

# Autani Wireless Relay Controller (WRC) Quick Installation Sheet

(Color version available at [autani.com](http://autani.com))

1

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

Serial Number List				
WRC #	Model	Serial Number	Device Name	Location
1	WRC-1000	1234567890	WRC-1000	Room 101
2	WRC-1000	1234567890	WRC-1000	Room 101
3	WRC-1000	1234567890	WRC-1000	Room 101
4	WRC-1000	1234567890	WRC-1000	Room 101
5	WRC-1000	1234567890	WRC-1000	Room 101
6	WRC-1000	1234567890	WRC-1000	Room 101
7	WRC-1000	1234567890	WRC-1000	Room 101
8	WRC-1000	1234567890	WRC-1000	Room 101
9	WRC-1000	1234567890	WRC-1000	Room 101
10	WRC-1000	1234567890	WRC-1000	Room 101
11	WRC-1000	1234567890	WRC-1000	Room 101
12	WRC-1000	1234567890	WRC-1000	Room 101
13	WRC-1000	1234567890	WRC-1000	Room 101
14	WRC-1000	1234567890	WRC-1000	Room 101
15	WRC-1000	1234567890	WRC-1000	Room 101
16	WRC-1000	1234567890	WRC-1000	Room 101
17	WRC-1000	1234567890	WRC-1000	Room 101
18	WRC-1000	1234567890	WRC-1000	Room 101
19	WRC-1000	1234567890	WRC-1000	Room 101
20	WRC-1000	1234567890	WRC-1000	Room 101

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 information, see [www.autani.com/legal](http://www.autani.com/legal).

3

Mount the WRC.


- 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.




4

Wire the WRC. See the back of this sheet for wiring diagrams for other configurations.


Wiring Table: Typical Installation

Connect	Wire Color	To	Wire Color	Wiring
WRC	Black and Red	AC Line	Black	 High Voltage
	White	AC Neutral	White	
		Circuit #1 Load Neutral	White	
	Second Red	Circuit #1 Load Switched-Line	Black	Class 2 Low Voltage*
	Blue	Wall Switch Common	Black	
	Yellow	Wall Switch 1	White	
	Orange	Wall Switch 2	White	
	Brown	Dimmer Switch Input	Violet	
	Violet	Dimming Ballast 1	Violet	
	White/Violet	Dimming Ballast 2	Violet	
	Gray	Dimming Ballast Common	Gray	
Accessories				
WRC (P2)**	Black	12-24v Photo Sensor – GND/Com	Black	Class 2 Low Voltage*
	Red	12-24v Photo Sensor – 24V	Red	
	White	12-24v Photo Sensor – Signal	Orange / Yellow (typ.)	
WRC (P3)**	Black	Wall Switch Common	Black	
	Red	Wall Switch 1	White	
	White	Wall Switch 2	White	

\*  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 2<sup>nd</sup> circuit:

WRC Accessory Cable	Black	Universal Power Pack – GND/Com	Black	Class 2 Low Voltage
WRC Accessory Cable	Red	Universal Power Pack – 24V	Red	
WRC Accessory Cable	White	Universal Power Pack – Control	Blue (typ.)	
Universal Power Pack	Black and Blue	AC Line	Black	 High Voltage
Universal Power Pack	White	AC Neutral	White	
		Circuit #2 Load Neutral	White	
Universal Power Pack	Second Blue	Circuit #2 Load Switched-Line	Black	

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Install the Autani Mini Wired Motion Sensor wired motion sensor.

- Follow the Quick Installation Sheet for an Autani MINI Wired Motion Sensor, and plug it into P4.

P4	P3	P2	P1
			
Motion Sensor <sup>1</sup>	Contact Switch	Photo Sensor <sup>1</sup>	Power Pack

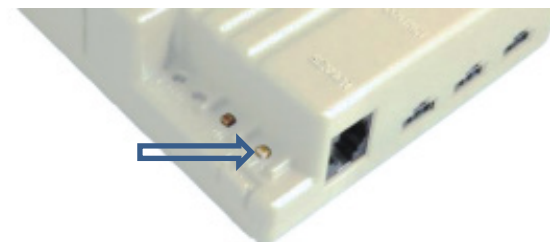
<sup>1</sup> If necessary, remove the Keep-On Plug from P4.

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

6

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 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).

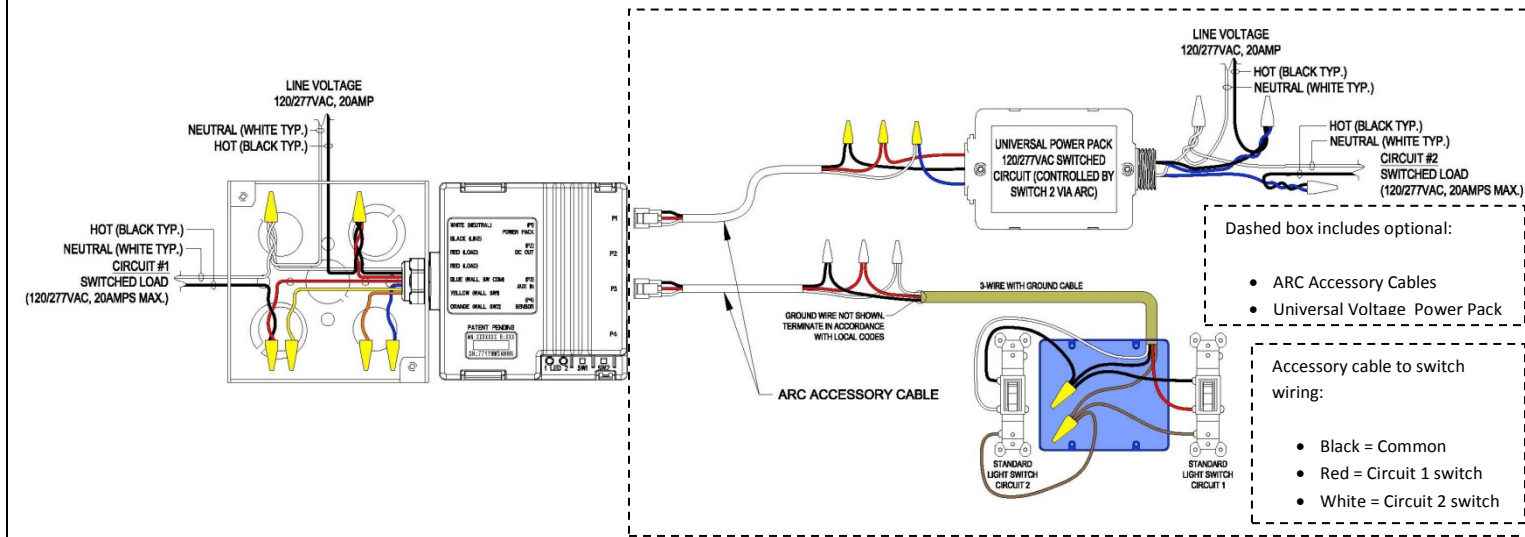


- b. Release SW2 and remain stationary for 10 seconds.
- c. Confirm the motion sensor triggers the lights to turn on and has adequate range/coverage.

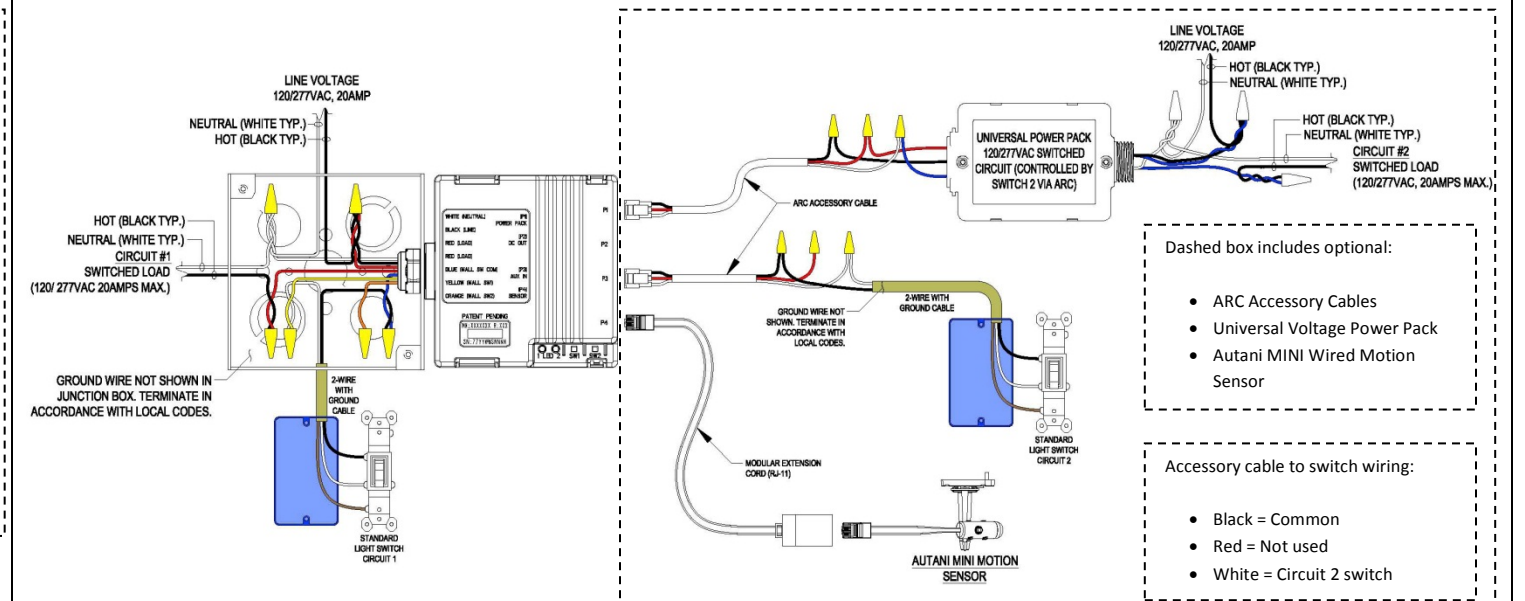
## Example Wiring Diagrams

Color versions available at [autani.com](http://autani.com). See wiring tables on front of this sheet.

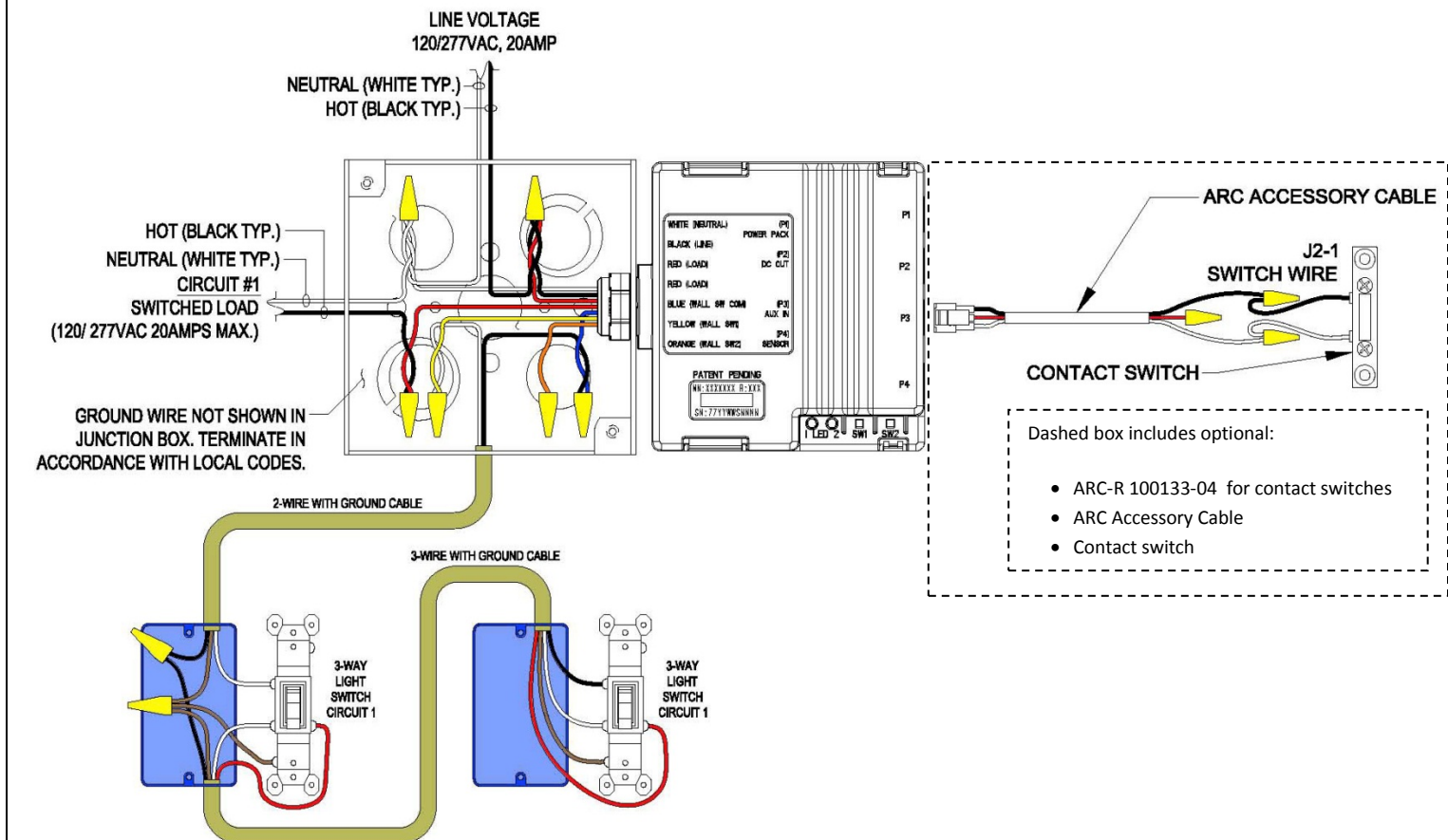
### Alternate Two-Circuit Connection – Both Wall Switches Wired to port P3



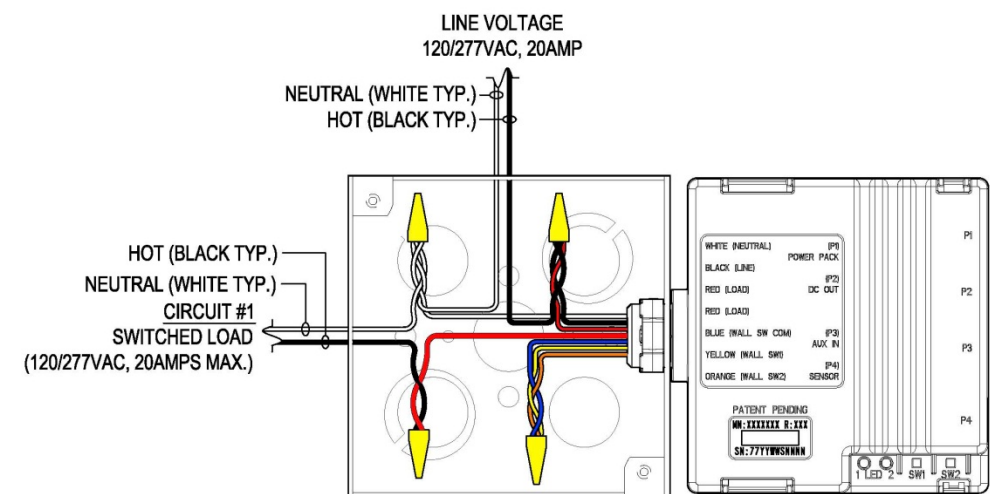
### Alternate Two-Circuit Connection – One Wall Switch Wired to port P3



## Three-Way Light Switch



## No Light Switch



Note: Tie together and then cap the WRC yellow, orange, and blue wires.