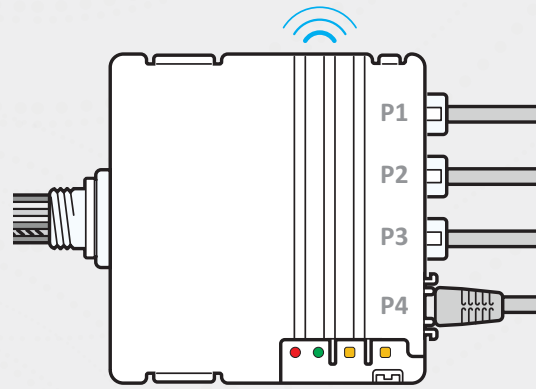


Model #  
1000133-XX



2



Turn power OFF at the service panel.



- ❑ Use only copper wiring.
- ❑ There are no user-serviceable parts inside the ARC-R. Unauthorized dismantling will void the warranty. For warranty information, see [www.autani.com/legal](http://www.autani.com/legal).

4

Wire the ARC-R. See the back of this sheet for wiring diagrams for other configurations, including one without a light switch.

**Wiring Table: Typical Installation**

Connect	Wire Color	To	Load/Switch Wire Color	Wiring
ARC-R	Black and Red Relay Leg 1	AC Main (Hot)	Black	High Voltage
	White	AC Main (Neutral)	White	
		Circuit #1 Switched Load (Neutral)	White	
	Red Relay Leg 2	Circuit #1 Load (Hot)	Black	Low Voltage*
	Yellow	Wall Switch 1	White	
	Orange	Wall Switch 2	White	
	Blue	Wall Switch 1 Common	Black	
		Wall Switch 2 Common	Black	

\* ⚠ AC line power must be removed from the wall switch. All wall switch connections to the ARC-R are low voltage.

**Optional:**

ARC Accessory Cable	Black	Universal Power Pack - GND/Common	Black	Low Voltage
	Red	Universal Power Pack - 24V	Red	
	White	Universal Power Pack - Control	Blue	
Universal Power Pack	Black & Red Relay Leg 1	AC Line (Hot)	Black	High Voltage
	White	AC Line (Neutral)	White	
	Red Relay Leg 2	Circuit #2 Switched Load (Neutral)	White	
		Circuit #2 Load (Hot)	Black	

3

**MOUNT THE ARC-R**

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



5

**INSTALL 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 3<sup>rd</sup> party motion sensor or contact switch:
  1. Follow the installation documentation that came with the device.
  2. Wire the device to the correct ARC-R Accessory Cable (not included).
  3. Plug the cable into the correct ARC-R port as illustrated below.

P4	P3	P2	P1
Motion Sensor <sup>1</sup>	Wall Switch or Contact Sensor	Auxiliary Voltage Output <sup>2</sup>	Power Pack

<sup>1</sup> If necessary, remove the Keep-On Plug from P4.

<sup>2</sup> 24VDC, 100 mA Maximum.

6

**TEST LIGHT SWITCHES AND SENSOR IF INSTALLED.**

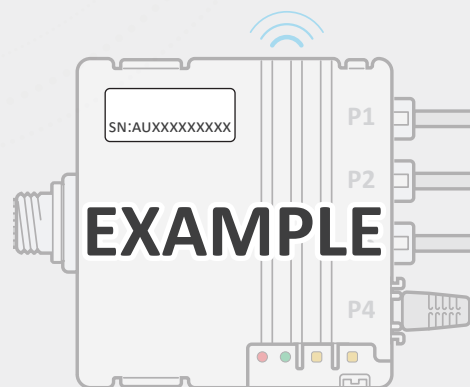
1. Wait 30 seconds after power is restored.
2. Flip the light switches to ensure the lights turns On and Off correctly.
3. If a motion sensor is installed:
  - A. Push and hold SW2 until the light turns off (about two seconds).



- 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.

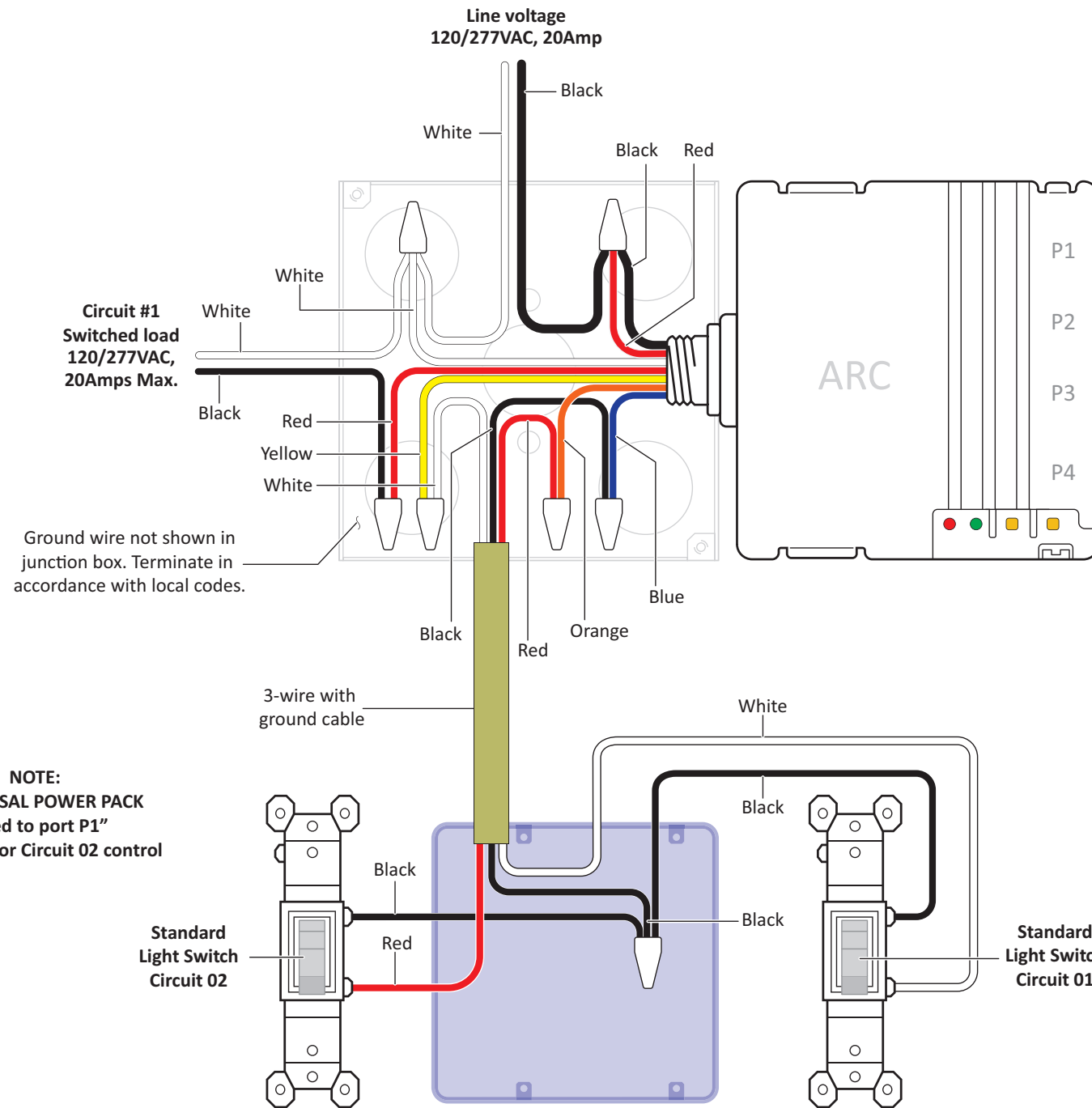
1

On the provided list of device serial numbers, document the location for the ARC-R.



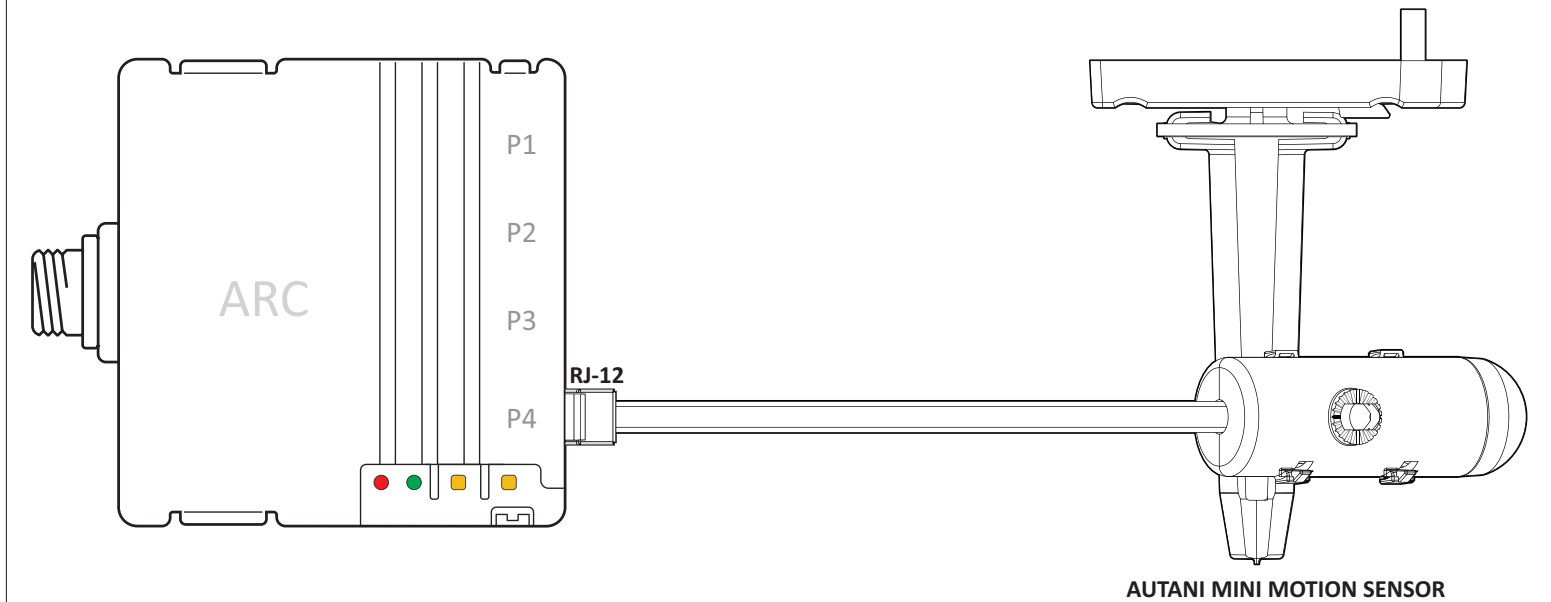
INDIVIDUAL CONNECTIONS TO ARC

TWO WALL SWITCHES CONNECTED THROUGH JUNCTION BOX (STANDARD)

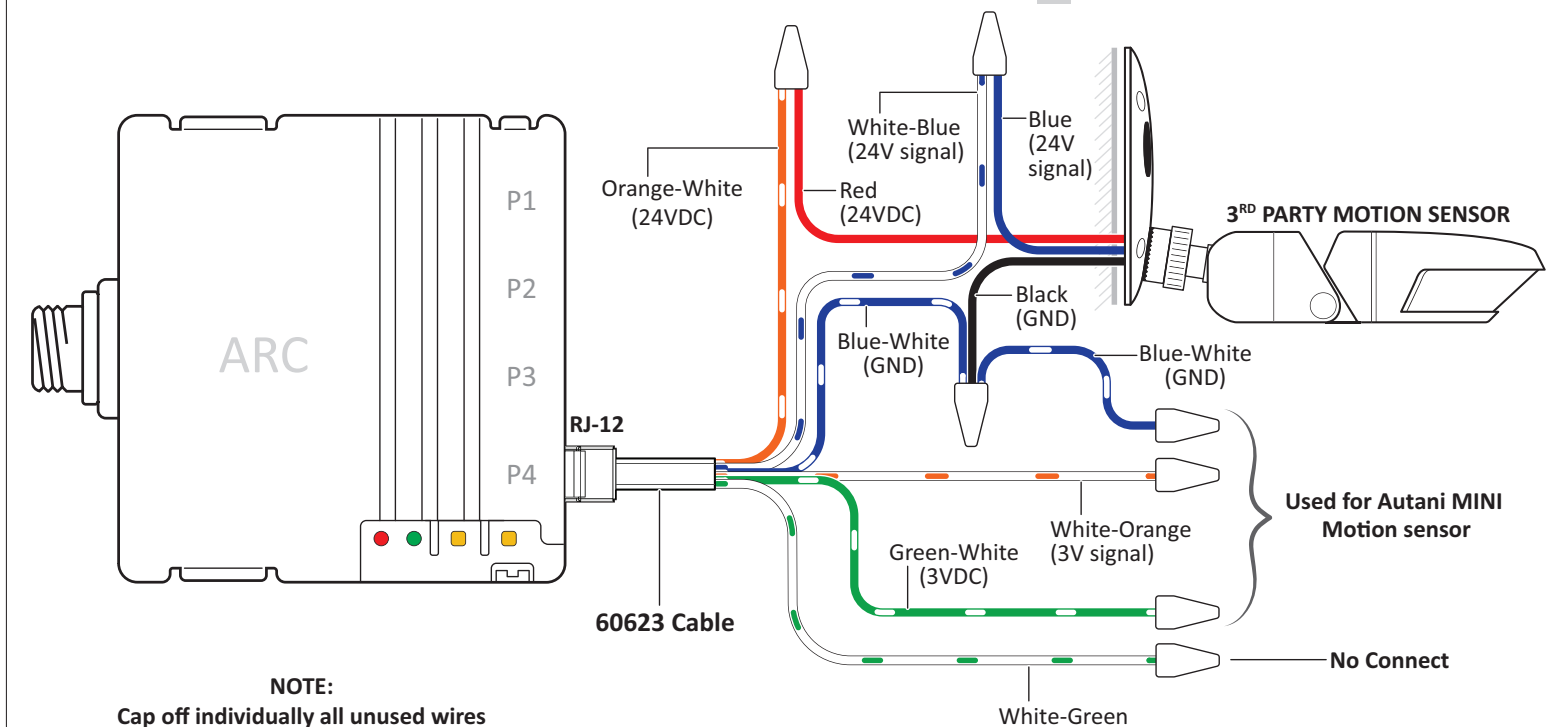


NOTE: Earth ground wires are not shown.

AUTANI MINI WIRED MOTION SENSOR

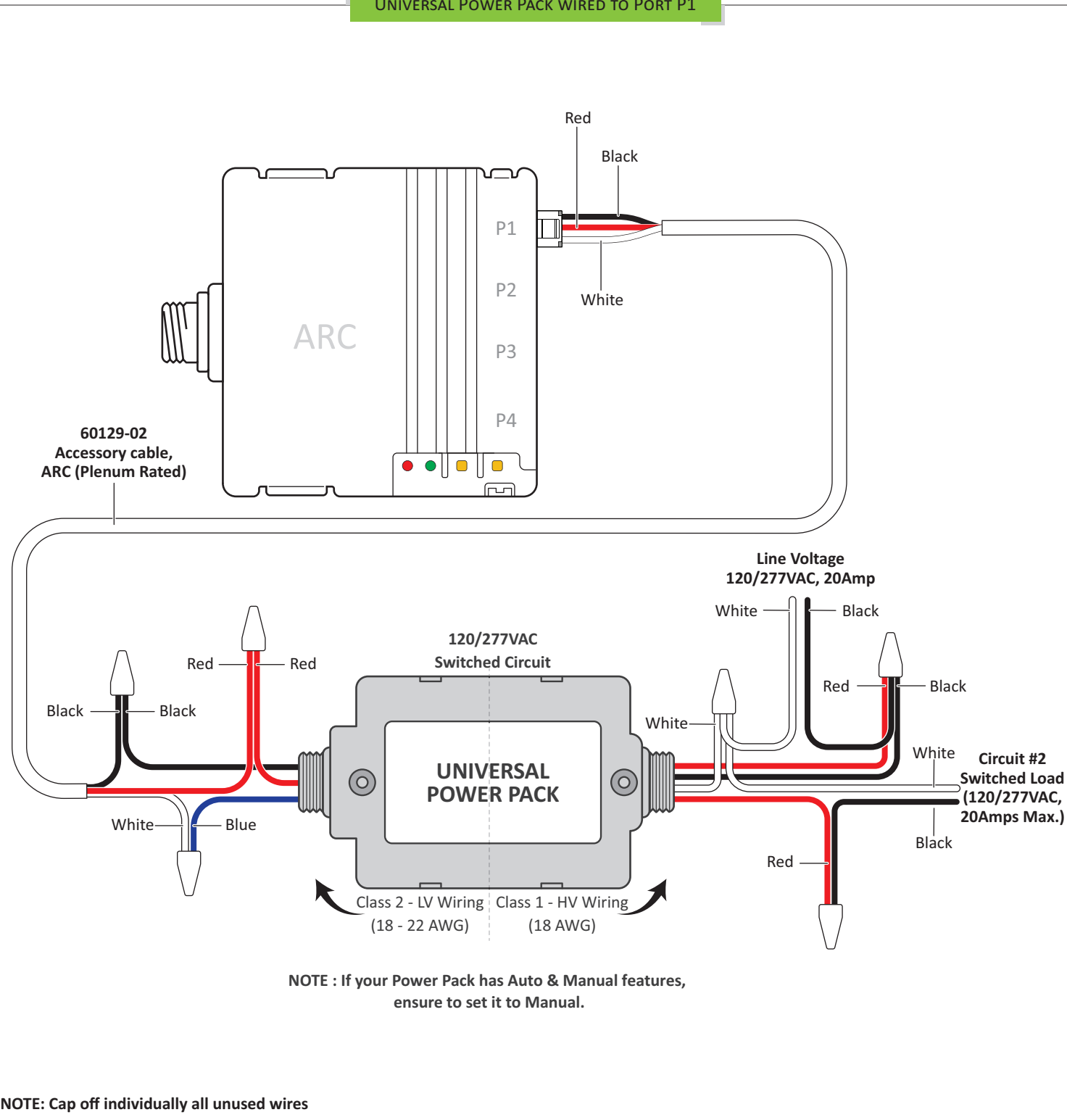


3<sup>RD</sup> PARTY WIRED MOTION SENSOR

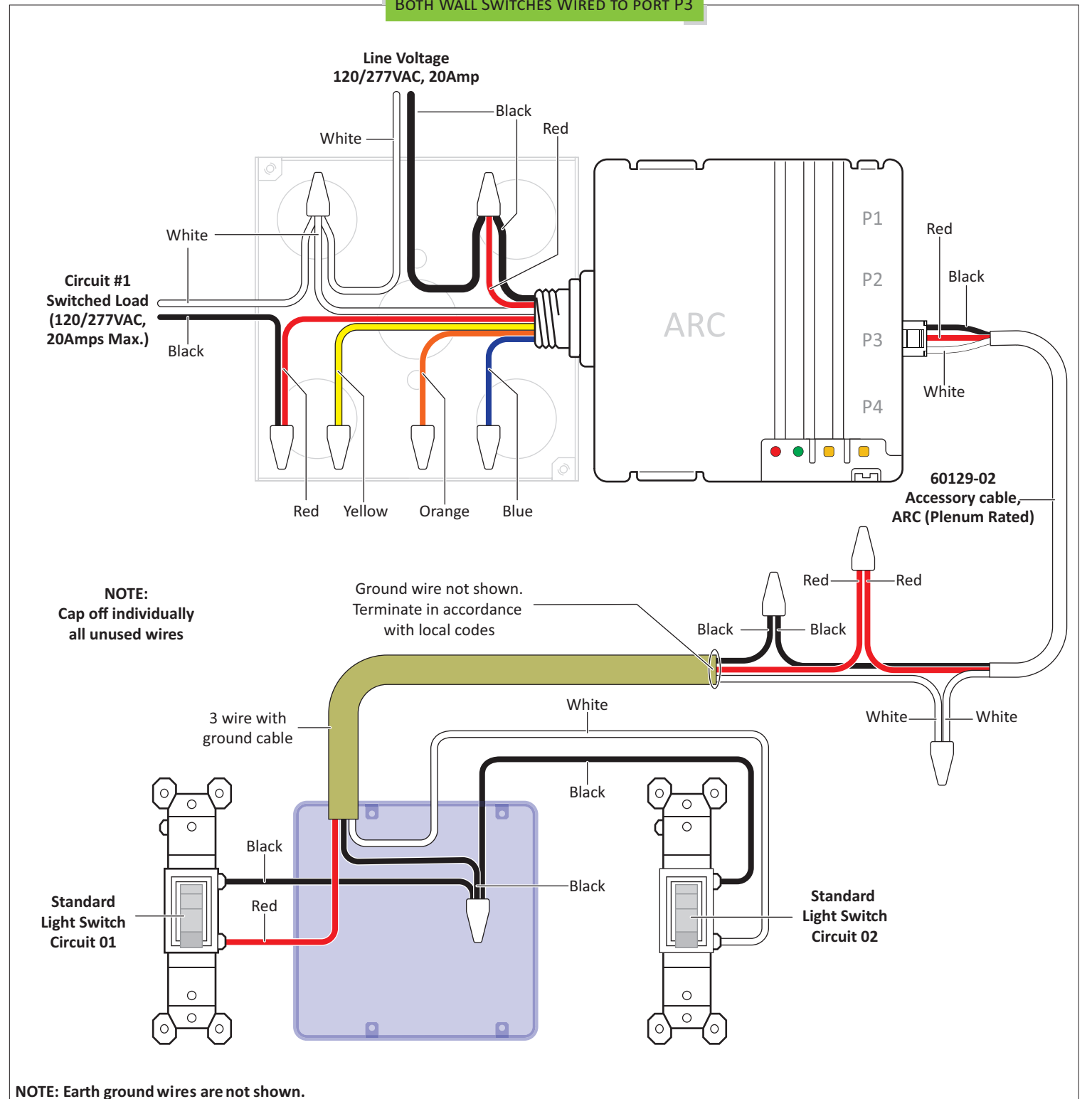


INDIVIDUAL CONNECTIONS TO ARC

UNIVERSAL POWER PACK WIRED TO PORT P1

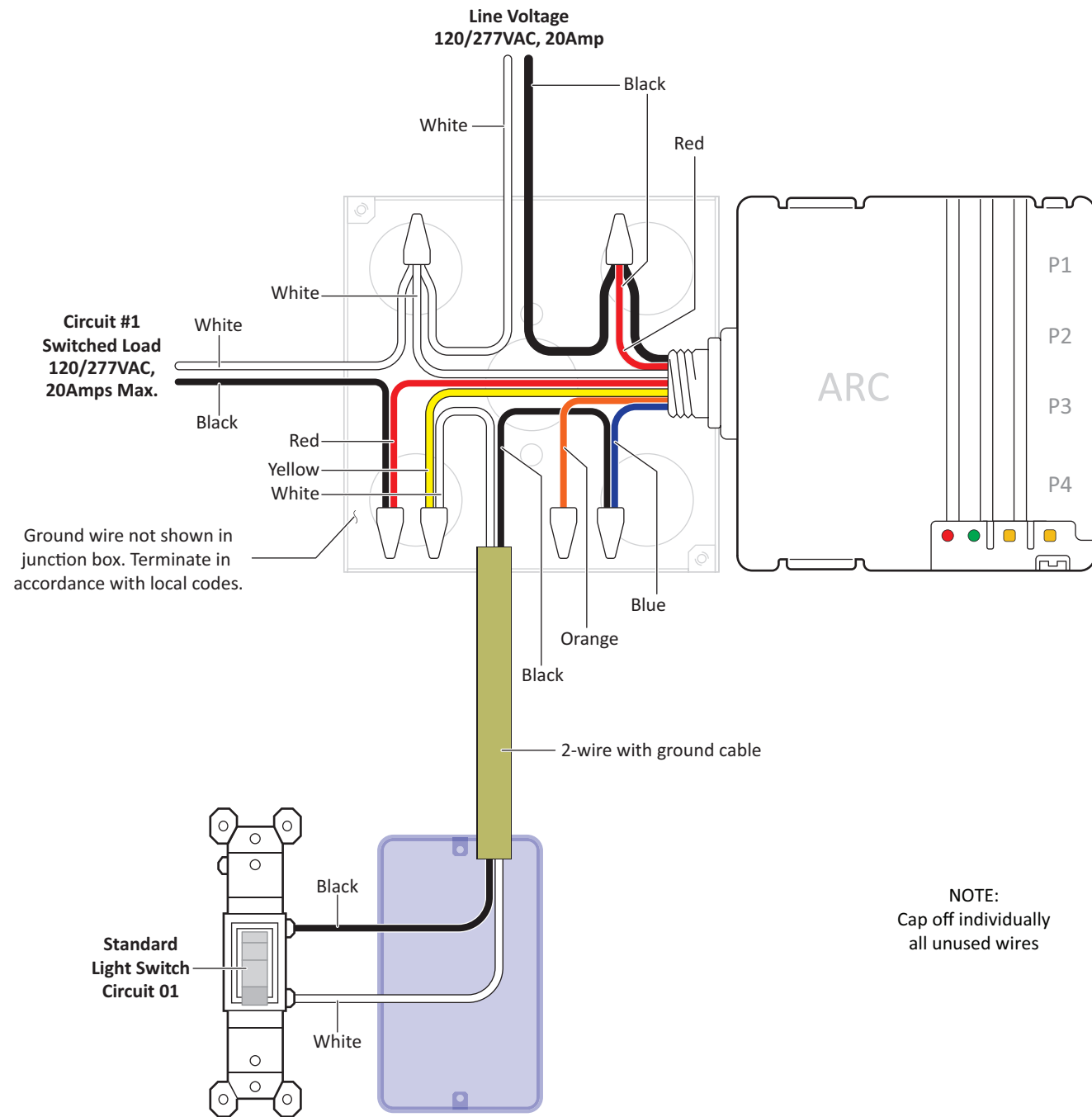


BOTH WALL SWITCHES WIRED TO PORT P3



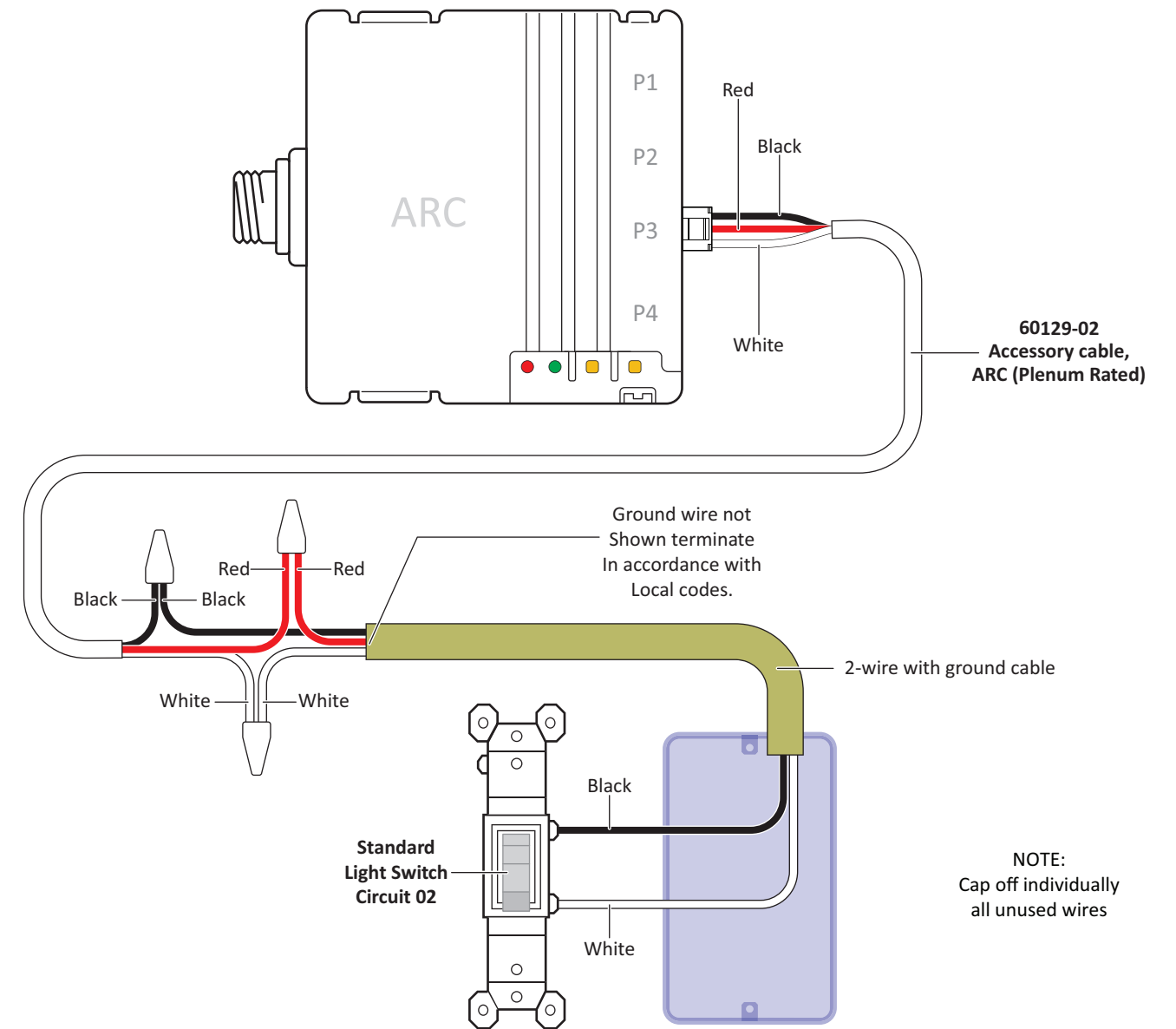
**INDIVIDUAL CONNECTIONS TO ARC**

**ONE WALL SWITCH CONNECTION THROUGH JUNCTION BOX**



NOTE: Earth ground wires are not shown.

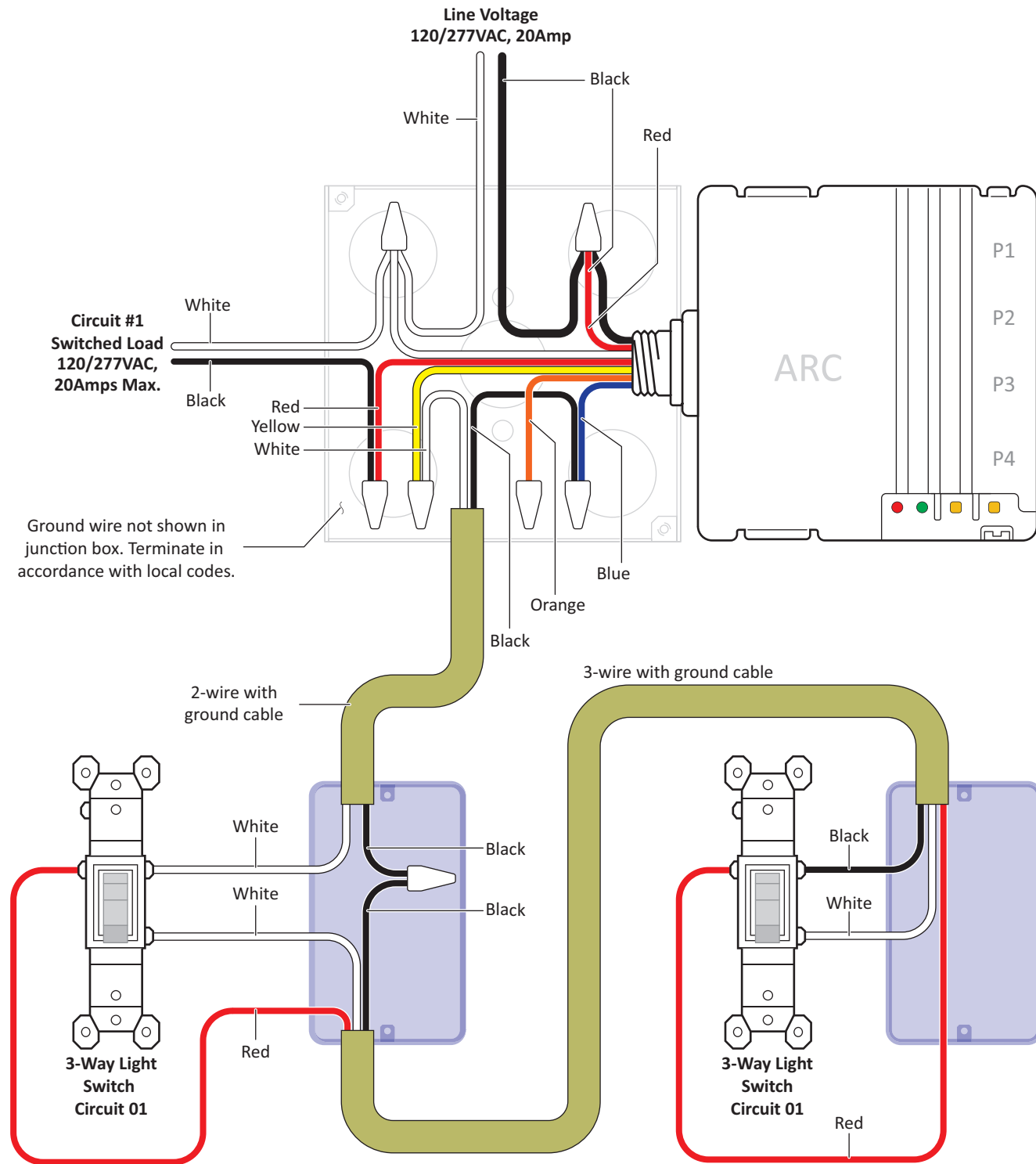
**ONE WALL SWITCH WIRED TO PORT P3**



NOTE: Earth ground wires are not shown.

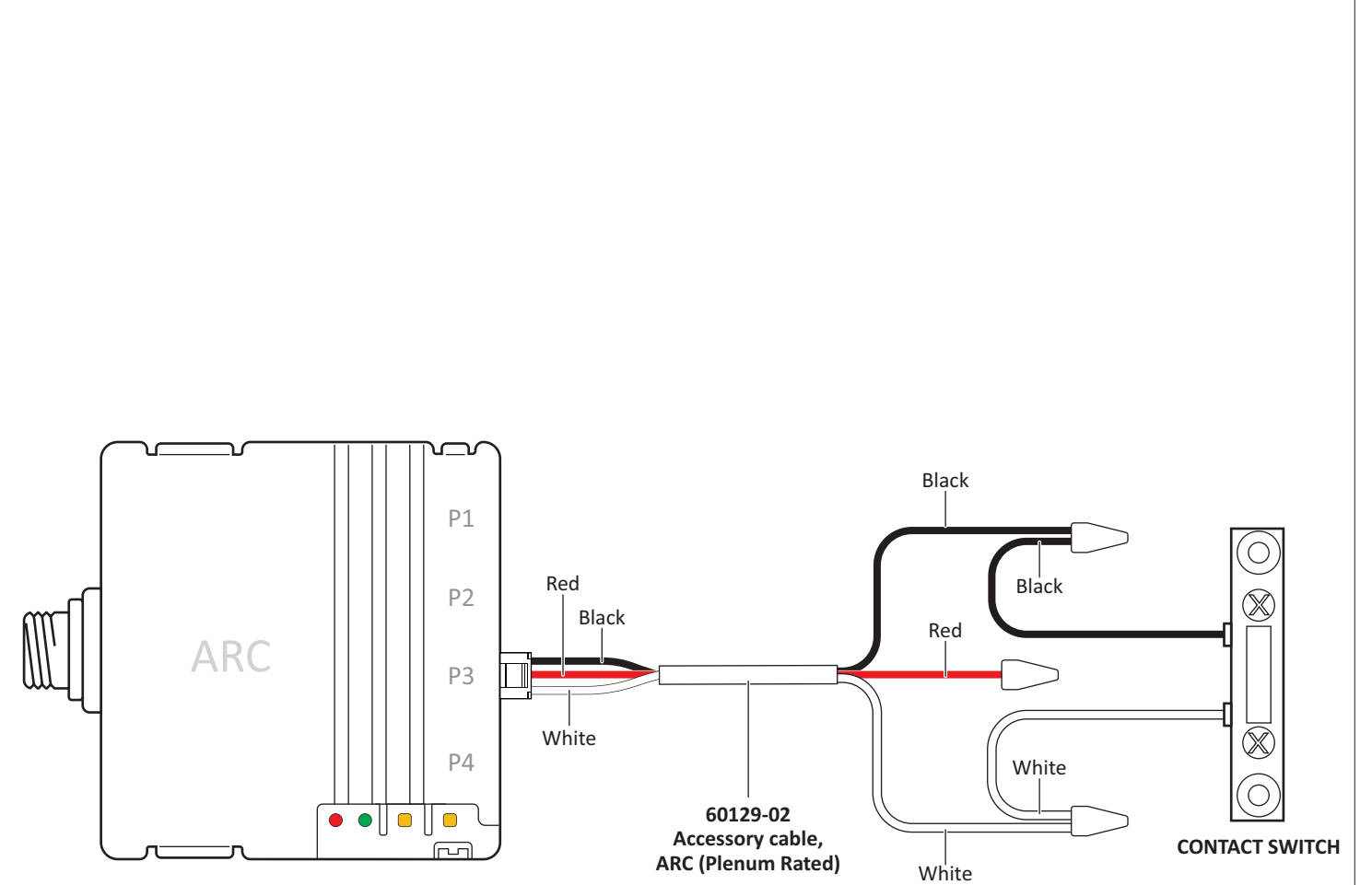
INDIVIDUAL CONNECTIONS TO ARC

TWO WALL SWITCHES CONNECTED THROUGH JUNCTION BOX (3-WAY)



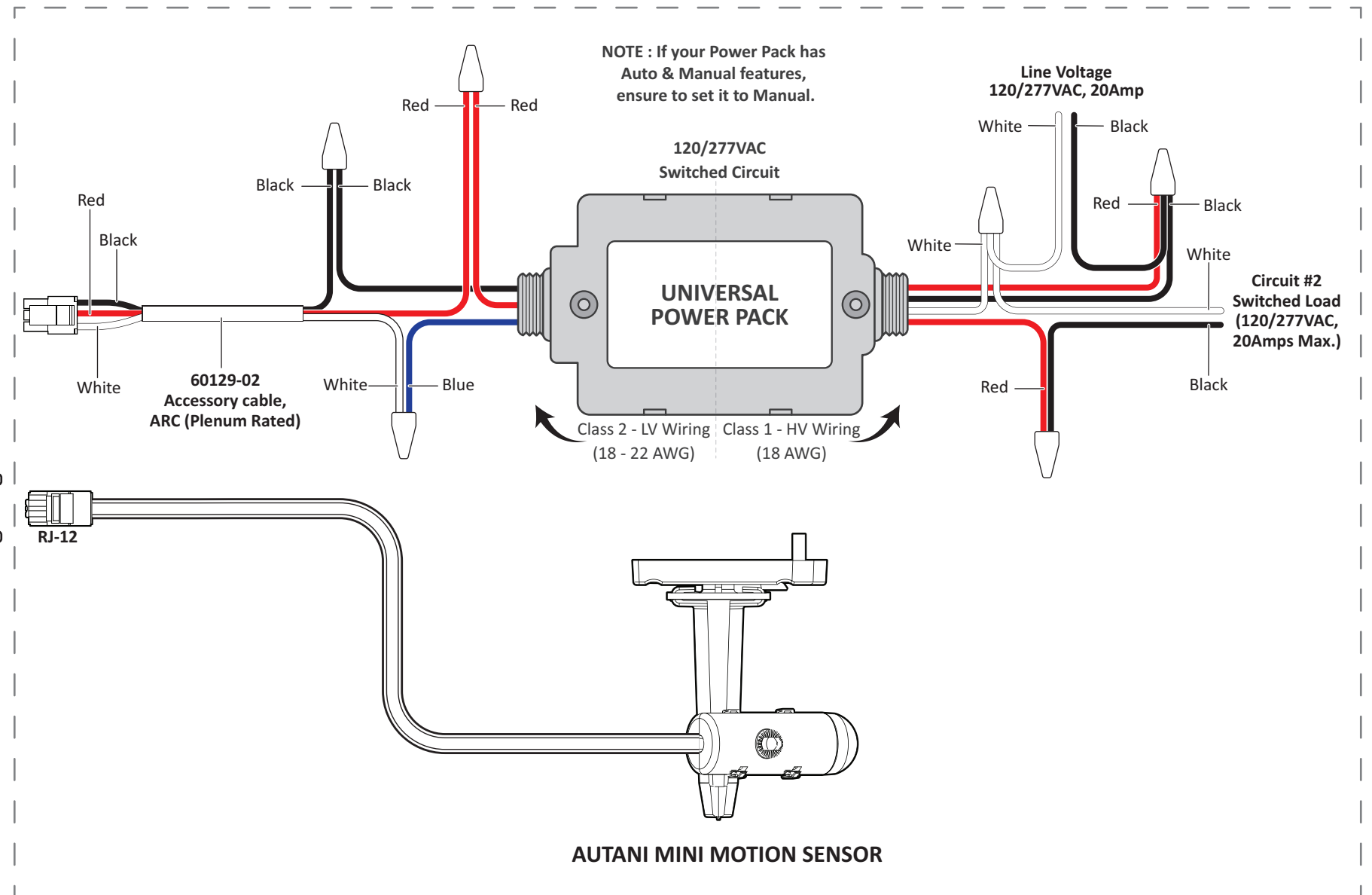
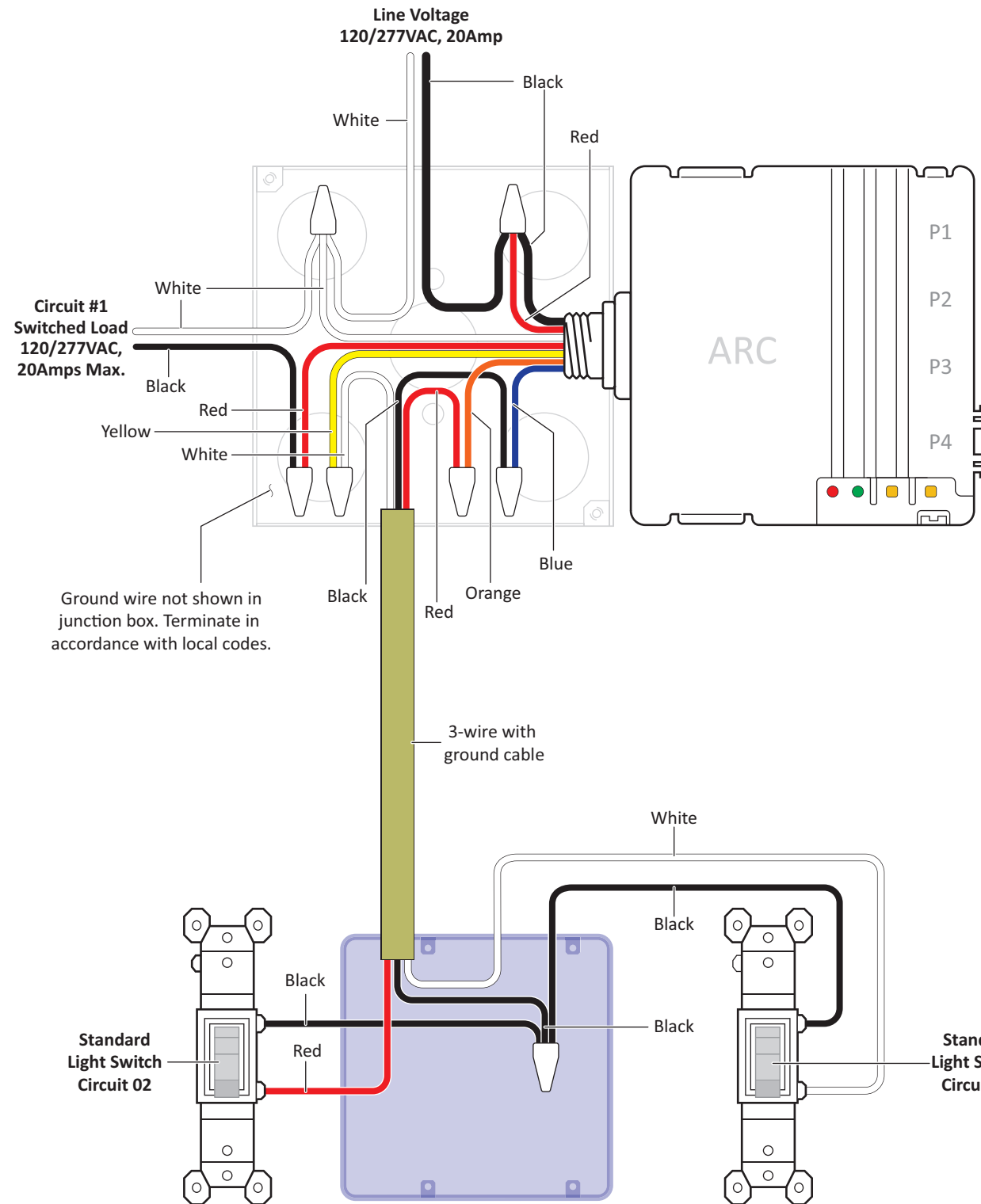
NOTE: Earth ground wires are not shown.

CONTACT SWITCH WIRED TO PORT P3





TYPICAL INSTALLATION



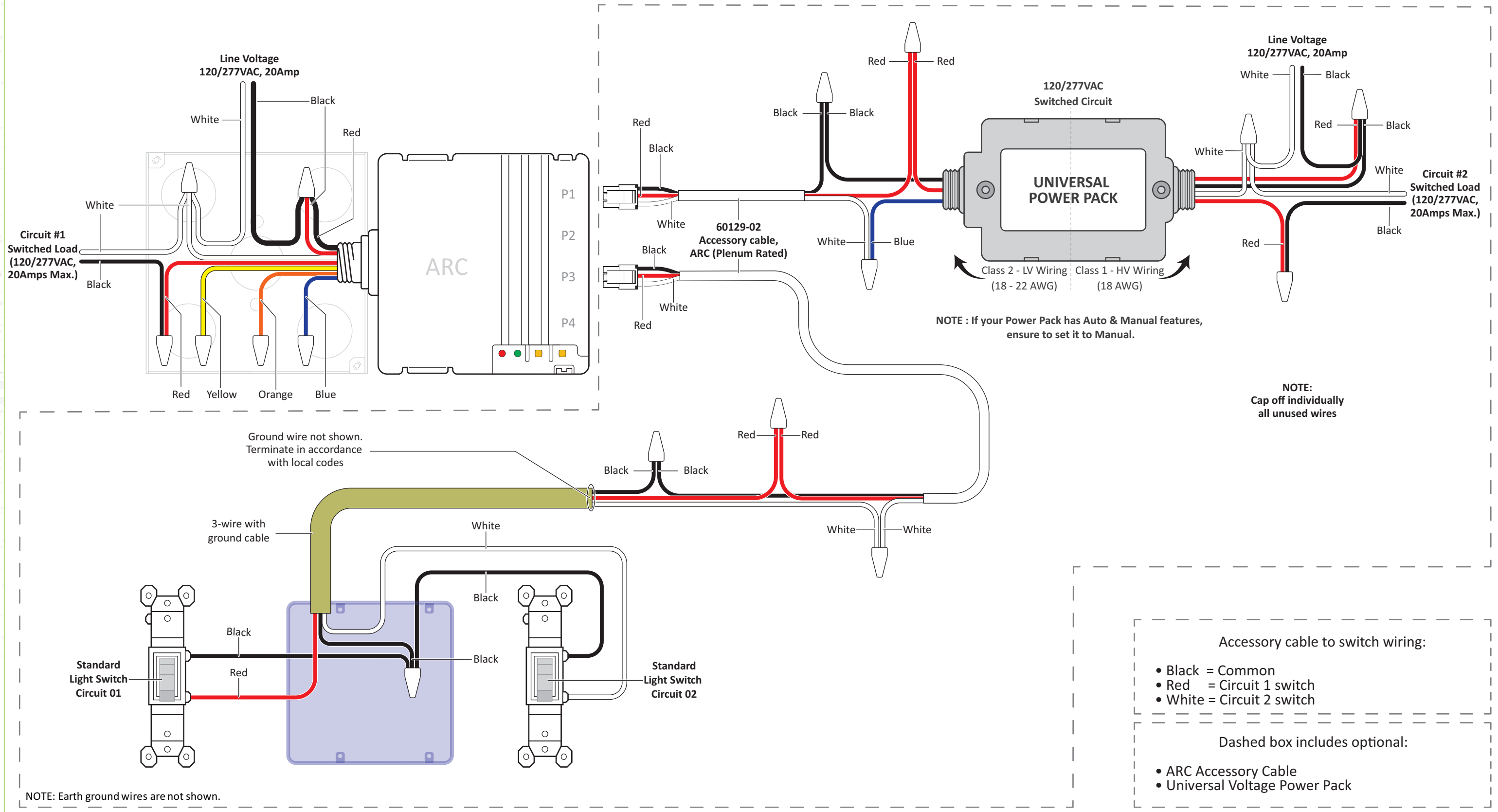
NOTE:  
Cap off individually  
all unused wires

DASHED BOX INCLUDES OPTIONAL:

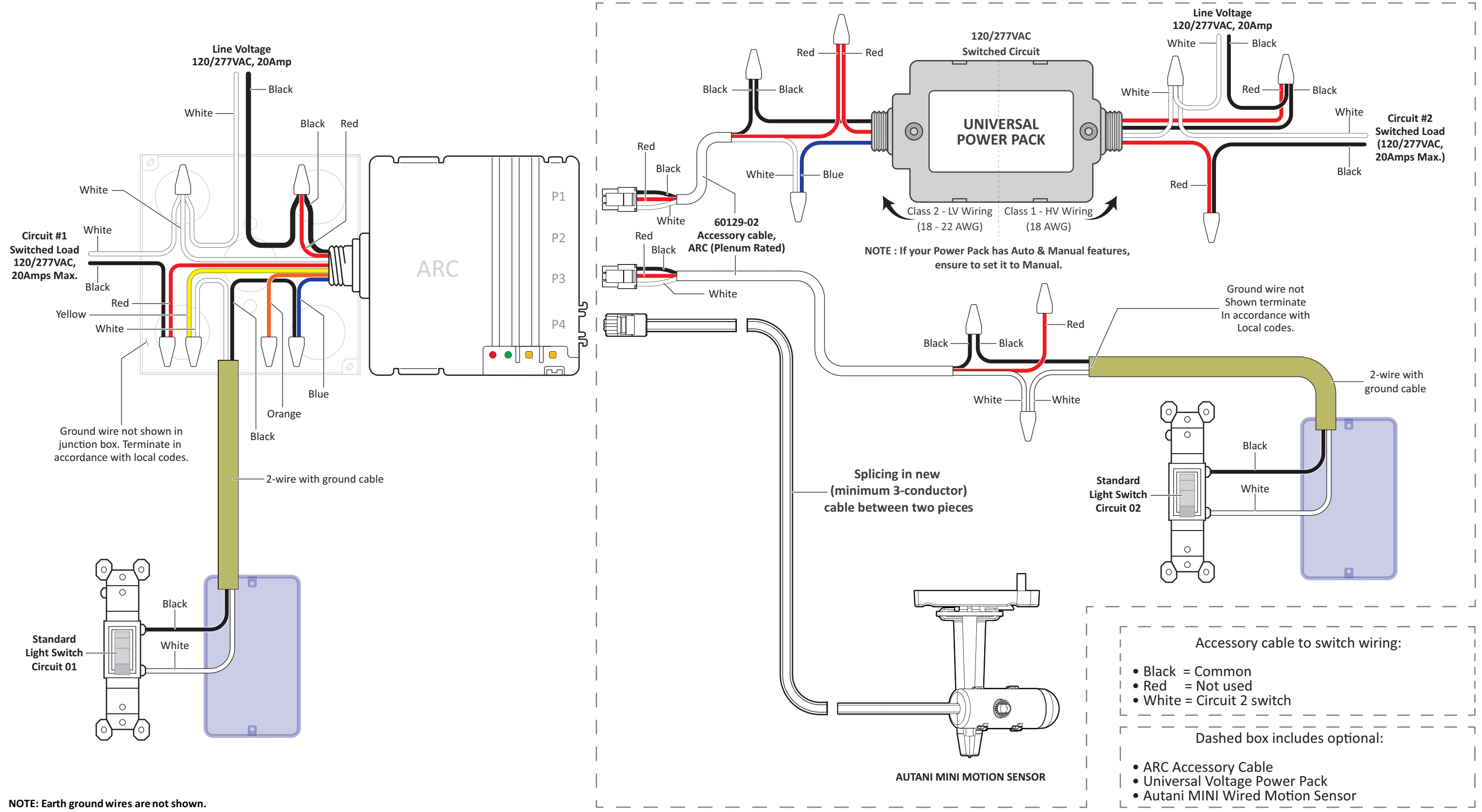
- ARC ACCESSORY CABLE
- UNIVERSAL VOLTAGE POWER PACK
- AUTANI MINI WIRED MOTION SENSOR

NOTE: Earth ground wires are not shown.

**ALTERNATE TWO-CIRCUIT CONNECTION – BOTH WALL SWITCH WIRED TO PORT P3**

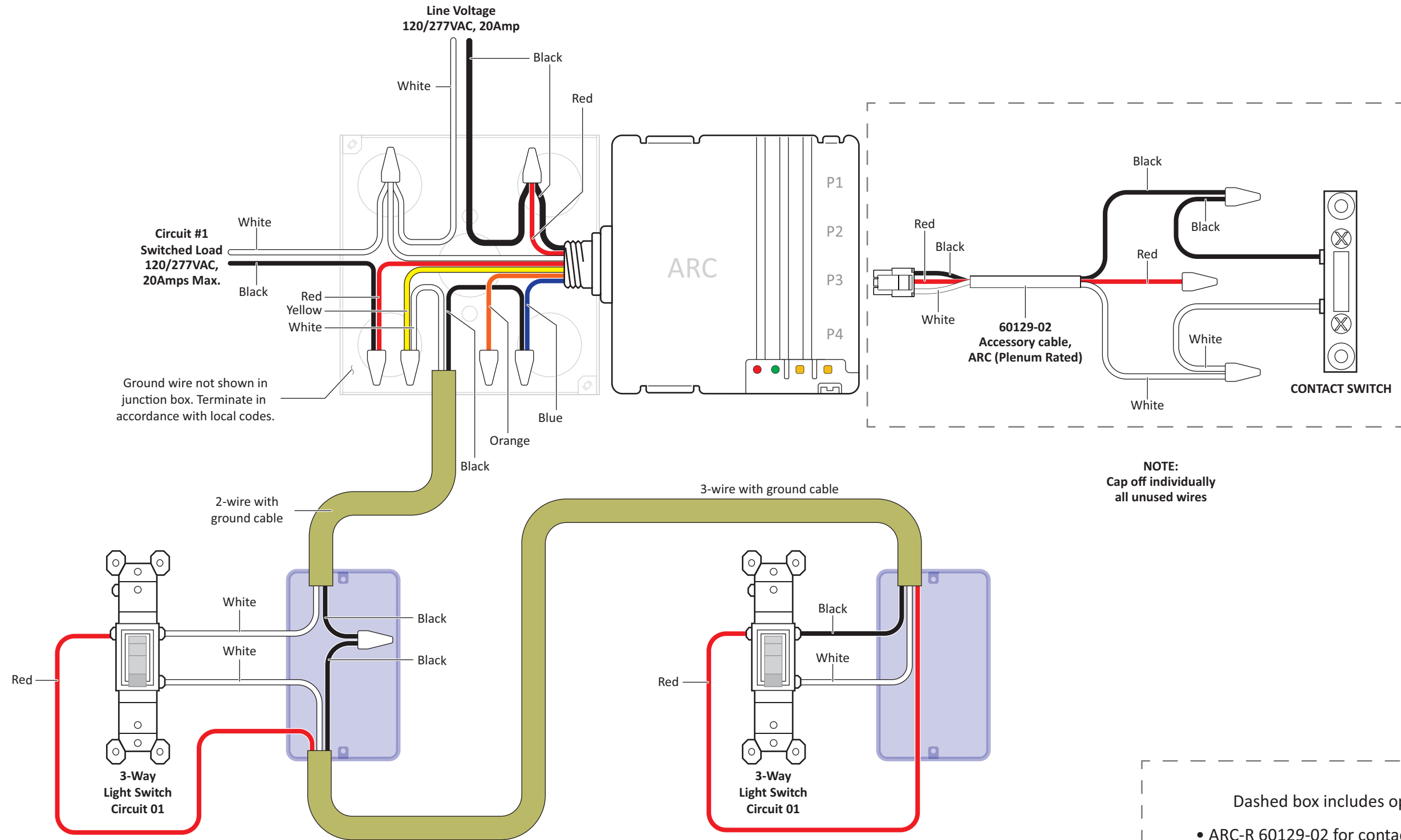


ALTERNATE TWO-CIRCUIT CONNECTION – ONE WALL SWITCH WIRED TO PORT P3



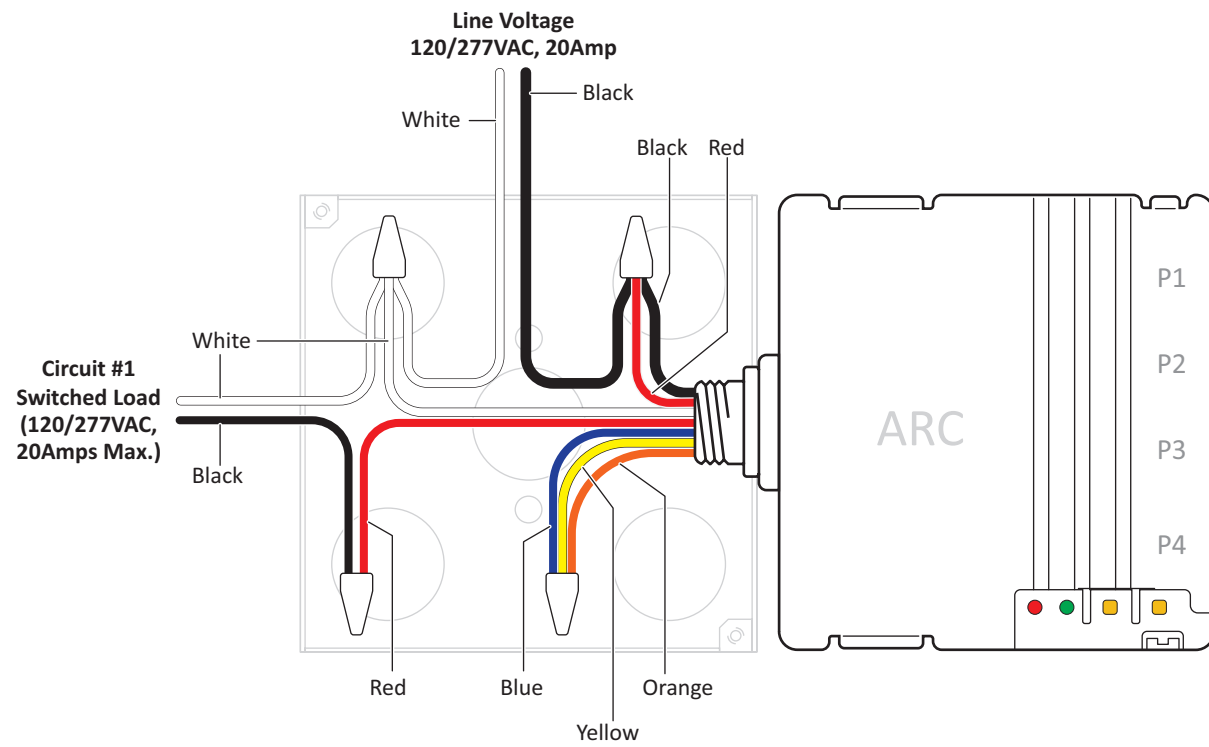


THREE-WAY LIGHT SWITCH



NOTE: Earth ground wires are not shown.

No LIGHT SWITCH



Note: Tie together and then cap the ARC-R yellow, orange, and blue wires.

NOTE: Cap off individually all unused wires

ARC-R WITH LCS-624D PHOTOCONTROL SENSOR

