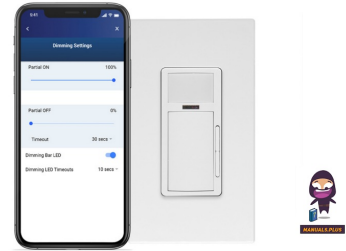


LEVITON®
ODDMT-MDx Smart
Multi Tech Dimming
Wallbox Sensor



LEVITON ODDMT-MDx Smart Multi Tech Dimming Wallbox Sensor Owner's Manual

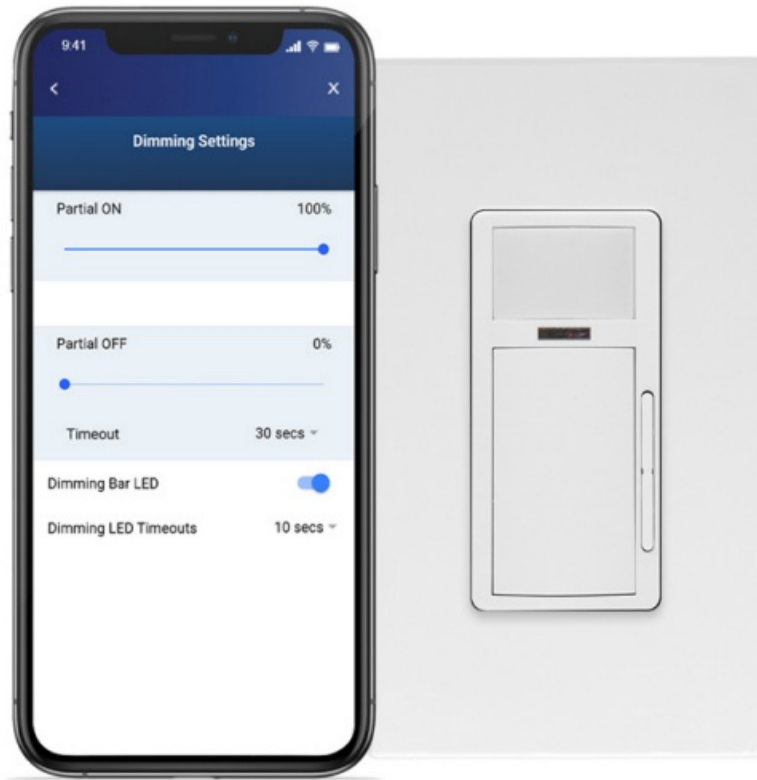
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LEVITON ODDMT-MDx Smart Multi Tech Dimming Wallbox Sensor



Specifications

- **Electrical:**
 - **Input Voltage/Frequency:** 120-277VAC, 50/60Hz
 - **Input Current:**
 - 120V – Standby: 0.2W; Max: 0.5W+Load Current
 - 277V – Standby: 0.3W; Max: 0.6W+Load Current
 - **Load Ratings:**
 - General Purpose @ 120V: 10A
 - General Purpose @ 277V: 10A
 - LED/Electronic Ballast @ 120V: 8A
 - LED/Electronic Ballast @ 277V: 5A
 - Standard Ballast @ 120V: 10A
 - Standard Ballast @ 277V
 - Tungsten @ 120V: 6.67A
 - Tungsten@ 277V: –
 - Motor @ 120V: 1/4HP (FLA 5.8A)
 - Motor @ 277V: 1/3HP (FLA 3.0A)
 - **IP Rating:** IP20
 - **Network Connections:** BLE 4.2, BLE 5.0
- **Environmental:**
 - **Operating Temperature:** -°C to -°C
 - **Storage Temperature:** -°C to -°C
- **Physical Dimensions:** 4.13 x 2.12 x 1.86 (104.90mm x 53.95mm x 47.25mm)
- **Other:**

- Energy Codes: Can be used to comply with ASHRAE 90.1, IECC and 2022 Title 24, Part 6 occupancy/vacancy sensing, dimming, and manual-ON/auto-OFF requirements
- Listings: IECC, UL, and cUL listed; JIS Z 2801:2000
- Certifications: FCC, ICC
- Warranty: Limited five-year warranty

Product Usage Instructions

Installation:

1. Turn off power to the circuit where the sensor will be installed.
2. Follow the provided wiring diagram to connect the sensor.
3. Mount the sensor in the desired location using the appropriate hardware.
4. Restore power and test the sensor by following the programming instructions.

Programming:

To program the sensor:

1. Press and hold the button following the installation instructions.
2. Configure settings based on your preferences using the provided table.

Usage:

The sensor detects motion in minor and major zones to control lighting accordingly.

Description

The Leviton Smart Dimming Wallbox Sensor (ODDMT-MDx) is designed for use with 0-10V ballasts and uses Passive Infrared (PIR) detection and Microphonics technology to monitor a room for occupancy. The PIR sensor uses a specialized segmented and tamper resistant lens that divides the field-of-view into sensor zones. When a person passes in or out of a sensor zone the sensor detects motion and switches the lights ON. The lights will remain ON as long as an occupant moves through the sensor zones and will turn off when the space becomes vacant and after the timeout expires. The ODDMT also utilizes Microphonic technology that “listens” for human activity in the space and will keep the lights ON when motion is detected. Microphonics does not require direct line of sight and can pick up human activity behind obstructions that PIR-only devices are unable to detect. The ODDMT features a vacancy mode for manual-ON/auto-OFF operation, ideal for installations where manual-ON switching is required for energy code applications.

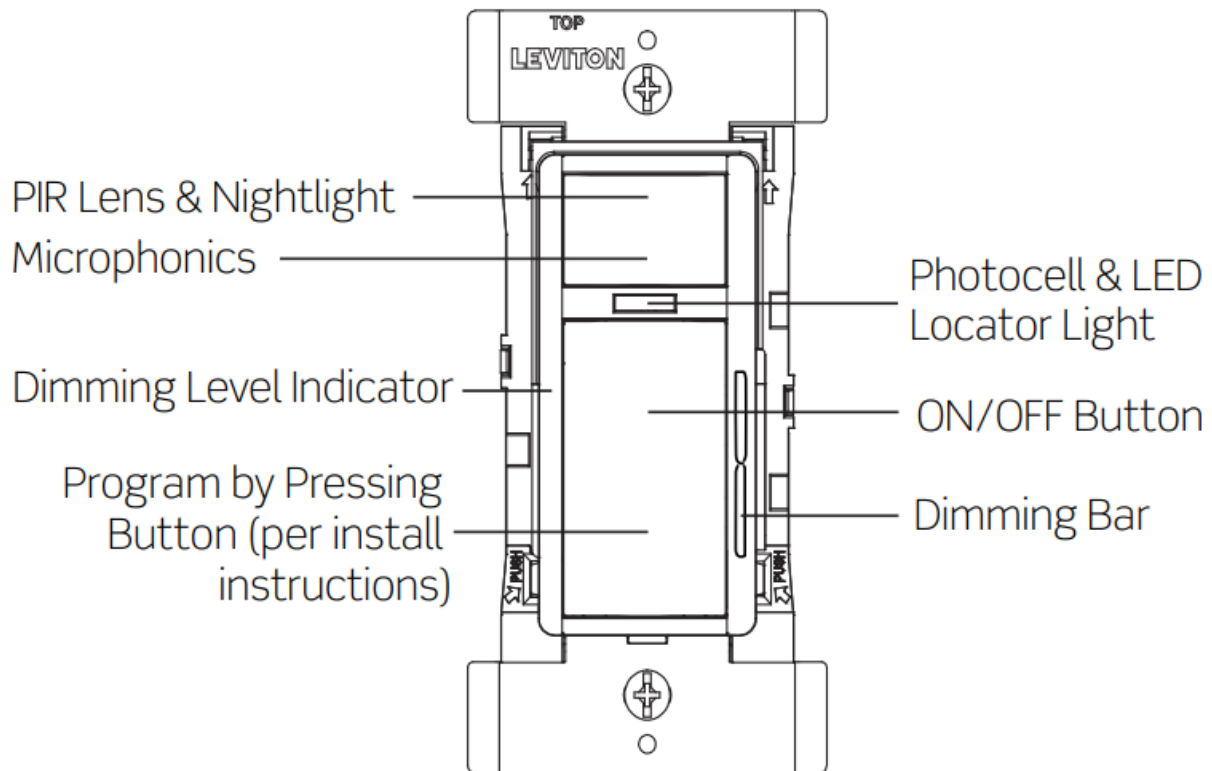
Lighting levels can be adjusted using the dimming bar next to the switch.

A “minor motion” zone detects small body movements. This detection allows the lights to remain ON when individuals in the space are more stationary. The “major motion” zone exhibits a lesser degree of sensitivity requiring larger movements.

Configuration of the ODDMT is made using the Leviton Smart Sensor App from a smartphone or other Bluetooth®-enabled Android or iOS device. Simple configuration can also be applied using pushbutton setup for several popular pre-configured options. The ODDMT integrates a photocell for daylighting hold-OFF which can be programmed using the Leviton Smart Sensor App.

Applications

- Office
- Small Lobbies
- Meeting Rooms
- Bathrooms/Restrooms
- Conference Rooms



Features

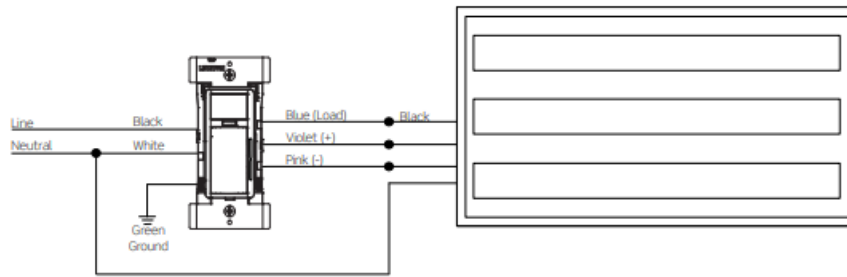
- Can be used to comply with ASHRAE 90.1, IECC and 2022 Title 24, Part 6 occupancy/vacancy sensing, dimming, and manual-ON/auto-OFF requirements
- Fits in a standard wallbox and gangable with other units
- Use the Leviton Push to Pair (P2P) process to create a multi-way system for up to 5 devices
- Controls LED lighting loads up to 8A
- One relay module for single-level switching
- 180° field-of-view provides approximately 1,100 square feet of coverage
- Latest PIR technology accurately detects minor motion up to 400sq ft and major motion up to 1,100 sq ft
- Maximum sensing distance in front of the sensor is 30-40 feet and 15-20 feet on either side
- Microphonics technology able to detect minor human activity and does not require direct line-of-sight
- Integrated photocell for daylighting hold-OFF
- Tamper resistant PIR lens
- Antimicrobial treated faceplate and wallplate available
- Advanced configuration can be performed using the Leviton Smart Sensor App on any Bluetooth-enabled Android or iOS device:
 - Set operating mode to Occupancy (Auto-ON/Auto-OFF) or Vacancy (manual-ON/auto-OFF)
 - Adjust sensitivity and timeouts
 - Set up partial-ON and partial-OFF levels and partial-OFF timeouts

- Enable the integrated photocell for daylighting hold-OFF and select target daylighting hold-OFF levels
- Create custom templates for easy multi-room replication of sensor settings
- Activate the nightlight and select nightlight color
- Set a security code to lock configuration settings
- Out-of-the-box configuration default mode:
 - Auto-ON/Auto-OFF with 20-minute time out
 - Sensitivity set to 75%
 - Nightlight and daylighting disabled
 - Convenient pushbutton hold configuration for installers without a smart device*:

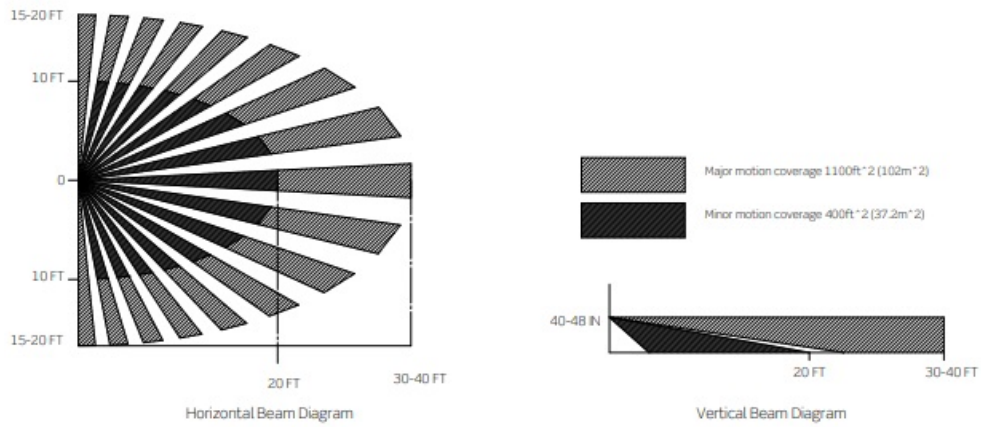
Pushbutton Hold Configuration				
Button (#)	Operating Mode	PIR Sensitivity (%)	Microphonics Sensitivity (%)	Time Out (mins)
1	Auto-ON/ Auto-OFF	75	75	20
2				10
3			OFF	20
4			50	
5		100	75	
6			100	
7	Manual-ON/ Auto-OFF	75	75	10
8				20
9			OFF	
10			50	
11		100	75	
12			100	

Requires removal of front face cover

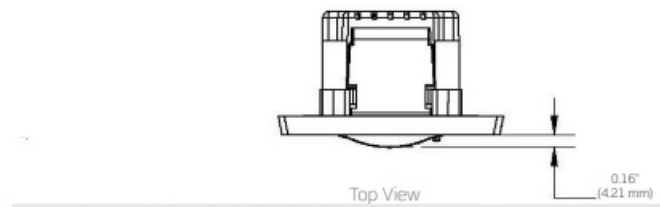
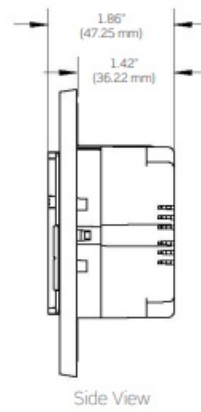
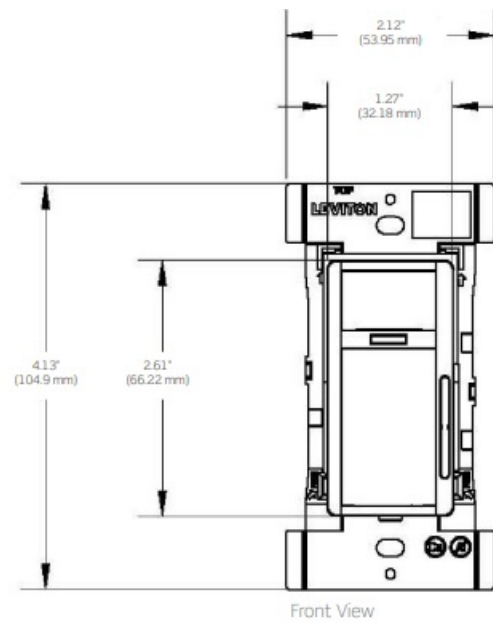
Wiring Diagrams—ODDMT-MDW



Field of View Diagram



Dimensions Diagram



Specifications

Electrical	
Input Voltage/Frequency	120-277VAC, 50/60Hz
Input Current	
120V	Standby: 0.2W; Max: 0.5W+Load Current
277V	Standby: 0.3W; Max: 0.6W+Load Current
Load Ratings	
General Purpose @ 120V	10A
General Purpose @ 277V	10A
LED/Electronic Ballast @ 120V	8A
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Standard Ballast @ 120V	10A
Standard Ballast @ 277V	
Tungsten @ 120V	6.67A
Tungsten@ 277V	
Motor @ 120V	1/4HP (FLA 5.8A)
Motor @ 277V	1/3HP (FLA 3.0A)
IP Rating	IP20
Network Connections	BLE 4.2, BLE 5.0
Environmental	
Operating Temperature	32 to 104°F (0 to 40°C)
Storage Temperature	-40 to 185°F (-40 to 85°C)
Physical	
Dimensions	4.13" x 2.12" x 1.86" (104.90mm x 53.95mm x 47.25mm)
Other	
Energy Codes	Can be used to comply with ASHRAE 90.1, IECC and 2022 Title 24, Part 6 occupancy/vacancy sensing, dimming, and manual-ON/auto-OFF requirements
Listings	IECC, UL and cUL listed; JIS Z 2801:2000
Certifications	FCC, ICC
Warranty	Limited five-year warranty

Product Data

ODDMT-MDx

Ordering Information

Smart Wallbox Sensors	
Cat. No.	Description
ODDMT-MDW	Smart Multi-Tech 0-10V Dimming Wallbox Sensor, App configurable; Auto-ON/Auto-OFF or manual-ON/auto-OFF, neutral wire required, 120/208/220/230/240/277VAC, 50/60 Hz; White
ODDMT-MDI	Smart Multi-Tech 0-10V Dimming Wallbox Sensor, App configurable; Auto-ON/Auto-OFF or manual-ON/auto-OFF, neutral wire required, 120/208/220/230/240/277VAC, 50/60 Hz; Ivory
ODDKT-00E	Smart Dimming Wallbox Sensor Color Change Kit, Black
ODDKT-00R	Smart Dimming Wallbox Sensor Color Change Kit, Red
ODDKT-00G	Smart Dimming Wallbox Sensor Color Change Kit, Gray
ODDKT-00I	Smart Dimming Wallbox Sensor Color Change Kit, Ivory
ODDKT-00T	Smart Dimming Wallbox Sensor Color Change Kit, Light Almond
ODDKT-00W	Smart Dimming Wallbox Sensor Color Change Kit, White

MORE INFORMATION

Leviton Manufacturing Co., Inc. Lighting & Controls
10385 SW Avery St Tualatin, OR 97062 tel [800-736-6682](tel:800-736-6682) tech line (6:00AM-4:00PM PT Mon-Fri) [800-959-6004](tel:800-959-6004)


Leviton Manufacturing Co., Inc. Global Headquarters
201 North Service Road, Melville, NY 11747-3138 tel [800-323-8920](tel:800-323-8920) tech line (8:00AM-10:00PM ET Mon-Fri, 9:00AM-7:00PM ET Sat, 9:00AM-5:00PM ET Sun) [800-824-3005](tel:800-824-3005)

Visit our Website at: www.leviton.com/smartsensors
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FAQ

- **How do I reset the sensor?**
 - To reset the sensor, press and hold the reset button for 10 seconds.
- **What is the warranty period for this product?**
 - This product comes with a limited five-year warranty.

Documents / Resources



[LEVITON ODDMT-MDx Smart Multi Tech Dimming Wallbox Sensor](#) [pdf] Owner's Manual ODDMT-MDx Smart Multi Tech Dimming Wallbox Sensor, ODDMT-MDx, Smart Multi Tech Dimming Wallbox Sensor, Tech Dimming Wallbox Sensor, Dimming Wallbox Sensor, Wallbox Sensor, Sensor

References

- [User Manual](#)

[Manuals+](#), [Privacy Policy](#)

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