

OCCUSWITCH WIRELESS

LRD1730

Wall Dimmer with Wireless Communication

Philips OccuSwitch Wireless Control System is a simple, easy, and effortless way to create a more sustainable work environment



LRD1730 Wall dimmer with wireless communications

Features

Easy-to-install retrofit

- Wireless controls means no sensor wiring needed eliminating the need for ceiling mounted power packs
- Attractive Decorator style matches building device standard
- Self adaptive time delay tunes sensor to common activities in the space.
- Day Light configuration establishes the desire light level from the floor without accessing the sensor.
- Up to 16 devices can be linked together to control one space.
- Multi-way groups - two or more dimmer can be linked to form a group for multi-way operation
- Several groups can be linked to the same set of sensors for code compliant energy management.
- Convenient dimmer based recalibration allows end-user to recalibrate at any time without accessing the sensor

Advance Technologies

- Processor based logic reduces false triggers to optimize energy savings and helps extend lamp life.
- White LED bar graphic clearly indicates dimming level and provide visual indication for some features during set-up.
- Maximum level (Task Tuning) can be set at the dimmer.
- Manual ON / Auto OFF mode available to meet new energy codes.
- Manual dimming override set special light levels while the room is occupied.
- Universal voltage 120/277 volt
- Meets Federal Energy Mandate (Title 24, ASHRAE 90.1 & 189.1, IECC)

Description

Philips LRD1730 Wall Dimmer is part of the OccuSwitch Wireless family of products that provide automatic lighting control for energy management and user convenience. The wireless feature adapts well to retrofit installation where pulling wires across existing ceilings is too expensive.

The OccuSwitch Wireless Wall Dimmer can be installed with the other Day Light Regulation products to create a complete wireless lighting control system for a single space. Up to 16 devices (switches, Dimmers, Occupancy Sensors & Multi-Sensors), can be linked for manual and automatic control of the lights.

Applications

Classrooms • Conference rooms • Offices • Restrooms (fan & lights)
Multimedia rooms • Lounges • Break Rooms • Storage areas, etc

Ordering Information

| WHITE | IVORY | Description |
|-----------|-----------|--|
| LRD173000 | LRD173001 | OccuSwitch Wireless Wall Dimmer, 120/277 VAC |

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

PHILIPS

Wall Dimmer with wireless communications

Technical Specification

Operating Voltage: Universal - 120V AC or 277V AC, 60 Hz

Load Rating:

| | |
|--------------------------------|---------------|
| Electronic Fluorescent Ballast | 120V / 800VA |
| | 277V / 1600VA |
| Incandescent lamps | 120V / 800W |
| Motor load | 120V / 0.25HP |

Compatible Ballasts: Philips Advance
Mark 10 Powerline - All models
EssentiaLine Powerline - All models

Compatible Lamps: For best dimming performance use Philips Lamps

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)

Stand alone or multi-way dimming:

Each Wireless dimmers can be configured to operate as a standalone dimmer or multi-way. By default the dimmers will act as a stand-alone device: the dimmer only controls the load that is connected to it. When configured as a multi-way dimmer, all loads are controlled from any dimmer.

Group Configuration:

Any set of dimmer can be linked to mimic one-another. They all can be also be linked to the sensors in the room for automatic operation.

Colors: White & Almond

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

Length x Width x Depth:

4.13 x 2.56 x 1.79 inches

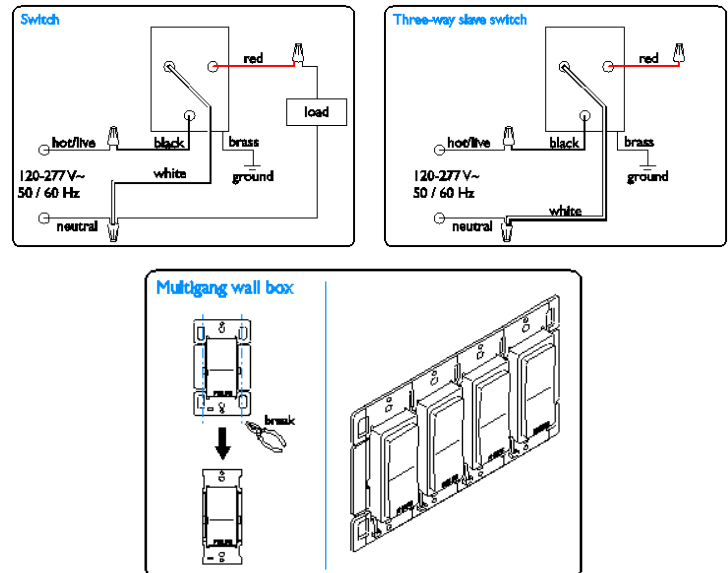
(105 x 65 x 45mm)

Fits in a standard single-gang wall box.

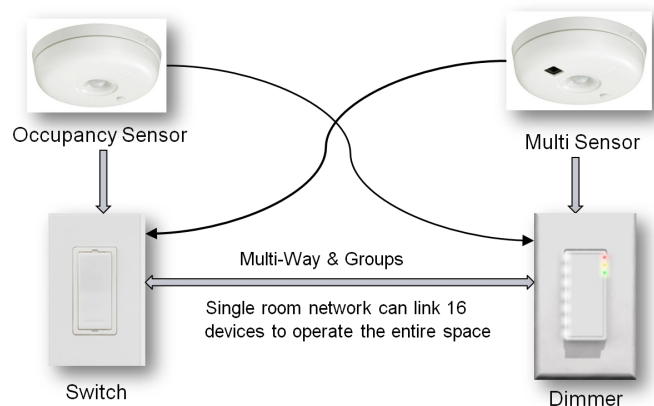
Can also be installed in a multi-gang configuration if fins are removed.

Broken fin dimmers must be de-rated to 500 watts.

Wiring Diagram



Multiple Device Configuration



Product Warranty

The Philips OccuSwitch™ Wireless products, when properly installed and under normal conditions of use (without overload, abuse or alteration), is warranted to you, the original user, for a period of two (2) years from the date of original purchase, to be free from defects in materials and workmanship. For further information, please contact Philips Lighting Electronics N.A Customer Care at 1-800-372-3331 or www.philips.com/advance.



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