

# DLM DUAL TECHNOLOGY OCCUPANCY SENSING STANDARD SWITCHES

## LMDW-200

Low voltage Dual Technology occupancy sensor with pushbuttons for control of multiple loads

Plug n' Go automatic configuration and Push n' Learn for personalization

Customizable buttons with LED status indicators



Supports toolless configuration of bindings and occupancy sensor settings.

IR transceiver for wireless configuration and remote control

Plug to other components using Cat 5e cables with RJ45 connectors eliminating wiring errors



### DESCRIPTION

LMDW-200 Series Dual Technology Occupancy Sensing Standard Switches use PIR and ultrasonic technology to detect occupancy for energy-efficient control of lighting and plug loads. They are available in dimming or switching configurations, and are part of a Wattstopper Digital Lighting Management (DLM) system.

### OPERATION

LMDW-200 Series sensors operate on Class 2 power supplied to a DLM local network by one or more DLM room controllers. They work with the room controller(s) to control loads based on occupancy. Default operation is automatically established by Plug n' Go, which recognizes the device as both an occupancy sensor and a switch. The sensor and switch button functionality and load assignments will be the same as stand-alone sensors and switches. A system with one load defaults to manual-on, while a system with two or more loads defaults to auto-on for load 1 and manual on for other loads. Initially, all occupancy sensors control all loads, and all switches provide multi-way control of all loads. The LMDW-211 provides intuitive dimming control and the LMDW-220 offers flexible single or multi-zone switching.

### BUTTON FEATURES & DEVICE SETTINGS

Each button and rocker has an LED showing the status of the load(s) or scene assigned to it. Buttons ship with the standardized engraving shown here, but may be personalized with custom engraved buttons. The behavior of the buttons and sensor may be reconfigured at the device with easy-to-use pushbuttons, or via a bi-directional infrared (IR) configuration tool. Using on-device pushbuttons, changes may be made to the loads controlled by both the sensor and the switches, as well as the sensitivity and time delay of the occupancy sensor. Further changes may be made using the LMCT-100-2 wireless configuration tool.

### APPLICATIONS

Wattstopper's dual technology has the flexibility to work in a variety of applications where one technology alone may not be sufficient. Common LMDW-200 Series sensor applications include small private offices, executive offices, small and medium conference rooms and lunch/break rooms.

### FEATURES

- Software lockable configuration button, accessible without faceplate removal
- Plug n' Go™ automatic configuration for quick installation and maximum energy savings
- Push n' Learn™ functionality for customization without the need for tools or a PC
- Infrared (IR) transceiver for wireless configuration and control
- Sensors may be used for multi-way control
- Sleek single gang devices fit decorator wall plates; dimming and switching models available; seven color options
- Custom engraving available to replace standard engraving
- Detection Signature Processing eliminates false triggers and provides immunity to RFI and EMI
- This product meets the materials restrictions of RoHS
- BAA/TAA-compliant models available

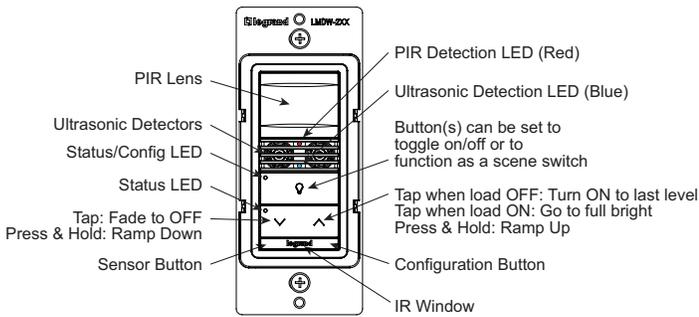
PROJECT	LOCATION/ TYPE
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## SPECIFICATIONS

- Input voltage: 24VDC from DLM network
- Current consumption: 20mA
- DLM local network connection: 2 RJ45 ports
- 1 button with rocker or 2 buttons, each with LED status indicator
- Infrared (IR) transceiver
- Operating conditions: for indoor use only; 32-131°F (0-55°C); 5-95% RH, non-condensing
- UL and cUL listed
- FCC part 15 compliant
- Five year warranty

## CONTROLS & SETTINGS

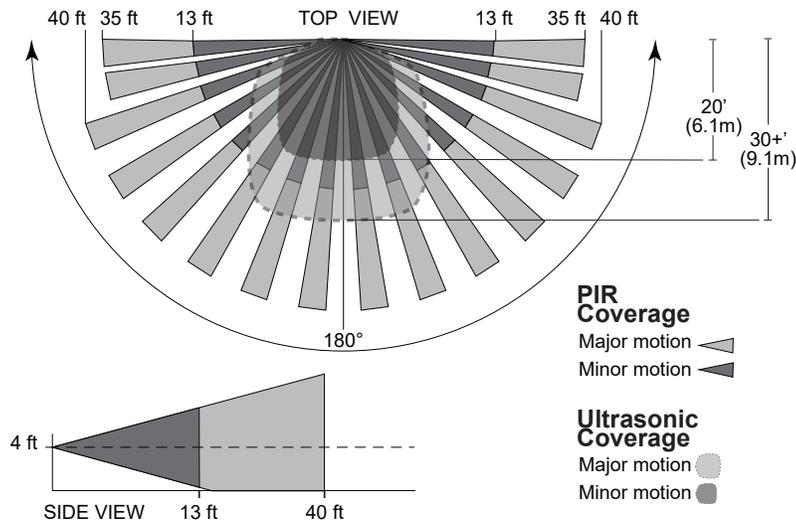
### Product Controls, Models and Sensor Settings



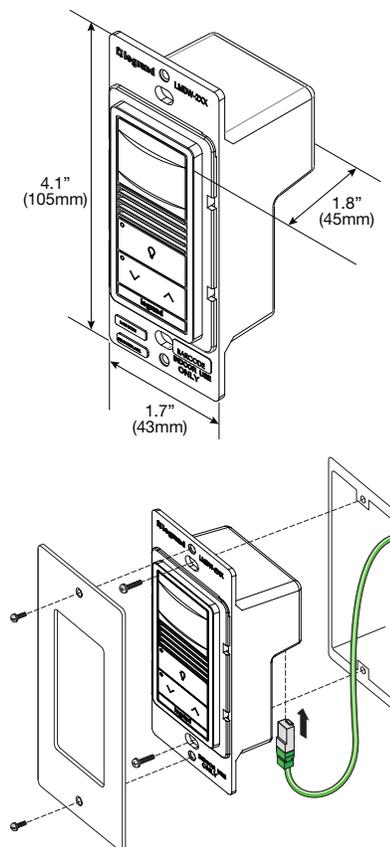
Sensor Parameter	Available Options	Default Setting
Time Delay	1-30 min. (1 min. increments) / Override	20 minutes
Walk Thru	On/Off	Off
PIR Sensitivity	10-100% (10% increments)/Off	90%
Ultrasonic Sensitivity	10-100% (10% increments)/Off	70%
Test Mode	Activate	Off
Detection Technology	Ultrasonic/PIR/Both/Neither	Both
Retrigger Technology	Ultrasonic/PIR/Both/Neither	Either

## COVERAGE & MOUNTING

### Coverage Patterns



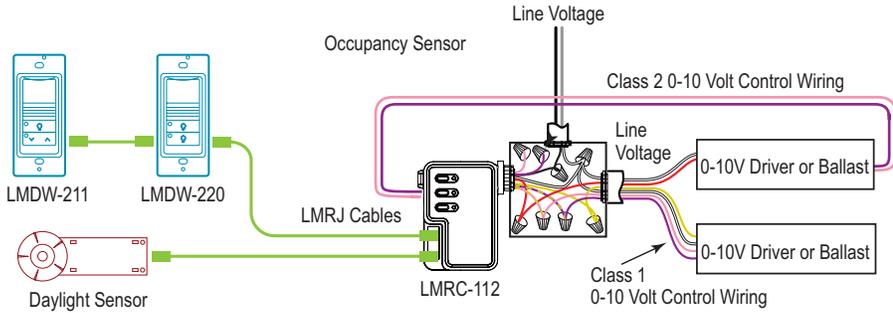
### Product Dimensions and Mounting



LMDW-200 Series Wall Switch Occupancy Sensors fit in standard gang boxes, or in a four square box with a one or two gang mud ring.

## WIRING

### Sample Connection Diagram



Plug DLM local network components together in any configuration using Cat 5e cables with RJ45 connectors.

## ORDERING INFORMATION

Catalog #	Color	Description
<input type="checkbox"/> LMDW-211-W	White	1-button, 1-rocker Dual Technology Occupancy Sensing Standard Switch
<input type="checkbox"/> LMDW-211-LA	Light Almond	
<input type="checkbox"/> LMDW-211-I	Ivory	
<input type="checkbox"/> LMDW-211-GRY	Gray	
<input type="checkbox"/> LMDW-211-BK	Black	
<input type="checkbox"/> LMDW-211-BR	Brown	
<input type="checkbox"/> LMDW-211-RED	Red	
<input type="checkbox"/> LMDW-211-W-U	White	
<input type="checkbox"/> LMDW-220-W	White	2-button Dual Technology Occupancy Sensing Standard Switch
<input type="checkbox"/> LMDW-220-LA	Light Almond	
<input type="checkbox"/> LMDW-220-I	Ivory	
<input type="checkbox"/> LMDW-220-GRY	Gray	
<input type="checkbox"/> LMDW-220-BK	Black	
<input type="checkbox"/> LMDW-220-BR	Brown	
<input type="checkbox"/> LMDW-220-RED	Red	
<input type="checkbox"/> LMDW-220-W-U	White	2-button Dual Technology Occupancy Sensing Standard Switch, BAA/TAA compliant*
<input type="checkbox"/> LMCT-100-2		Digital Wireless Configuration Tool

\*Product is compliant with Buy American Act and Trade Agreements Act

Wall switch sensors do not include face plates. Order decorator style plate separately.