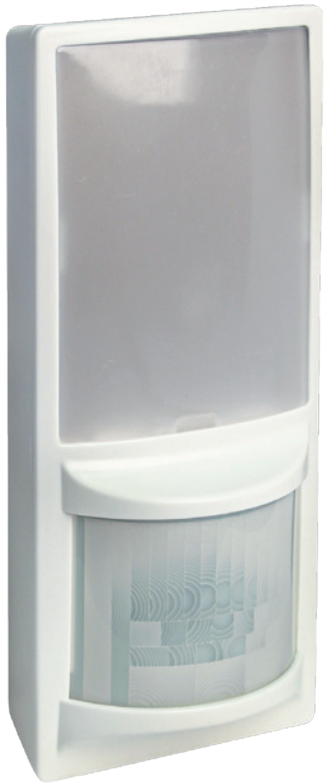
Compatible with
SmartStruxure™ solution
SmartStruxure™ Lite solution

EnOcean 902 MHz

Wireless Wall Mounted Occupancy Sensor SED-WMS

The wireless energy harvesting EnOcean® Wall Mounted Occupancy Sensor is one of the most cost-effective ways to control energy use in unoccupied rooms. It can communicate wirelessly with other EnOcean-enabled products and can be integrated into SmartStruxure and SmartStruxure Lite solutions.



Schneider Electric

EnOcean 902 MHz Wall Mounted Occupancy Sensor SED-WMS

Saving energy without sacrificing comfort can be effortless with occupancy based controls.

The Wall Mounted Occupancy Sensor harvests energy from indoor light and uses radio frequency technology to communicate wirelessly with other EnOcean-enabled devices. This lowers temperature and turns off lights and electrical loads when it detects a space has been unoccupied for a set period of time. The sensor features clean contemporary styling, making it an attractive addition that's sure to compliment any décor.

Features and Benefits

- Communicates wirelessly with other devices using the EnOcean wireless standard
- Self-powered integrated solar cell harvests indoor light to power the device and eliminates the need for wires or batteries
- PIR motion sensor with both wide angle and long range options for maximum efficiency and flexibility in different room settings
- Two molded buttons with LED indicator lights can be used to link and configure the device
- Internal tray accommodates supplemental coin cell battery for use in low light environments

Typical Applications

Self-powered wireless occupancy sensors are the perfect energy saving solution for any space where traffic patterns or occupancy determine the need to power the space. Install the occupancy sensors in guest rooms, living spaces, common areas, or hallways and link them with a HVAC setback module, thermostat or in-line switch module. This ensures the HVAC, lights, and other electronic loads stay on only when they are needed.

Integration

EnOcean devices can be wirelessly integrated to SmartStruxure solution and SmartStruxure Lite solution using EnOcean-enables MPM devices.

MPM devices support many EnOcean frequencies.

Specifications

Dimensions (Sensor)
5.83" H x 2.52" W x 1.8" D
(148mm x 64mm x 45mm)
Mounting Height
6 - 8ft (1.8 - 2.5m) recommended
Power Supply
Indoor light energy harvesting
Optional supplemental battery or 2-wire connector for external power or remote solar cell (3 - 5 VDC)
RF Communications
EnOcean 902 MHz
Transmission Range
80ft (25m)
Motion Detection Range
50ft (15m) wide angle/ 100ft (30m) long range lens
Minimum Operating Light
50 lux (for auto-off only)
Startup Charge Times* (from empty)
Linking = 4 min @ 100 lux
1.5 min @ 200 lux
Motion Transmission = 6 min @ 100 lux
3.5 min @ 200 lux
Light/Walk Test Modes = 5.5 hrs @ 200 lux
Charge Time to Full
9 hrs @ 200 lux
Sustaining Charge Time
3 hours per 24 hours @ 200 lux
Motion Transmission Interval
2 minutes
Unoccupied Transmission
10 and 30 minutes since last motion detection
Heartbeat Transmission
Default = disabled / enabled = 1 hr intervals
Operating Life in Darkness
48 hours (after full charge)
Supplemental Battery Life
Continuous battery-free operation standard
Infrequent Bright Light
20 yrs (with 200 lux for 2 hrs/day, 5 days/week)
Consistent Low Light
15 yrs (with 50 lux for 5 hrs/day, 7 days/week)
Total Darkness 6.5 yrs
EEP (EnOcean Equipment Profile)
A5-07-02
Agency Compliance
902 MHz
FCC: SZV-STM300U
IC: 5713A-STM300U

* Specified lux values are for typical fluorescent lighting. Lux level requirements for LED and other types may vary. For lux unit reference, national standards often require a minimum of 300+ lux for office areas.

Check with your local government for instruction on disposal of these products.

Ordering Information

Item Number	SED-WMS-U-5045
Item Description	Occupancy Sensor - Wall Mounted, 902 MHz
Color	White

Sensor Range and Coverage