



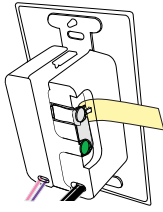
### WIRING

#### CONVERSION FROM GROUND ONLY (NO NEUTRAL) TO NEUTRAL WIRING

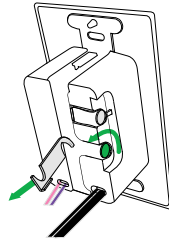
This product is pre-configured for wiring without a neutral; however, if connection to neutral is required by code, the unit easily converts in seconds.



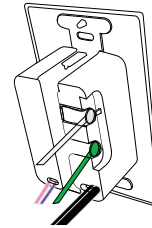
Step 1:  
Remove Yellow Label



Step 2:  
Loosen Screws and Remove Metal Link



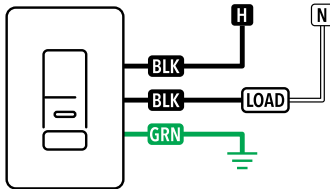
Step 3:  
Connect Neutral to Silver Screw and Ground to Green Screw



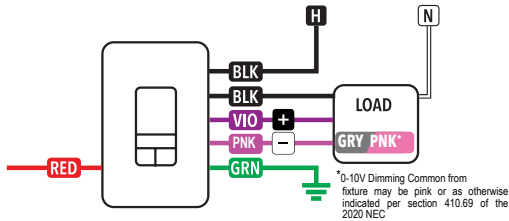
#### WARRANTY

5-year limited warranty. Complete warranty terms located at [www.acuitybrands.com/CustomerResources/Terms\\_and\\_conditions.aspx](http://www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx)

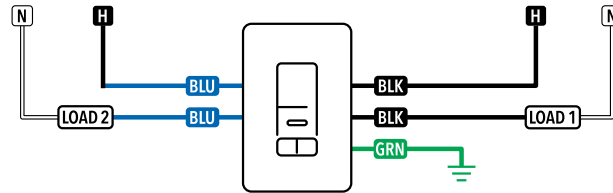
SINGLE RELAY, 120/277 VAC



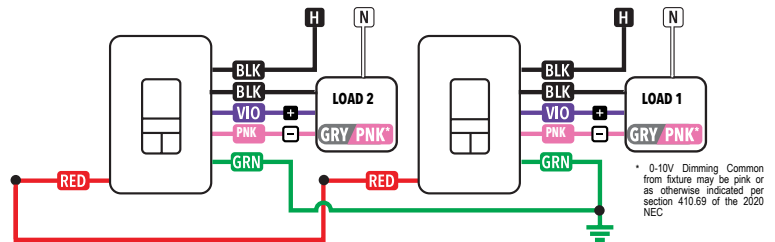
SINGLE RELAY, 120-277 VAC



DUAL RELAY, 120/277 VAC



SINGLE RELAY, MULTI-WAY CONFIGURATION, 120-277 VAC



### OPERATIONAL SETTINGS

#### WIRE COLOR KEY

##### 120-277 VAC WIRING

- BLK - Line Input
- BLK - Line Output
- BLU - Line Input (Pole2)
- BLU - Line Output (Pole2)
- VIO - Low Voltage Dim Output (0-10 VDC)
- PNK<sup>1</sup> - Low Voltage Common (0-10VDC)
- RED - Low Voltage Communication Wire

##### 347 VAC WIRING (-347 Option)

Orange (ORN) wires replace black (BLK) wires

Notes:  
1. Some Pink wires may come as Gray

- Black wires can be used interchangeably
- Violet and pink wires are not present on devices without D option
- Cap off violet and pink wires if dimming functionality is not being used
- Red wire is not present on devices without MWO option
- Cap off red wire if Multi-Way functionality is not being used
- For ground Multi-Way Configurations ground must come from same source
- For neutral conversion Multi-Way Configurations power must come from the same panel
- Per NEC requirements, the 0-10V violet and pink wires must be installed as Class One.
- SPODMRA MWO paired with WSXA MWO will act accordingly with WSXA occupancy settings
- The 0-10V control wires must not exceed 250 ft (76 m) in length and must be sized at no less than 20 AWG
- The Low Voltage Communication BUS must not exceed 250 ft (76 m) in length and must be sized at no less than 20 AWG

#### 2 = Occupancy Time Delay

The length of time an occupancy sensor will keep the lights on after it last detects occupancy

1- 30 sec	5 - 10.0 min*	9 - 20.0 min	13 - 30.0 min
2 - 2.5 min	6 - 12.5 min	10 - 22.5 min	
3 - 5.0 min	7 - 15.0 min	11 - 25.0 min	
4 - 7.5 min			

\*Default Setting

\*\* Default Setting for -EZ option

\*\*\*Default Setting for -SA option

#### 2 = Occupancy Time Delay (MWO & D Devices)

The length of time an occupancy sensor will keep the lights from dimming to low trim (S-Code 16) after it last detect occupancy

1 - Test Mode <sup>2</sup>	5 - 7.5 min	9 - 17.5 min	13 - 27.5 min
2 - 30 sec	6 - 10.0 min*	10 - 20.0 min	14 - 30.0 min
3 - 2.5 min	7 - 12.5 min	11 - 22.5 min	
4 - 5.0 min	8 - 15.0 min	12 - 25.0 min	

<sup>2</sup>Test mode sets Occupancy Time Delay to 30 seconds, and increases photocell transition rate in addition to disabling the microphone on units with Dual Technology.

#### 3 = On Mode

WSXA 2P models default: Pole 1 Auto On, Pole 2 Manual On.

##### Automatic On

Sensor automatically turns the lights on when it detects occupancy.

##### Manual On

Sensor requires pressing the button to turn the lights on.

##### Reduced Turn-On

Sensor is set to initially only detect large motions, effectively ignoring any reflected Passive Infrared (PIR) signals. Occupants will still be detected immediately when they enter the room as their PIR signal is large. Once lights are on, the sensor returns to maximum sensitivity.

1 - Automatic On*	2 - Manual On***	3 - Reduced Turn-On
-------------------	------------------	---------------------

#### 4 = Switch Modes

##### Switch Enable (Override Off)

Button will turn lights off and keep them off until pressed again. The lights will remain off until the button is pressed again, restoring the sensor to Automatic On mode.

##### Switch Disable

User is prevented from turning off the lights via the push-button.

##### Predictive Mode

Pressing the push-button switch overrides the lights off and temporarily disables the occupancy detection. After 10 seconds, the occupancy detection reactivates and monitors for an additional 30 seconds. If no occupancy is detected during this period, the sensor will revert to Automatic On operation. If occupancy is detected, the sensor will remain in Override Off mode and requires the switch to be pressed again in order to restore the sensor to Automatic On.

##### Predictive Mode with Expiration

Pressing the push-button switch overrides the lights off and temporarily disables the occupancy detection. After 10 seconds, the occupancy detection reactivates and monitors for an additional 30 seconds. If no occupancy is detected during this period, the sensor will revert to Automatic On operation.

1 - Switch Enable***	3 - Predictive Mode
2 - Switch Disable	4 - Predictive Mode with Expiration*

