

Battery Powered Occupancy Sensor | Model: S-OI-S03-DMWH



Specifications

- Sensor Type - PIR Occupancy sensor
- Battery- CR2477
- Mounting Height - 9' to 10'
- Max Detection Area* - 23' Diameter field
- Bluetooth Mesh Qualified
- Surface mounted installation. Magnetic on most T-grids, metal ceilings and ducts. Screw mounted on drywall or wood.
- Operating Temperature - 4°F to 140°F (-20°C to 60°C)
- Dimensions - 2.75" diameter (77 mm), 9/16" thick (14 mm)
- LED Motion Indicator
- Buy American Act compliant
- Battery life - 5 years
- Warranty - 2 Years

*results may vary based on mounting height, temperature, angle, floor material, and line of sight.

Sensor Operation

Using the App, these are the settings:

- Occupancy/Vacancy mode
- Motion/no-motion light levels
- Run time / Prolong time
- Transition times
- Suitable for Indoor Use Only

Certifications



Installation

All battery operated devices (Low Power Node) do not retransmit network messages and communicate with the network via an automatic designated device (Friend Node) which keep the LPN updated with the latest network settings. For best results, the battery operated device should be installed within 40 feet of the closest device within the Bluetooth Mesh network.

Connectivity

Devices are repeaters for other devices and should be installed within a certain maximum distance from each other.

Typical maximum distance:

Outdoor (line of sight):

Indoor (through building material):	200ft
Glass:	100ft
Drywall:	70ft
Cinderblock:	60ft
Brick:	50ft
Concrete + rebar	0ft

For design purposes a 60ft. maximum distance is appropriate for most installations. Devices are repeaters for other devices, except for battery powered devices. Battery powered devices do not replay messages and are not counted when establishing Mesh continuity.

Devices with external antenna should have the antenna outside any metal box and away from metal surfaces as metal reduces connectivity.

Detection Area:

