



## Occupancy Sensor OS11/OS12

OS11 (ceiling mount)

OS12 (wall mount)

### Product Detail

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OS11/OS12 is a Z-Wave occupancy sensor based on 24GHz millimeter wave Doppler technology, it can accurately detect and distinguish motion, minor motion and even breathing signals to interact with lights, shutters, fans, air conditioning and various electrical appliances, as well as security alarm, person monitoring etc. Suitable for home, hotel, office and other places, not affected by temperature, humidity, noise, airflow, dust, light and other factors. Sensor can be added into any Z-Wave network, and is compatible with any other Z-Wave certified devices.

### Specification

Power Supply: AC90-250V (optional DC12V)

Comes with 5A dry contact output

Ultra-low RF power output, harmless to human health

Maximum Transmitting Power: +13dbm

Visual LED indicator for pairing network or detecting the movement, minor motion, breathing

Operating Temperature: -10°C-50°C

Operating humidity: 20%-85% (non-condensing)

Z-Wave 800 series, support S2 encryption

Z-Wave Frequency: Operating frequency range, defined by the regulatory bodies (for Z-wave in Europe: 868.4 MHz, or other regions 908.4/916.0 MHz , 921.4 MHz)

Housing: V0 flame-retardant PC material

Installation: Top-mounted or wall-mounted

**Detecting range**

3db horizontal beam angle up to 80°, vertical beam angle up to 85°, with high accuracy and wide detection range.

Maximum range of respiratory presence: 2-3m in diameter

Maximum range of minor presence: 3-4m in diameter

Maximum range of motion presence: 5-8m in diameter

The switch time of detecting absence or presence: within 0.5sec