WIRELESS OCCUPANCY SENSOR
With EnOcean® Technology, Ceiling or Wall Mount

The SERIES EOS Wireless Occupancy Sensor uses EnOcean® technology to enable a new level of energy saving control for rooms, hallways, and other common areas. Using a PIR motion sensor to detect movement in a space, the EOSC models have a 360-degree viewing angle and the EOSW models offer wide angle and long range lenses in the same package. The EnOcean® technology allows for wireless communication with any other EnOcean®-enabled devices.

FEATURES/BENEFITS
• Energy harvesting, no power supply or battery necessary
• Ceiling mount option for a large coverage area or flat wall/corner mount in one design
• Energy and cost savings by determining if lights or HVAC should be turned off based on room occupancy
• Meets North American and European standards

APPLICATIONS
• Lighting or HVAC control
• Feedback to building management system that a space is occupied

SPECIFICATIONS
Range: EOSC: 40 ft (12 m) diameter; EOSW with wide angle lens: 50 ft (15 m); EOSW with long range lens: 100 ft (30 m).
RF Communications: See model chart.
Temperature Limits: 14 to 104°F (-10 to 40°C).
Humidity Limits: 20 to 95% RH (non-condensing).
Operating Light: 50 lux (min).
Mounting Height: EOSC: 7 to 10 ft (2 to 3 m); EOSW: 6 to 8 ft (1.8 to 2.5 m).
Power Requirements: Indoor light energy harvesting. An optional supplemental battery or 3 to 5 VDC power supply can be used.
Weight: 0.42 oz (12 g).
Agency Approvals: See model chart.

ACCESSORIES
Model Description
USB-300U Wireless Receiver, 902 MHz
USB-300 Wireless Receiver, 868 MHz

SERIES USB-300
USB WIRELESS RECEIVER
902 or 868 MHz Communications, EnOcean® Software Interface

The SERIES USB-300 USB Wireless Receiver is a simple way to allow PC’s to test any EnOcean®-enabled device using wireless technology. This unit is equipped with a TCM 310 transceiver module, which provides bidirectional EnOcean® radio protocol. Radio messages are sent and received through a virtual series interface.

FEATURES/BENEFITS
• Works with any EnOcean®-enabled device
• Compact USB design
• Meets North American and European RF standards

APPLICATIONS
• Building commissioning
• Troubleshooting systems that incorporate EnOcean® communicating instruments
• Product installation trials

SPECIFICATIONS
Antenna Type: Whip antenna (USB-300U); Internal chip antenna (USB-300).
RF Communications: 902 MHz (USB-300U); 868 MHz (USB-300).
Temperature Limits: Operating: -4 to 122°F (-20 to 50°C). Storage: -13 to 158°F (-25 to 70°C).
Humidity Limits: Operating: 0 to 90% RH (non-condensing); Storage: 0 to 93% RH (non-condensing).
Weight: 0.42 oz (12 g).
Agency Approvals: FCC, IC, RoHS (USB-300U); CE, RoHS (USB-300).

MODEL CHART
Model Description
USB-300U North American, 902 MHz
USB-300 European, 868 MHz