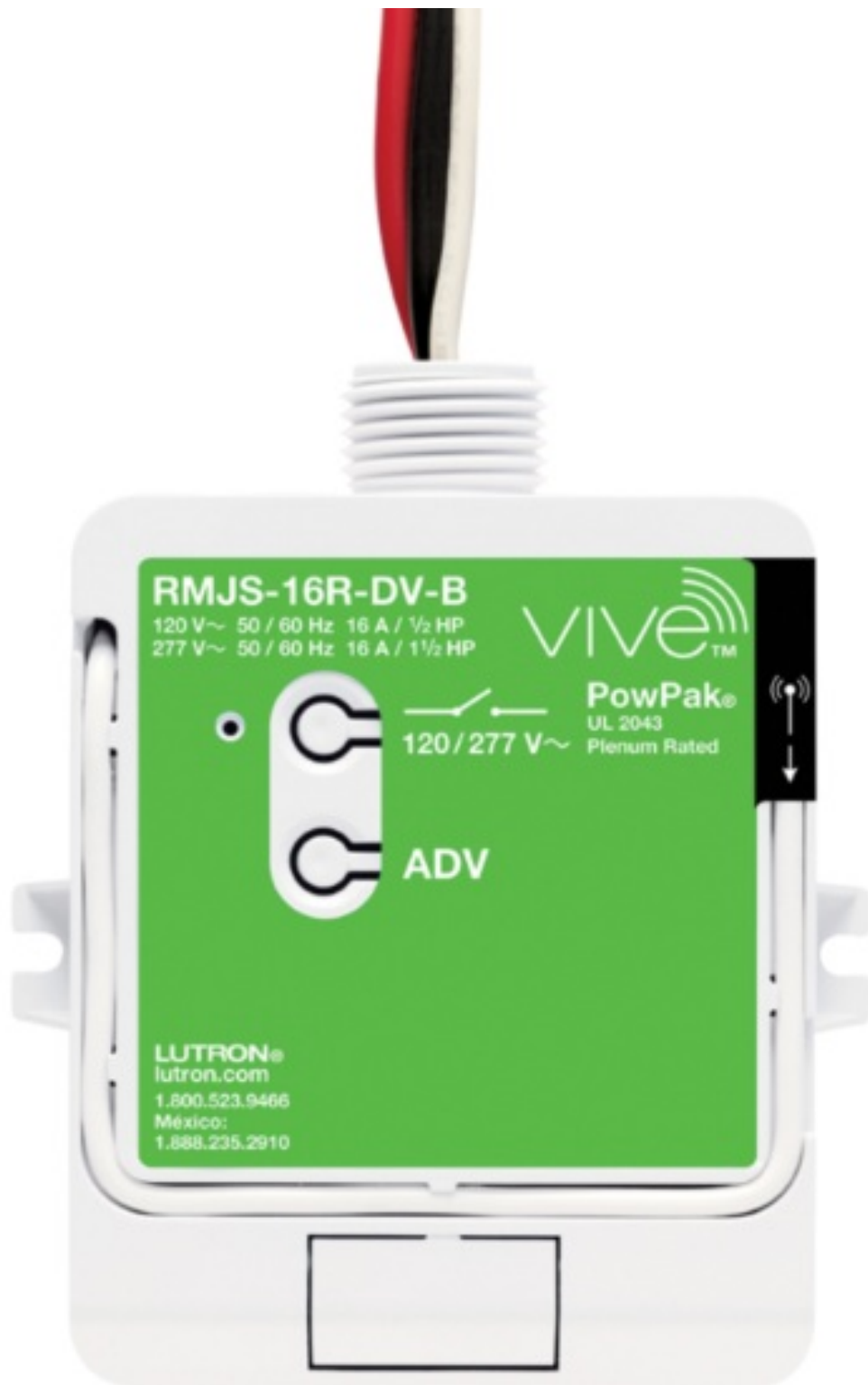# LUTRON RMNS-16R-DV-B Vive PowPak Relay Module with Softswitch Installation Guide

LUTRON RMNS-16R-DV-B Vive PowPak Relay Module with Softswitch

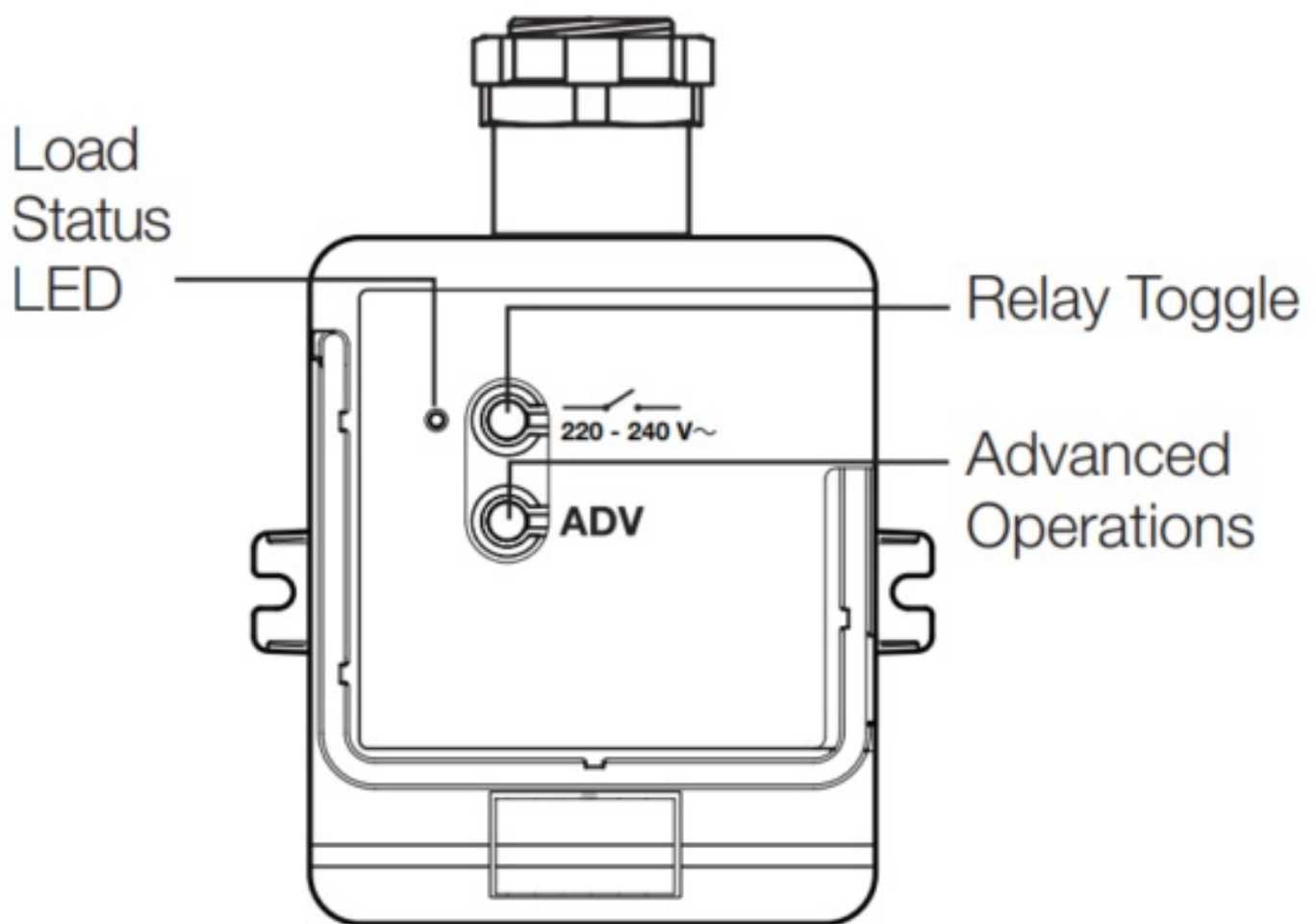RMJS-16R-DV-B

120 V~ 50 / 60 Hz 16 A / ½ HP
277 V~ 50 / 60 Hz 16 A / 1½ HP

VIVE™

PowPak®
UL 2043
Plenum Rated

120 / 277 V~

ADV

LUTRON®
lutron.com
1.800.523.9466
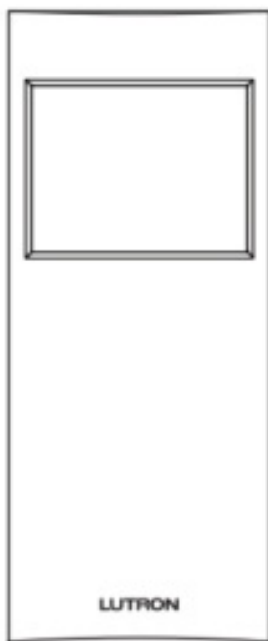México:
1.888.235.2910

Contents

Required Components

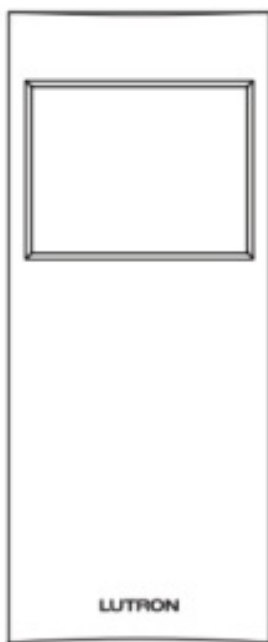*For each system ensure you have:*
At least one PowPak Relay Module

PowPak Relay Module

At least one Wireless Transmitter

Radio Powr Savr Occupancy Sensor
(10 maximum)

Radio Powr Savr Occupancy Sensor
(10 maximum)

Installation

RMNS-16R-DV-B With Softswitch

220 – 240 V~ 50 / 60 Hz 16 A

6 A Motor at 220 – 240 V~

Note for Replacement:
RMxS – the "S" model can replace the non-"S" mode

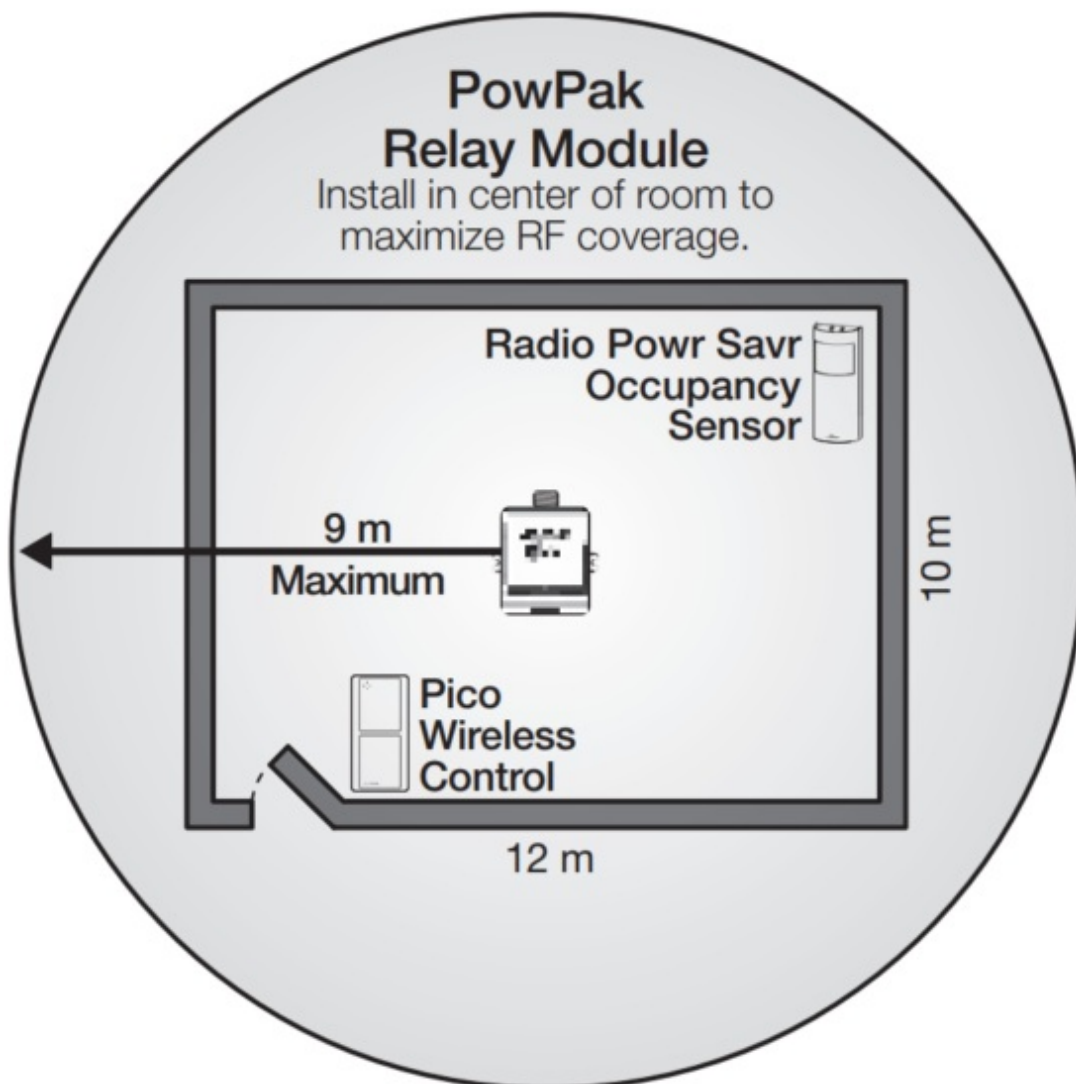*Important Notes: Please read before installing.*

- For installation by a qualified electrician in accordance with all local and national electrical codes.
- Note: Use copper conductors only.
- Check to see that the device type and rating is suitable for the application.
- DO NOT install if product has any visible damage.
- If moisture or condensation is evident, allow the product to dry completely before installation.
- Operate between 0 °C and 55 °C.
- 0% to 90% humidity, non-condensing.
- For indoor use only.

⚠ **WARNING**	Shock Hazard. May result in serious injury or death. **Turn off power at circuit breaker before installing the unit.**

All Wireless Transmitters must be installed within 9 m of the PowPak Relay Module.

Start Here

Install PowPak Relay Module

Suggested Installation Location: Center of room to ensure proper RF coverage of area.

A Install the 1/2 in NPT to 20 mm conduit adapter (provided) onto the PowPak Relay Module.
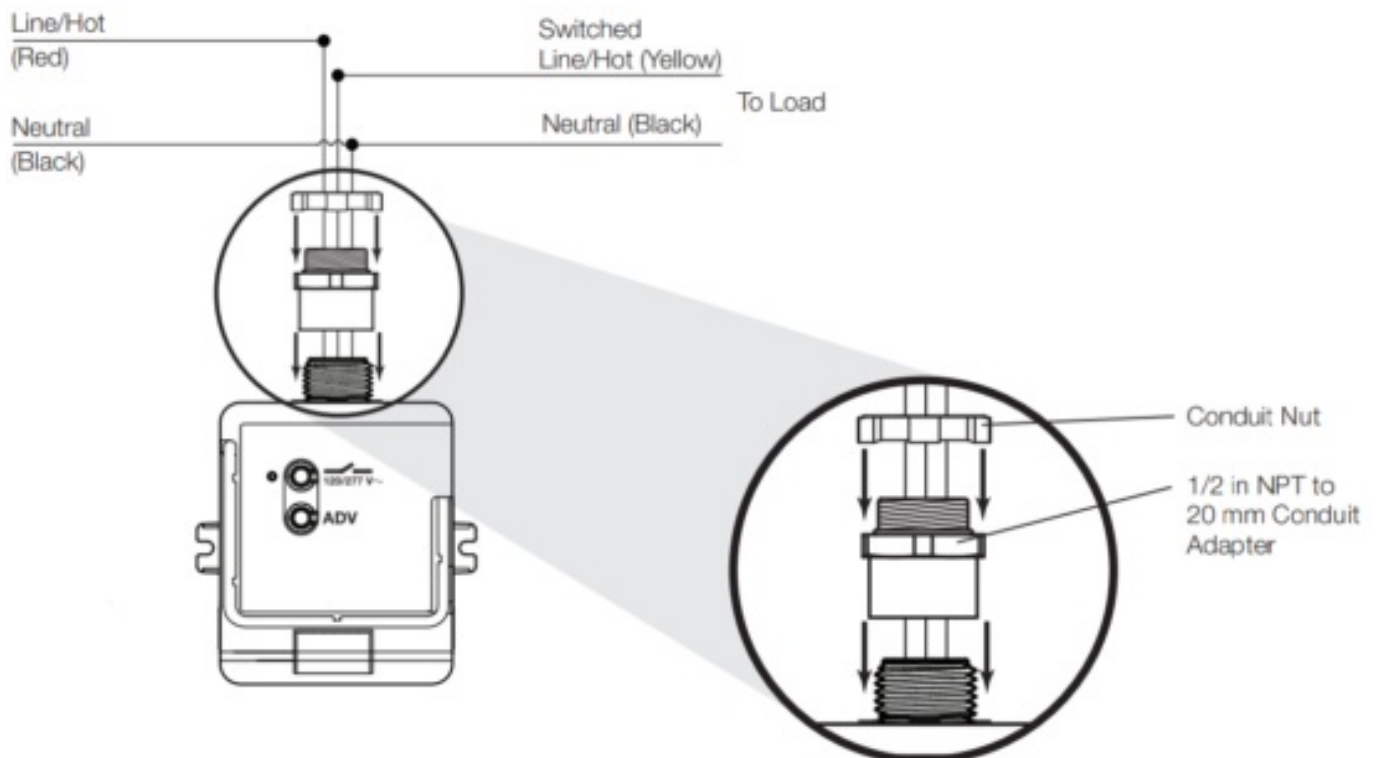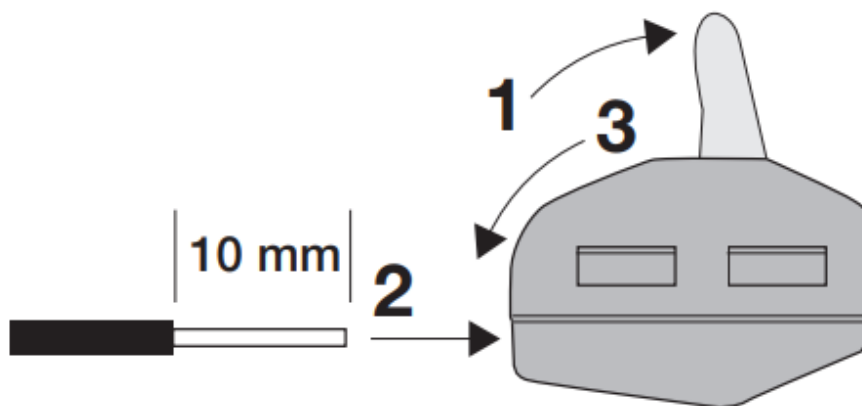**B** The PowPak Relay Module can be installed in a junction box or marshalling box using the conduit nut (provided) or with mounting screws (not provided). Please consult local and national electric codes for proper installation.
C Once installed, energize the PowPak Relay Module.
D Use the Relay Toggle button to toggle between ON and OFF to verify wiring.
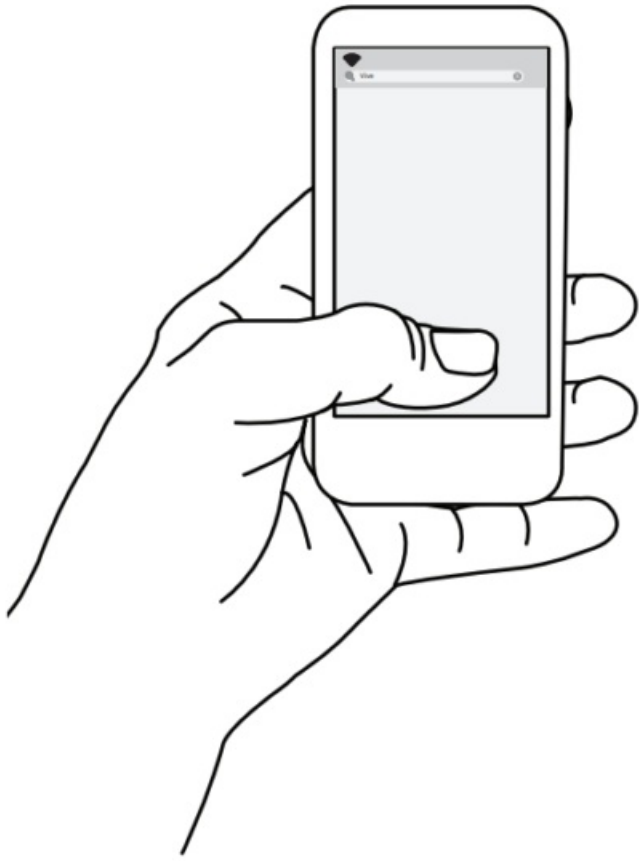

Wiring a Lever Operated Connector
When wiring lever operated connectors (2 supplied) use 2.5 mm2 to 4.0 mm2 (14 AWG to 12 AWG) solid or stranded copper wire.
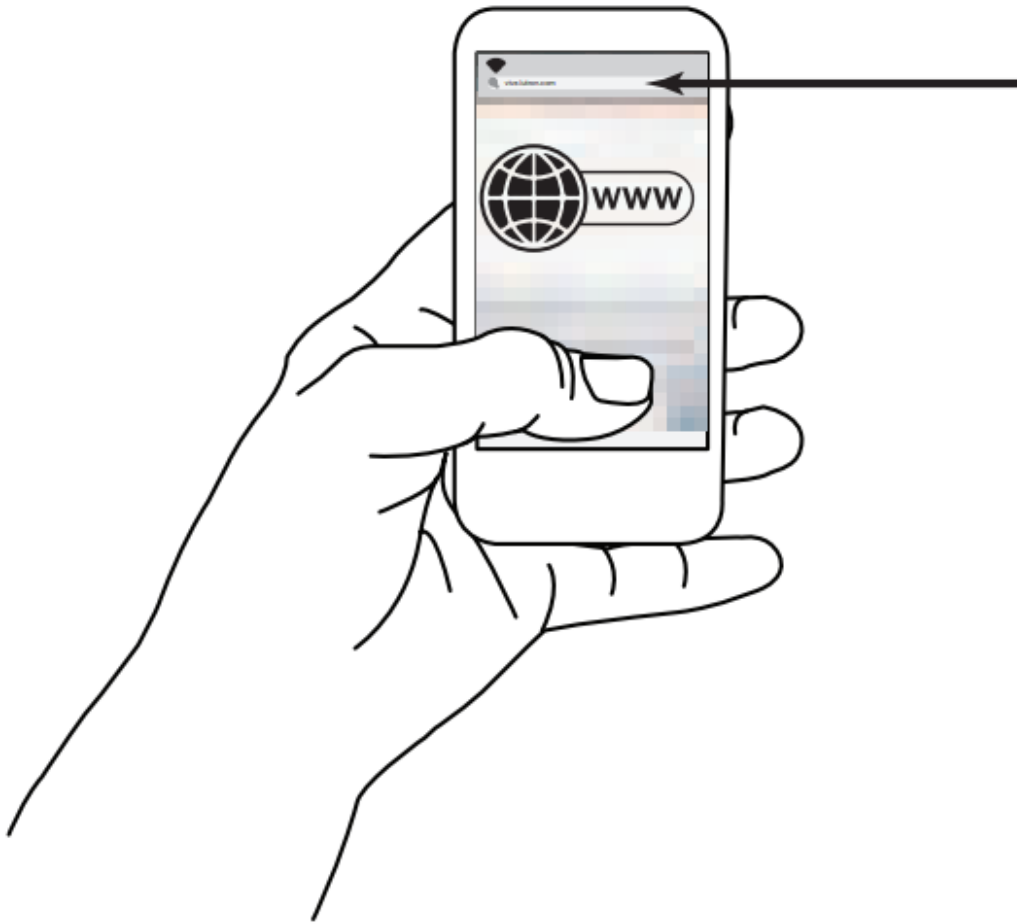

Programming with a Vive Hub

A Use and iOS or Android compatible device.

B Download the Lutron Vive app.

C Open the app and follow the instructions.

Note: For further information on set up, programming, and troubleshooting with a Vive system, please refer to the installation instructions included with the Vive hub or visit **www.lutron.com/vive-asia**
Note: For programming the PowPak Relay Module without a Vive hub see **Programming Without a Vive Hub** below.
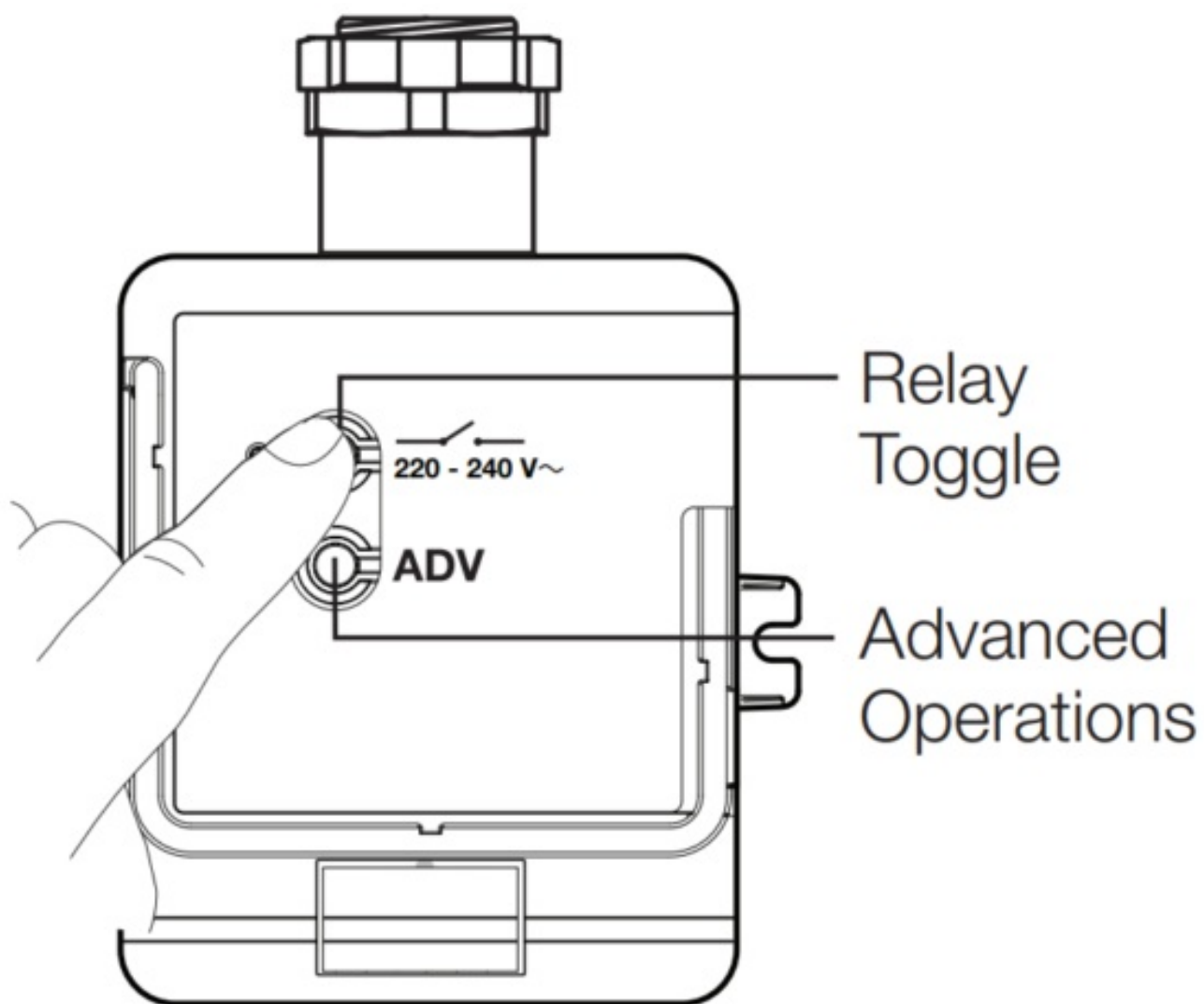
PowPak | Programming Without a Vive Hub

Associate Wireless Transmitters to PowPak Relay Module

Before beginning this step, make sure that there are no other PowPak modules being set up within the same building.
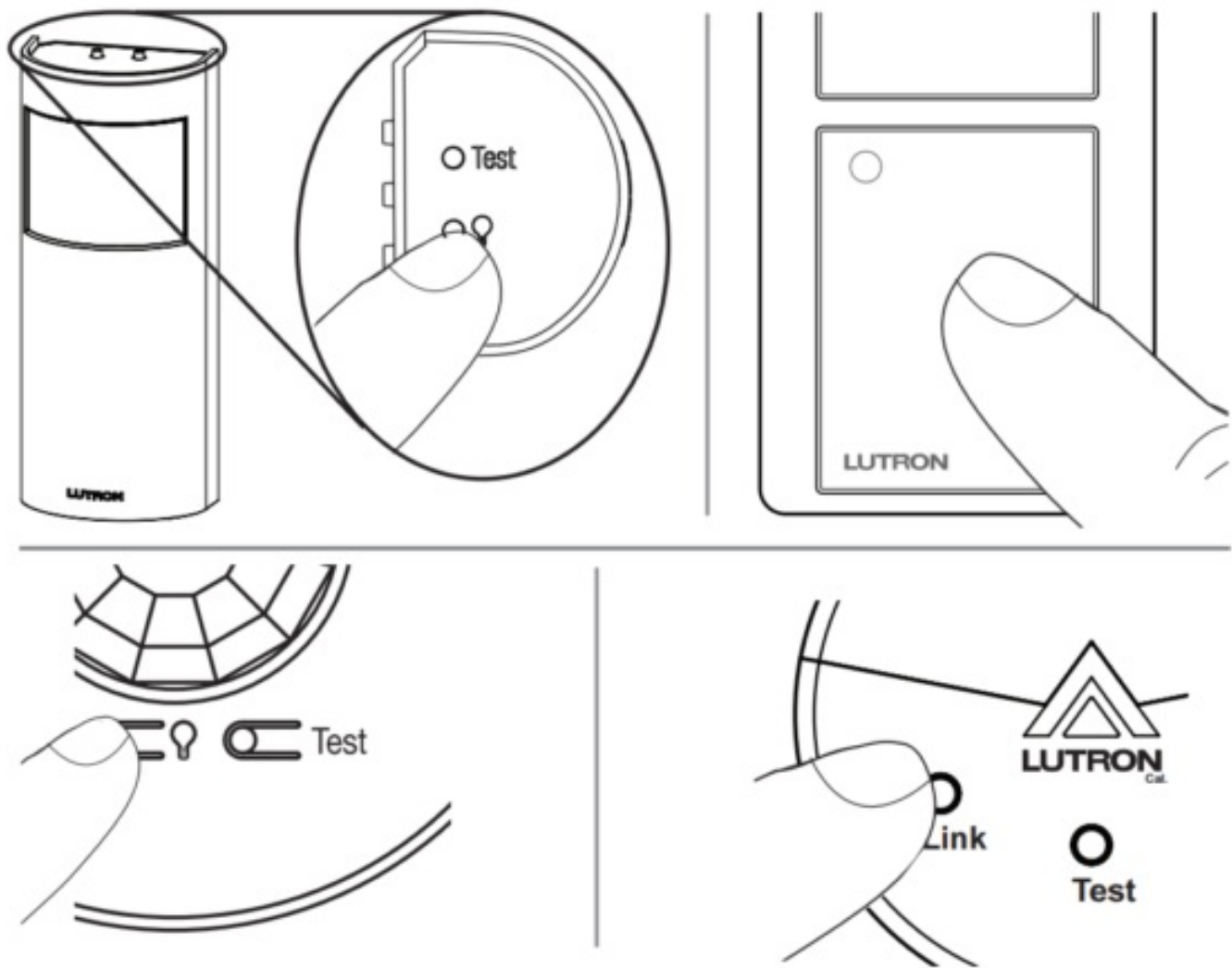It is possible that Wireless Transmitters from other systems can be incorrectly associated to this system.

A Hold the Relay Toggle button on the PowPak Relay Module for 6 seconds to enter association mode.

Relay Toggle

Advanced Operations

Note: The load will flash once after each step to confirm successful completion.

B Hold the indicated button on a Wireless Transmitter for 6 seconds to associate the device.* Repeat for any additional Wireless Transmitters.
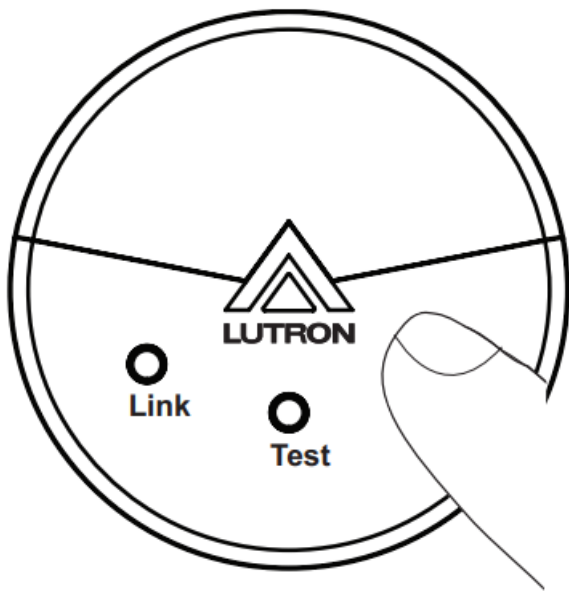
* If no 💡 button, hold "Lights Off" button.

C Hold the Relay Toggle button on the PowPak Relay Module for 6 seconds to save association(s).

D Permanently install wireless transmitters (consult individual component installation guides for information).

Calibrate the Radio Power Saver Daylight Sensor

Daylight Sensor will control all wired fixtures equally.

A Press and release the "Cal." button on the Daylight Sensor.

B Turn lights in room on using the Relay Toggle button on the PowPak Relay Module or an associated Pico wireless control.

C Press and hold the "Cal." button for 6 seconds.

D Exit room for 5 minutes to allow calibration to be completed.

Note: When calibration has completed, all lights will flash and begin to respond to daylight.

Reset Factory Defaults

Note: In some instances it may be necessary to reset the PowPak Relay Module back to factory default settings.

A Rapidly tap the Advanced Operations ("**ADV**") button on the Relay Module three times and hold on the fourth time until the LED begins to flash at a rate of approx. 2 blinks every 1 second and the relay will cycle on/off 3 times, then release the **ADV** button.

B Within 3 seconds of the start of flashing of the LED on the Relay module and the relay cycling, rapidly tap the **ADV** button on the Relay Module three times again. Make sure to release the **ADV** button after the third press.

C The LED will flash at a rate of 2 blink/3 seconds and the connected relay will cycle 3 times to indicate the unit has been reset to factory defaults.

Note: Any associations or programming previously set up with the unit will be lost and will need to be re-programmed.

Troubleshooting

www.lutron.com/vive

Load does not respond to Wireless Transmitter(s)	• Ensure breaker to the PowPak Relay Module is on. • Ensure the load has been properly wired to the PowPak Relay Module. • Ensure Wireless Transmitter is properly associated to PowPak Relay Module. • Ensure Wireless Transmitter's battery is installed correctly.
Wireless Transmitter(s) cannot be associated to PowPak Relay Module	• The maximum number of Wireless Transmitters have been associated to the PowPak Relay Module. To remove a previously set up Wireless Transmitter, tap the button used for association on the Wireless Transmitter three times, on the third tap hold for three seconds and then tap three more times.

Hereby, Lutron Electronics Co., Inc. declares that the radio equipment type RMNS-16R-DV-B is in compliance with Directive 2014/53/EU.
The full text of the EU declaration of conformity is available at the following internet address:
www.lutron.com/cedoc

Limited Warranty:
www.lutron.com/asia/ResourceLibrary/warranty/Limited%20Comm.pdf

Customer Assistance:
India: +91.124.4390130
Others: +1.610.282.3800
www.lutron.com/support

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LUTRON

Documents / Resources

	LUTRON RMNS-16R-DV-B Vive PowPak Relay Module with Softswitch [pdf] Installation Guide RMNS-16R-DV-B, Vive PowPak Relay Module with Softswitch

References

- 🌐 **Vive Reconnect | Lutron**
- ❀ **Lutron: Beautiful light. Intelligent Shades. Powerful Controls**
- ❀ **CE Declarations of Conformity Page**
- ❀ **Lutron Support Center | Lutron**
- ❀ **Vive - Commercial Wireless Lighting Control System | Lutron**

Manuals+,