

# Daintree® Wireless Controls

## Wireless Ceiling Mount Occupancy Sensor

Project Name \_\_\_\_\_

Date \_\_\_\_\_ Type \_\_\_\_\_

Catalog Number \_\_\_\_\_



## Product Overview



The Wireless Ceiling Mount Occupancy Sensor (WOS2-CM) is part of the Daintree Networked product portfolio, wireless controls solution for lighting and building control, monitoring, and optimization.

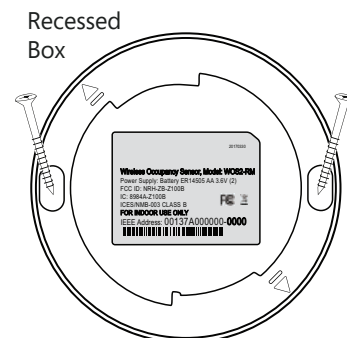
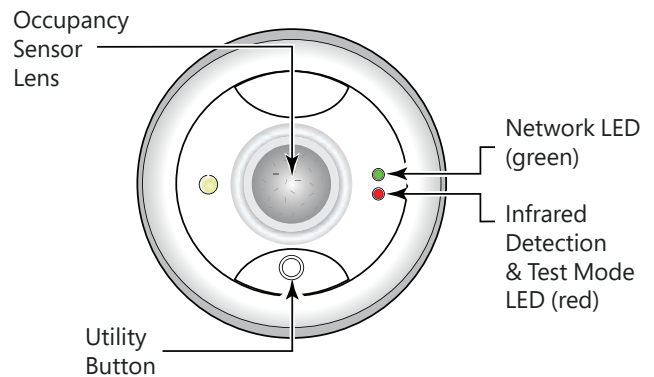
Daintree Wireless controls provide a highly scalable solution to address evolving environmental regulations and transform spaces into intelligent environments for buildings of all sizes.

## Description

The **WOS2-CM** is a battery-powered occupancy sensor utilizing passive-infrared (PIR) sensing technology to detect movement. As part of the Daintree Networked system and using open, standards-based ZigBee wireless communications, the WOS2-CM reports real-time occupancy events to turn lights on or keep them on when movement is detected, and turn lights off when a space is left vacant. The sensor's off-delay timer is user-configurable from any location using the Daintree Controls Software (DCS) web application, eliminating the need for on-site, manual sensor adjustment.

Installation is quick and easy without the need for any wires or plenum access, while its sleek, low-profile design will complement any office or professional environment.

- Suitable for many applications, including commercial office, retail, and education
- Simple ceiling mount
- Completely wireless installation, ideal for retrofit installations
- Standard and Extended coverage range options
- Configure as an occupancy or vacancy sensor through the DCS web application



# Daintree® Networked | Wireless Ceiling Mount Occupancy Sensor

## Sensor Placement

The PIR sensor can only be installed indoors. It is extremely important to select the appropriate installation location to avoid false occupancy reporting while obtaining the best sensitivity. A proper installation should meet the following conditions:

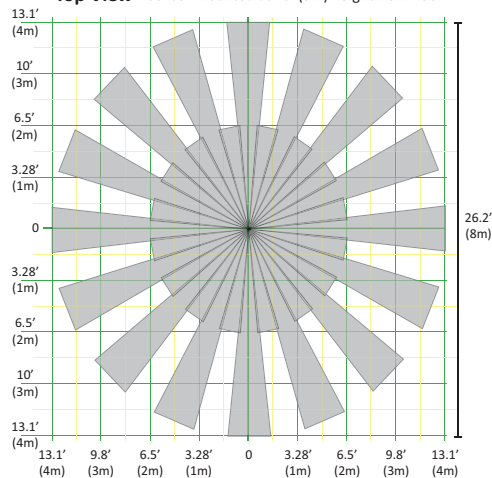
- The PIR sensor is typically mounted 6.5' to 10' (2m to 3m) from the floor. The height affects the coverage area.
- The PIR sensor must be 4' to 6' away from hot or cold sources such as heat or air conditioner vents, refrigerators, stoves, etc. The PIR sensor should not be installed in places with strong airflows.

- The PIR sensor must have clear line of sight to the coverage area. It may not detect a human body if it is blocked by furniture, fixtures, large plants, glass, curtains, etc.
- Install the detector securely to the ceiling to minimize sensor vibration. The PIR sensor should not be installed on moveable objects, nor exposed to direct sunlight. The resulting hot air and/or motion can cause false activation.

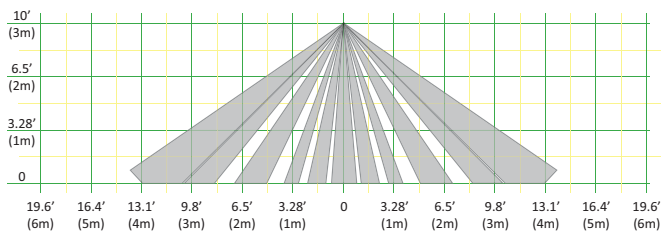
### Coverage Pattern, WOS2-CM-S, Standard Coverage

Installation Height	10' (3m) from floor
Detection Angle	100°
Detection Radius	up to 13' (3.9m)

Top View Sensor mounted at 10' (3m) height from floor



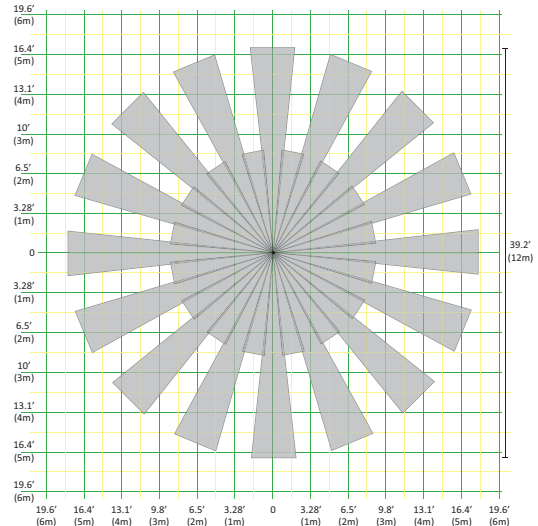
Side View Sensor mounted at 10' (3m) height from floor



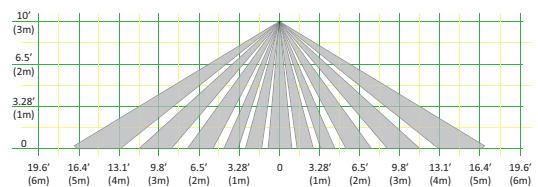
### Coverage Pattern, WOS2-CM-E, Extended Coverage

Installation Height	10' (3m) from floor
Detection Angle	120°
Detection Radius	up to 17' (5.2m)

Top View Sensor mounted at 10' (3m) height from floor



Side View Sensor mounted at 10' (3m) height from floor



# Daintree® Networked | Wireless Ceiling Mount Occupancy Sensor

## Warranty

Current offers 24 x 7 support with a 30-minute rapid response time for technical issues. The average tenure of Current's support is 10 years and a 93% overall satisfaction rating. The table below summarizes the warranty period for all components of the Daintree Wireless Controls system.

Component	Warranty Period	Coverage Details
<b>Daintree Software</b>	1 year (IoT Cloud installed Software) Subscription term (SaaS) 3 years	Current warrants that as long as all applicable fees due are paid, Daintree Software will substantially conform to the applicable published documentation and published specifications for the Warranty Period.
<b>System Controller</b>	3 years	100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software; Current makes no warranty with respect to non-Daintree software.
<b>WACs</b>	5 years	100% parts coverage
<b>Wireless Adapters</b>	5 years	100% parts coverage
<b>Wireless Devices</b>	5 years	100% parts coverage, excluding batteries.
<b>Wireless Thermostats</b>	2 years	100% parts coverage

## Specifications

Dimensions	Diameter x Depth: 3.7" x 1.3" (95mm x 32mm) Weight: 81g (without battery)
Indicators	Network LED (green): Network joined; Installation test; Low battery Sensor LED (red): Motion; Installation test
Controls	Utility button: Installation test; Activate device; Reset Trimpot: PIR sensitivity
Sensor Coverage	360°, up to 500 sq. ft (WOS2-RM-S) 360°, up to 1000 sq. ft (WOS2-RM-E)
Off-delay Timer	30 sec (default) > 30 sec (software configurable)
Radio Properties	2.4 GHz +7dBm transmit power
Operating Environment	14°F to +122°F (-10°C to 50°C) Indoor use only
Mounting	(2) Screw holes on base plate; ceiling mount; twist-lock, removable sensor
Compliance	US: FCC Part 15B, FCC ID (NRH-ZB-Z100B) Canada: ICES/NMB-003 Class B, IC ID (8984A-Z100B)
Power Supply	(2) AA 3.6V Lithium-thionyl chloride battery (included)
Battery Life	5 Years (normal operation)
Warranty	5 Years

## Ordering Information

SKU	Product Description
<b>WOS2-CM-E</b>	Wireless Occupancy Sensor, Ceiling Mount, Extended Coverage 1000 sq. ft.

