SPODMRA D

INSTALLATION INSTRUCTIONS

SPECIFICATIONS

Electrical

Input Ratings	120-277VAC, 50/60 Hz 347VAC, 50/60 Hz (with 347 option)
Output Ratings	120VAC, 800W, 6.7A - Tungsten, Standard Ballast, Electronic Ballast 277VAC, 1200W, 4.3A - Tungsten, Standard Ballast, Electronic Ballast 347VAC, 1500W, 4.3A - Tungsten, Standard Ballast, Electronic Ballast 120/277/347VAC, 1/4 HP - Motor
Relay Type	Latching
Low Voltage Output Ratings	0-10VDC, Sinks <50mA
Standards/ Ratings	Energy Management Equipment, UL916 (E167435)

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WARRANTY

5-year limited warranty. Complete warranty terms located at www.acuitybrands.com/CustomerResources/Terms_and_conditions.aspx

Mechanical

Dimensions	2.74"H x 1.68"W x 1.63"D (70mm x 43mm x 41mm)
Mounting	Single-Gang Box
Connection Type	Low-Voltage Leads, Line-Voltage Leads

Environmental

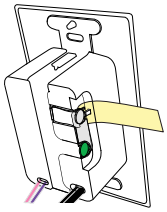
Warrantied Operating Temperature	32°F to 140°F (0°C to 60°C)
Relative Humidity	Up to 90%, Non-Condensing
Standards/ Ratings	RoHS

WIRING

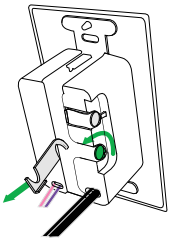
CONVERSION FROM GROUND ONLY (NO NEUTRAL) TO NEUTRAL WIRING

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.

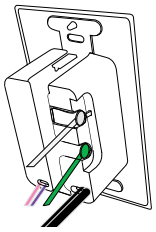
Step 1: Remove Yellow Label



Step 2: Loosen Screws and Remove Metal Link

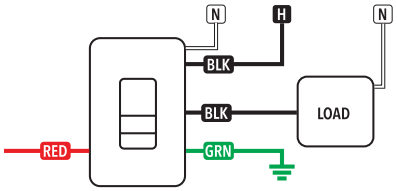


Step 3: Connect Neutral to Silver Screw and Ground to Green Screw



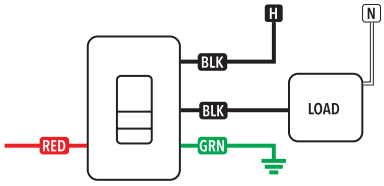
CONVERTIBLE NEUTRAL

SINGLE RELAY, 120-277 VAC

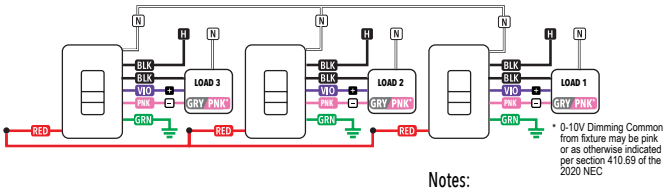


GROUND ONLY

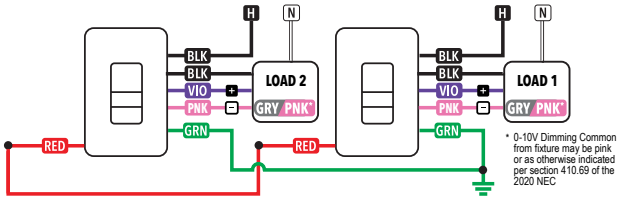
SINGLE RELAY, 120-277 VAC



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



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



WIRE COLOR KEY

120-277 VAC WIRING

BLK	-	Line Input
BLK	-	Line Output
VIO	-	Low Voltage Dim Output (0-10 VDC)
PNK[1]	-	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

Notes:

- Designed for constant hot power, not downstream of a line voltage switching relay.
- Black wires can be used interchangeably
- 0-10v wires are not present on devices without D option
- Cap off 0-10v 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 wires must be installed as Class One.
- The low voltage communication bus and 0-10v wires must not exceed 250ft (76m) and sized no less than 20AWG.
- 0-10v wires should only connect with fixture/driver dimming wires.
- Low voltage communication bus is class1. DO NOT wire line voltage to MWO bus, red wire.

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SPODMRA D

INSTALLATION INSTRUCTIONS

OPERATIONAL SETTINGS

(Press and hold on to initiate programing "LED flashes", then input desired settings.)

2 = Time Out Delay

Time after which lights turn off.

1 - **No timer *** (Always On)	5 - 60 min	9 - 720 min
2 - 10 min	6 - 90 min	
3 - 15 min	7 - 120 min	
4 - 30 min	8 - 180 min	

9 = Restore Defaults

Returns all functions to original settings.

1 - Maintain Current*

2 - Restore Defaults

15 = Dimming Range Max (High Trim) **

The maximum output level of the sensor.

1 - 0 VDC	5 - 3 VDC	9 - 7 VDC	13 - 10 VDC*
2 - 1 VDC	6 - 4 VDC	10 - 8 VDC	
3 - 1.5 VDC	7 - 5 VDC	11 - 9 VDC	
4 - 2 VDC	8 - 6 VDC	12 - 9.1 VDC**	

**Default for EZ option

16 = Dimming Range Min (Low Trim) **

The minimum output level of the sensor.

1 - 0 VDC	5 - 3 VDC	8 - 6 VDC	11 - 9 VDC
2 - 1 VDC*	6 - 4 VDC	9 - 7 VDC	12 - 9.1 VDC
3 - 1.5 VDC**	7 - 5 VDC	10 - 8 VDC	13 - 10 VDC
4 - 2 VDC			

**Default for EZ option

19 = Fade On Rate **

Time required for light to reach preset level.

1 - 0.75 sec*	3 - 5 sec
2 - 2.5 sec	4 - 15 sec

20 = Fade Off Rate **

Time required for light to turn Off.

1 - 0.75 sec	3 - 5 sec
2 - 2.5 sec*	4 - 15 sec

21 = Start Level **

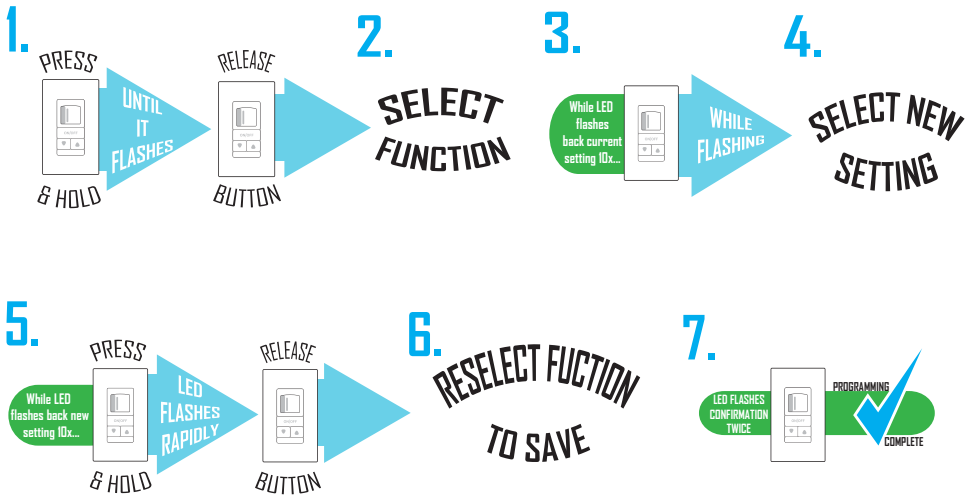
Level of light output when occupancy is initially detected.

Not applicable in Automatic Dimming Control (ADH) mode.

1 - 10%	4 - 40%	7 - 70%	10 - 100%*
2 - 20%	5 - 50%	8 - 80%	
3 - 30%	6 - 60%	9 - 90%	

* DEFAULT SETTING

** Not Available For Non Dimming Variant



OPERATIONAL SETTING INSTRUCTIONS

PLEASE READ ALL 7 STEPS BEFORE PROGRAMMING

1. Enter programming mode by pressing & holding button until LED flashes rapidly. Release button.
2. Enter a specific programming function by pressing button the number of times as the desired function number from the tables on the following pages (e.g., press twice for function 2, *Occupancy Time Delay*).
3. The selected function's current setting will then be read out in a sequence of LED flashes (e.g., five flashes for 10 min). To change setting, proceed to step 4 before sequence repeats 10 times.
4. While the sensor is flashing back current setting, interrupt it by pressing button the number of times for the new desired setting as indicated in the particular function's detailed table (e.g., press seven times for 15 min). Sensor will begin to flash new setting as confirmation.
5. Next, while the sensor is flashing back new setting, interrupt it by pressing and holding button until LED flashes rapidly. Release button.
6. As final confirmation and activation of the new setting, re-enter the programming function number that was changed (e.g., press twice for function 2, *Occupancy Time Delay*).
7. LED will flash twice indicating acceptance of new setting. If two flashes are not seen, repeat 7 step process.

Note: To exit programming mode without saving or to change to a different function, wait for blink back sequence to repeat 10 times then return to step 1.

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