

PowPak | Installation

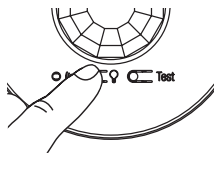
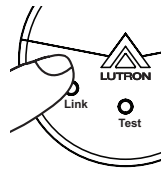
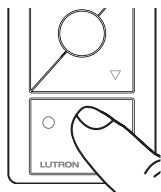
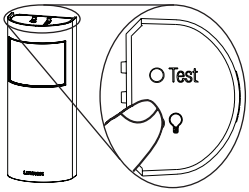
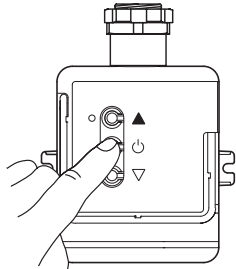
Programming without a Vive Hub

Control Module with DALI

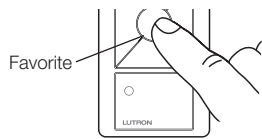
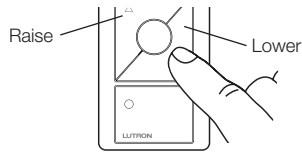
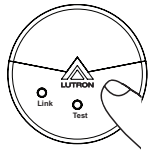
Part of the Vive Family

Start Here

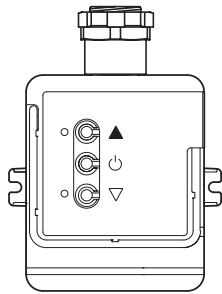
- 1 Associate Wireless Transmitters to PowPak Control Module with DALI**
- Before beginning this step, make sure that there are no other PowPak modules being set up within the same building. It is possible that wireless transmitters from other systems can be incorrectly associated to this module.
- A** On the PowPak Control Module, hold **Toggle** button “⏻” for 6 seconds until lights flash.
- Both LEDs will begin flashing twice per second.
- 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 “⏻” 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).



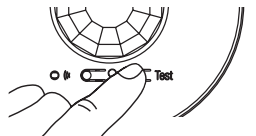
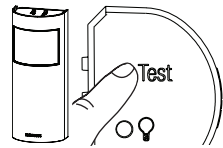
- 2 Calibrate the Radio Powr Savr Daylight Sensor**
- Daylight Sensor will control all wired fixtures equally.
- A** Press and release the “Cal.” button on the Daylight Sensor.
- B** Set lights in room to desired light level.
- C** Press and hold the “Cal.” button for 6 seconds.
- D** Exit room for 5 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.
- 3 Set a Favorite Light Level (Optional)**
- For Pico remote controls with a **Favorite** Button.
- A** Adjust lights to desired level:
- Use the **Raise** button “▲” or **Lower** button “▼” 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.



- 4 Set Low-End Trim and High-End Trim (Optional)**
- 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 “▼” 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 “⏻” for 6 seconds to save setting. The bottom LED will begin flashing and then turn solid to indicate new level has been saved.



- 5 Set Minimum Light Level (Optional)**
- Certain applications (e.g., hallways), may require that the lights never turn off. For these areas, activate Minimum Light Level mode.
- A** Enter minimum light level adjustment mode:
- Press and hold **Toggle** button “⏻” and **Lower** button “▼” for 12 seconds. Lights will flash high-low-high and both LEDs will begin flashing.
- 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.
- B** Change the minimum light level:
- Press **Raise** button “▲” to set minimum light level to low-end.
- Press **Lower** button “▼” to set minimum light level to OFF.
- C** Save the minimum light level:
- Press and hold **Toggle** button “⏻” for 6 seconds. Both LEDs will quickly flash to indicate that the new level has been saved.
- 6 Set Occupancy Light Levels (Optional)**
- Note:** Unoccupied light level is always the minimum light level and cannot be adjusted.
- A** Set desired occupancy light levels:
- Use the **Raise/Lower** buttons “▲/▼” on the PowPak Control Modules or the **Raise/Lower** buttons “▲/▼” 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 (will function as vacancy only).
- B** Save occupancy light levels:
- 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.



- ### 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** Rapidly tap the **Toggle** button “⏻” on the PowPak Control Module three times and hold on the fourth time until the LED begins to flash at a rate of approx. blinks every 1 second; then release the **Toggle** button.
- B** Within 3 seconds of the start of flashing of the LED on the PowPak, rapidly tap the **Toggle** button on the PowPak Control Module three times again. Make sure to release the **Toggle** button after the third press.
- C** The LED will flash at a rate of 2 blink/3 seconds and the connected load 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.

Customer Assistance:
China: 400-046-3600
Other Countries: +1.610.282.3800
www.lutron.com/support

Limited Warranty: www.lutron.com/en-US/ResourceLibrary/warranty/Limited%20Comm.pdf

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

PowPak | 安装

DALI调光模块

Vive系列产品

041721

版本 A

06/2019

RMMS-DAL4-SZ

RMMS-DAL32-SZ

220–240 V~ 50/60 Hz 50 mA

DALI控制信号: 18 V==

可确保的供电电流:

• 4驱动器控制模块 8 mA (RMMS-DAL4-SZ)

• 32驱动器控制模块 64 mA (RMMS-DAL32-SZ)

最大供电电流: 250 mA

重要提示: 安装前请务必阅读。

• 需要有资质的电工根据当地或国家电气规范进行安装。

• 使用铜线安装。

• 检查所安装设备的型号和额定功率是否符合安装标准。

• 产品如有可视破损请勿安装。

• 如果产品有明显的受潮或冷凝状况，待产品完全干燥后进行安装。

• 工作环境温度 0 °C - 40 °C 。

• 0% - 90% 湿度, 无冷凝。

• 仅用于室内。

中文

默认功能

占空传感器

LUTRON

LUTRON

0 8 16 24 32 40 48 56 64 72 80 88 96 100

占用时: 所有灯光100%全亮。
空置时: 所有灯光关闭。

日光传感器

所有灯光根据日光强度自动调暗。

无线控制器

开

所有灯光 100%

预设键

所有灯光 50%

关

所有灯光关闭

所需设备组件

每个系统确保含有:

一个 PowPak控制模块

至少一个无线发射器

上方LED

下方LED

调亮

开关

调暗

+

➡

Radio Powr Savr占空传感器
(至多10个)

LUTRON

0 8 16 24 32 40 48 56 64 72 80 88 96 100

Pico遥控器
(至多10个)

LUTRON

0 8 16 24 32 40 48 56 64 72 80 88 96 100

Radio Powr Savr日光传感器
(至多1个)

LUTRON

0 8 16 24 32 40 48 56 64 72 80 88 96 100

从这里开始

1 安装, 接线, 并安装DALI驱动器和照明灯具

查阅第三方设备的安装指南

警告! 触电危险.可能导致严重伤害或者死亡。安装之前务必将断路器处于关闭 (OFF) 状态。

A 将供电线路（火线，零线）与各个灯具连接。

B 将DALI信号线连接至各个灯具。

3 通过Vive主机编程

A 在智能设备上打开Wi-Fi设置。

B 选中Vive主机标签所示Wi-Fi名称。

C 打开浏览器 (Safari®, Chrome™, 等), 输入网址vive.lutron.com

D 根据您的智能设备屏幕上所显示的提示进行系统设置。

注意: 更多关于Vive主机设置、编程及故障排除信息，请参阅Vive主机所附的安装指南或者登陆路创网站 www.lutron.com/vive

注意: 在没有Vive主机的情况下对PowPak控制模块进行编程，请查阅下一页“无Vive主机编程方法”。

客户支持

www.lutron.com/asia

至少1个 DALI LED 驱动器或荧光镇流器

请参照第三方DALI灯具的安装指导进行接线。此模块可以通过导管螺母或紧固螺丝安装在灯具/格栅灯盘、接线盒或配线箱上。设备不可安装在灯具/格栅灯盘内部或其他金属外壳内。安装不当会削弱无线通讯信号并导致间歇性或持续性的通讯故障。此种情况将无法获得质保。如何正确安装及接线，请查阅路创应用指南#620 (文档号 048620)。

可确保的控制线供电能力为8 mA / 64 mA (根据不同型号)。驱动器可能已预装于灯具内部。

故障排除

驱动器无法被PowPak DALI模块上的按键控制。	• 确保断路器至PowPak控制模块已通电。 • 确保DALI控制信号线与照明灯具连接正确。
灯光没有像预期那样被调暗。	恢复出厂设置 • 确保DALI控制信号线连接正确。
灯光未对无线发射器的指令作出响应。	• 确保断路器至PowPak控制模块以及驱动器/镇流器已通电。 • 确保无线设备已关联至PowPak控制模块。 • 确保无线设备距离PowPak控制模块9 m以内。
灯光在低端时输出不稳定，或在打开/关闭时有闪烁现象。	恢复出厂设置 • 调整低端修正。
无法将无线发射器关联至PowPak DALI控制模块。	• 确保无线发射器与PowPak控制模块距离9 m以内。 • 已达到可关联无线发射器的数量上限。要删除一个已关联的无线发射器，快速点击无线发射器上的按键3次，并在第三次点击时按住3秒，随后再次点击三次。

LUTRON

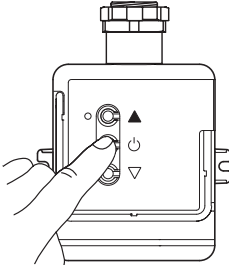
Lutron GL Ltd | 15 Hoe Chiang Road
#07-03 – Tower Fifteen | Singapore 089316

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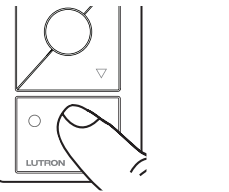
将无线发射器关联至PowPak DALI控制模块

在开始此步骤之前，确保同一幢楼内没有同时在设置其他PowPak控制模块。其他系统的无线发射器可能会被错误地关联至此模块。

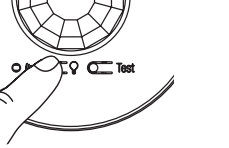
- A

长按PowPak控制模块上的**开关按钮**“
- B

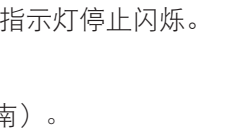
按住无线发射器上所示按钮6秒。灯光开始闪烁表示无线传感器已被关联。LED指示灯也会开始闪烁提示关联成功。



- C

长按PowPak控制模块**开关按钮**“
- D

将无线发射器永久性安装到位（相关信息请查阅相关设备安装指南）。



恢复出厂设置

注意: 在某些情况下，可能需要将PowPak DALI控制模块及连接的设备恢复至出厂设置。在开始此操作之前，确认所有设备已连接并上电。

A

快速点击PowPak控制模块上的**开关按钮**“

2

校验Radio Powr Savr日光传感器

日光传感器以同一方式控制所有连接的灯具。

A

按下日光传感器上的“Cal.” 按键后松开。

B

将房间的灯光调整到所期望的亮度。

C

长按“Cal.” 按钮6秒。

D

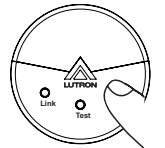
离开该房间5分钟待传感器完成校验。

注意: 校验完成后，所有灯光将闪烁并开始对日光做出响应。

多个日光阵列 (可选)

单个日光阵列必须有其独立的PowPak控制模块，具体设置请参考Radio Powr Savr 日光传感器安装指南中调试章节。

- 按下开关按钮以选择所要校验的PowPak控制模块。



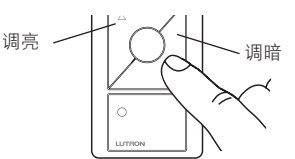
3

设置预设亮度(可选)

带有**预设键**的Pico遥控器

A

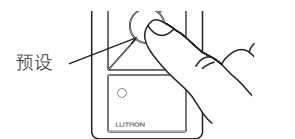
将光亮调整到所期望的亮度:

使用Pico遥控器上的**调亮按钮**“

B

保存预设值:

长按**预设键**6秒直到灯光闪烁3次表示预设亮度已保存。



4

设置低端修正和高端修正(可选)

为了达到最好效果，在进行以下步骤之前，尽量减少照射进房间内的太阳光。

注意:

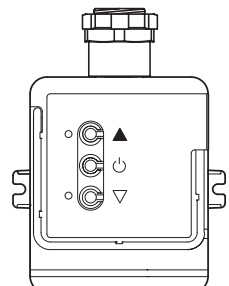
低端修正和高端修正可能需要根据灯具厂商或者负载不同进行调整。

- 可修正的低端亮度能够确保灯具有稳定的输出亮度。一些灯具若修正太低，会出现闪烁或突灭的状态。
- 确保灯光可被正常打开至低端亮度而无任何异常现象。
- 出厂默认的高端修正适用于大多数应用，但也可以根据要求调整。

低端修正

A

进入低端修正设置模式:

长按控制器上**调暗按钮** “

高端修正

A

进入高端修正设置模式:

长按控制器**调亮按钮** “

5

设置灯光最低亮度 (可选)

一些区域（比如走廊）可能会需要保持灯光常亮。对这类区域, 可启用灯光最低亮度模式。

A

进入灯光最低亮度调整模式:

同时按住**开关按钮** “

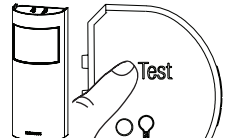
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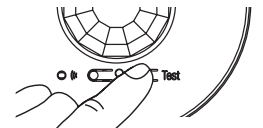
设置空间被占用时的自动开灯亮度(可选)

注意: 空间空置时的自动关灯亮度始终为最低亮度且不可更改。

A

设置占用时的自动开灯亮度:

使用PowPak控制模块上的**调亮/调暗按钮**“



客服热线:

中国: 400-046-3600

其他国家: +1.610.282.3800

www.lutron.com/support

有限质保: www.lutron.com/en-US/ResourceLibrary/warranty/Limited%20Comm.pdf

特此声明: 路创电子有限公司无线设备型号RMMS-DAL32-SZ 和RMMS-DAL4-SZ 遵从2014/53/EU指令。

以下网址可查阅完整的欧盟符合性声明: www.lutron.com/cedoc

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