

Ballasts cannot be controlled locally from PowPak Control Module

Wireless Transmitter(s) cannot be associated to PowPak Control

Lights are unstable at low-end or flash/flicker at turn-on or turn-off.

with DALI.

Module with DALI.

Lights do not dim as expected.

Lights do not respond to Wireless Transmitter(s).

• Ensure that the breaker(s) to the PowPak Control Module are energized.

• Ensure that Wireless Transmitters are associated to the PowPak Control Module

• Ensure that Wireless Transmitter(s) are within 9 m of the PowPak Control Module.

Ensure that Wireless Transmitter(s) are within 9 m of the PowPak Control Module

Ensure that the DALI control lines are wired to the lighting fixture(s).

• Ensure that DALI control lines are wired properly.

Reset to factory defaults.

Reset to factory defaults.

Unoccupied: All lights off.		
Daylight Sensor   All lights dim in response to daylight.		
Wireless Controls		
On	All lights 100%	
Favorite	All lights 50%	
Off	All lights off	
	e to daylight.	e to daylight. On All lights 100% Favorite All lights 50% Off All lights off

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Ensure that the breaker(s) to the PowPak Control Module and drivers/ballasts are energized.

• The maximum number of Wireless Transmitters have been associated to the PowPak Control Module. To remove a previously set up Wireless Transmitter, tap a Wireless Transmitter button three times; on the third tap hold for three seconds and then tap three more times.

# PowPak | Installation Programming without a Vive Hub Control Module with DALI

# Part of the Vive Family

## Start Here

- Associate Wireless Transmitters to PowPak Control Module with DALI 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 module.
- A On the PowPak Control Module, hold **Toggle** button "也" for 6 seconds until lights flash.

Both LEDs will begin flashing twice per second.



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**B** Hold the indicated button on each transmitter for 6 seconds. Lights will flash to show that wireless transmitters have been associated. LEDs also flash upon successful association.





- C On the PowPak Control Module, hold the Toggle button "也" for 6 seconds to save association. Lights will return to high-end and LEDs will stop flashing.
- **D** Permanently install wireless transmitters (consult individual component installation guides for information).

# Reset Factory Defaults

Note: In some instances, it may be necessary to reset the PowPak Control Module with DALI and connected devices back to factory default settings. Before beginning, make sure that all devices are connected and powered.

- A Triple-tap the **Toggle** button "U" on the PowPak Control Module and hold until both LEDs begin to flash slowly; release button.
- **B** Within 3 seconds of the start of flashing, triple-tap the same button again and the LEDs will flash rapidly indicating that the unit has been reset to factory defaults.

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

# Calibrate the Radio Powr Savr Daylight Sensor

# Daylight Sensor will control all wired fixtures equally.

- A Press and release the "Cal." button on the Daylight Sensor.
- **B** Set lights in room to desired light level.
- **C** Press and hold the "Cal." button for 6 seconds.
- D Exit room for 5 minutes to complete calibration.
- Note: When calibration has completed, all lights will flash and begin to respond to daylight.

# Multiple Daylight Rows (Optional)

For every row of daylighting a separate PowPak Control Module must be used. For detailed setup refer to the tuning section of the Radio Powr Savr Daylight Sensor installation guide.

Select the PowPak Control Module that you want to adjust by pressing the Toggle button.

Set a Favorite Light Level (Optional)

- For Pico remote controls with a Favorite Button.
- **A** Adjust lights to desired level:

Use the **Raise** button " $\triangle$ " or **Lower** button " $\bigtriangledown$ " on the Pico remote control.

B Save favorite level:

Press and hold the Favorite button for 6 seconds. The load will flash 3 times to confirm that the Favorite level is saved.

### Set Low-End Trim and High-End Trim (Optional) 4

For best results, minimize the amount of sunlight entering the room before performing the following procedures. Notes

Depending on the fixture manufacturer or load, low-end trim and high-end trim may need to be adjusted.

- Trim low-end to ensure a stable light level because some loads will flicker or drop out if trimmed too low.
- Be sure that you can turn on the lights to the low-end trim level without any abnormal operation.
- The factory default high-end trim is suitable for most applications but can be adjusted as desired.

# Low-End Trim

- A Enter low-end trim adjustment mode: Press and hold the **Lower** button " $\nabla$ " on the fixture control for 12 seconds. The lights will flash and the bottom LED will begin flashing.
- **B** Adjust the low-end trim: Use the **Raise** button "▲" and **Lower** button "∇" on the PowPak Control Module to adjust and set the lights to the desired low-end (0.1 to 45%).
- Note: Low-end depends on the minimum output of connected drivers or ballasts.
- **C** Save the low-end trim: Press and hold the **Toggle** button "U" for 6 seconds to save setting. The bottom LED will begin flashing and then turn solid to indicate new level has been saved.

# **High-End Trim**

- A Enter high-end trim adjustment mode: Press and hold the **Raise** button "A" on the fixture control for 12 seconds. The lights will flash and the top LED will begin flashing.
- **B** Adjust the high-end trim: Use the Raise button "▲" and Lower button "∇" on the PowPak Control Module to adjust and set the lights to the desired high-end (55 to 100%).
- **C** Save the high-end trim: Press and hold the **Toggle** button "U" for 6 seconds to save setting. The load status LED will begin flashing and then turn solid to indicate new level has been saved.



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- Set Minimum Light Level (Optional) 5 activate Minimum Light Level mode.
  - A Enter minimum light level adjustment mode: high-low-high and both LEDs will begin flashing.
  - **B** Change the minimum light level:
  - **C** Save the minimum light level: new level has been saved.



- Set Occupancy Light Levels (Optional)
- A Set desired occupancy light levels: (will function as vacancy only).
- **B** Save occupancy light levels:



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Hereby, Lutron Electronics Co., Inc. declares that the radio equipment type RMNS-DAL32-SZ and RMNS-DAL4-SZ 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

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Certain applications (e.g., hallways), may require that the lights never turn off. For these areas,

Press and hold **Toggle** button " $\phi$ " and **Lower** button " $\nabla$ " for 12 seconds. Lights will flash

If lights stop flashing and turn off, the minimum light level is set to OFF (default).

If lights stop flashing and go to low-end, the minimum light level is ON and set to low-end.

Press Raise button "A" to set minimum light level to low-end.

Press Lower button "v" to set minimum light level to OFF.

Press and hold **Toggle** button "U" for 6 seconds. Both LEDs will quickly flash to indicate that the

Note: Unoccupied light level is always the minimum light level and cannot be adjusted.

Use the **Raise/Lower** buttons " $\Lambda/\nabla$ " on the PowPak Control Modules or the **Raise/Lower** buttons " $\Delta/\nabla$ " on associated Pico Remote Controls to adjust lights to the desired level.

Note: Setting lights to OFF during this step will make that control module unaffected by occupancy

Press and hold Test button for 6 seconds on any associated Radio Powr Savr Occupancy Sensor without a Lights On button. Release when Sensor lens starts to flash.





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