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LEDONE 0-10V DIMMING (LOD-BRI810-B-D)

LEDONE Microwave Motion Sensor Instruction Manual

Model: 0-10V DIMMING (LOD-BRI810-B-D)

Brand: LEDONE

1. PRODUCT OVERVIEW

The LEDONE Microwave Motion Sensor is designed for commercial lighting applications, offering advanced motion detection and 0-10V dimming capabilities. This sensor provides reliable performance across a wide range of environmental conditions, contributing to energy efficiency and automated lighting control.



Figure 1: Front view of the LEDONE Microwave Motion Sensor.

Key Features:

- **0-10V Dimmable:** Compatible with most popular dimmers for commercial projects.
- **360° Wide Angle Detection:** Detects movement up to 20 feet from any angle.
- **Stable and Reliable:** Operates effectively in temperatures from -40°F to 158°F.

- **Energy Saving:** Automatic on/off functionality based on detected movement.

2. SETUP AND INSTALLATION

Proper installation is crucial for optimal performance. This device is designed for wall mount installation and requires a corded electric connection. Consult a qualified electrician for wiring if you are unfamiliar with electrical installations.



Figure 2: Side view of the sensor with wiring connections.

Installation Steps:

1. **Power Disconnection:** Ensure power to the installation area is turned off at the circuit breaker before beginning any wiring.
2. **Mounting:** Securely mount the sensor to a wall using appropriate hardware. Ensure the sensor has an unobstructed view of the detection area.
3. **Wiring:** Connect the sensor to the power supply and lighting fixture according to local electrical codes and the wiring diagram provided with the product packaging. The sensor supports 0-10V dimming; ensure proper connections for this functionality if desired.
4. **Power Connection:** Once all connections are secure, restore power to the circuit.
5. **Initial Test:** Perform an initial test to ensure the sensor powers on and the connected lights respond.

Configuration:

The sensor can be configured using either DIP switches or a remote control (sold separately). Refer to the specific instructions included with your product for detailed settings related to detection sensitivity, hold time, and daylight harvesting.

3. OPERATING INSTRUCTIONS

The LEDONE Microwave Motion Sensor operates by detecting movement within its 360-degree detection zone. Once configured, the sensor will automatically control connected lighting based on presence detection and ambient light levels (if daylight harvesting is enabled).

Automatic Operation:

- When motion is detected, the sensor will activate the connected lighting.
- If no motion is detected for a pre-set "hold time," the sensor will either dim the lights (if 0-10V dimming is configured) or turn them off completely.
- The detection range is up to 20 feet, covering a wide area.

Adjusting Settings:

Settings such as sensitivity, hold time, and dimming levels can be adjusted via the DIP switches on the unit or through a compatible remote control. Consult the specific configuration guide for your model to understand each setting's function and how to adjust it.

4. MAINTENANCE

The LEDONE Microwave Motion Sensor is designed for minimal maintenance. Regular checks can help ensure continued optimal performance.

- **Cleaning:** Periodically wipe the sensor's surface with a soft, dry cloth to remove dust or debris. Avoid using abrasive cleaners or solvents.
- **Inspection:** Annually inspect the wiring connections for any signs of wear or damage. Ensure the sensor is securely mounted.
- **Environmental Factors:** Ensure the sensor is not obstructed by new installations or objects that could interfere with its detection field.

5. TROUBLESHOOTING

If you encounter issues with your LEDONE Microwave Motion Sensor, refer to the following common troubleshooting steps:

Problem	Possible Cause	Solution
Lights do not turn on with motion.	No power to the sensor. Incorrect wiring. Sensor sensitivity set too low. Obstruction in detection path.	Check circuit breaker and power connections. Verify wiring against diagram. Increase sensor sensitivity via DIP switch or remote. Remove any obstructions.
Lights remain on or turn on without motion.	Sensor sensitivity set too high. Interference from external sources (e.g., HVAC, vibrations). Hold time set too long.	Decrease sensor sensitivity. Relocate sensor or identify source of interference. Adjust hold time setting.

Problem	Possible Cause	Solution
Dimming function not working.	Incorrect 0-10V wiring. Incompatible dimmer or fixture.	Verify 0-10V wiring connections. Ensure connected fixture and dimmer are 0-10V compatible.

If the problem persists after attempting these solutions, contact LEDONE customer support for further assistance.

6. SPECIFICATIONS

Feature	Detail
Brand	LEDONE
Model Number	0-10V DIMMING (LOD-BRI810-B-D)
Color	White
Power Source	Corded Electric (120-277 Vac)
Maximum Range	20 Feet
Mounting Type	Wall Mount
Detection Angle	360 Degrees
Operating Temperature	-40°F to 158°F
Product Dimensions	4.17 x 1.6 x 1.46 inches
Item Weight	1 pound

7. WARRANTY INFORMATION

LEDONE products are manufactured to high standards. For specific warranty terms and conditions applicable to your Microwave Motion Sensor, please refer to the documentation included with your purchase or visit the official LEDONE website. LEDONE is based in California and aims to provide quality products and services.

8. CUSTOMER SUPPORT


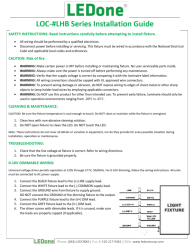
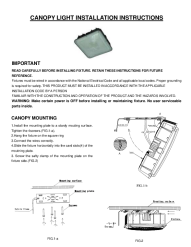


For technical assistance, troubleshooting beyond this manual, or inquiries regarding your LEDONE Microwave Motion Sensor, please contact LEDONE customer support.

You can typically find contact information on the LEDONE official website or through the retailer where the product was purchased.

Online Resources: Visit the [LEDONE Store on Amazon](#) for additional product information and support.



Related Documents - 0-10V DIMMING (LOD-BRI810-B-D)

 <p>LEDone HB006 Microwave Motion Sensor</p> <p>Technical specifications and features for the LEDone HB006 Microwave Motion Sensor, including detection coverage, dimming control, and dusk/dawn functionality.</p>	<p>LEDone HB006 Microwave Motion Sensor: Specifications and Features</p> <p>Detailed technical specifications, features, and application examples for the LEDone HB006 Microwave Motion Sensor, including detection coverage, dimming control, and dusk/dawn functionality.</p>
 <p>LEDone LOC-#LHB Series Installation Guide</p> <p>Comprehensive installation guide for LEDone LOC-#LHB Series linear high bay lighting fixtures, detailing safety precautions, wiring instructions for 0-10V dimming, troubleshooting tips, and mounting options including V-Hook/Chain and Pendant.</p>	<p>LEDone LOC-#LHB Series Installation Guide</p> <p>Comprehensive installation guide for LEDone LOC-#LHB Series linear high bay lighting fixtures, detailing safety precautions, wiring instructions for 0-10V dimming, troubleshooting tips, and mounting options including V-Hook/Chain and Pendant.</p>
 <p>LEDone CANOPY LIGHT INSTALLATION INSTRUCTIONS</p> <p>Detailed installation instructions for the LEDone Canopy Light, model CP01A-40-50K-LV, covering important safety precautions, canopy mounting, pendant mounting, wiring (including 0-10V dimmable options), cleaning, maintenance, and troubleshooting.</p>	<p>LEDone Canopy Light Installation Guide (CP01A-40-50K-LV)</p> <p>Detailed installation instructions for the LEDone Canopy Light, model CP01A-40-50K-LV, covering important safety precautions, canopy mounting, pendant mounting, wiring (including 0-10V dimmable options), cleaning, maintenance, and troubleshooting.</p>
 <p>LEDone LED 3 Multi Wattage Multi CCT 4 Foot Wrap Around Light</p> <p>Explore the detailed technical specifications for the LEDone LO-LOC-4FWA-MW-48-MCCT-D 4-foot LED wrap-around light. This fixture offers selectable wattage (32W, 40W, 48W) and CCT (3500K, 4000K, 5000K), high lumen output, 120-277V input, and is ideal for commercial applications. Features include IP20 rating, 50,000-hour lifespan, and 0-10V dimming.</p>	<p>LEDone LO-LOC-4FWA-MW-48-MCCT-D: 4ft Multi Wattage Multi CCT LED Wrap Light Specifications</p> <p>Explore the detailed technical specifications for the LEDone LO-LOC-4FWA-MW-48-MCCT-D 4-foot LED wrap-around light. This fixture offers selectable wattage (32W, 40W, 48W) and CCT (3500K, 4000K, 5000K), high lumen output, 120-277V input, and is ideal for commercial applications. Features include IP20 rating, 50,000-hour lifespan, and 0-10V dimming.</p>
 <p>LEDone LOC-PT Series Installation Guide</p> <p>Installation guide for the LEDone LOC-PT Series outdoor lighting fixture, covering safety, mounting, wiring, and wattage/CCT adjustments.</p>	<p>LEDone LOC-PT Series Installation Guide</p> <p>Installation guide for the LEDone LOC-PT Series outdoor lighting fixture, covering safety, mounting, wiring, and wattage/CCT adjustments.</p>
 <p>LEDone LEDone ELHB High Bay Light Family Series</p> <p>Detailed specifications, features, and application suitability for the LEDone LOC-ELHB High Bay LED Light Family Series. Includes wattage, CCT, lumens, efficacy, dimensions, and mounting guidelines for industrial and commercial use.</p>	<p>LEDone LOC-ELHB High Bay LED Light Series: Specifications and Applications</p> <p>Detailed specifications, features, and application suitability for the LEDone LOC-ELHB High Bay LED Light Family Series. Includes wattage, CCT, lumens, efficacy, dimensions, and mounting guidelines for industrial and commercial use.</p>