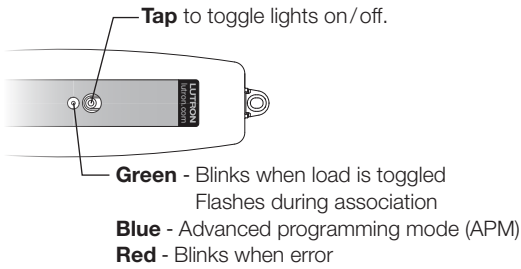# vive

English

Reverse-Phase In-Line Dimmer

RMMS-250NE
220–240 V∼ 50/60 Hz

1 A 150 W LED

1 A 250 W Incandescent/Halogen/ELV

If using LED bulbs, we recommend that they are Lutron compatible.

For the list of compatible LED bulbs, please visit www.lutron.com/LEDfinder

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Operation

Tap to toggle lights on/off.

Green - Blinks when load is toggled
Flashes during association
Blue - Advanced programming mode (APM)
Red - Blinks when error

Error Codes – Red

Blink pattern ☀ = on ○ = off	Probable Cause
☀○○○○☀○○○○	• Wiring error. Product may be permanently damaged.
☀☀○○☀☀○○	• Unsupported load type (dimmer not rated for MLV loads).
☀☀☀○☀☀☀○	• Wiring error. • Load may be shorted. • Circuit has too much load.
☀☀☀☀○☀☀☀☀○	• Circuit has too much load. • Inadequate ventilation around the in-line dimmer.

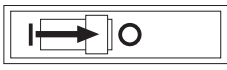
Help

China: **400.046.3600**

Others: **+1.610.282.3800**

Fax: **+1.610.282.6311**

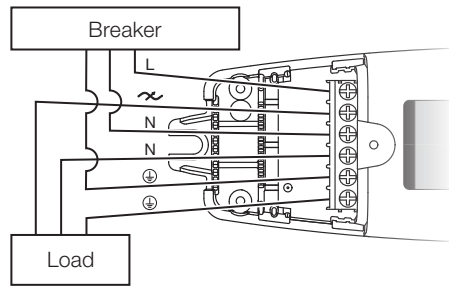**www.lutron.com/support**

LUTRON

Installing the in-line dimmer

1 Turn OFF power at circuit breaker or remove fuse

WARNING: ELECTRIC SHOCK HAZARD.
May result in Serious Injury or Death. Always isolate the mains power supply or remove fuse before servicing or installing.
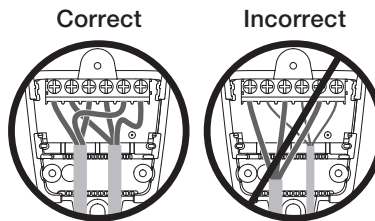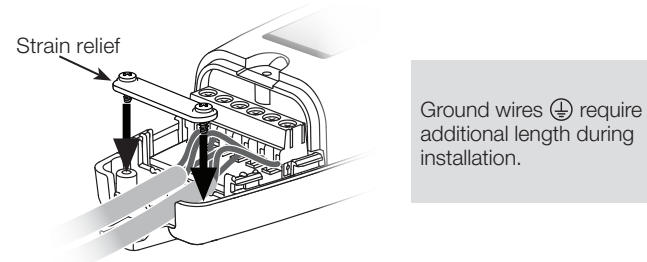
2 Connect wires

Breaker

Load

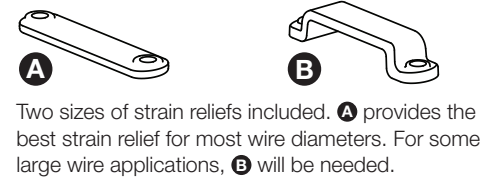L = Line/Hot
⏚ = Earth
N = Neutral
∼ = Dimmed Line/Hot

5 mm (0.2 in)

Products must be installed in accordance with the latest building and IEE wiring regulations.

3 Install strain relief and tighten screws

Strain relief

Ground wires ⏚ require additional length during installation.

Correct   **Incorrect**

A   **B**

Two sizes of strain reliefs included. **A** provides the best strain relief for most wire diameters. For some large wire applications, **B** will be needed.

Note: All outside wire diameters must be the same and must be between 5.2–8.5 mm (0.2–0.33 in).

4 Install endcap and screw

5 Install in-line dimmer

The in-line dimmer must be installed in an adequately ventilated area as shown below without heat generating equipment, or obstructions.

Notes:
• For optimal RF performance, no metal or other electrically conductive material should be present within 120 mm (4.7 in) around the top and sides of the in-line dimmer.
• The in-line dimmer is not suitable for installation in places where it is fully enclosed in metal (e.g., metal enclosures, electrical cabinets).

Insulation
Insulation
120 mm (4.75 in)
ø50 mm (2.0 in)
26 mm (1.0 in)
105 mm (4.2 in)
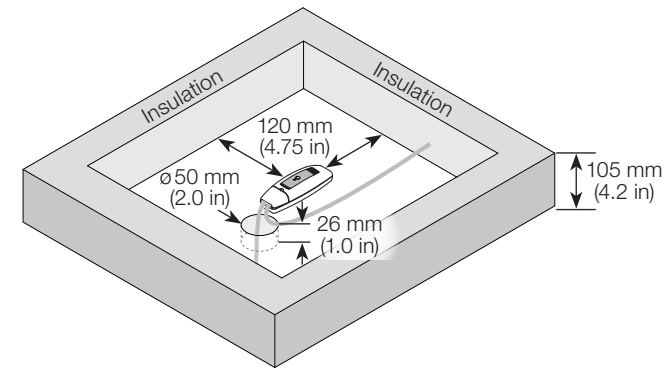
6 Turn ON power at circuit breaker or install fuse
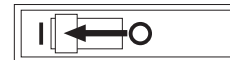
Programming with a Vive Hub

A Open the Wi-Fi settings on your smart device.

B Select the Wi-Fi SSID (Wi-Fi network name) as shown on the Vive hub label.

C Open a browser (Safari®, Chrome™, etc.) and type vive.lutron.com into address bar.

D 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

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Programming without a Vive Hub

Before beginning this step, make sure that there are no other RF devices 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 button on the in-line dimmer for 6 seconds to enter association mode.
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.

Note: Dimmer must be located within 18 m (60 ft) line-of-sight or 9 m (30 ft) through walls of a Pico wireless control or Radio Powr Savr sensor.

C Hold the button on the in-line dimmer for 6 seconds to save association(s).

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

IMPORTANT

1. CAUTION: Use only with permanently installed fixtures. To avoid overheating and possible damage to other equipment, do not use to control receptacles.
2. Install in accordance with all national and local electrical codes.
3. For indoor use only between 0 °C and 40 °C (32 °F and 104 °F); 0%–90% humidity, non-condensing.
4. The in-line dimmers are not rated for MLV loads and are only compatible with reverse-phase loads. Magnetic low voltage (MLV) loads require a forward-phase device or a switch for proper operation.

Troubleshooting

Symptoms	Probable cause
Load does not turn on.	• Light bulb(s) burned out. • Breaker is OFF or tripped. • Light not properly installed. • Wiring error. • Error has occurred. See **Error Codes** section for more information.
Light does not respond to Pico wireless control or Radio Powr Savr wireless sensor.	• System devices are too far apart. A Vive hub may be needed to extend the wireless range. • The in-line dimmer is already at the light level the Pico wireless control is sending. • The Pico wireless control is outside the 9 m (30 ft) operating range. • The Pico wireless control battery is low. • The Pico wireless control battery is installed incorrectly. • Error has occurred. See **Error Codes** section for more information.
• Bulbs turn off while being dimmed. • Bulbs turn on at high light level but do not turn on at a low light level. • Bulbs flicker or flash when dimmed to a low light level.	• Verify LED bulbs are marked dimmable. Visit www.lutron.com/LEDfinder for a list of recommended LED bulbs. • Low-end trim may need to be adjusted for best LED bulb performance. Trim can be adjusted using the Vive hub programming software.

Return to Factory Settings

1. Quickly triple tap the button on the in-line dimmer, holding on the third tap.
2. Once the load starts to flash, release the button and immediately triple tap it again.
3. The load will flash and the in-line dimmer will be returned to factory settings.

Adusting Low-End and High-End Trim

Please refer to Lutron Application Note #556 (P/N 048556) at www.lutron.com for more information on adjusting low-end and high-end trim.

Vive

中文

反向相位引线式调光器

RMMS-250NE
220–240 V∼ 50/60 Hz

1 A 150 W LED

1 A 250 W 白炽灯/卤素灯/ELV

如果使用LED灯泡,我们建议使用Lutron兼容产品。

有关兼容LED灯泡的清单,
请访问 www.lutron.com/LEDfinder

操作

- 轻击开启/关闭灯。
- 绿色 - 切换负载时闪烁。在关联期间闪烁。
- 蓝色 - 高级编程模式(APM)。
- 朱红 - 出现错误时闪烁。

错误代码 红色

闪烁模式 ☀=开 ○=关	可能的原因
☀○○○○○○☀○○○○	• 接线错误。产品可能会永久损坏。
☀☀○○○☀☀○○○	• 不支持的负载类型(调光器不适用于MLV负载)。
☀☀☀○○☀☀☀○○	• 接线错误。 • 负载可能短路。 • 电路负载过大。
☀☀☀☀○☀☀☀☀○	• 电路负载过大。 • 引线式调光器周围通风不足。

帮助

中国: **400.046.3600**

其他国家: **+1.610.282.3800**

传真: **+1.610.282.6311**

www.lutron.com/support

LUTRON

安装引线式调光器

1 断开断路器的电源或取下保险丝

⚠ **警告: 电击危险。**
可能会导致严重人身伤害或死亡。
在维修或安装之前,务必将主电源隔离或取下保险丝。

2 连接电线

断路器

负载
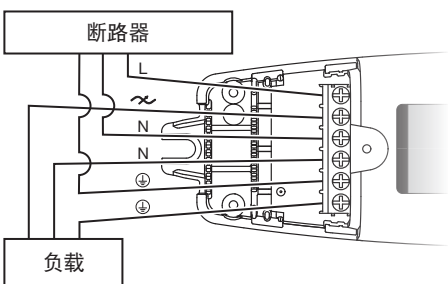
- L = 相线/火线
- ⏚ = 接地线
- N = 中性线
- ∼ = 调光相线/火线

5 mm

必须按照最新的建筑和IEE布线规定安装这些产品。

3 安装应变消除装置并拧紧螺钉

应变消除装置

在安装过程中,接地线 ⏚ 需要额外长度。

正确　　不正确
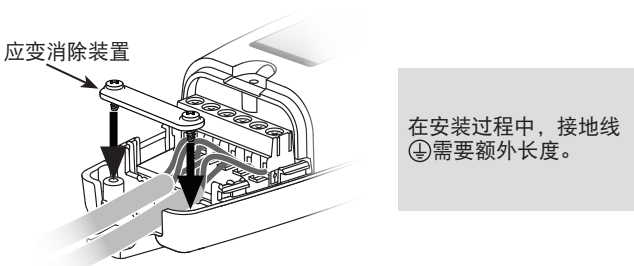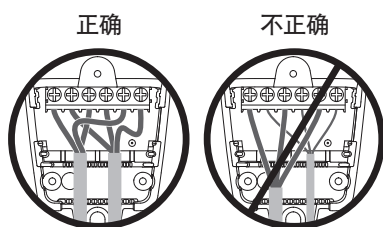
注意: 所有电线外径必须相同,范围必须是5.2 – 8.5 mm。

Ⓐ　　　Ⓑ

包括两种尺寸的应变消除装置。Ⓐ 可最大限度地消除大多数线径的应变。对于某些大型电线应用,则需要 Ⓑ。

4 安装端盖和螺钉

5 安装引线式调光器

如下所示,引线式调光器必须安装在通风良好,且没有发热设备或障碍物的区域。

注:
- 为了获得最佳射频性能,引线式调光器顶部和侧面周围120 mm的范围内不应存在金属或其他导电材料。
- 引线式调光器不适合安装在全封闭的金属物内(如金属外壳、电器柜)。

绝缘　　绝缘
120 mm
ø 50 mm
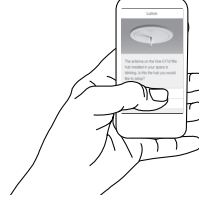26 mm
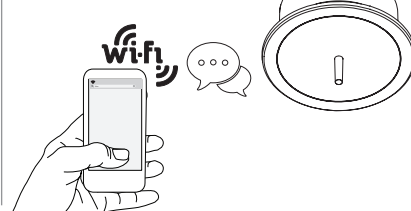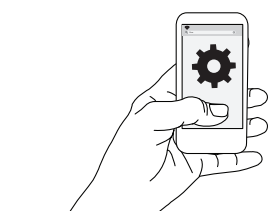105 mm

6 接通断路器的电源或安装保险丝

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

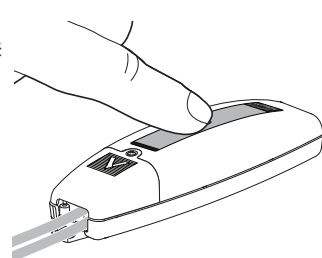Ⓓ 根据您的智能设备屏幕上所显示的提示进行系统设置。

注: 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
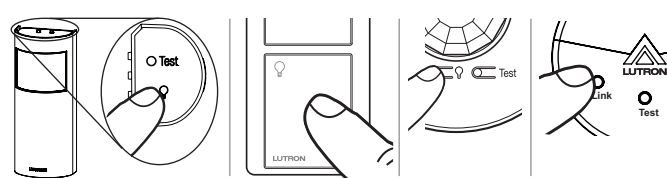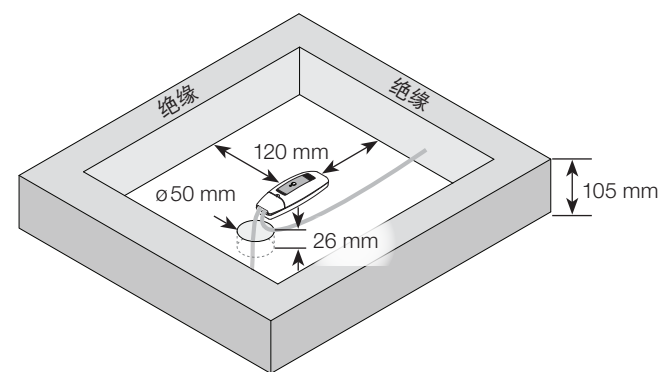

没有Vive集线器的编程

在开始此步骤之前,请确保在同一建筑物内没有设置其他 RF 设备模块。来自其他系统的无线发射器可能与该系统错误地关联。

Ⓐ 按住引线式调光器上的按钮 6 秒钟以进入关联模式。
备注: 完成每个步骤后,负载将闪烁一次,以确认成功完成。

Ⓑ 按住无线发射器上的所示按钮 6 秒钟以关联设备。*对任何其他无线发射器重复此操作。

*如果没有 ♀ 按钮,请按住"Lights Off"(关灯)按钮。

Ⓒ 按住引线式调光器上的按钮 6 秒钟以保存关联。

Ⓓ 永久安装无线发射器(请参阅各个组件安装指南)。

备注: 调光器必须位于18 m的视线范围内,或位于Pico无线控制器、Radio Powr Savr传感器穿墙9 m的范围内。

重要提示

1. 小心: 仅适用于永久安装的灯具。为了避免过热和可能损坏其他设备,请勿用于控制插座。
2. 按照所有国家和地方电气规范安装。
3. 仅限0 °C至40 °C温度范围、0%~90%相对湿度(无冷凝)条件下室内使用。
4. 在调光器不适用于MLV负载,仅与逆相位负载兼容。磁性低压(MLV)负载需要正相设备或开关才能正常工作。

故障排除

症状	可能的原因
无法开启负载。	• 灯泡烧坏。 • 断路器断开或跳闸。 • 灯未正确安装。 • 接线错误。 • 发生错误。有关更多信息,请参阅错误代码部分。
灯未响应 Pico 无线控制器或 Radio Powr Savr 无线电传感器。	• 系统设备距离太远。可能需要Vive 集线器来扩展无线范围。 • 引线式调光器已达到Pico无线控制器发送的光照级别。 • Pico无线控制器处于9 m 操作范围之外。 • Pico无线控制器电池电量低。 • Pico无线控制器电池安装不正确。 • 发生错误。有关更多信息,请参阅错误代码部分。
• 灯泡在变暗时熄灭。 • 灯泡在高亮度级时点亮,但在低亮度级时不亮。 • 灯泡调到低亮度级时频闪或闪烁。	• 核实LED灯泡标记为可调光。关于推荐的LED灯泡清单,请访问www.lutron.com/LEDfinder • 为了获得最佳LED灯泡性能,可能需要调整低端窗饰。可以使用Vive集线器编程软件调整微调。

返回出厂设置

1. 将引线式调光器上的按钮快速按三下,在第三下时按住。
2. 一旦负载开始闪烁,释放按钮并立即再次轻击三次。
3. 负载将闪烁,负载控制器将返回出厂设置。

调整低端和高端微调

有关调整低端和高端微调的更多信息,请参阅 www.Lutron.com 上的 Lutron 第 556 号应用说明(P/N 048556)。