



# LEVITON ODP10-M1x Smart Multi Tech 1000W Dimming Wallbox Sensor User Guide

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**LEVITON ODP10-M1x Smart Multi Tech 1000W Dimming Wallbox Sensor**



## Product Information

### Specifications

- **Electrical**

- **Input Voltage/Frequency:** 120VAC, 60Hz
- **Input Current:** 120V
- **Standby Power:** 0.2W
- **Max Power:** 0.5W + Load Current
- **Load Ratings:**
  - **Single Device:** LED, CFL, Electronic Ballasts @ 120V – 1000W; Resistive, Tungsten @ 120V – 600W
  - **Two Devices\*:** LED, CFL, Electronic Ballasts @ 120V – 680W; Resistive, Tungsten @ 120V – 600W
  - **More Than Two Devices\*:** LED, CFL, Electronic Ballasts @ 120V – 600W; Resistive, Tungsten @ 120V – Not rated for use
- **IP Rating:** IP20
- **Network Connections:** BLE 4.2, BLE 5.0

- **Environmental**

- Operating Temperature
- Storage Temperature

- **Physical**

- **Dimensions:** 4.13 x 2.12 x 1.86 inches (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

- **Certifications:** FCC, IC
- **Warranty:** Limited five-year warranty

## Product Usage Instructions

### Configuration

The configuration of the ODP10 can be done using the Leviton Smart Sensor App from a smartphone or other Bluetooth-enabled Android or iOS device. Alternatively, you can also perform a simple configuration using the pushbutton setup for several common pre-configured options.

### Programmable Options

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

## Frequently Asked Questions

### • Q: How do I configure the ODP10?

A: You can configure the ODP10 using the Leviton Smart Sensor App on your smartphone or other Bluetooth-enabled Android or iOS device. Alternatively, you can use the pushbutton setup for pre-configured options.

### • Q: What is the maximum load rating for the ODP10?

A: The maximum load rating for a single device is 1000W. For two devices, it is 680W. For more than two devices, it is 600W. Please note that the ODP10 is not rated for use with motors.

### • Q: What are the dimensions of the ODP10?

A: The dimensions of the ODP10 are 4.13 x 2.12 x 1.86 inches (104.90mm x 53.95mm x 47.25mm).

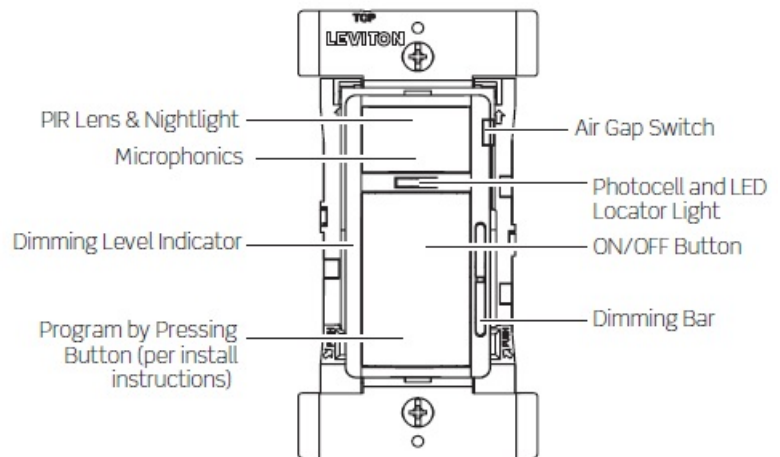
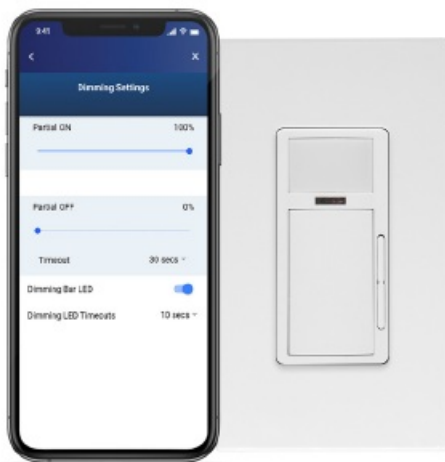
### • Q: Can the ODP10 be used to comply with energy codes?

A: Yes, the ODP10 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.

### • Q: What are the warranty details for the ODP10?

A: The ODP10 comes with a limited five-year warranty.

## Overview



## Description

The Leviton Smart 1000W Dimming Wallbox Sensor (ODP10-M1x) can easily switch and dim incandescent and dimmable LED or CFL bulbs while monitoring a room for occupancy using Passive Infrared (PIR) detection and Microphonics technology. 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 ODP10 also utilizes Microphonic technology that “listens” for human activity in space and will keep the lights ON when motion is detected. Microphonics does not require a direct line of sight and can pick up human activity behind obstructions that PIR-only devices are unable to detect. The ODP10 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 ODP10 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 common pre-configured options. The ODP10 integrates a photocell for daylighting hold-OFF which can be programmed using the Leviton Smart Sensor App.

## Applications

- Offices
- Lobbies
- Small meeting rooms
- Retrofit applications
- 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

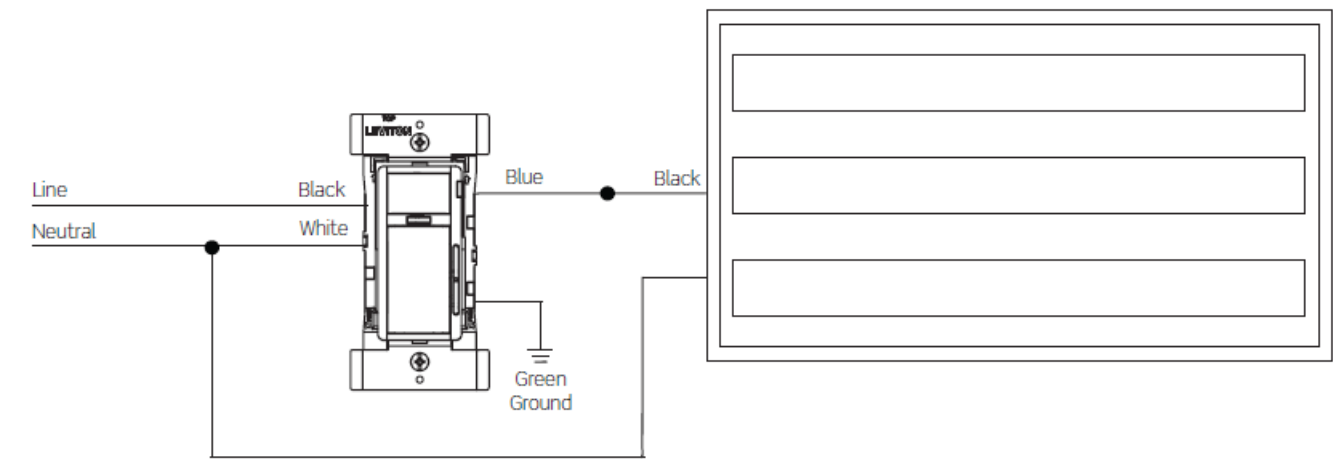
- Fits in a standard wall box and is changeable with other units
- Meets NEMA SSL 7A Dimmer Compliance
- Controls LED lighting loads up to 1000W
- One relay module for single-level switching
- 180° field-of-view provides approximately 1,100 square feet of coverage
- Latest PIR technology accurately detects minor motion up to 400 sq 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 can detect human activity and does not require direct line-of-sight
- Integrated photocell for daylighting hold-off
- Easy access Air Gap switch when replacing lamp(s)
- Tamper-resistant PIR lens
- Use the Leviton Push to Pair (P2P) process to create a multi-way system for up to 5 devices
- Advanced configuration can be performed using the Leviton Smart Sensor App on any Bluetooth-enabled Android or iOS device:
  - Set the operating mode for 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 the 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—no smart device needed\*:

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	

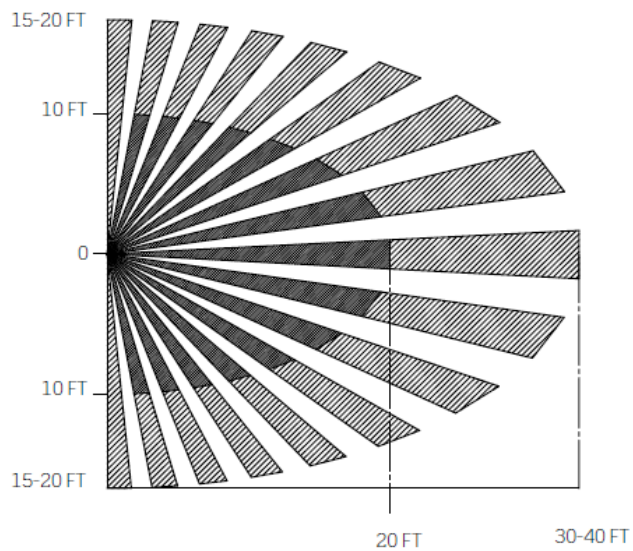
Requires removal of front face cover

Wiring Diagrams

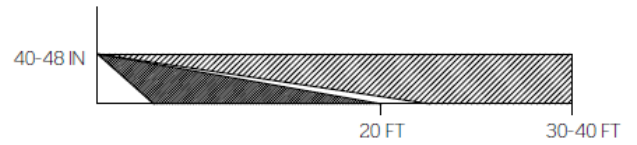
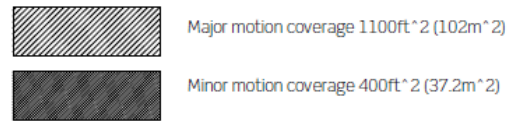
ODP10-M1x



Field of View Diagram



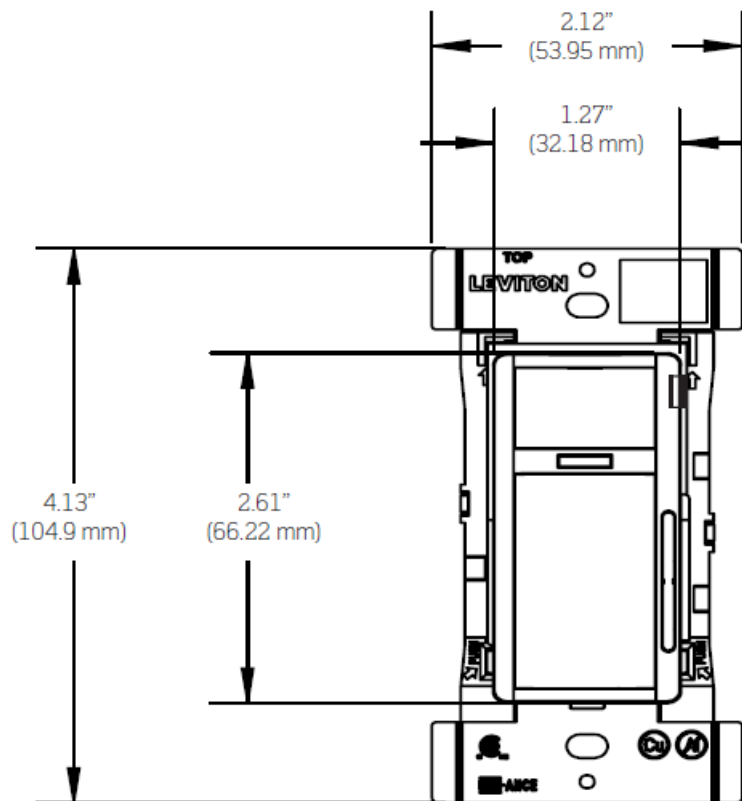
Horizontal Beam Diagram



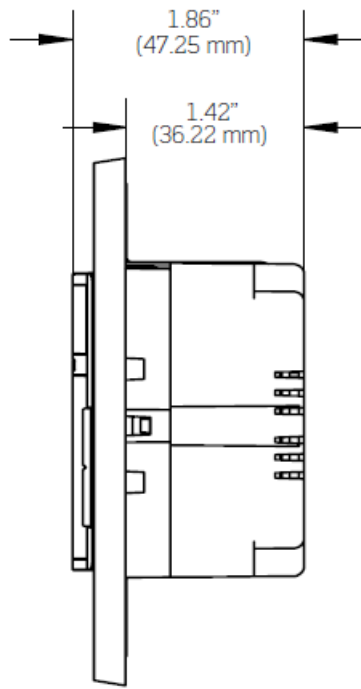
Vertical Beam Diagram

## Dimensions Diagram

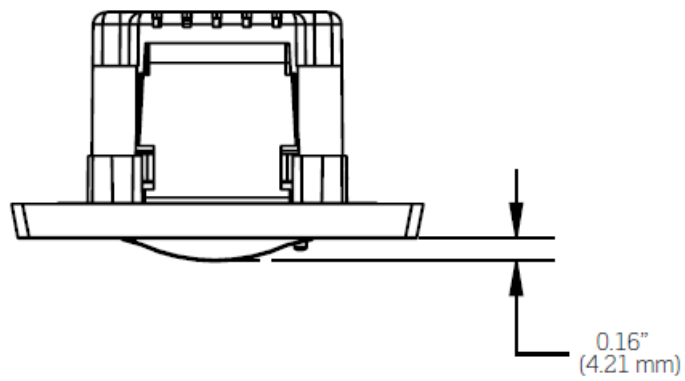
### Front View



### Side View



**Top View**



**Specifications**



Electrical			
Input Voltage/Frequency	120VAC, 60Hz		
Input Current			
120V	Standby: 0.2W; Max: 0.5W+Load Current		
Load Ratings	Single	Two Devices*	More Than Two Devices*
LED, CFL, Electronic Ballasts @ 120V	1000W	680W	600W
Magnetic Ballasts @ 120V			
Resistive, Tungsten @ 120V			
Motor @ 120V	Not rated for use		
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		
Certifications	FCC, IC		
Warranty	Limited five-year warranty		

For multi-gang devices mounted side by side

## Ordering Information

Smart Wallbox Sensors	
Cat. No.	Description
ODP10-M1W	Smart Multi-Tech 1000W Dimming Wallbox Sensor, App configurable; auto-ON/auto-OFF or manual-ON/auto-OFF, neutral wire required, 120VAC, 50/60Hz, White
ODP10-M1I	Smart Multi-Tech 1000W Dimming Wallbox Sensor, App configurable; auto-ON/auto-OFF or manual-ON/auto-OFF, neutral wire required, 120VAC, 50/60Hz, 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

### Leviton Manufacturing Co., Inc. Lighting & Controls

201 North Service Road, Melville, NY 11747-3138 tel 800-323-8920 tech line (8:00 AM-10:00 PM ET Mon-Fr, 9:00 AM-7:00 PM ET Saturday, 9:00 AM-5:00 PM ET) 800-824-3005 ©2023 Leviton Manufacturing Co., Inc. All rights reserved. Subject to change without notice.

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10385 SW Avery St., Tualatin, OR 97062 tel 800-736-6682 tech line (6:00 AM-4:00 PM PT Mon-Fri) 800-959-6004.


### Leviton Manufacturing Co., Inc. Global Headquarters

201 North Service Road, Melville, NY 11747-3138 tel 800-323-8920 tech line (8:00 AM-10:00 PM ET Mon-Fr, 9:00 AM-7:00 PM ET Saturday, 9:00 AM-5:00 PM ET) 800-824-3005

Visit our Website at: [www.leviton.com/smartsensors](http://www.leviton.com/smartsensors)

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## Documents / Resources

	<p><b><a href="#">LEVITON ODP10-M1x Smart Multi Tech 1000W Dimming Wallbox Sensor</a></b> [pdf] User Guide  ODP10-M1x Smart Multi Tech 1000W Dimming Wallbox Sensor, ODP10-M1x, Smart Multi Tech 1000W Dimming Wallbox Sensor, Tech 1000W Dimming Wallbox Sensor, 1000W Dimming Wall box Sensor, Dimming Wallbox Sensor, Wallbox Sensor</p>
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## References

- [Smart Sensor: Occupancy, Vacancy, Dimming, Light Integrated](#)

- [User Manual](#)

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