

3 MOUNT THE WRC

- To a junction box to an easily accessible location.
- In an interior wall or above the ceiling.
- For optimal signal strength, leave at least a 3 in. clearance from any concrete barrier.

1

On the list of device serial numbers, document the location for the WRC.

EXAMPLE

2

Turn power **OFF** at the service panel.

- Use only copper wiring.
- There are no user-serviceable parts inside the WRC. Unauthorized dismantling will void the warranty.
- For warranty and other legal information, go to WWW.AUTANI.COM/legal.

5 INSTALL THE WIRED MOTION SENSOR AND/OR CONTACT SWITCH.

- Follow the Quick Installation Sheet for an Autani MINI Wired Motion Sensor, and plug it into P4.
- For a 3rd party motion sensor:
 - Follow the installation documentation that came with the device.
 - Wire the device to the WRC Accessory Cable.
 - Plug the cable into P4.
- For a contact switch or photosensor:
 - Follow the installation documentation that came with the device.
 - Wire the device to the correct WRC port as illustrated below.

P4	P3	P2	P1
1 6	3 2 1	3 2 1	3 2 1
Motion Sensor ¹	Wall Switch or Contact Sensor	Photo Sensor ²	Power Pack

¹ If necessary, remove the Keep-On Plug from P4.
² 24VDC, 100 mA max.

4 WIRING THE WRC

Wiring Table: Typical Installation

Connect	Wire Color	Description	Load/Dimmer Switch Wire Color	Wiring
WRC	Black	AC Line (Hot)	Black	 High Voltage Class 2 Low Voltage*
	Red Relay Leg 1		White	
	White	AC Neutral	White	
	Red Relay Leg 2	Circuit #1 Load Neutral	Black	
	Blue	Wall Switch Common	Black	
	Yellow	Wall Switch 1	White	
	Orange	Wall Switch 2	White	
	Brown	Dimmer Switch Input	Violet	
	Violet	Dimming Output 1	Violet	
	White-Violet	Dimming Output 2	Violet	
	Pink	Dimming Output Common	Pink	

SEE NEXT PAGES FOR WIRING DIAGRAMS.

- WRC to Dimmer Switch pg2
- WRC to 3rd party Motion Sensor pg2
- WRC to Autani Mini Motion Sensor pg2
- WRC to Photocell WRC pg2
- WRC to Dimmable Ballast/LED pg3
- WRC to Two Wall Switches pg3
- WRC to Universal Power Pack pg3
- WRC to Dimmer Fixture (Dimmer Switch + Autani Mini Motion Sensor) pg4
- WRC to Dimmer Fixture (Dimmer Switch + Autani Mini Motion Sensor + Photocell) pg5
- WRC to Switched Two-Circuit (Wall Switches + Universal Power Pack) pg6
- WRC to 3-Way Switched Circuit pg7
- WRC no wired Wall Switch or EnOcean Wireless Wall Switch pg8
- WRC to LCD-624D Photocontrol Sensor pg8
- WRC to multiple Autani Mini Motion Sensors pg9
- WRC to multiple 3rd party Motion Sensors pg9
- WRC to 3-way Switch & Dimmer Stitch pg9

Accessories

Connect	Connector	To	Wire Color	
WRC (P2) Photo Sensor Input	P2-1	12-24v Photo Sensor – GND/Com	Black	Class 2 Low Voltage*
	P2-2	12-24v Photo Sensor – 24V	Red	
	P2-3	12-24v Photo Sensor – Signal	Orange / Yellow (typ.)	
WRC (P3) Low Voltage Wall Switch Input	P3-1	Wall Switch Common	Black	
	P3-2	Wall Switch 1	White	
	P3-3	Wall Switch 2	White	
WRC (P4)** Motion Sensor Input	P4-1	Not used	See Wiring Diagrams	
	P4-2	Autani MINI Sensor – 3V		
	P4-3	Autani MINI Sensor – 3V Signal		
	P4-4	Autani MINI & 3rd Party Sensor - GND		
	P4-5	3rd Party Sensor – 24V Signal		
	P4-6	3rd Party Sensor – 24v		

* ⚡ AC line power must be removed from the wall switch. Wall switch connections to the WRC are Class 2 Low Voltage.
** Requires WRC Accessory cable.

Optional 2nd Circuit:

Connect	Wire Color	Description	Load/Dimmer Switch Wire Color	Wiring
WRC (P1) Universal Power Pack Input		P1-1	Universal Power Pack – GND/Com	Black
		P1-2	Universal Power Pack – 24V	Red
		P1-3	Universal Power Pack – Control	Blue (typ.)
Universal Power Pack Output	Black	AC Line	AC Neutral	Black
	Red Relay Leg 1			White
	White	Circuit #2 Load Neutral		White
	Red Relay Leg 2	Circuit #2 Load Switched-Line	Black	 High Voltage

CONTINUED.....

5

TEST LIGHT SWITCH(S) AND SENSOR(S) IF INSTALLED.

1. Wait 30 seconds after power is restored.
2. Flip the light switches to ensure the lights turn On and Off correctly.
3. Leave light on from switch.
4. If a motion sensor is installed:
 - A. Push and hold SW2 until the light turns off (about two seconds).

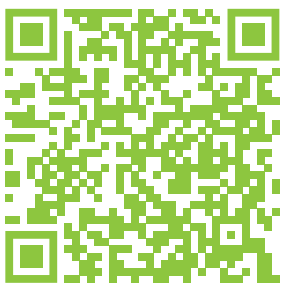


- B. Release SW2 and remain stationary for 10 seconds.
- C. Confirm the motion sensor triggers the lights to turn on and has adequate range/coverage.

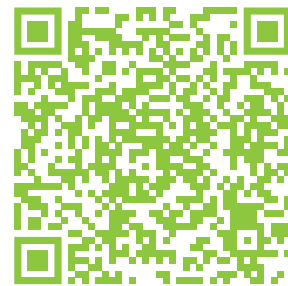
SERIAL NUMBER INFORMATION AND TRACKING

The serial number or ID of a device is used to track device installation locations and details for the commissioning process. The identification information for each device should be tracked in a meaningful way, many devices include duplicate 'stickers' with this information. Autani provides an iOS app to assist with the process.

For help getting starting with the iOS Commissioning App please see Autani's User Guide for the iOS Commissioning App.



iOS app

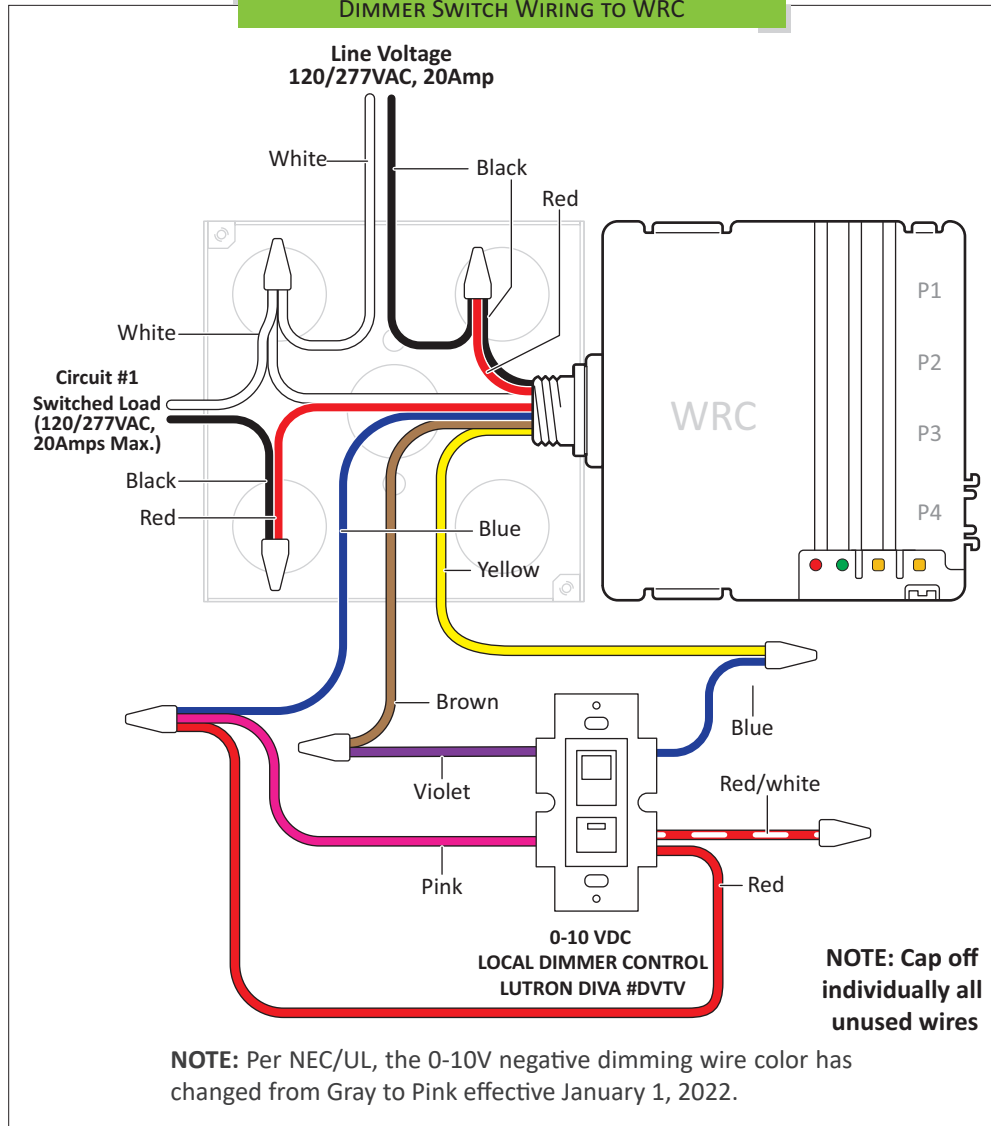


User Guide

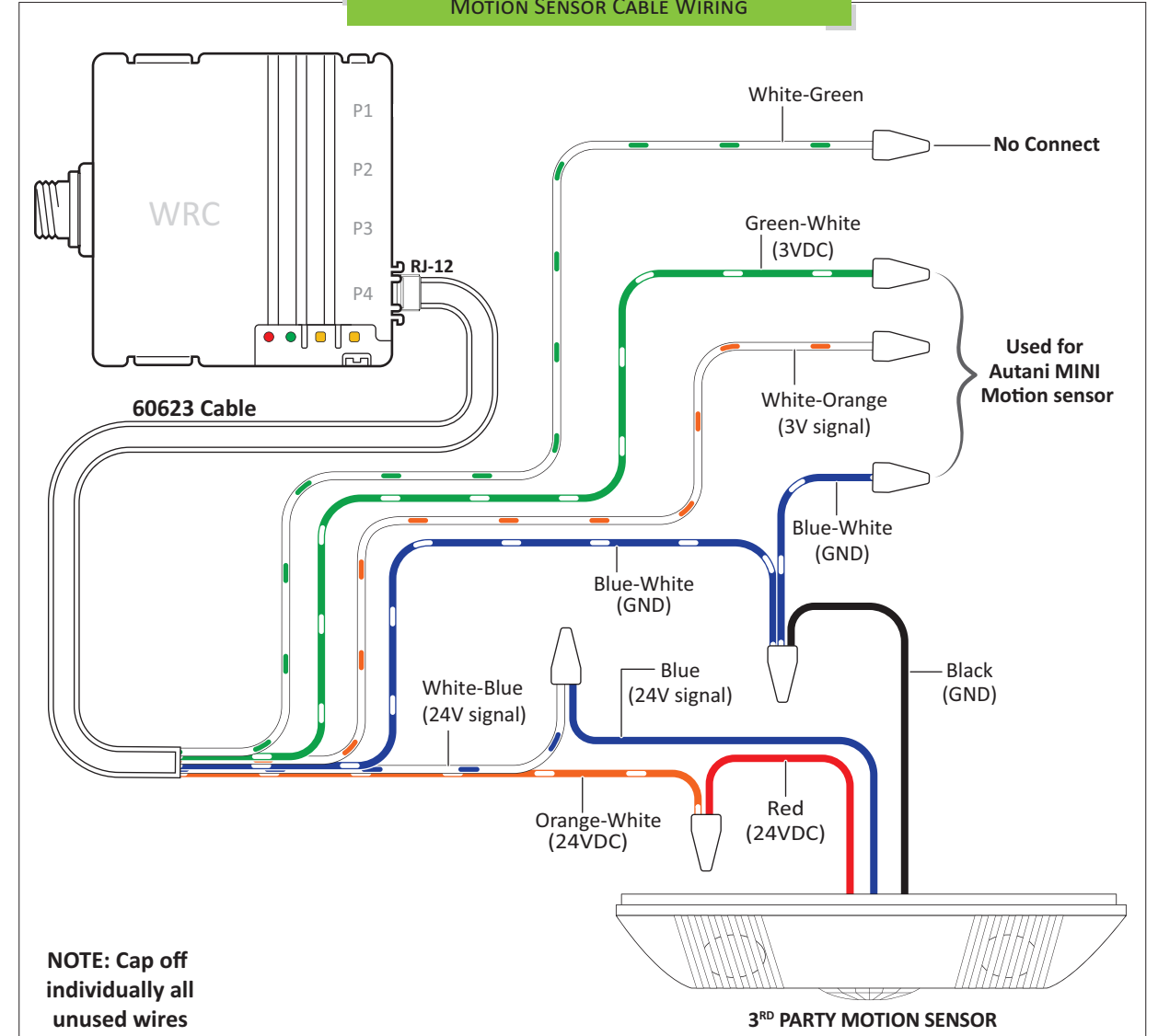
Once commissioning details are collected, either through the iOS Commissioning App, or by tracking identifiers on drawings/spreadsheets. Please provide this information to support@autani.com to begin the commissioning process.

INDIVIDUAL CONNECTIONS TO WRC

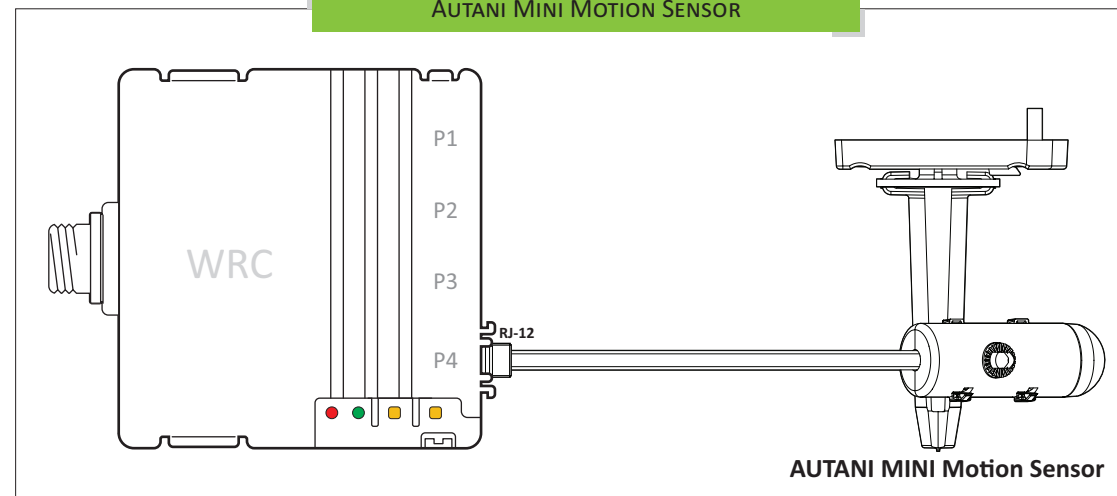
DIMMER SWITCH WIRING TO WRC



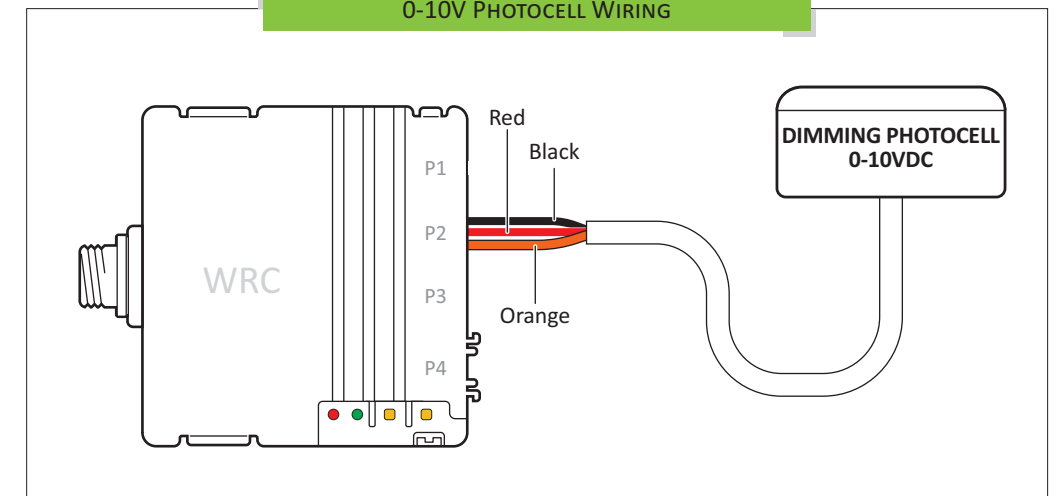
MOTION SENSOR CABLE WIRING



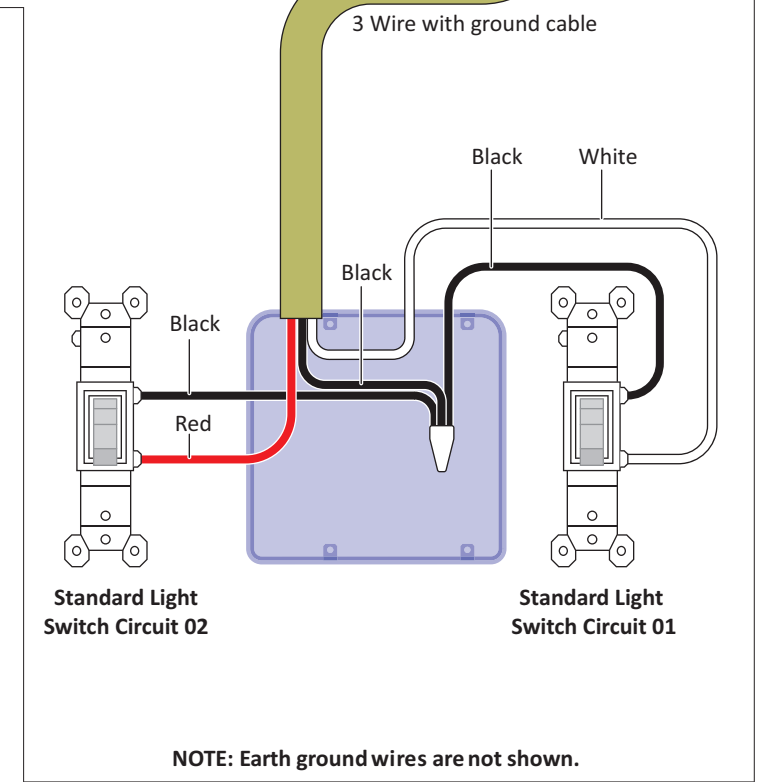
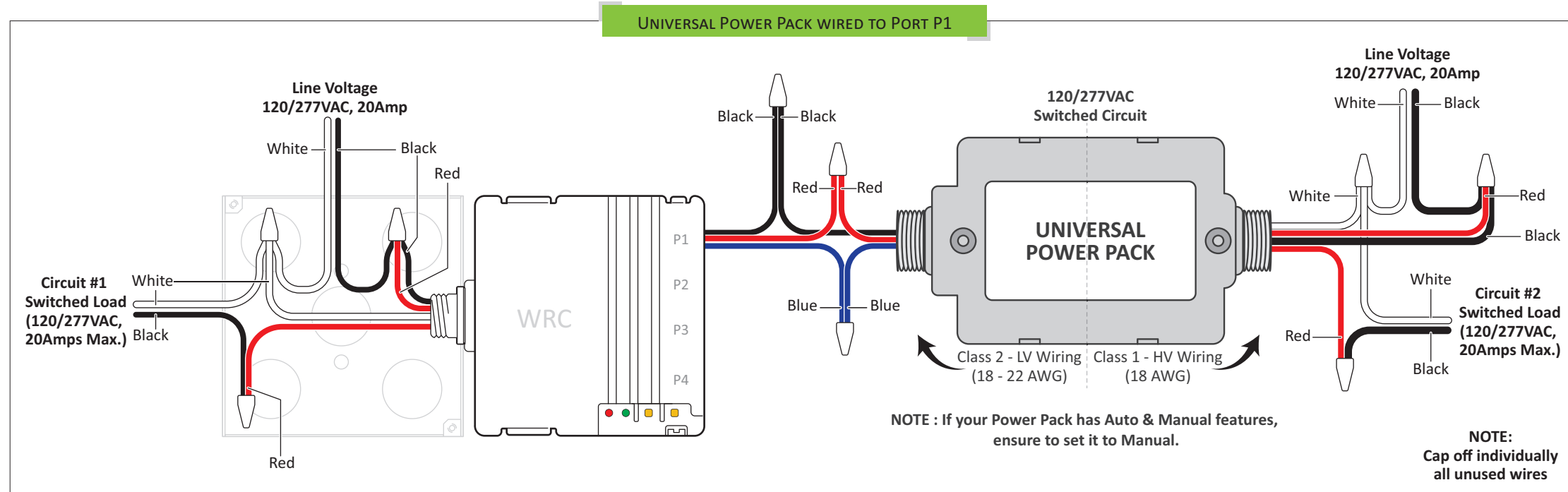
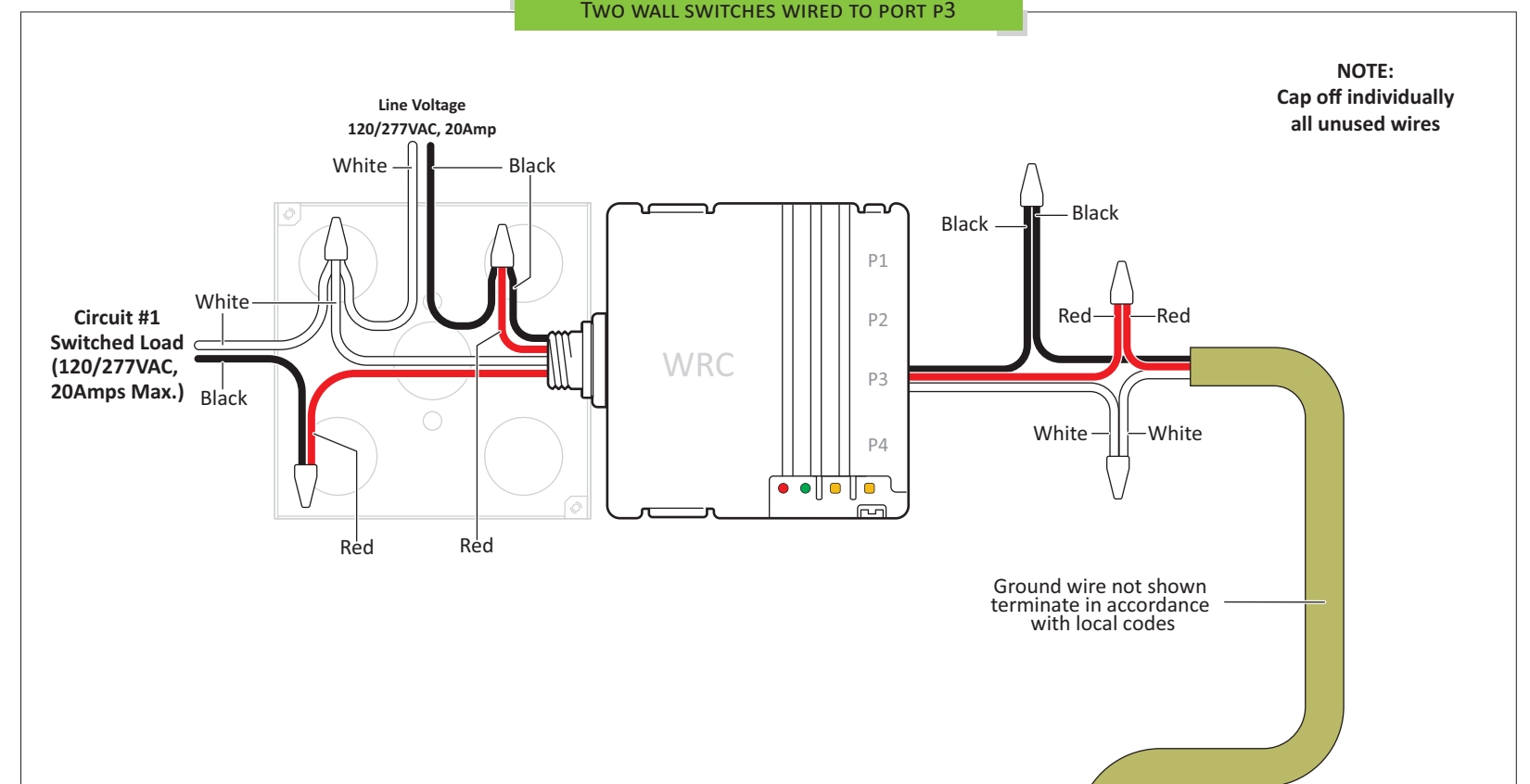
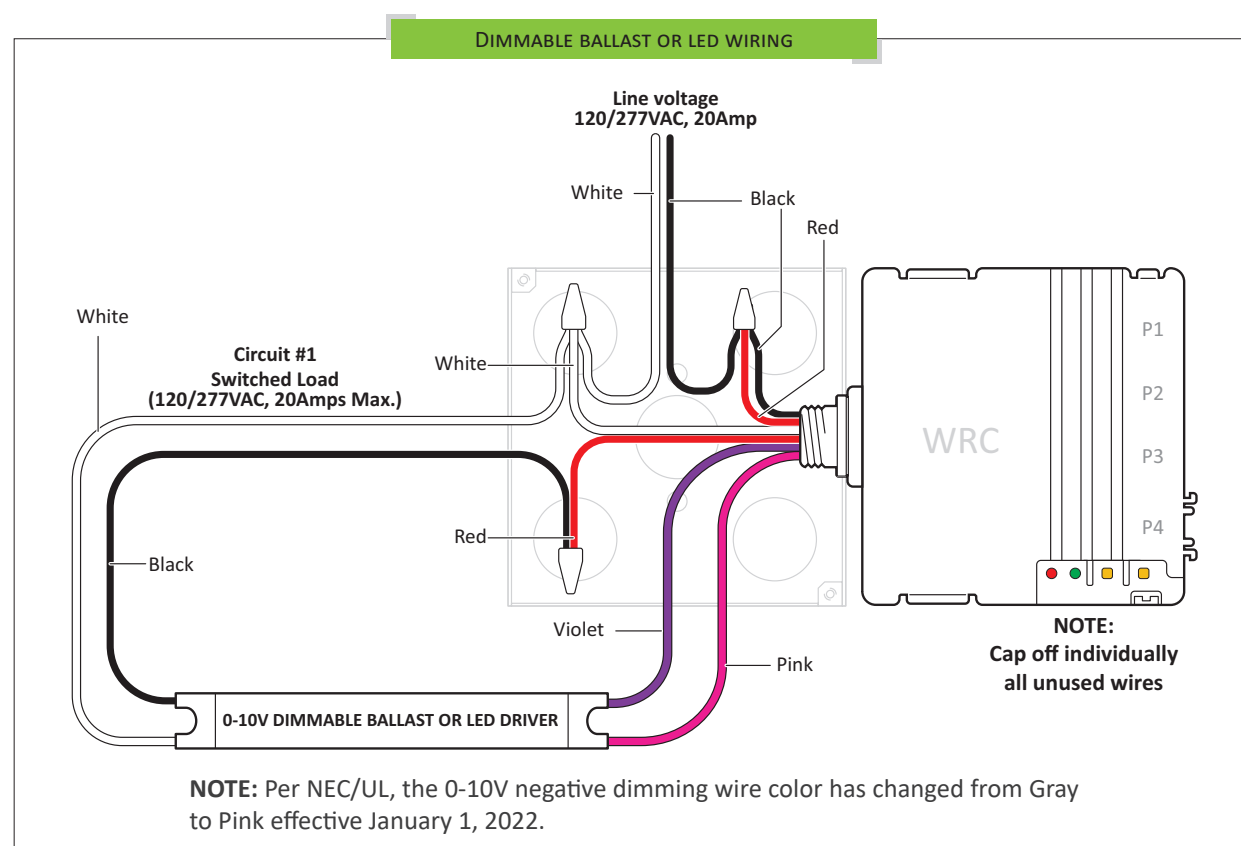
AUTANI MINI MOTION SENSOR



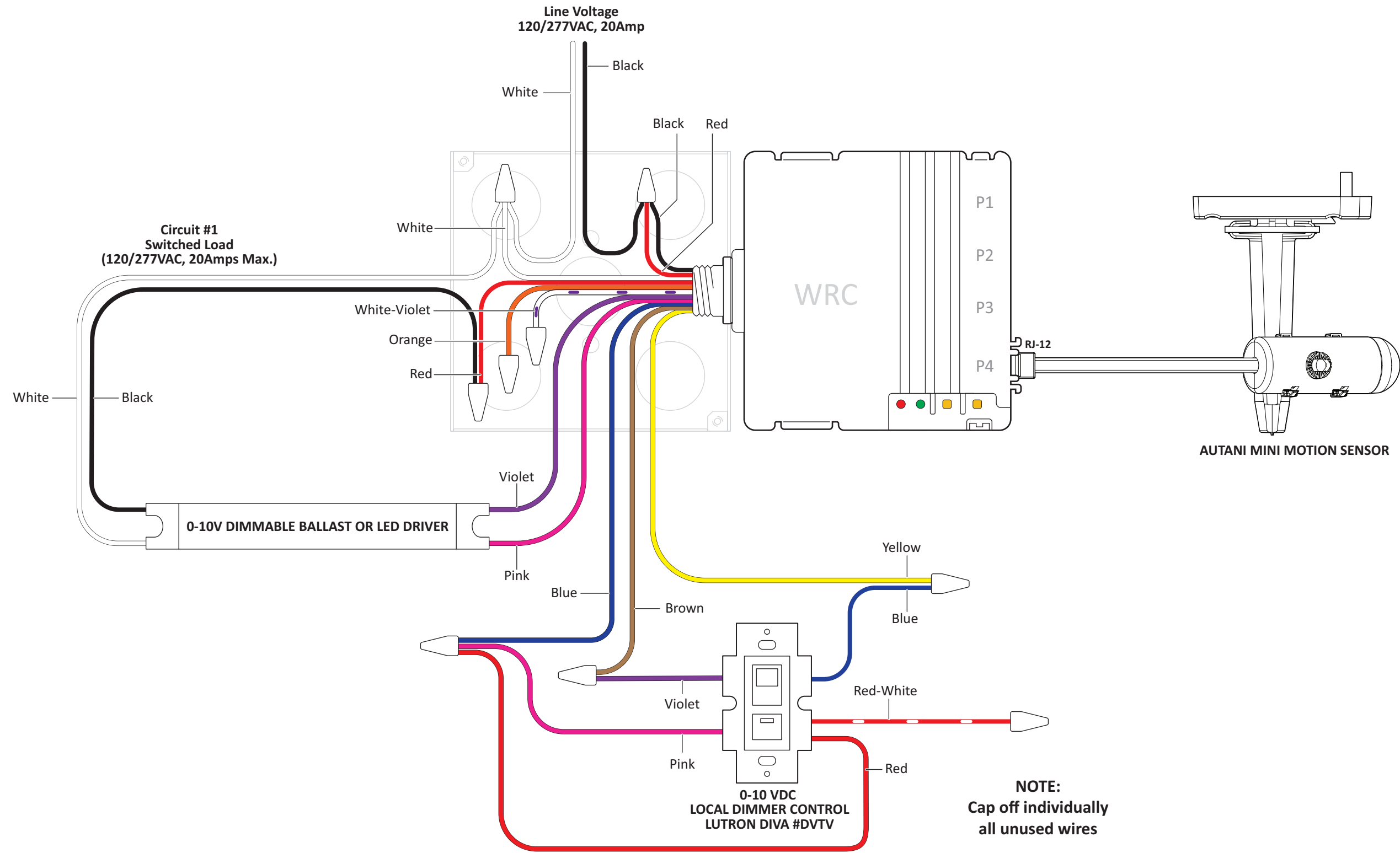
0-10V PHOTOCELL WIRING



INDIVIDUAL CONNECTIONS TO WRC



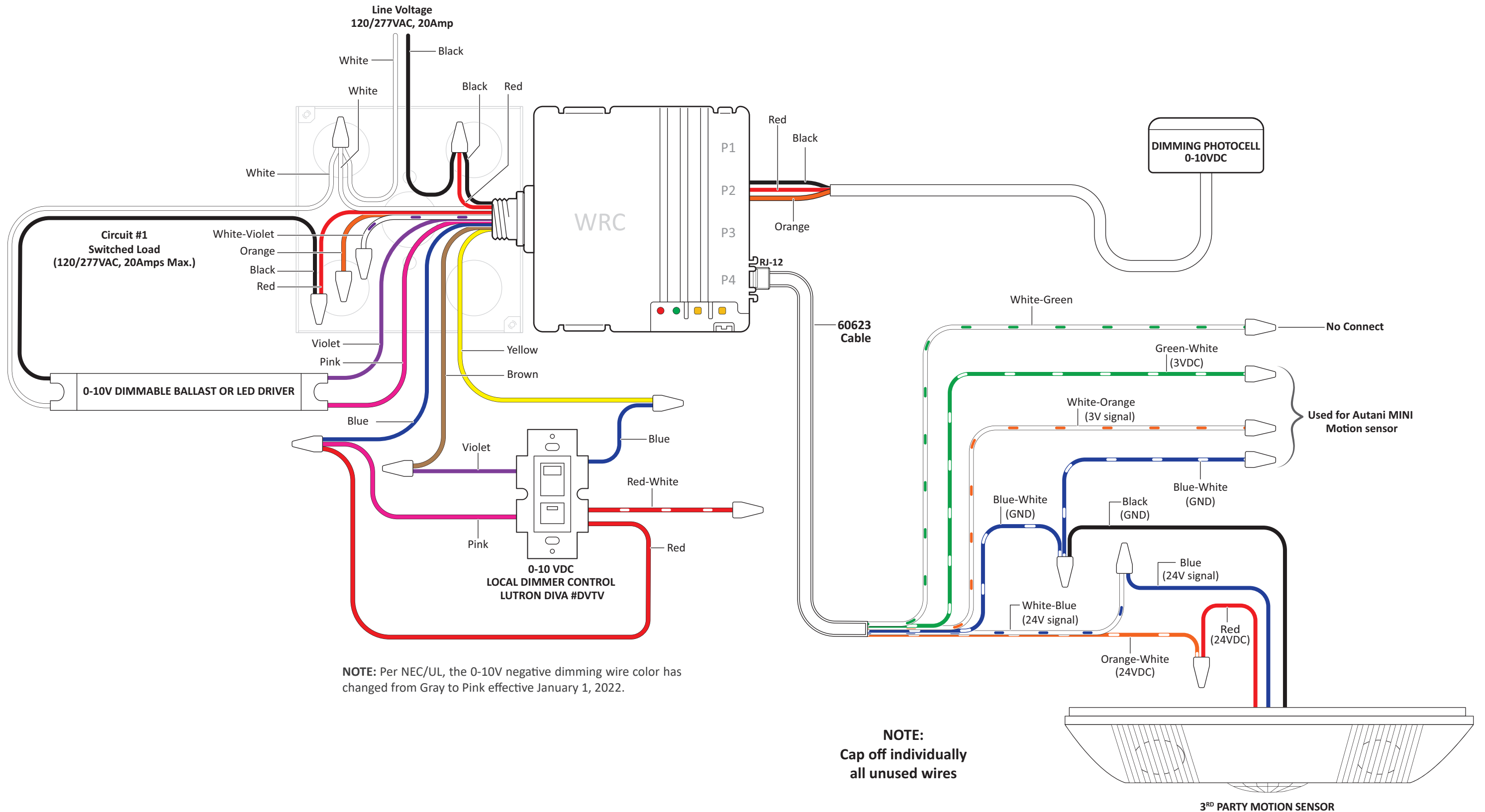
DIMMABLE FIXTURE CONNECTION- DIMMER SWITCH AND AUTANI MINI MOTION SENSOR WIRED TO PORT P4



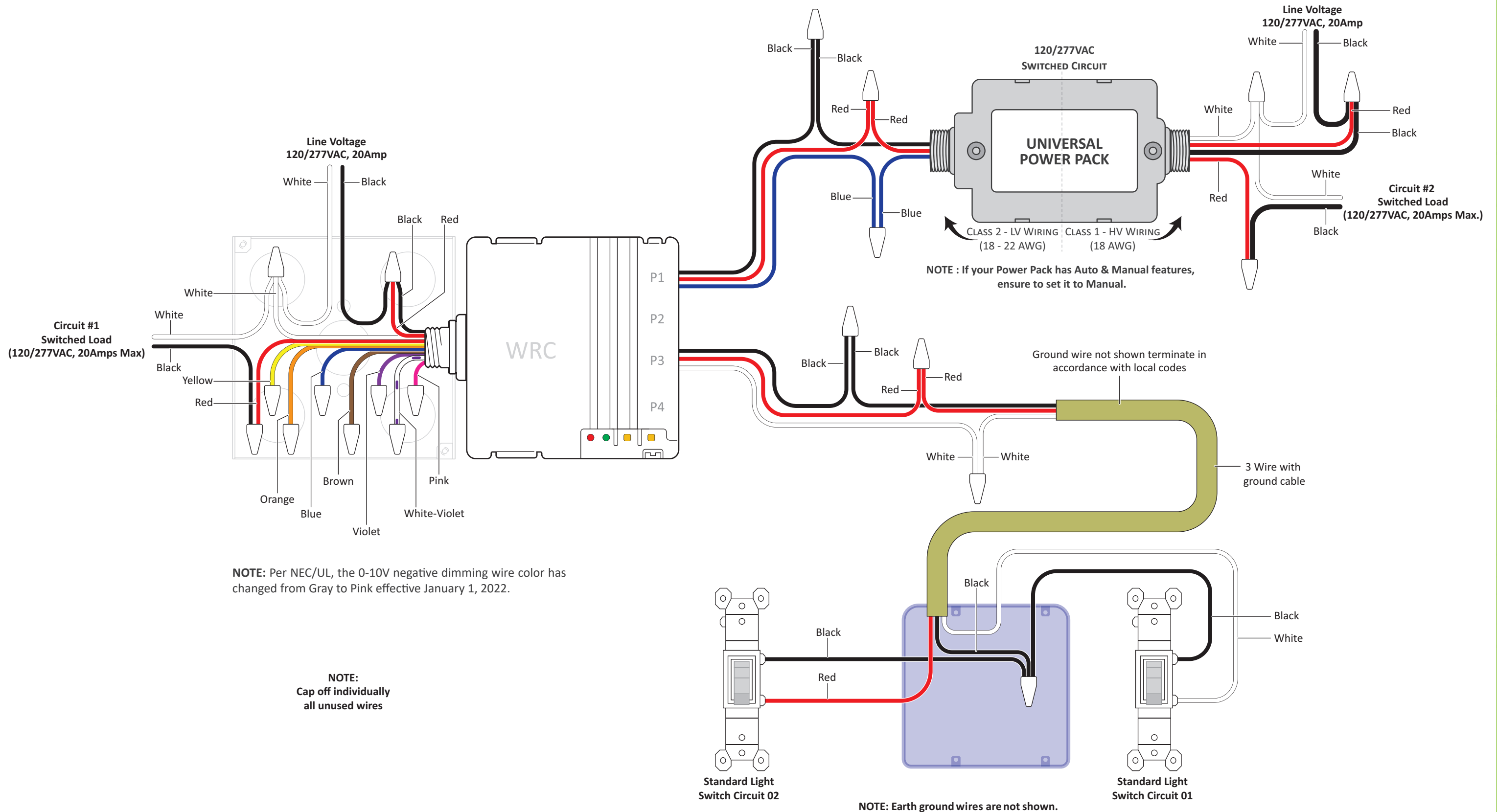
NOTE: Per NEC/UL, the 0-10V negative dimming wire color has changed from Gray to Pink effective January 1, 2022.

NOTE:
Cap off individually
all unused wires

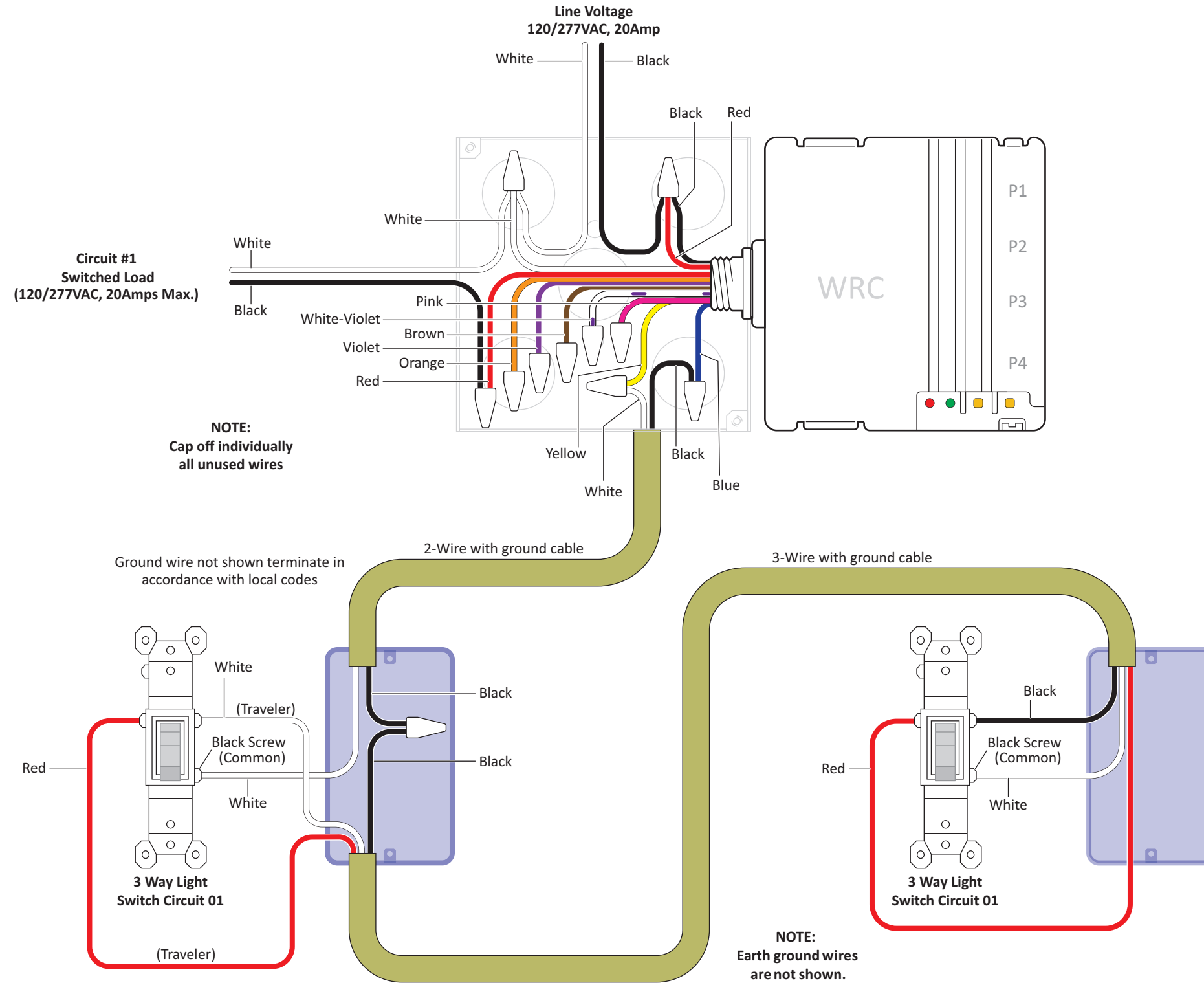
DIMMABLE FIXTURE CONNECTION- DIMMER SWITCH, PHOTOCELL WIRED TO PORT P2, AND 3RD PARTY MOTION SENSOR WIRED TO PORT P4



SWITCHED TWO-CIRCUIT CONNECTION- UNIVERSAL POWER PACK WIRED TO PORT P1 AND TWO WALL SWITCHES WIRED TO PORT P3

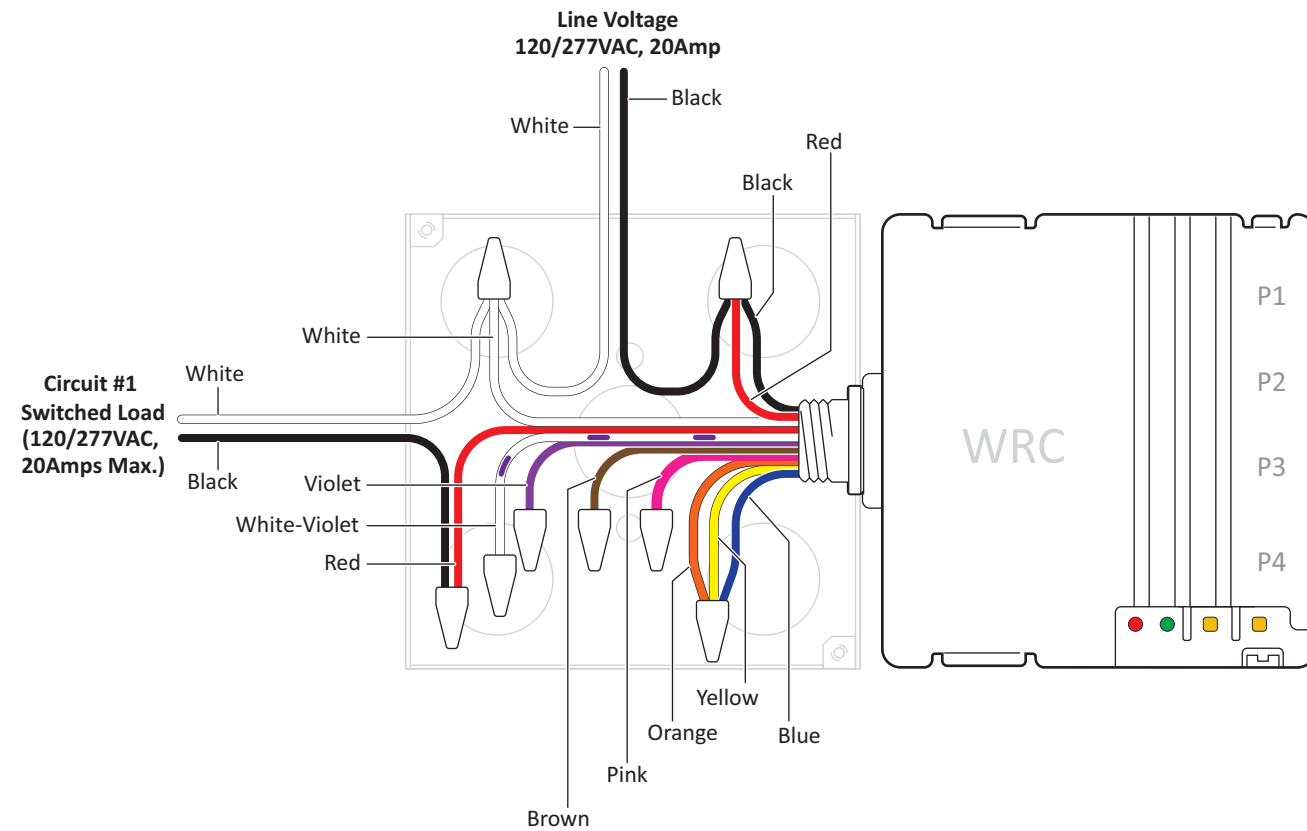


3-WAY SWITCHED CIRCUIT CONNECTION



NOTE: Per NEC/UL, the 0-10V negative dimming wire color has changed from Gray to Pink effective January 1, 2022.

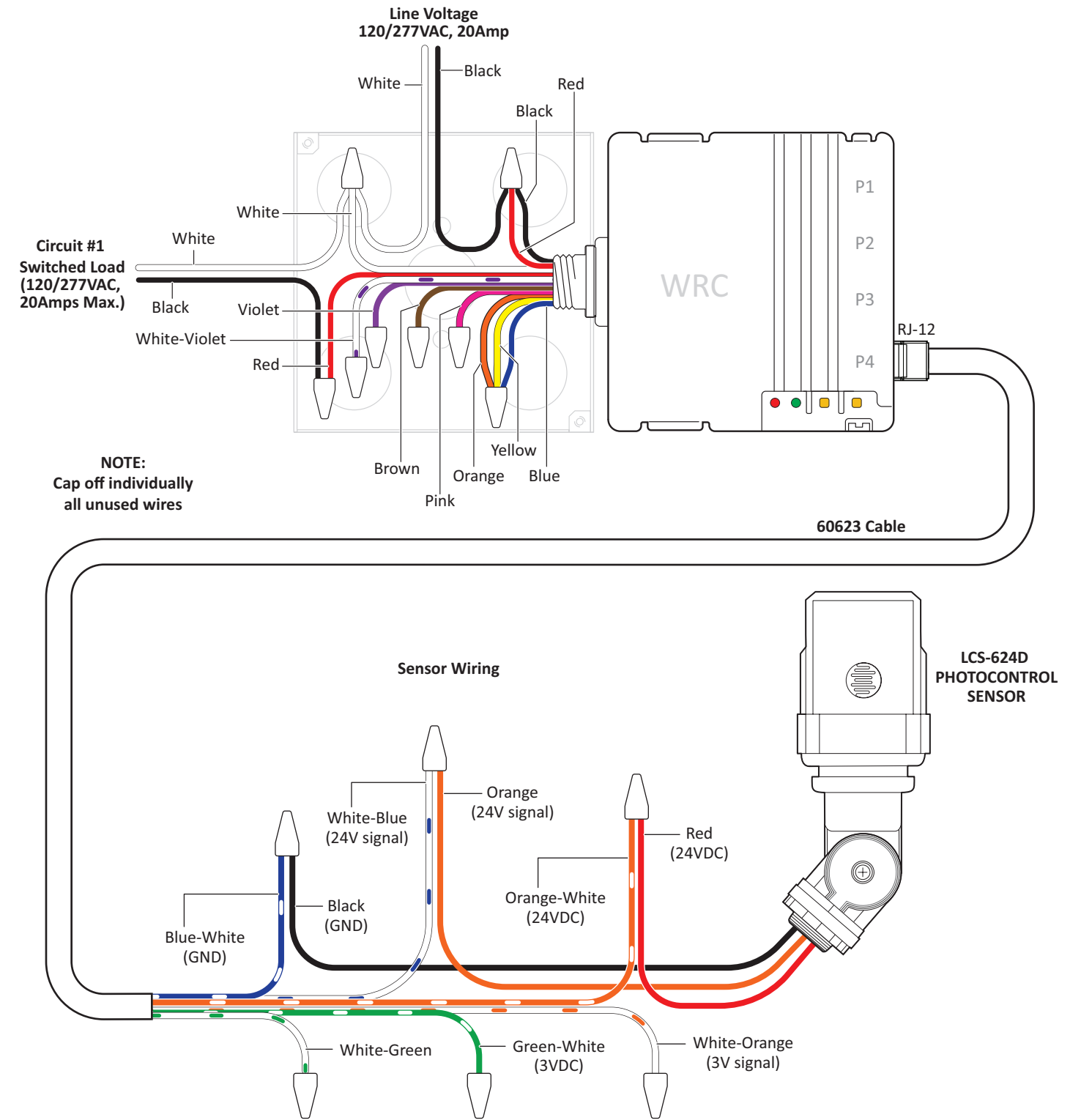
No WIRED WALL SWITCH/EN/OCEAN WIRELESS WALL SWITCH



NOTE: Per NEC/UL, the 0-10V negative dimming wire color has changed from Gray to Pink effective January 1, 2022.

NOTE: Cap off individually all unused wires

WRC WITH LCS-624D PHOTOCONTROL SENSOR

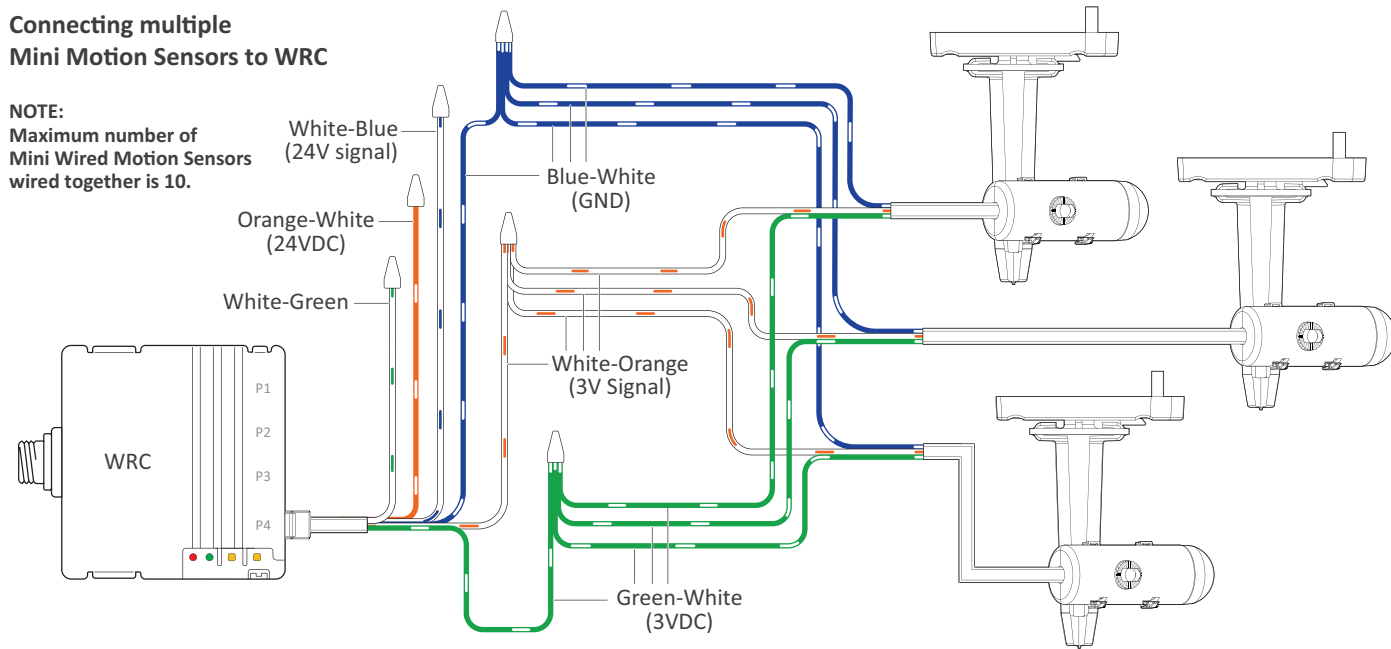


NOTE: Per NEC/UL, the 0-10V negative dimming wire color has changed from Gray to Pink effective January 1, 2022.

WRC TO MULTIPLE AUTANI MINI MOTION SENSOR

Connecting multiple
Mini Motion Sensors to WRC

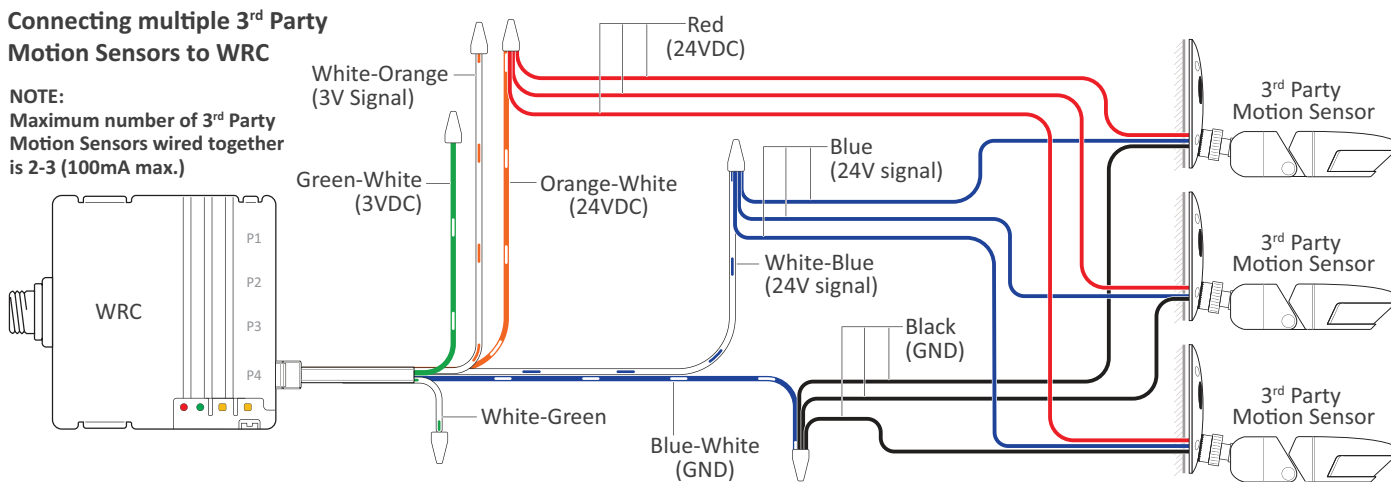
NOTE:
Maximum number of
Mini Wired Motion Sensors
wired together is 10.



WRC TO MULTIPLE 3RD PARTY MOTION SENSOR

Connecting multiple 3rd Party
Motion Sensors to WRC

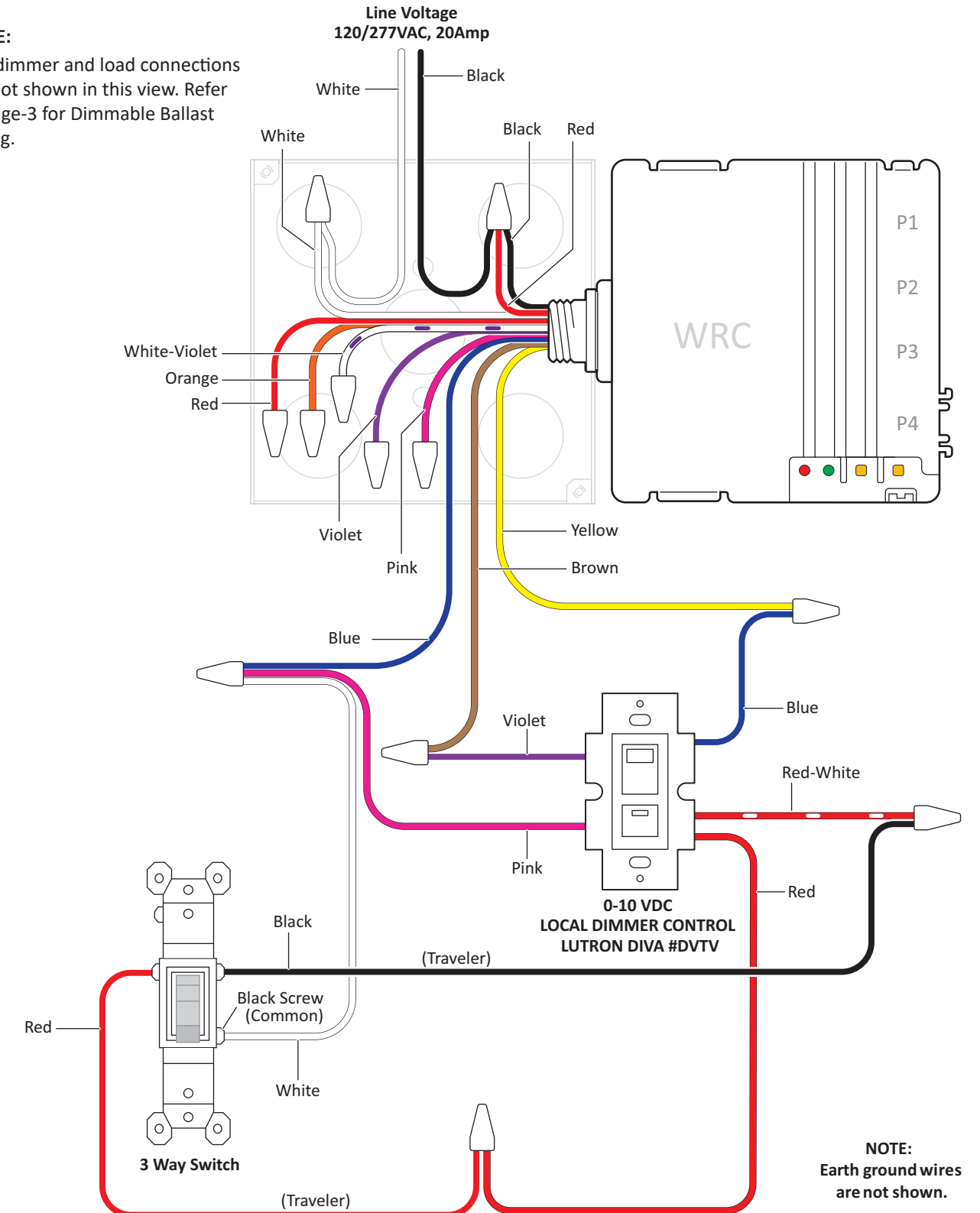
NOTE:
Maximum number of 3rd Party
Motion Sensors wired together
is 2-3 (100mA max.)



3-WAY SWITCH & DIMMER SWITCH TO WRC

NOTE:

The dimmer and load connections
are not shown in this view. Refer
to page-3 for Dimmable Ballast
wiring.



NOTE: Per NEC/UL, the 0-10V negative dimming wire color has changed from Gray to Pink effective January 1, 2022.