-bed Monitoring Pad is mainly used to detect the status of the elderly or disabled patients in/out of bed. If the elderly or disabled patients leave the bed, it will notify your family and caregivers immediately through the APP.

This guide will provide you with an overview of the product and help you from initial setup to installation.

Features:

- ZigBee 3.0
- Low power consumption

2 Get to know your device



LED indicator

The LED status gives the following information:

LED status	What it means
LED flashes once	Status switches between in bed/ off bed
When you press the reset button once	
LED flashes three times slowly	Device has joined a ZigBee network.
LED flashes three times rapidly	Device has not joined a ZigBee network.

Reset button

Reset: Press and hold the reset button for 10 seconds to reset the device. The LED indicator will flash 3 times at the 3rd second, and then flash 3 times at the 10th second.

3 Configure Network

3.1 To get started, you will need:

- A Zigbee Gateway.
- A mobile phone with the required APP installed.

3.2 Pairing the sensor with gateway

1. Turn your gateway into pairing mode (check your gateway's manual to learn how to do it).
2. Power on the sensor. Press the reset button on the back of the sensor and check whether the sensor's LED indicator is flashing quickly. If not, the device needs to be reset.
3. Put the sensor close to the gateway. Then it will automatically pair with gateway. If everything going well, you'll see sensor's LED indicator flashes three times slowly.

Note: If the pair fails, please reset the sensor and try again.

4 Installation

1. Place the pressure sensing pad under the hip or waist of the elderly/patient to detect whether the elderly/patient leaves the bed.
2. Place the pressure sensing pad under the shoulder or back of the elderly/patient, which can further detect whether the elderly/patient sits up or turns over in bed.



3. Insert the wire of the pressure sensing pad into the sensor, and then install the battery. At this time, the device begins to enter the monitoring state.

