Wireless Occupancy Sensor, Ceiling Mount (WOS2-CM)

Daintree Wireless Solution

The **Wireless Occupancy Sensor ,Ceiling Mount (WOS2-CM)** is part of the Daintree product portfolio, an open networked wireless controls solution for lighting and building control, monitoring, and optimization. Daintree controls provide a highly scalable solution to address evolving environmental regulations and transform spaces into intelligent environments for buildings of all sizes.

Consisting of three components, Daintree includes sensors and controls at the edge, an open API cloud platform, and software apps to help facility managers make decisions based on how space and assets are actually being used using a data-rich sensor network. Benefits of adding wireless Daintree controls include:
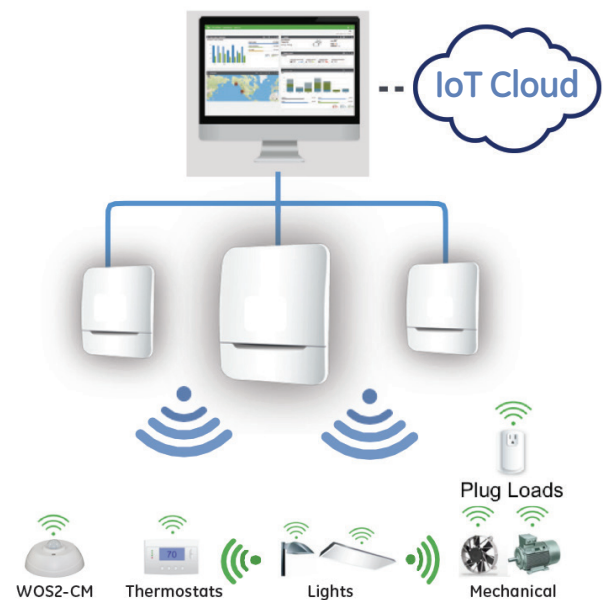
- Up to 50% Energy savings across lighting, HVAC, plugload, fans and more
- Visibility into energy usage, trends and insights to optimize operations

- Automated demand response, superior comfort and lower maintenance expense
- Regulatory compliance with Title 24; 2005 EnergyPolicy Act; 2007 Energy Independence and Security Act; 2009 DOE Regulations

Daintree Wireless Solutions Product Overview

The WOS2-CM is a battery-powered occupancy sensor utilizing passive infrared (PIR) sensing technology to detect movement. As part of the Daintree 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 ControlScope Manager (CSM) 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 CSM web application

Daintree Network Architecture

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Warranty

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

Component	Warranty Period	Coverage Details
Daintree Software	1 year (IoT Cloud installed Software) Subscription term (SaaS) 3 years	GE 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.
System Controller	3 years	100% parts coverage. Warranty for non-Daintree software (such as operating system software) is provided by the respective software; GE makes no warranty with respect to non-Daintree software.
WACs	5 years	100% parts coverage
Wireless Adapters	5 years	100% parts coverage
Wireless Devices	5 years	100% parts coverage, excluding batteries
Wireless Thermostats	2 years	100% parts coverage

Specifications

Dimensions	Diameter × Depth: 3.7"× 1.3" (95mm × 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-CM-S) 360°, up to 1000 sq. ft (WOS2-CM-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 Part15B, 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

Product Code	Product Description
WOS2-CM-E	Wireless Occupancy Sensor, Ceiling Mount, Extended Coverage 1000 sq. ft.

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