

nexsmart

"Smarter Living Starts Here"

Occupancy Sensor: NEXSE-OH-Z



The **NexSmart Occupancy Sensor** is an advanced human presence detection device designed to enhance automation, comfort, and energy efficiency in residential and commercial environments.

Using **microwave radar sensing technology**, the sensor can detect both motion and micro-movements, allowing accurate presence detection even when occupants remain relatively still. This ensures reliable automation for lighting, HVAC systems, and smart home scenes.

The device supports **Zigbee communication**, enabling seamless integration with NexSmart smart home systems and compatible gateways. With **360° detection coverage**, built-in illumination measurement, and reliable wireless connectivity, the NexSmart Presence Sensor is ideal for smart homes, offices, hotels, and commercial automation environments.

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Key Features

- Advanced radar-based human presence detection
- Detects motion and micro-movement for accurate occupancy sensing
- **360° wide detection coverage**
- Built-in **ambient light sensor (0–1200 Lux)**
- Zigbee wireless communication
- Real-time presence detection
- Reliable performance with strong anti-interference capability
- Low power consumption
- Ceiling-mounted installation design

1- Integration Features

- Compatible with **Smart Home platform**
- Support Zigbee 3.0 communication

2- Smart Automation Scenarios

- Automatically turn lights ON when presence is detected
- Turn lights OFF when the room becomes unoccupied
- Activate HVAC systems based on room occupancy
- Enable energy-saving automation in smart buildings
- Trigger smart scenes when someone enters a room

3- System Connectivity

- **Wireless Zigbee Version**: Requires Zigbee gateway for extended network coverage
- Supports integration with **home automation systems**
- Reliable low-latency communication

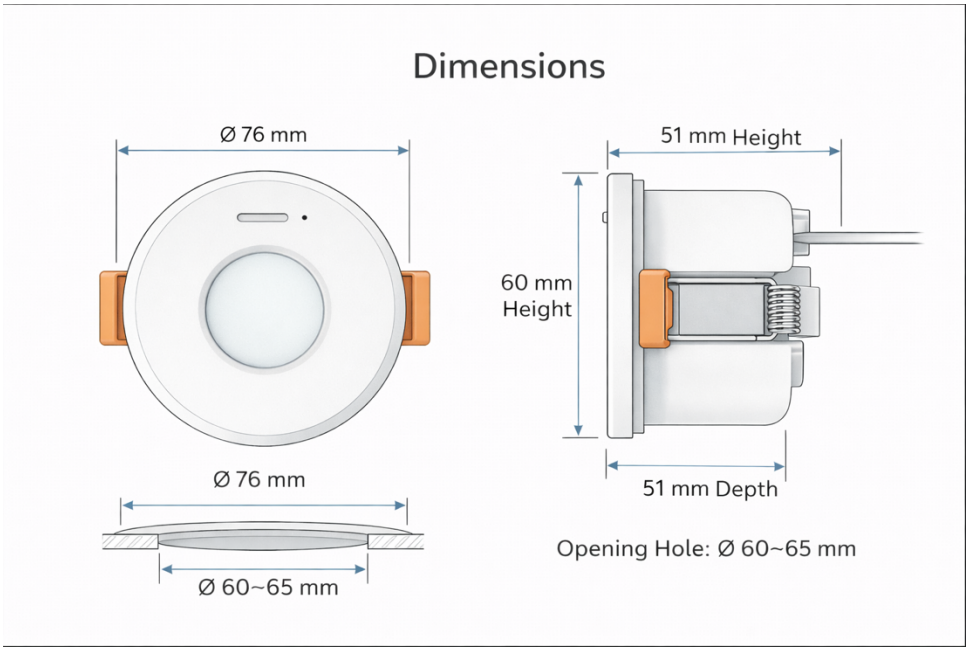
4- Mobile App Control

- Real-time presence monitoring
- Instant automation triggers
- Device status monitoring
- Easy pairing and configuration

5- Benefits for Smart Homes

- Improved comfort through automatic environment control
- Increased energy efficiency through occupancy detection
- Seamless integration with smart home devices
- Scalable solution for residential and commercial installations
- Reliable Zigbee wireless communication

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Technical Specifications

Category	Specification
Model	NEXSE-OH-Z
Communication Protocol	Zigbee 3.0
Communication Distance	70 meters (open area)
Communication Type	Wireless
Detection Technology	Radar Presence Detection
Working Frequency	10.525GHZ
Detection Angle	360°
Detection Distance	Up to 7m
Illumination Measurement	0-1200 Lux
Operating Voltage	100–240V AC 50/60HZ
Installation	Ceiling Mount
Installation height	2.5m~3m
Dimensions	Diameter: 76mm, Height: 51mm
Opening Hole	60~65mm
Operating Temperature	-10°C to +55°C
Operation Humidity	<95%

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