



## OccuSwitch Classic Self-Contained Photocell / Occupancy Sensor LRM2375

The OccuSwitch Classic Self-Contained Photocell / Occupancy Sensor merges Passive Infrared (PIR) detection and daylight awareness into an attractive line powered sensor for excellent energy savings. The LRM2375 is an effective solution for areas where both occupancy and daylight need to be considered in the control scenario. With an integrated line switching relay, the LRM2375 is perfect for applications where locating a power pack is difficult, such as retrofitting rooms with concrete or inaccessible ceilings.

The LRM2375 occupancy sensor detects changes in the infrared energy given off by occupants as they move within the field-of-view. The LRM2375 photocell detects if there is sufficient daylight and determines how to switch the connected loads depending on which of the two photocell modes is selected. In On/Off mode, the photocell has full control to switch the load on and off during periods of occupancy. Inhibit mode prevents lights from turning on if adequate daylight is available but does not turn lights off. The sensor is line powered, switches line voltage, and requires no field calibration or sensitivity adjustments. The LRM2375 utilizes our LampMinder technology allowing users to aggressively target energy savings while still protecting lamp life. A minimum-On timer helps preserve lamp life by eliminating all lamp cycles shorter than lamp manufacturers recommend. An occupancy time delay ensures lights turn off (assuming the minimum-On timer has elapsed) if no occupancy is detected. This timer is factory set at 10 minutes, but is manually adjustable between 30 seconds and 20 minutes or it can be automatically adjusted by the sensor. Additionally, this sensor maintains statistics on total lamp on time and number of cycles.

### Features

- 100% Digital PIR detection, excellent RF immunity.
- 360° coverage pattern
- Adjustable time delays
- Auto set-point calibration for photocell
- No field calibration or sensitivity adjustments required
- Self-contained relay, no power pack needed.
- No minimum load requirements.
- Interchangeable hot and load wires makes it impossible to wire backwards
- 100 hour lamp burn-in timer mode and convenient test mode.

- Assembled in U.S.A.

### Applications

- Rooms with windows or skylights
- Retrofit projects

Job Information	Device Type #: _____
Job Name: _____	
Cat. No.: _____	
Notes:	

# PHILIPS

# OccuSwitch Classic

Self-Contained Photocell / Occupancy Sensor (LRM2375)

## Technical data\*

**Mounting:** 3.5" octagon box or single gang handy box.

**Load Rating:** 800W @ 120VAC  
1200W @ 277VAC  
No minimum load.  
1/4 HP motor load.

**Operating voltages:** 120VAC, 50/60Hz  
277VAC, 50/60Hz

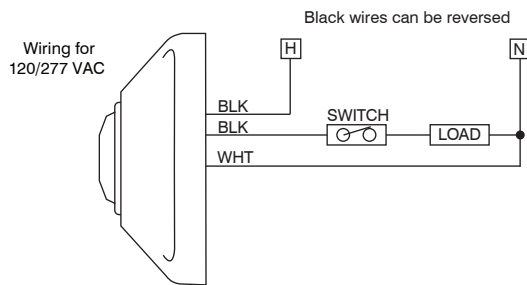
**Regulatory compliance:** UL, cUL, and Title 24.

**Environmental conditions:** Operating Temp: 14 to 160°F (-10 to 71°C)  
Storage Temp: -14 to 160°F (-26 to 71°C)  
Relative humidity: 20 to 90%, NC

**Physical dimensions:** Diameter: 4.55" (11.56cm)  
Depth: 1.55" (3.94cm)  
Weight: 6oz (0.17kg)

**Sensor color:** White.

## Wiring

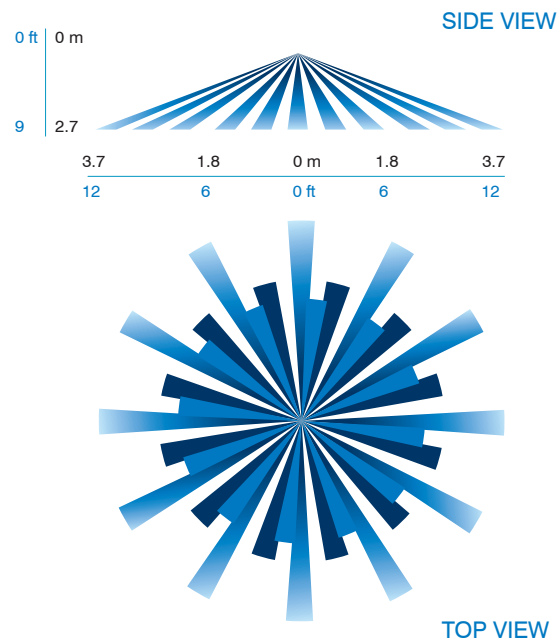


## Initial Power Up

The sensor's relays are shipped in a latched closed position so the lights will come on upon initial power-up. If the lights do not immediately turn on (initial installation only) the latching relays opened during shipment and will close within 30 seconds.

Note: If the sensor loses power, the internal relays will latch to on.

## Field of view



\*Subject to change without notice.

## Ordering information

Ordering Code	Description
LRM23751	OccuSwitch Classic Self-Contained Photocell / Occupancy Sensor



©2012 Philips Lighting Electronics N.A.  
A Division of Philips Electronics North America Corporation.

All rights reserved.  
Published and printed in USA June 2012

Form number: DS.LRM2375.1.06052012

Philips Lighting  
Customer Support: +1-855-512-8791  
[www.philips.com/lightingcontrolsna](http://www.philips.com/lightingcontrolsna)