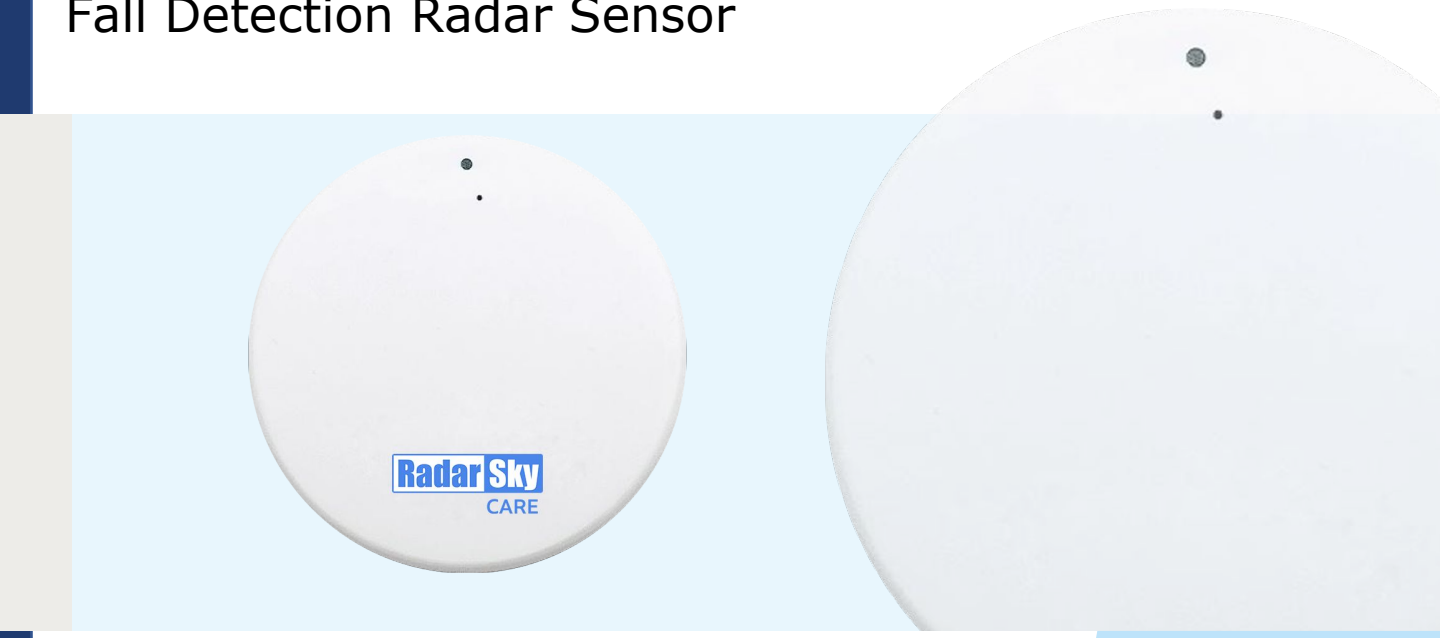
# RadarSky CARE

## Fall Detection Radar Sensor




**Part Number: mmW6012**

### Introduction

The product is a consumer communication and monitoring device for elderly care that monitors a single room environment and outputs information such as fall detection and occupancy of room to a centralized dashboard.

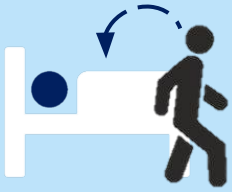
### Intended Audience

- Senior living facilities
- Healthcare facilities
- Smart Home Service Providers
- Home appliance manufacturers

### Advantages

- Privacy – Device is RF based (no optics) therefore privacy is not a concern.
- No wearables – Device is passive, no need to wear a pendant or bracelet.
- Easy installation – Device can be flexibly located on the wall or ceiling.
- Robust – Device works in conditions of steam and humidity, and in any lighting conditions.

**Fall Detection**



**In and Out of Bed Indicator**

**Presence Monitoring**

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**Part Number: mmW6012**

Compact Size | App Control | Privacy Protection

| | |
|---|---|
| **Connectivity** | |
| Communications Technology | 2.4GHz, 802.11 b/g/n |
| **Dimensions and Weight** | |
| Diameter | 9cm |
| Depth | 1.5cm |
| Weight | 110gr |
| **Power supply** | |
| Input Voltage | 5V fed from AC2DC supplier (provided with the device) |
| Power Consumption - Peak | 10W |
| **Radio Sensor** | |
| Technology | mmWave MIMO RF Sensor |
| Frequency Bands | HK: 60GHz / JP:77GHz |
| Field of View | 14° Azimuth |
| | 70° Elevation |
| Sensor Mount and Coverage (currently supported by the FW) | Wall installation at 1.5m height: covering up to 4 x 4 meters* |
| | Ceiling installation at 2.3-3 m height: 4 x 5 meters* |
| Product Features | 1. Fall detection** |
| | 2. Presence** |
| | 3. Presence in zone** |
| | 4. 0 people/1 person/multiple people*** |
| **Reliability** | |
| Room Temperature Range | 0°C-40°C |
| Maximum Humidity | 95% |
| **Certifications** | |
| Certifications | USA/Canada/Europe/China/Taiwan/Australia |
| | (FCC, IC, CE, SRRC, NCC, AU, CB) |

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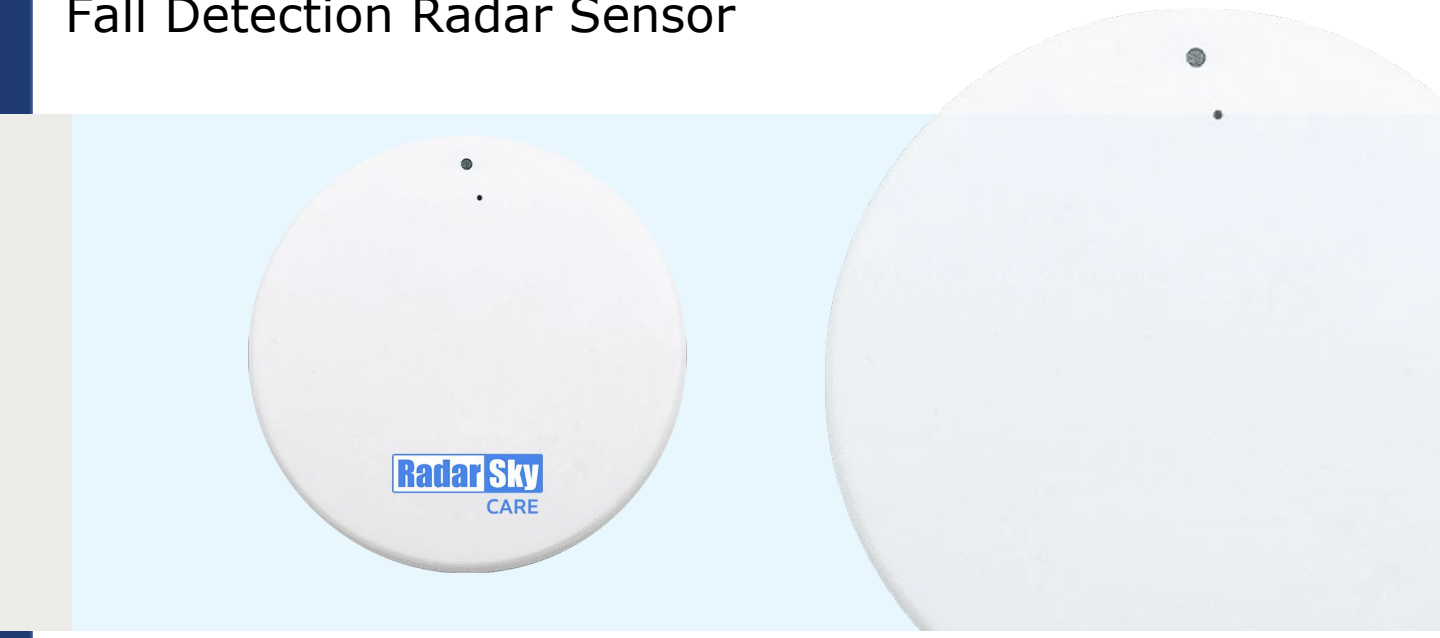



**Part Number: mmW6012**

Compact Size

App Control

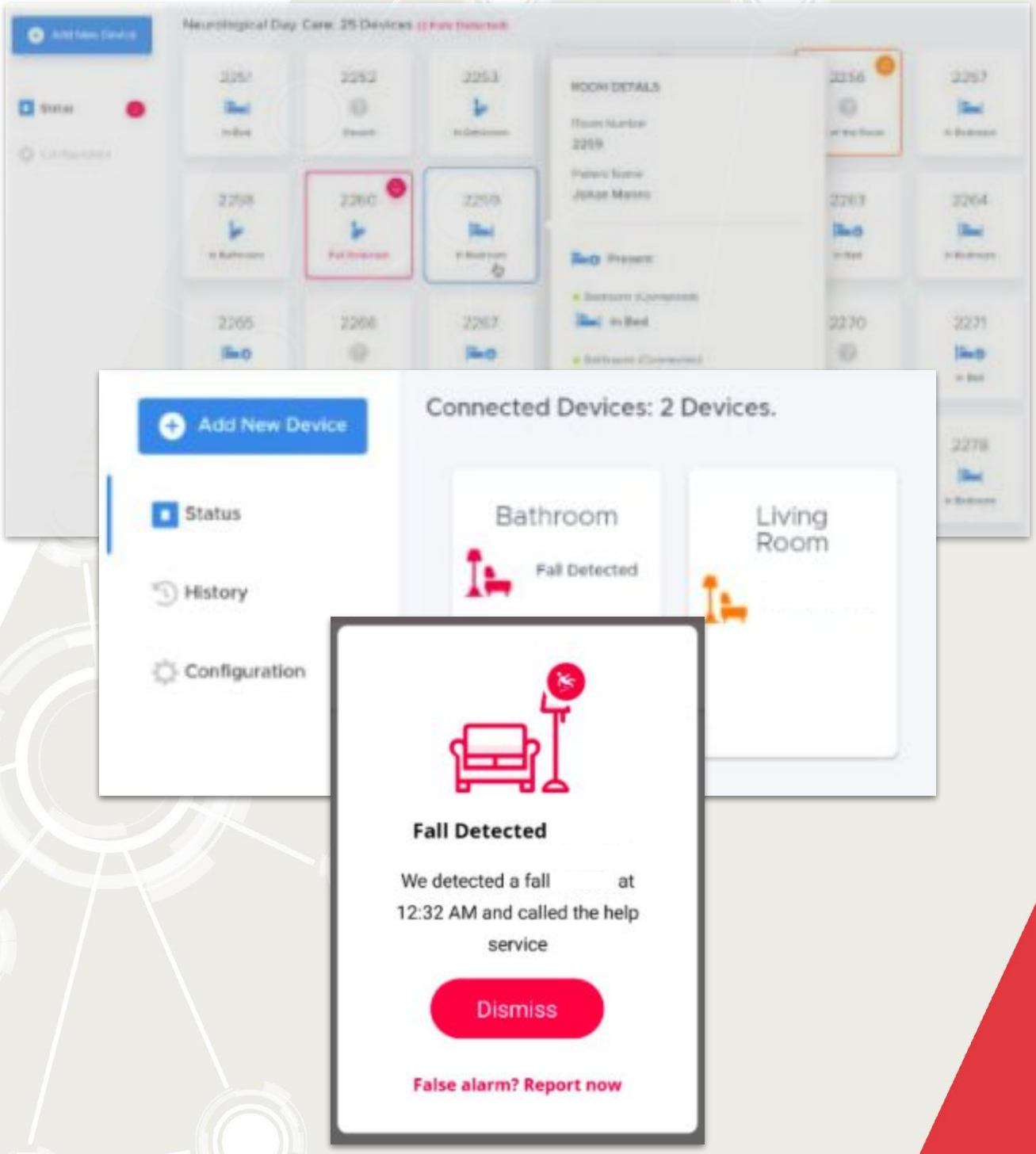
Privacy Protection

### Remark

* Sensor should be placed in the center of the wall/ceiling. Target should be within the sensor field-of-view.

** Accuracy is over 90% in an empty room, while target (height of 1.7m) is within sensor's line of sight. Accuracy is over 80% in a typical room environment (brick/drywall), while target (height of 1.7m) is within sensor's line of sight.

*** Accuracy is over 85% in an empty room, while target (height of 1.7m) is within sensor's line of sight. Accuracy is over 75% in a typical room environment (brick/drywall), while target (height of 1.7m) is within sensor's line of sight.



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