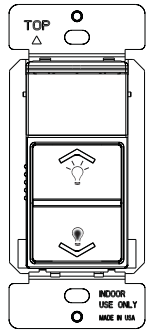


## DWODS-010

OCCUPANCY / VACANCY SENSOR  
WITH 0-10V DIMMER SWITCH



### SPECIFICATIONS

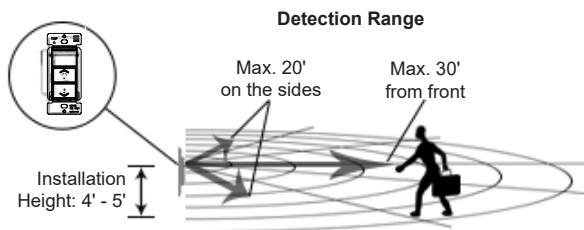
Voltage.....	120/277 VAC, 60Hz
Resistive.....	6A @120VAC, 3A @277VAC
Load Rating.....	up to 30mA
IEC 60929 Ballast/Drivers Current Draw.....	2mA Maximum
Motor.....	1/8HP
Time Delay.....	15Sec, 10, 20, and 30Mins
Photocell Range .....	30 Lux to Daylight
Operation Temperature.....	32° F--104° F

### DESCRIPTION

The DWODS-010 uses advanced passive infrared sensor to detect heat emitted motion. The sensor switch can turn on/off a 0-10V load and keep it on as long as it detects motion. The sensor will automatically shut off the load at the end of the selected time delay. The countdown of the selected time delay starts after the last motion detected. The sensor is customizable with dials that can adjust **Time Delay**, detection **Range**, ambient **Light Level**, and a switch to change between **Occupancy/ Vacancy** modes.

### COVERAGE

As illustrated in Figure 1, The DWODS-010 has a 180° detection range with a maximum distance of 30' detection in front of the sensor and 20' on the sides. For maximum results, the sensor must be properly installed between the height of 4' to 5' and away from obstructions such as walls, furniture and transparent barriers like Low-E glass.



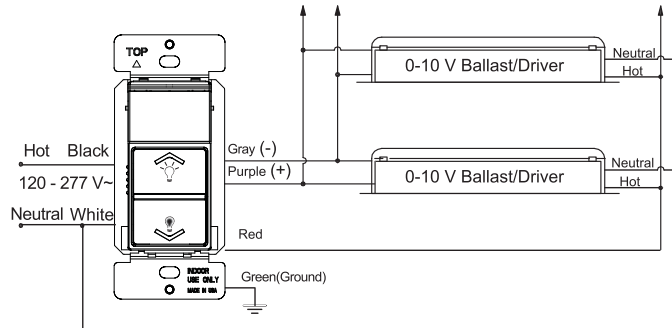
### WARNING

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.

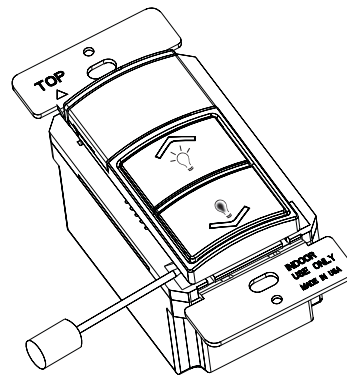
Use copper wire only

### WIRING DIAGRAM

1. Pull the existing switch out of the wall box and leave the device connected.
2. Next, identify and label all the wires.
3. Once you've identified the wires, follow the diagram below for wiring.



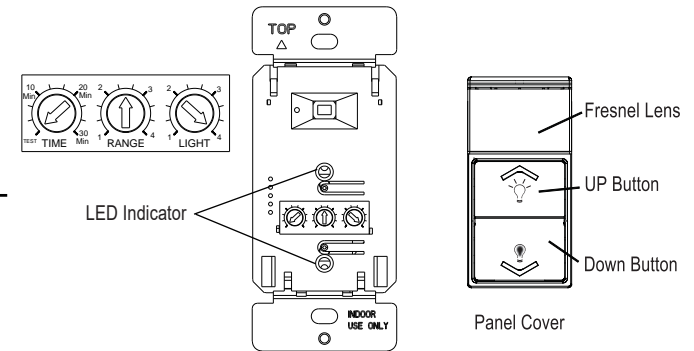
### CHANGE FACE COVER/CONTROL PANEL ACCESS



To remove the face cover, use a flat screwdriver and insert the tip into the gap shown in the diagram above and pry the cover off.

To re-install, simply align the cover and snap back on.

### ADJUSTMENT DIALS



#### Time Delay Knob

Default position: 15 Seconds (Test mode)  
Adjustable: from 15 Seconds to 30 Minutes (clockwise)

#### Sensor Sensitivity Range Knob

Default position: Center at 65%  
Adjustable: 30% (Position 1) to 100% (Position 4) Note: Turn toward right for greater room space.

Turn toward left to avoid false alert in smaller room and near the doorway or heat source.

#### Ambient Light Level Knob

Default position: Daylight (100% at position 4)  
Adjustable: Daylight to 30Lux (Counter clockwise)  
Note: to avoid wasting energy by turning the light in daylight.

### OPERATING MODES

#### Occupancy (OCC) Mode (Default): Auto ON/ Auto OFF

The lights will automatically turn on when motion is detected by the PIR sensor and keep the lights on as long as motion is still detected. When motion is no longer detected, the device will start the countdown (Time Delay) and when time expires, the device will automatically turn the lights OFF.

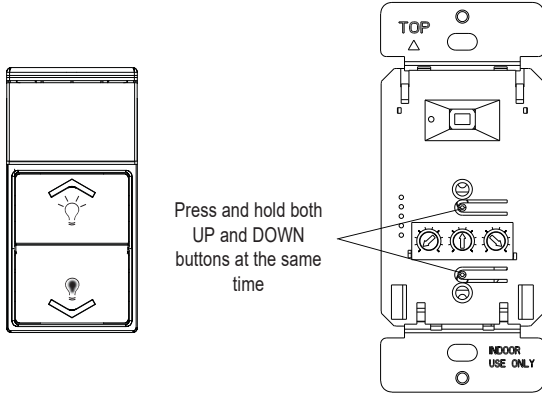
#### Vacancy (VAC) Mode : Manual ON/ Auto OFF

The lights will not turn on automatically when motion is detected by the PIR sensor. The dimmer buttons must be used to turn the lights on. Once lights are on, motion detected by the PIR sensor will keep the lights on. When motion is no longer detected, the device will start the countdown (Time Delay) and when time expires, the device will automatically turn the lights OFF.

- Within 30 seconds of the lights automatically turning off, if motion is detected then the lights will turn on.

## OPERATING MODES CONT.

### Remove the face cover to switch between Occupancy mode and Vacancy mode



- While in **Occupancy** mode, the LED indicator will flash BLUE when motion is detected.
  - Press and hold both UP and DOWN buttons again for 3 seconds.
  - The White LED above the buttons will flash **TWO TIMES**, indicating the successful switch from occupancy mode to vacancy mode.
- While in **Vacancy** mode, the LED indicator will flash WHITE when motion is detected.
  - Press and hold both UP and DOWN buttons again for 3 seconds.
  - The WHITE LED above the buttons will flash **FOUR TIMES**, indicating the successful switch from vacancy mode to occupancy mode.

### Manual Control: Dimming and ON/OFF

- Turn **ON** the lights: Tap the UP button. The lights will turn ON to the last used brightness level.
- Turn **OFF** the lights: Tap the DOWN button. The lights will turn OFF completely and save the brightness level.
- Turn the brightness level UP (**brighten**): Hold down the UP button. The brightness level will gradually increase until button is released.
- Turn the brightness level DOWN (**dim**): Hold down the DOWN button. The brightness level will gradually decrease until button is released.

## SENSOR SWITCH LED INDICATORS

In Vacancy mode, the switch's LED indicators will act as guide light.

## TROUBLESHOOTING

**NOTE: There is a 3 minutes warm-up time at initial power-up. The load may turn on/off several times during the warm-up.**

### The Load does not turn On. LED does not flash regardless of motion:

1. Push Manual On/Off Button, if the load turns On; verify that the Range dial is on high.
2. Check the wiring connections.
3. Switch may be in VACancy mode.

### The Load does not turn On when LED indicator flashes and motion is detected:

1. Push Manual On/Off Button, if the load turns On; verify that the Range dial is on high.
2. Check the wiring connections. Be sure the LOAD wire is connected.
3. Check the +/- low voltage wires for polarity to the LED's driver
4. Switch may be in VACancy mode.
5. The light level might not be properly set. Follow the **Ambient Light Level**

**Adjustment** instructions on previous page to program.

### The Load does not turn Off:

1. Motion may be detected. The time delay constantly restarts its countdown after the last motion detected. To verify proper operation, turn the Time Delay Knob to 15s (Test Mode) and make sure there is no motion (no LED flashing). Tape may be used to cover the fresnel lens while testing.
2. Check for significant heat source emitting within six feet (two meters) such as high wattage light bulb, portable heaters or HAVC vents.
3. Check the wiring. Make sure the HOT and LOAD wires aren't reversed.

### The Load turns on when its not desired:

1. Motion may be detected. The time delay constantly restarts its countdown after the last motion detected. To verify proper operation, turn the Time Delay Knob to 15s (Test Mode) and make sure there is no motion (no LED flashing). Tape may be used to cover the fresnel lens while testing.
2. Check for significant heat source emitting within six feet (two meters) such as high wattage light bulb, portable heaters or HAVC vents.
3. If Manual operation of push-button is desired, select VAC mode on the Mode Switch.
4. If the sensor is installed in a small room, turn the Range dial lower to avoid false or unwanted detection from open window or door.

## WARRANTY INFORMATION

This device is warranted to be free of material and workmanship defects for 5 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.

