

PowPak | Installation

Part of the Vive Family

RMMS-CCO1-24-B

24 V~ 45 mA
24 V= 35 mA

Note for Replacement:

RMxS - the "S" model can replace the non-"S" model

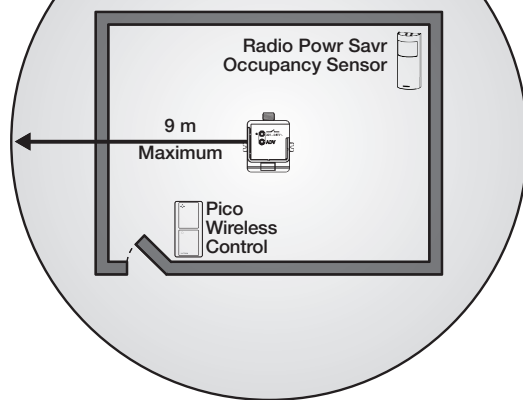
Important Notes: Please read before installing.

- For installation by a qualified electrician in accordance with all local and national electrical codes.
- Note:** Use copper conductors only.
- The 24 V~ or 24 V= supply and load shall be provided via an approved power source in accordance with IEC/EN61558-2-6.
- 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.

PowPak CCO Module

Install in center of room to maximize RF coverage.

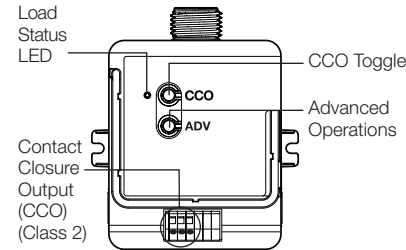


All Wireless Transmitters must be installed within 9 m of the PowPak CCO Module.

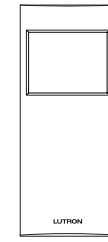
Required Components

For each system ensure you have:

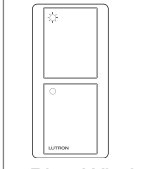
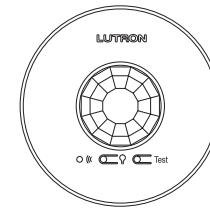
- At least one PowPak CCO Module
- At least one Wireless Transmitter



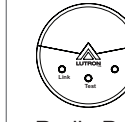
At least one Wireless Transmitter



Radio Powr Savr Occupancy Sensor (10 maximum)



Pico Wireless Control (10 maximum)



Radio Powr Savr Daylight Sensor (1 maximum)

Start Here

1 Install PowPak CCO Module

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

- Install the 1/2 in NPT to 20 mm conduit adapter (provided) onto the PowPak CCO Module (optional).
- The PowPak CCO 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.
- Once installed, energize the PowPak CCO Module.
- Use the CCO Toggle button to toggle between high-end and OFF to verify wiring.

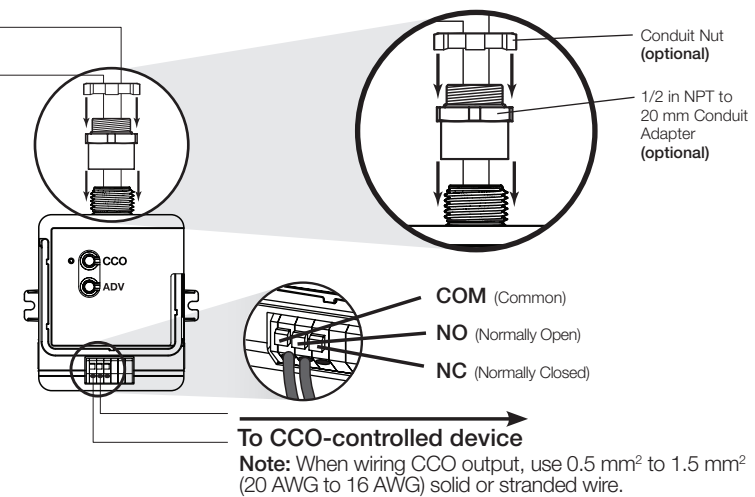
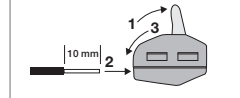
Supply Voltage

24 V~/24 V=

Note: CCO Module supply wires can be connected in any polarity.

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.



To CCO-controlled device

Note: When wiring CCO output, use 0.5 mm² to 1.5 mm² (20 AWG to 16 AWG) solid or stranded wire.

2 Programming with a Vive Hub

- Open the Wi-Fi settings on a smart device.
- Select the Wi-Fi SSID (Wi-Fi network name) as shown on the Vive hub label.
- Open a browser (Safari, Chrome, etc.) and type vive.lutron.com into address bar.
- Follow the instructions on the screen of your smart device to set up the system.

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

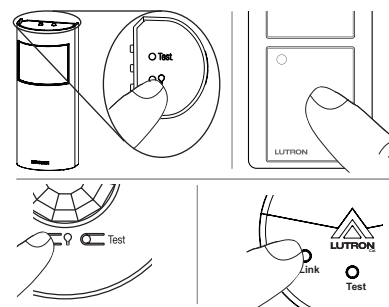
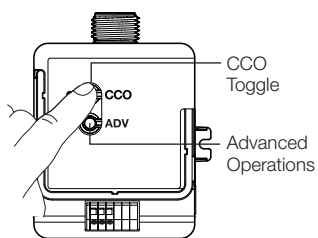
Note: For programming the PowPak CCO Module without a Vive hub see **Programming Without a Vive Hub** below.

PowPak | Programming Without a Vive Hub

1 Associate Wireless Transmitters to PowPak CCO 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.

- Hold the CCO Toggle button on the PowPak CCO Module for 6 seconds to enter association mode.
 - Note:** The CCO will open and close once after each step to confirm successful completion.
- 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.

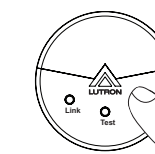


- Hold the CCO Toggle button on the PowPak CCO Module for 6 seconds to save association(s).
- Permanently install wireless transmitters (consult individual component installation guides for information).

2 Calibrate the Radio Powr Savr Daylight Sensor

Daylight Sensor will control all wired fixtures equally.

- Press and release the "Cal" button on the Daylight Sensor.
- Turn lights in room on using the CCO Toggle button on the PowPak CCO Module or an associated Pico wireless control.
- Press and hold the "Cal." button for 6 seconds.
- 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.



CCO Information

- This product features a single contact closure output with both normally open (NO) and normally closed (NC) dry contacts.
- The CCO incorporates maintained output behavior only.
- The CCO is rated to switch resistive loads at voltages up to 24 V only. To properly control inductive load types such as relays, solenoids, or motors, refer to Application Note #434.

Transmitting Device	Transmitted Command	CCO Default Action
Pico Wireless Control	On	NO = Close, NC = Open
	Off	NO = Open, NC = Close
	Raise	NO = Close, NC = Open
	Lower	No Action
Radio Powr Savr Occupancy Sensor	Occupied	NO = Close, NC = Open
	Unoccupied	NO = Open, NC = Close
Radio Powr Savr Vacancy Sensor	Occupied	No Action
	Unoccupied	NO = Open, NC = Close
Radio Powr Savr Daylight Sensor	Ambient light below target level	NO = Close, NC = Open
	Ambient light above target level	NO = Open, NC = Close

Reset Factory Defaults

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

- Rapidly tap the Advanced Operations ("ADV") button on the CCO 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, then release the ADV button.
 - Within 3 seconds of the start of flashing of the LED on the CCO module, rapidly tap the ADV button on the CCO module three times again. Make sure to release the ADV button after the third press.
 - The LED will flash at a rate of 2 blink/3 seconds 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

Issue	Solution
CCO-controlled device does not respond to Wireless Transmitter(s)	<ul style="list-style-type: none"> Ensure breaker to the PowPak CCO Module is on. Ensure the CCO-controlled device has been properly wired to the PowPak CCO Module. Ensure Wireless Transmitter is properly associated to PowPak CCO Module. Ensure Wireless Transmitter's battery is installed correctly.
Wireless Transmitter(s) cannot be associated to PowPak CCO Module	<ul style="list-style-type: none"> The maximum number of Wireless Transmitters have been associated to the PowPak CCO 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 RMMS-CCO1-24-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/en-US/ResourceLibrary/warranty/Limited%20Comm.pdf

Customer Assistance:
China: +86.21.61650990
Others: +1.610.282.3800
www.lutron.com/support

PowPak | 安装

CCO 触点信号输出模块

Vive系列产品

041720
版本: A
06/2019

RMMS-CCO1-24-B

24 V~ 45 mA
24 V= 35 mA

替换说明:

RMxS - 带 "S" 的型号可用于替换无 "S" 型号

重要提示: 安装前请务必阅读。

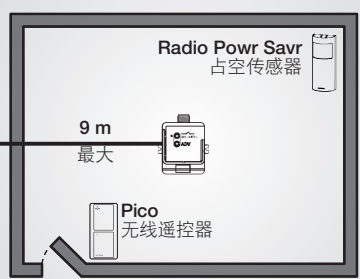
- 需要有资质的电工根据当地或国家电气规范进行安装。
- **注意:** 使用铜线安装。
- 24 V~ 或 24 V= 供电和负载需要由符合IEC/EN61558-2-6的电源提供。
- 检查所安装设备的型号和额定功率是否符合安装标准。
- 产品如有可视破损请勿安装。
- 如果产品有明显的受潮或冷凝状况, 待产品完全干燥后进行安装。
- 工作环境温度 0 °C - 55 °C。
- 0% - 90% 湿度, 无冷凝。
- 仅用于室内。



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。

PowPak CCO 模块

安装在房间正中可使射频范围最大化

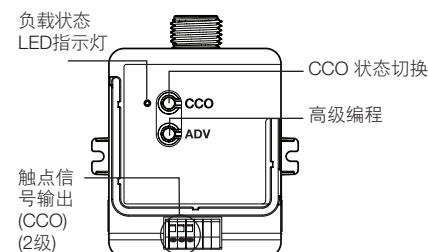


所有无线传感器和遥控器必须安装在所关联控制模块的9 m以内

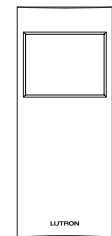
所需设备组件

每个系统确保含有:

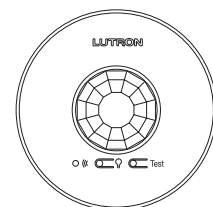
至少一个PowPak CCO控制模块



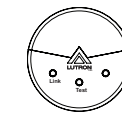
至少一个无线发射器



Radio Power Savr 占空传感器 (至多10个)



Pico遥控器 (至多10个)



Radio Power Savr日光传感器 (至多1个)

从这里开始

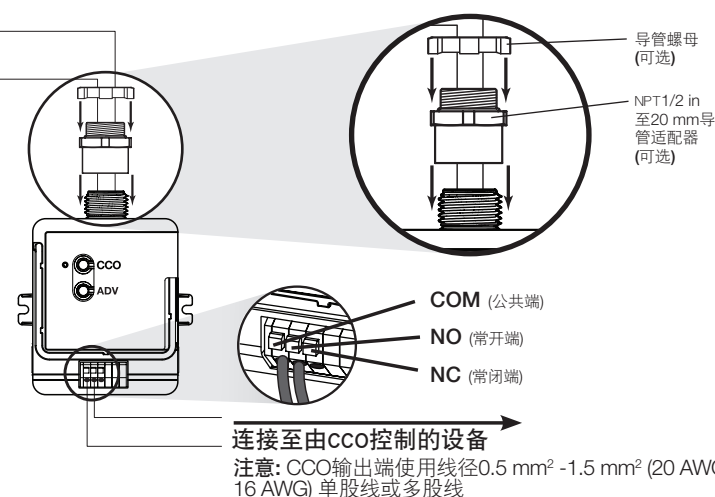
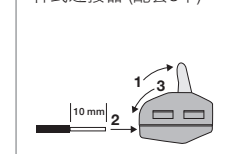
1 安装PowPak CCO模块

建议安装位置: 房间中间以确保合适的射频覆盖范围。

- 在PowPak CCO模块上安装NPT1/2 in至20 mm导管适配器 (配套提供)。
- 模块可以通过导管螺母(配套提供) 或紧固螺丝 (自备) 安装在接线盒或配线箱上。请查阅当地和国家电气规范进行正确安装。
- 安装完成后, 为PowPak CCO模块上电。
- 使用CCO状态切换按钮切换高亮与关闭状态以检测验证控制接线。

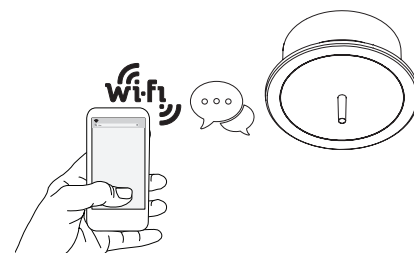
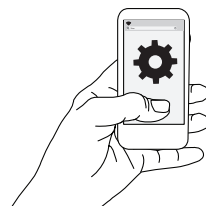
供电电源
24 V~/24 V=
注意: CCO 模块电源
接线无极性区分

压杆式连接器的接线方式
使用2.5 mm² 至4.0 mm²
(14 AWG 至 12 AWG)的标
准铜线连接至所提供的压
杆式连接器 (配套3个)

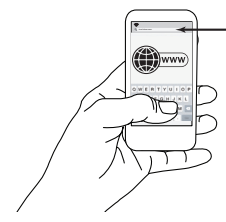


2 通过Vive主机编程

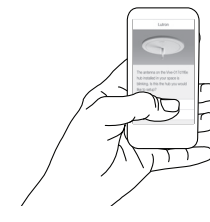
- 在智能设备上打开Wi-Fi设置
- 选中Vive主机标签所示Wi-Fi名称。



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



- 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网站 www.lutron.com/vive

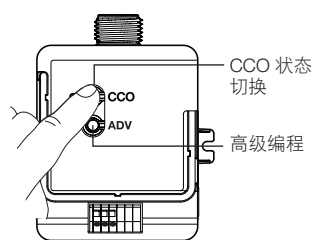
注意: 在没有Vive主机的情况下对PowPak CCO控制模块进行编程, 请查阅下方“无Vive主机编程方法”。

PowPak | 无主机编程

1 将无线发射器关联至PowPak CCO 模块

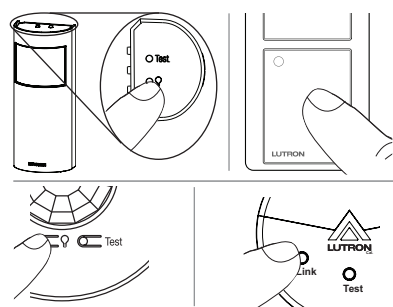
在开始此步骤之前, 确保同一幢楼内没有同时在设置其他PowPak控制模块。其他系统的无线发射器可能会被错误地关联至此模块。

- 按住CCO 状态切换按钮6秒进入配对模式



注意: CCO 在每个步骤后都将断开/闭合一次以确认操作成功。

- 按住无线发射器上所示按钮6秒以关联设备。在其他重要关联的设备上重复该操作



* 如果没有 按钮, 按住 "Lights Off" 按钮。

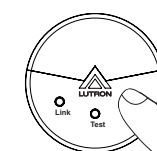
- 按住CCO状态切换按钮6秒以保存关联配置。

- 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)。

2 校验Radio Power 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。

- 按下日光传感器上的“Cal.” 按键后松开。
- 使用PowPak CCO模块上的状态切换按钮或关联的遥控器打开房间内灯光



- 长按“Cal.” 按钮6秒。
- 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。

客户支持

www.lutron.com/asia

CCO 信息

- 单个干触点信号输出, 同时包含常开端 (NO) 和常闭端 (NC)。
- CCO 仅支持持续性信号输出模式。
- CCO 仅可用于阻性负载的开关, 最大24 V。正确控制如继电器、线圈、电机等感性负载, 请参阅应用说明: #434。

开关电压	阻性负载
0-24 V~	1.0 A
0-24 V=	0.5 A

指令发送设备	传输指令	CCO 默认动作
Pico 遥控器	开	NO = 闭合, NC = 断开
	关	NO = 断开, NC = 闭合
	调亮	NO = 闭合, NC = 断开
	调暗	无动作
Radio Power Savr 占空传感器	占用	NO = 闭合, NC = 断开
	空置	NO = 断开, NC = 闭合
Radio Power Savr 空置传感器	占用	无动作
	空置	NO = 断开, NC = 闭合
Radio Power Savr 日光传感器	环境光低于目标值	NO = 闭合, NC = 断开
	环境光高于目标值	NO = 断开, NC = 闭合

恢复出厂设置

注意: 在某些情况下, 可能需要将PowPak CCO模块恢复至出厂设置。

- 快速点击CCO模块上的高级编程按钮 (“ADV”) 三下, 在第四次点击时按住直到LED指示灯开始按每秒2次的频率闪烁, 然后松开按钮。
- 在CCO模块的LED指示灯开始闪烁后的3秒钟内, 再次快速点击模块上的ADV按钮三次, 并确保在第三次点击后松开。
- LED指示灯开始以每3秒2次的频率闪烁, 表示该设备已恢复出厂设置。

注意: 任何与该设备相关的关联配置与编程将丢失, 需要重新编程。

故障排除

www.lutron.com/vive

由CCO控制的设备未对无线发射器的指令作出响应

- 确保断路器至PowPak CCO模块呈通电状态。
- 确保CCO所控制的设备与PowPak CCO模块已正确连接。
- 确保无线设备已正确关联至PowPak CCO模块。
- 确保无线设备的电池已正确安装。

无法将无线发射器关联至PowPak CCO 模块

- 已达到PowPak CCO模块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。

特此声明: 路创电子有限公司无线设备型号RMMS-CCO1-24-B 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

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

客服热线:
中国: 400-046-3600
其他国家: +1.610.282.3800
www.lutron.com/support