

MPW-L

150° Passive Infrared • Low Voltage
Occupancy Sensor

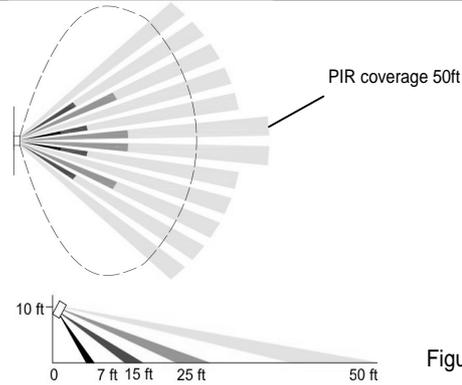
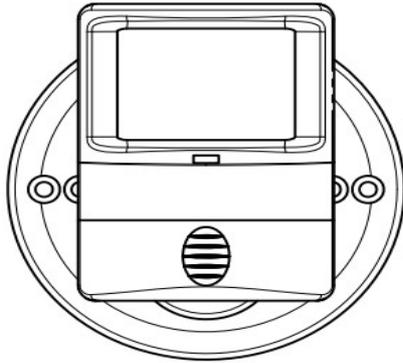


Figure 1

SPECIFICATIONS

Voltage	22-26 VDC
Current Consumption.....	40mA
Power Supply.....	MPP-24 Power Pack (Not Included)
Operating Temperature	32° to 131°F (0° to 55°C)
Adjustable Time Delay.....	30 Sec. to 30 Min.
Adjustable Light Level	100 Lux -daylight
PIR Adjustment.....	25% to 100%
PIR Coverage.....	900ft ²

DESCRIPTION

The MPW-L passive infrared (PIR) occupancy sensors turn lighting on and off based on occupancy and ambient light levels. The light level feature keeps lights from turning on if the ambient light level is sufficient. The sensors can be configured to turn lighting on, and hold it on as long as PIR technology detects occupancy. After no movement is detected for the selected time delay, the lights switch off.

The MPW-L operates on 24V supplied by the MPP-24 Power Packs (Not Included)

COVERAGE

The MPW-L provides a 150° coverage pattern. The coverage shown represents walking motion at a mounting height of 10 feet. For building spaces with lower levels of activity or with obstacles and barriers, coverage size may decrease.

WARNING

Turn the POWER OFF at the circuit breaker before installing the sensor

Read and understand these instructions before installing. This device is intended for installation in accordance with the National Electric Code and local regulations. It is recommended that a qualified electrician performs this installation. Make sure to turn off the circuit breaker or fuse(s) and make sure power is off before wiring the device.

Use copper wire only.

WIRING DIRECTIONS

1. Make sure that the power has been turned OFF at the circuit breaker.
2. Connect lead wires as WIRING DIAGRAM (see Figure 2): Black lead to Common, Red lead to +24V, Blue lead to Control Out.

Wiring Diagram:

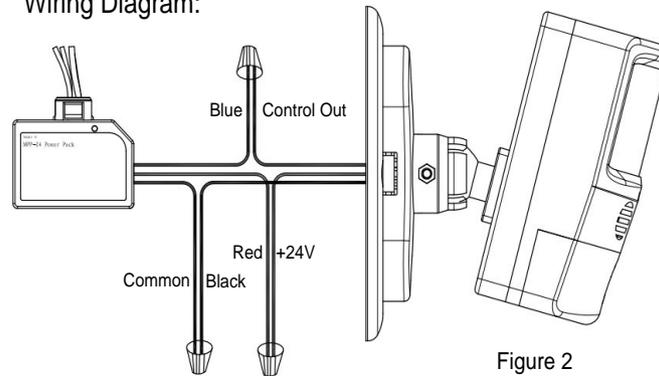


Figure 2

3. Mount device up to walls or ceilings.
4. Gently position wires in wall/octagon box,
 - a. attach sensor switch to the box, and fix it to the wall/ceiling with two screws.

- b. attach sensor switch to the mounting yoke with wires through its central hole, and fix the yoke to the wall/ceiling.
5. Restore power at circuit breaker or fuse, wait *one* minute.
 6. Remove the small cover plate.
 7. Locate the adjustment knob on the control panel to perform test and adjustment. (illustrated as Figure 3.)
 8. Replace the small cover plate after testing and adjustment.

SETTINGS ADJUSTMENT

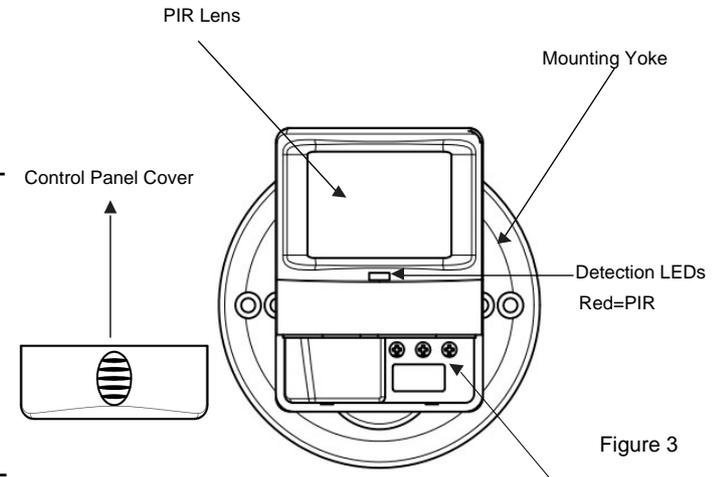
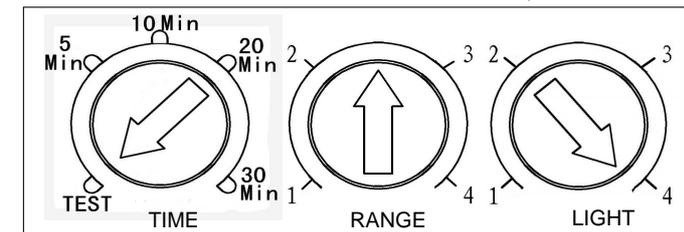


Figure 3



TIME Adjustment Trimpot

Default position: Time (Test at position 1)
Adjustable: 5 sec. to 30 mins (clockwise)

PIR Adjustment Knob

Default position: Center
Note: Turn toward right for greater room space.
Turn toward left to avoid false alert in smaller room and near the door way or heat source.

Ambient Light Level Adjustment Trimpot

Default position: Daylight (100% at position 4)
Adjustable: Clock wise

OPERATION

The Sensor Switch is programmed for Occupancy Mode only.

Automatic Turning On/Off the Load

Once the power is on, the load will be turned On according to the occupancy settings. The sensor time delay operates as programmed.

When the load turns OFF due to the lack of motion detection, the load can be turned ON again by occupancy detection or switch activation.

The Sensor keeps the Load On until no motion is detected plus the set time delay, load(s) will be turned Off automatically.

TROUBLESHOOTING

WARNING: Turn off the power at the circuit breaker before installation. Lights do not turn on with occupancy, and the following condition exists:

PIR Activity LED does not flash:

NOTE: When power is initially applied to the sensor, there is a warm-up period of up to 1 minute before the LED is active.

1. Check that the circuit breaker or any wall switch connected to the sensor has been turned back on.
2. Make sure that the PIR Sensitivity is set for Max.
3. Make sure the wire is connected right.

PIR Activity LED flashes:

1. If the sensor's Light Level has been turned to minimum (at position 1), the lights connected to the Light Level Output might be held off because of the level of ambient light in the controlled area. To test whether the Light Level adjustment is the problem, cover the PIR lens and PIR Activity LED with your hand to see if the lights turn on. If the lights turn on, the Light Level setting was keeping the lights off (see, "Sensor Adjustment" for readjustment).
2. Make sure the wire is connected right.

Lights do not turn off automatically:

1. The sensor may be experiencing activations from outside the controlled area or from some type of interference (see "Unwanted Sensor Activations" below).
2. Make sure the wire is connected right.

WARRANTY INFORMATION

This device is warranted to be free of material and workmanship defects for 2 years from the date of purchase. Original receipt or proof of purchase from an authorized retailer must be presented upon warranty claim. ALL claims must be verified and approved by Enerlites, Inc. Warranties from other Enerlites products may vary. This warranty is nontransferable and does not cover normal wear and tear or any malfunction, failure, or defect resulting from misuse, abuse, neglect, alteration, modification, or improper installation. To the fullest extent permitted by the applicable state law, Enerlites shall not be liable to the purchaser or end user customer of Enerlites products for direct, indirect, incidental, or consequential damages even if Enerlites has been advised of the possibility of such damages. Enerlites' total liability under this or any other warranty, express or implied, is limited to repair, replacement or refund. Repair, replacement or refund are the sole and exclusive remedies for breach of warranty or any other legal theory.

