



OccuSwitch Classic

On/Off Photocell Sensor

LRL2380
LRL2385

The OccuSwitch Classic On/Off Photocell Sensors provide the industry's most intelligent control of lighting for daylight harvesting applications. Ideal for public spaces with windows like vestibules, corridors, or bathrooms; the sensors work by monitoring daylight conditions in a room, then controlling the lighting so as to insure that adequate lighting levels are maintained. The sensor has on/off lighting control; turning off the lights when sufficient daylight is present and turning them on when additional lighting is necessary. These sensors are ceiling mounted, line powered and can switch loads directly without the need for a power pack.

The OccuSwitch Classic On/Off Photocell Sensor operates per a defined acceptable level of light or set-point that can be programmed automatically, with the Automatic Set-Point Programming mode, or input using the Manual Process. A previously programmed set-point value may be displayed on the sensor LED and adjusted using the Incremental Control feature. As daylight increases and decreases throughout the day, the connected loads are switched off and on based on the programmed set-point. When sufficient daylight is present to maintain a level of light equal to or above the set-point level, the sensor will switch off the ballast completely. The LRL2380 utilizes both a 10-20% safety factor and a 20 minute delay to prevent lights from cycling when the light level is near the set-point level, as on cloudy days.

The LRL2385 sensor has a second independent relay to control an additional zone of lighting according to one of two operational modes. These operational modes are strategically designed to accomplish A/B (also called inboard/outboard) switching or percentage operation, which is often used in classrooms.

Features

- Self-contained relay, no power pack needed.
- Capable of finding optimum set-point.
- Digitally programmable via simple push button commands.
- No minimum load requirements.
- Green LED activity indicator.
- 100 hour lamp burn-in timer mode.
- Assembled in U.S.A.

Applications

- Daylight Harvesting
- On/Off Lighting Control

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

OccuSwitch Classic

On/Off Photocell Sensor (LRL2380, LRL2385)

Technical data*

Mounting: Round fixture 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.

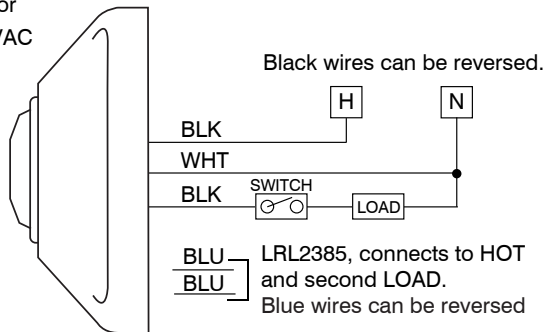
Environmental conditions: Operating Temp: 14 to 160°F (-10 to 71°C)
Storage Temp: -14 to 160°F (-26 to 71°C)
Relative humidity: 20 to 90%, NC

Physical dimensions: Diameter: 4.55" (11.56cm)
Depth: 1.55" (3.94cm)
Weight: 5oz (0.14kg)

Sensor color: White.

Wiring

Wiring for
120/277 VAC



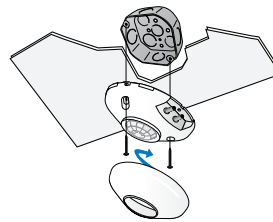
Note

Once installed, the sensor may take a few minutes to become active. Additionally, there is a 45 second delay before switching from "Off" to "On" (this delay is 55 seconds when connected to 50 Hz.).

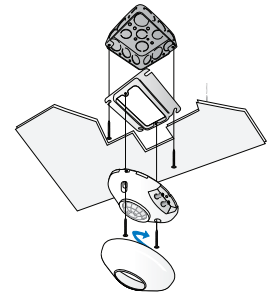
Installation

The sensor enclosure accommodates mounting to a variety of junction boxes ranging in size from a single gang mud ring at a 3.28" spacing, up to a round fixture box spacing of 3.5".

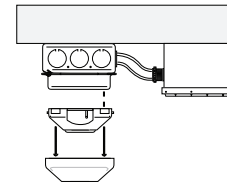
ROUND FIXTURE BOX



MUD RING WITH 1900 BOX



OFFSET NIPPLE



*Subject to change without notice.

Ordering information

Ordering Code	Description
LRL23801	OccuSwitch Classic On/Off Photocell Sensor
LRL23851	OccuSwitch Classic On/Off Photocell Sensor, Dual Zone



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Published and printed in USA June 2012

Form number: DS.LRL238X.1.06052012

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