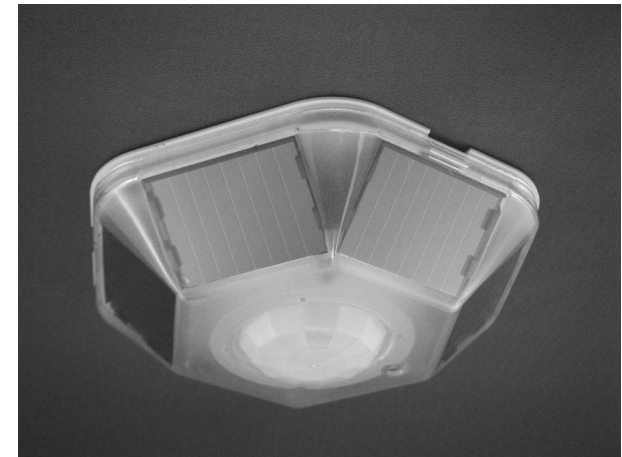
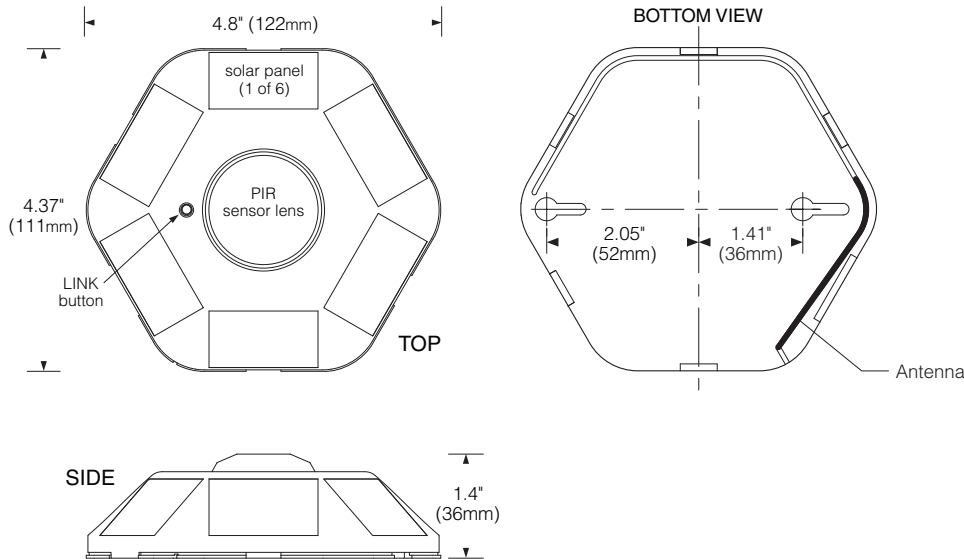


Dimensions



Overview

The **CMS-EN-03/04** wireless, battery free occupancy sensors generate their own power using six integral photovoltaic cells that harvest energy from the ambient light in the space. They operate in low light conditions and will remain charged for over 90 hours in no light (for auto-ON occupancy response in areas with extended no-light conditions, **CMS-EN-03/04** sensors accept a field installable #CR2032 battery).

CMS-EN-03/04 sensors use passive infrared detection circuitry and wireless transmission to send occupancy signals to linked CLC Series load controllers and CCH control hubs within range. When occupancy signals cease, the load controllers and hubs respond by dimming and/or switching their loads OFF after a preset auto-OFF time delay. **CMS-EN-03/04** sensors also double as commissioning tools for adjusting the auto-OFF time delay of each linked controller.

CMS-EN occupancy sensors require no hardwired electrical connections, greatly simplifying the installation and commissioning process. The devices can be easily moved or repositioned as field conditions or changes in the space necessitate, ensuring maximum flexibility now and in the future.

To order:

CMS-EN-03-WH-0 Wireless occupancy sensor, large motion

CMS-EN-04-WH-0 Wireless occupancy sensor, small motion

Features

- **Self powered** – no wiring or batteries needed.
- **Simple installation** – no special tools or hardware required.
- **Reconfigurable** – easily repositioned as space or furniture layouts change.
- **Smart** – embedded walk-test firmware ensures optimal sensor placement and easily adjustable time-out settings for uncomplicated commissioning.
- **Maintenance free** – no batteries to replace or electrical wires to service.
- **Flexible** – designed for open plan offices, private offices, and similar spaces.
- **Programmable** – easy commissioning: manual through LINK button or via optional software.
- **Sustainable** – no electrical power, wiring, batteries or maintenance; reconfigurable; long product life delivers significant savings for many years to come.

Specifications

- Power supply:** Integral solar cells.
- Initial charge operation:** 60 seconds at 3 footcandles (30 lux).
- Operational light level:** 3 footcandles (30 lux) minimum.
- Charging time period:** 6 hours at 20 footcandles (200 lux).
- Full charge operation:** Minimum 90 hours.
- Communications:** 902 MHz EnOcean® radio.
- Transmission range:** 75ft indoor (23m).
- Transmission interval:** 100 seconds or on motion.
- Mounting height:** 8 to 10 feet.
- Mounting:** Surface mount via double-sided tape or screws by others.
- Optimal operating temperature:** 32°F to 90°F (0°C to 32°C).
- Relative humidity:** 5% to 95% RH (non-condensing).
- Weight:** 3.7 oz. (104 grams).
- Dimensions:** 4.8" x 4.37" x 1.4"D (122mm x 111mm x 36mmD).
- Agency listing:** FCC, IC.
- Warranty:** 2 years.

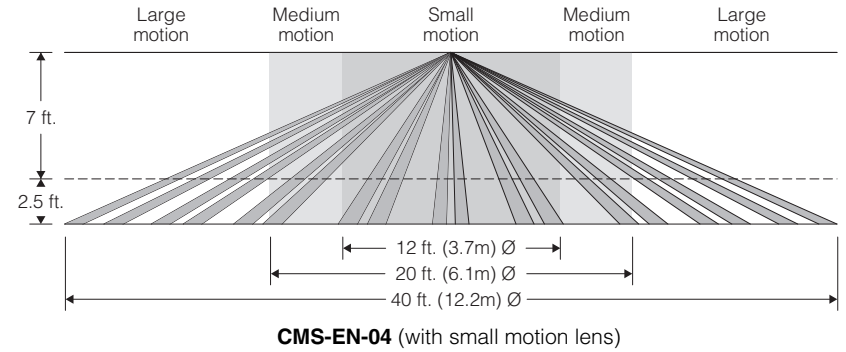
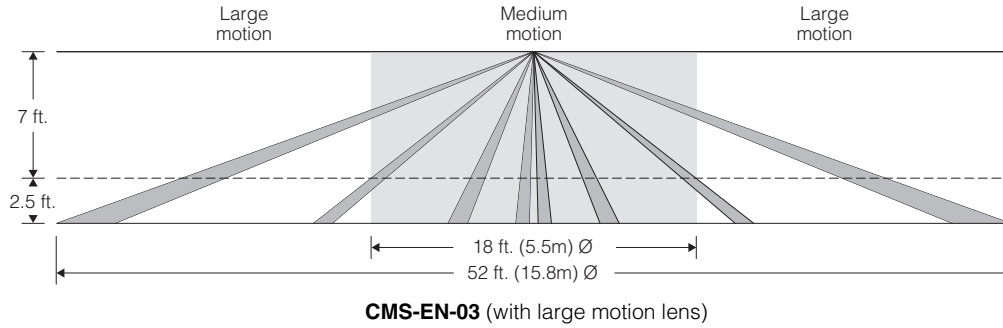


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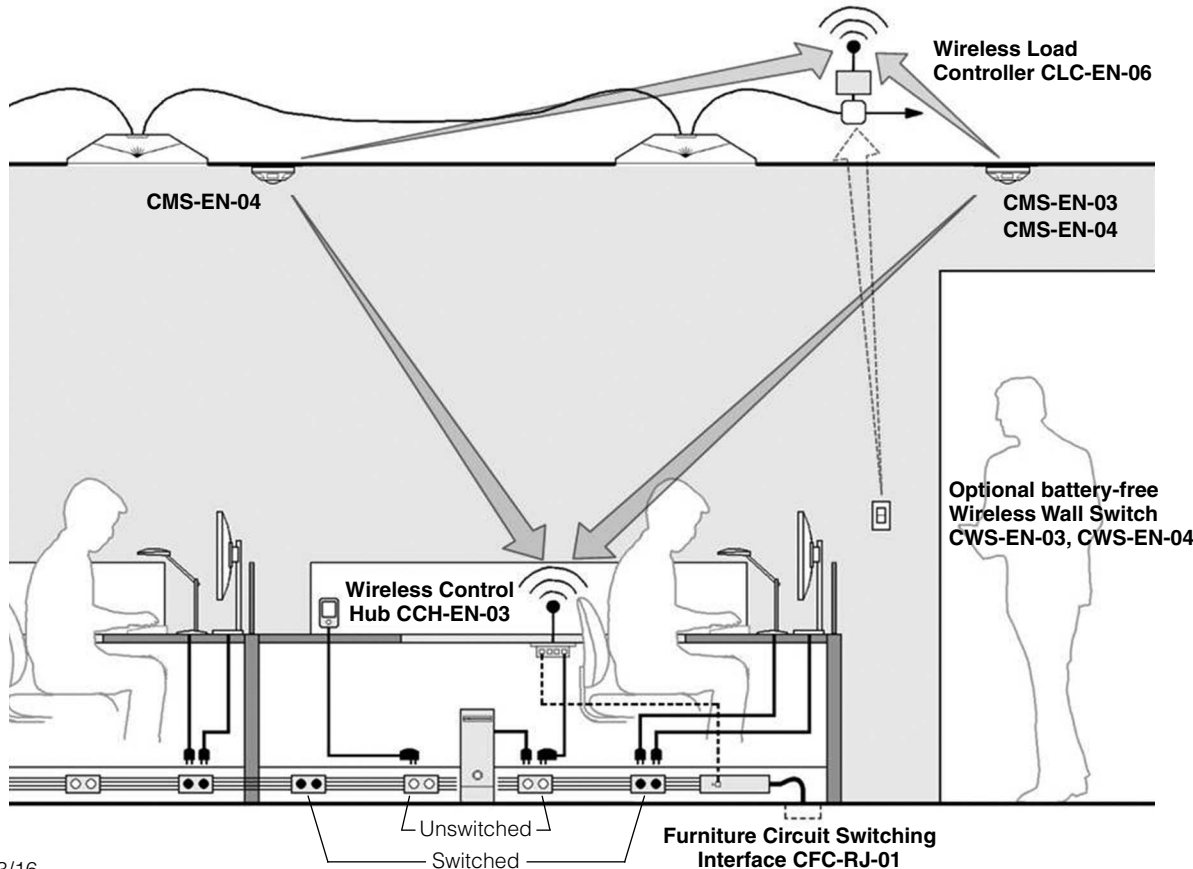
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Detection Coverage



Typical Application

Use **CMS-EN-03** and **CMS-EN-04** for auto-ON/auto-OFF control of office lighting and plug loads. Add optional battery-free wireless wall switch for manual-ON/auto-OFF and manual-OFF lighting control. Substitute wireless load controller **CLC-EN-11** in place of **CLC-EN-06** to add manual dimming of office lighting.



Compatible Devices

Note: Devices pictured are not precisely in scale to each other.

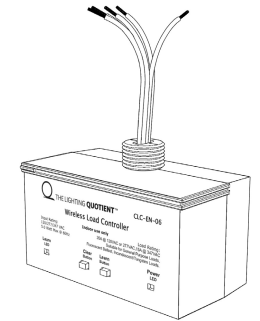
Wireless Load Controller

CLC-EN-06

20A 120/277V wireless switching controller

CLC-EN-11

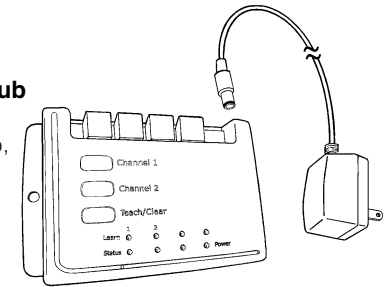
20A 120/277V wireless switch/dim controller with 0-10V dimming



Wireless Control Hub

CCH-EN-03

Auto-ON/auto-OFF hub, dimming disabled



Furniture Circuit Switching Interface

CFC-RJ-01

8-wire, 4 circuit, 120V

