OVERVIEW

The push-button Dimming Switchpod Series of wall stations are a cost effective solution for commercial and residential lighting applications. Additionally, all sPODMRD sensors have a patent pending wiring method that enables them to function either with or without a neutral connection. sPODMRD units come pre-configured for wiring without a neutral, however, if a connection to neutral is required by code, contractors can convert the unit in seconds.

AcuityControls™

Sensor Switch™

SPODMRD Dimming Switchpod

SPECIFICATIONS

Size:	2.74" H x 1.68" W x 1.63" D (6.96 cm x 4.27 cm x 4.14 cm) (not including ground strap)
Weight:	5 oz
Mounting:	Single Gang Switch Box
Mounting Height:	30-48 in (76.2-121.9 cm)
Maximum Load/Pole:	(Relay) 800 W @ 120VAC, 1200 W @ 277VAC, 1500 W @ 347VAC
Minimum Load:	None
Motor Load:	1/4 HP
Max Sink Current:	50 mA
0-10V Dim Min Output:	<0.3 V
Frequency:	50/60 Hz (timers are 1.2x for 50Hz)
Temperature Ratings:	0°C-60°C

ROHS Compliant

Warranty

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

Note: Actual performance may differ as a result of end-user environment and application. Specifications subject to change without notice.

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ORDERING INFORMATION

sPODMRD					Example: sPODMRD 347 WH
Series	**eldoLED**	**Voltage**	**Color[4]**	**Max Dim Level[6]**	**Min Dim Level[6]**
sPODMRD[2] Dimming Switchpod	[blank] None EZ[1] eldoLED Driver Compatibility	[blank] 120/277 VAC 347[3] 347 VAC	WH White AL Almond IV Ivory BK Black GY Gray RD[5] Red	[blank] 10 VDC 8H 8 VDC 9H 9 VDC 7H 7 VDC	[blank] 0 VDC 4V 4 VDC 1V 1 VDC 5V 5 VDC 2V 2 VDC 6V 6 VDC 3V 3 VDC

Note:
1. Max Dim Level default set to 9.1VDC. Min Dim Level default set to 1.5VDC.
2. 3-way switching not supported.
3. Wall plated included for white or ivory only for 347 VAC units.
4. Matching wall plate provided for 120/277 VAC units.
5. Special Order.
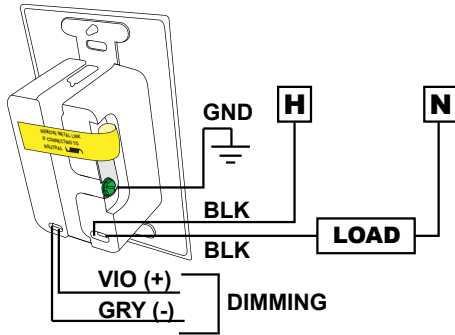6. For setting other than default, minimum order quantity of 30 units.

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
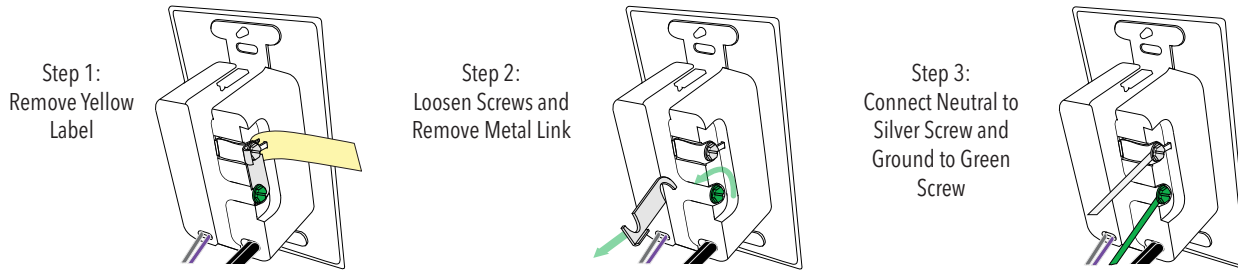
WIRING TO GROUND (NO NEUTRAL)

GND
H
N
BLK
BLK — LOAD
VIO (+)
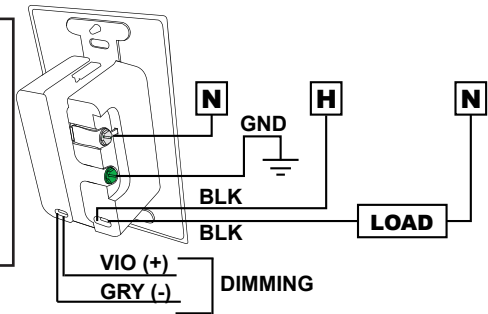GRY (-) — DIMMING

WIRE COLOR KEY

120/277 VAC WIRING
BLACK* - Line Input } *BLACK wires
BLACK* - Load Output } can be reversed
VIOLET - Low Voltage Dim Output (0-10 VDC)
GRAY - Low Voltage Common

347 VAC WIRING (-347 Option)
Red wires replace Black wires.

WIRING TO NEUTRAL

N
GND
H
N
BLK
BLK — LOAD
VIO (+)
GRY (-) — DIMMING

NOTES:
- Per NEC requirements, the 0-10V violet and gray wires must be installed as Class One.
- The 0-10V control wires must not exceed 250 ft (76 m) in length and must be sized at no less than 20 AWG.

OPERATIONAL SETTINGS

2= Time Out
Time after which light will turn Off. One minute prior to expiration, LED on dimmer will begin blinking and the light level in the space will adjust to 3 VDC.

1 = Off*   5 = 60.0 min   9 = 720.0 min

2 = 10.0 min 6 = 90.0 min

3 = 15.0 min 7 = 120.0 min

4 = 30.0 min 8 = 180.0 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   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

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 switched on.

1 - 10%   5 - 50%   9 - 90%

2 - 20%   6 - 60%   10 - 100%*

3 - 30%   7 - 70%

4 - 40%   8 - 80%

* Default Setting

PROGRAMMING INSTRUCTIONS

Operational settings can be changed via the push-button sequence outlined below (note the example used is for changing the Low Trim setting).

1.

PRESS & HOLD — UNTIL IT FLASHES — RELEASE BUTTON

2. SELECT FUNCTION

Fade Off Rate — 20x
Restore Defaults — 9x
Fade On Rate — 19x
LED Operation — 11x
Dimming Range Min (Low Trim) — 16x
Dimming Range Max (High Trim) — 15x

PRESS BUTTON

e.g., press 16x for Low Trim

3.

While LED flashes back current setting 10x... — WHILE FLASHING

e.g., 2 flashes is default for 1 VDC Low Trim

4. SELECT NEW SETTING

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

PRESS BUTTON

e.g., press 5x to change to 3 VDC

5.

While LED flashes back new setting 10x... — PRESS & HOLD — LED FLASHES RAPIDLY — RELEASE BUTTON

e.g., 5 flashes confirms new 3 VDC Low Trim setting

6. RESELECT FUNCTION TO SAVE

Fade Off Rate — 20x
Restore Defaults — 9x
Fade On Rate — 19x
LED Operation — 11x
Dimming Range Min (Low Trim) — 16x
Dimming Range Max (High Trim) — 15x

PRESS BUTTON

e.g., press 16x (for Low Trim) to save and exit

7.

LED FLASHES CONFIRMATION TWICE — PROGRAMMING COMPLETE