Features

Easy-to-Install/Retrofit

- Wireless controls means no sensor wiring needed, eliminating the task of opening the ceiling to install sensor.
- Sensor easily links to wall switch or dimmer.
- Up to 16 devices can be linked t o make a single network.
- Meets Federal Energy Mandate. Title 24, ASHRAE 90.1 (2010) & 189.1, IECC.

Advance Occupancy Sensing

- Proven Passive Infrared (PIR) sensing technology coupled with high-tech logic delivers advanced occupancy detection.

- Micro controller based logic reduces false triggers to optimize energy savings and maintain lamp life.
- Self adaptive time delay - Manual knob sets minimum time delay only, if longer time delay is needed the sensor self adapts to improve performance.
- Robust wireless communication with ZigBee Pro 2.4 protocol at 2.4 GHz.

Photocell Option (LRM1760)

- Intergral photocell signals wall dimmer to maintain proper light levels for daylight harvesting.

- When linked to a wall switch, the photocell signals to hold back the lighting if adequate daylight is present.

Sleek Low Profile Design

- Styles low-profile design blends easily blends into any office or other professional setting. 3.3 Inch (84mm) diameter X 0.98 inch (25mm) thin.
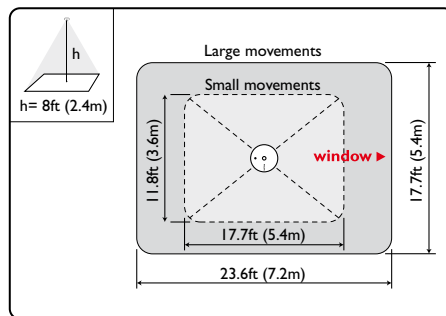- 10 year no-maintenance operation with a heavy duty long life 3.6 volt Lithium-thionyl chloride battery.

LRM1743/LRM1760

OccuSwitch Wireless– Occupancy Sensors

The LRM1743 and LRM1760 are part of the OccuSwitch Wireless family. The wireless feature adapts well to retrofit installation where pulling wires across existing ceilings is too expensive. The sensor can be installed with the other daylight regulation products to creat a complete wireless lighting control system for a single space. Up to 16 devices (switches, dimmers, occupancy sensors, and multi-sensors) can be linked to automatically control the lighting.

Specifications

- **Detection Technology:** Passive Infrared (PIR).
- **Intelligent Delay Timer:** The switch-off delay minimum can be manu-ally set between 1 and 30 minutes. Initial setting is automatically ad-justed to the occupancy pattern, but never less then the manual set-ting.
- **Daylight Regulation (LRM1760):** Photocell is designed to operate in a closed loop system. The photocell sees a combination of daylight and electric light. The system continuously adjust the electric light to maintain the set light level.
- **Photocell Sensing Range (LRM1760):** 1FC to 150FC (10 to 1500 Lux)
- **Mounting Height:** Can be installed for up to 12ft ceiling height.

- **Wireless Network Protocol:** ZigBee Pro 2.4GHz Universal license free band.
- **Wireless Compatibility:** Multiple devices can be connected Switches (LRA1721) Dimmers (LRD1730) Occupancy Sensors (LRM1743) Multi Sensors (LRM1769)
- **Wireless Range:** Switch to Sensor: 50ft (17m)- In office buildings Switch to Switch (same plane): 18ft (6m) Switch to Switch (line of sight): 50ft (17m)
- **Colors:** Ceiling Off-White
- **Operating Voltage:** 3.6 Volts DC (included).
- **Battery:** Standard AA size 3.6V DC Lithium-thionyl chloride (Included)10 year plus lifetime rating under normal operation.

- **Operating Conditions:** For Indoor use only. Temperature 41°F to 104°F (5°C to 40°C) Humidity 20% to 85%, (Non-condensing)
- **Regulatory Compliance:** UL, CSA, FCC, RoHS, California Title 24
- **Physical Dimensions:** Diameter x Depth: 3.3 x 0.98 inches (83 x 25mm) Weight: 18 oz. (0.5 kg)
- **Warranty:** 2 year limited warranty.

Detection Area

Detection area will vary based on ceiling height.
For a typical ceiling height of 8 ft (2.4m):
Major motion 17.7 x 23.6ft (5.40m x 7.20m)
Minor motion 11.8 x 17.7ft (3.60m x 5.40m)
Larger areas will require multiple sensors. Up to 16 device can be linked for one space. During instal-lation the retractable sen-sor shield can be rotated to partially mask the sen-sor's field of view and prevent unwanted move-ment detection.

Photocell Daylight Harvesting Area
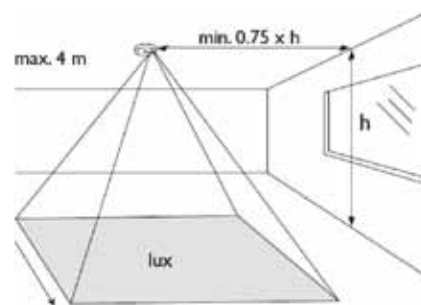
Mount multi-sensor 1 to .75 times window height away from the window and where the occupancy sensor can see the space to detect movement.

Ordering Information

Part Number	Description
LRM1743	OccuSwitch Wireless Occupancy Sensor
LRM1760	OccuSwitch Wireless Occupancy Sensor with Photocell