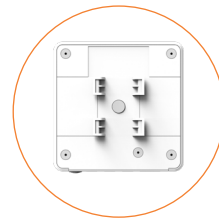


## Products

### – Security & Sensors

**FDS315**

Fall Detection Sensor



## Description

FDS315 Fall Detection Sensor can detect the presence, even if you are asleep or in a stationary posture. It can also detect if the person falls, so you can know the risk in time. It can be tremendously beneficial in nursing homes to monitor and link with other devices to make your home smarter.

## Main Features

- ZigBee 3.0
- Discern presence, even if you are in a stationary posture
- Fall detection (only works on single player)
- Identify the location of human activity
- Out-of-bed detection
- Real-time breathing rate detection during sleep
- Extend the range and strengthen ZigBee network communication
- Suitable for both residential and commercial application

## Main Specifications

Connectivity	
ZigBee	<ul style="list-style-type: none"><li>• 2.4GHz IEEE 802.15.4</li></ul>
ZigBee Profile	<ul style="list-style-type: none"><li>• ZigBee 3.0</li></ul>
RF Characteristics	<ul style="list-style-type: none"><li>• Operating frequency: 2.4GHz</li><li>• Internal PCB Antenna</li><li>• Range outdoor: 100m (Open area)</li></ul>
Physical Specifications	
Operating Voltage	<ul style="list-style-type: none"><li>• Micro-USB</li></ul>
Detector	<ul style="list-style-type: none"><li>• 60GHz Radar</li></ul>
Detection Range	<ul style="list-style-type: none"><li>• Occupancy: 4*6m</li><li>• Fall: 4*4m</li></ul>
Detection time	<ul style="list-style-type: none"><li>• From unoccupied to occupied: ≤ 5s</li><li>• From occupied to unoccupied: ≤ 10 minutes</li><li>• Falling: ≤ 15s</li></ul>
Breathing rate	<ul style="list-style-type: none"><li>• Detection range: 7~45 breaths/minute (Need to rest in bed for more than 40s)</li></ul>
Hanging height	<ul style="list-style-type: none"><li>• 1.6~1.7m</li></ul>
Operating environment	<ul style="list-style-type: none"><li>• Temperature: -10 °C~+50 °C</li><li>• Humidity: ≤ 90% non-condensing</li></ul>
Dimension	<ul style="list-style-type: none"><li>• 86(L) x 86(W) x 37(H) mm</li></ul>
Mounting Type	<ul style="list-style-type: none"><li>• Wall mount</li></ul>