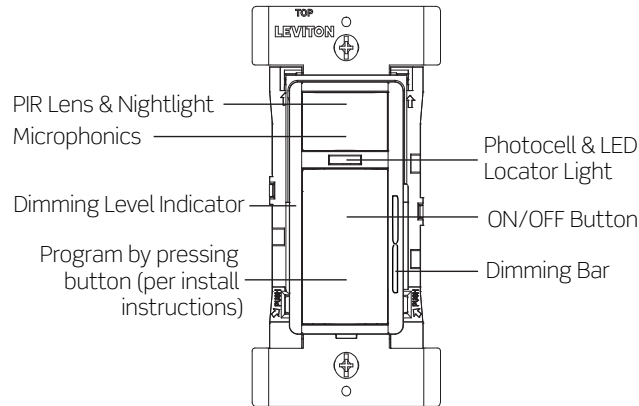
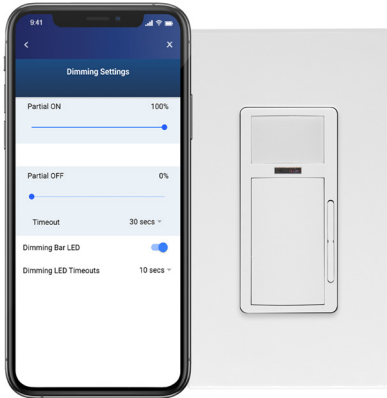


Smart Multi-Tech 24V Dimming Wallbox Sensor



Description

The Leviton Smart 24V Dimming Wallbox Sensor (ODDMT-MLW) is designed for use with an OPP20 or OSA20 Power Pack or other Leviton (24V) low voltage sources. The sensor 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 common 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
- ODDMT is designed for use with a power pack (OPP20 or OSA20) or other Leviton low voltage (24V) source
- 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 human activity and does not require direct line-of-sight
- Integrated photocell for daylighting hold-OFF
- Add a Power Pack and Controlled Receptacles for plug load control
- 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 timeout
 - Sensitivity set to 75%
 - Nightlight and daylighting disabled

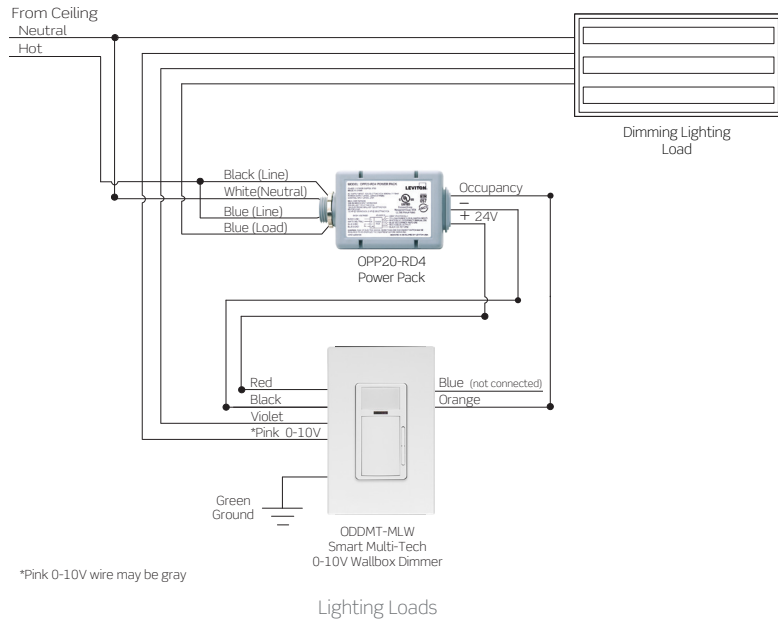
Features (continued)

- 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 | | | | 50 | |
| 4 | | 100 | 75 | 20 | |
| 5 | | | | | 100 |
| 6 | | | | | 100 |
| 7 | manual-ON/ auto-OFF | 75 | 75 | 10 | |
| 8 | | | | 10 | |
| 9 | | | | 50 | |
| 10 | | 100 | 75 | 20 | |
| 11 | | | | | 100 |
| 12 | | | | | 100 |

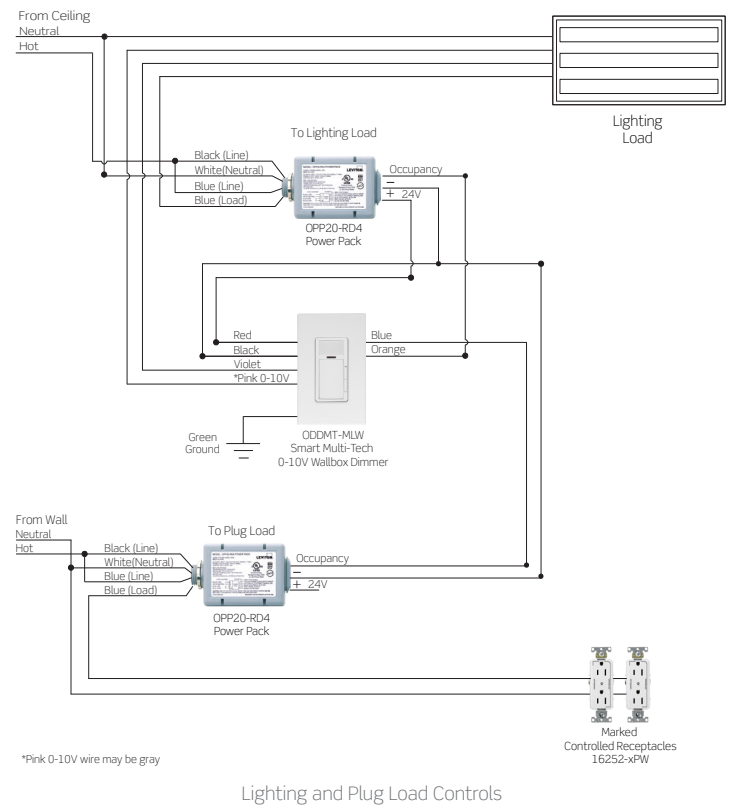
*Requires removal of front face cover

Wiring Diagram—ODDMT-MLW



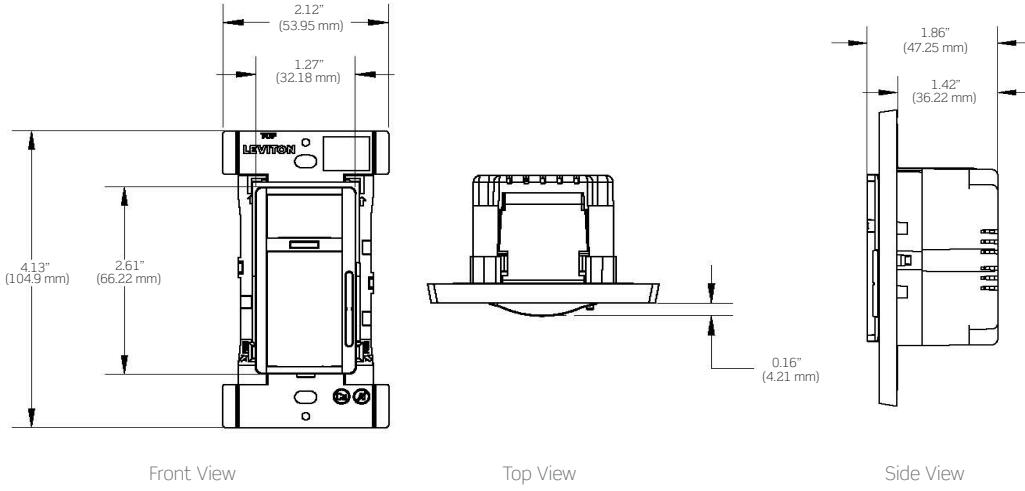
*Pink 0-10V wire may be gray

Wiring Diagram—Plug Load Control—ODDMT-MLW

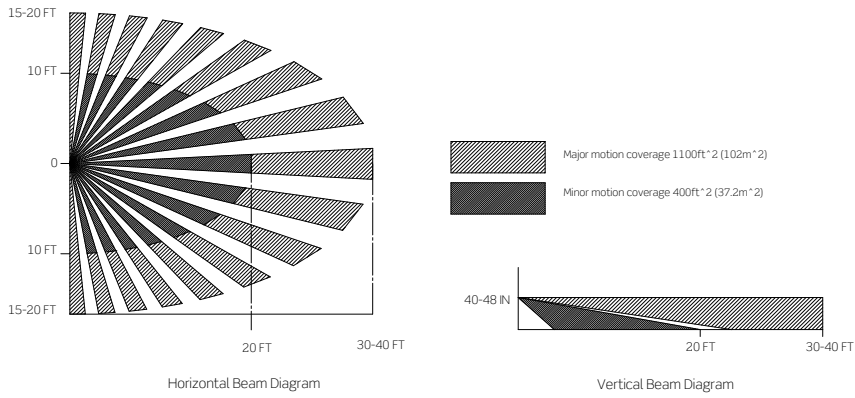


*Pink 0-10V wire may be gray

Dimensions Diagram



Field of View Diagram



Specifications

| Electrical | |
|-------------------------|--|
| Input Voltage/Frequency | 12-24VDC |
| Input Current | |
| 24V | 0.02A |
| 120-277 | N/A |
| 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 |

Ordering Information

| Smart Wallbox Sensors | |
|-----------------------|---|
| Cat. No. | Description |
| ODDMT-MLW | Smart Multi-Tech 24V Dimming Wallbox Sensor, 12-24V input Sensor, App configurable; White |
| 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 |

Note: Wallplate sold separately.

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

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