尺寸：成品尺寸98mm * 98mm，展开尺寸588mm * 98mm
材质：105g哑粉纸
正反面印刷

98 mm

588 mm

98 mm

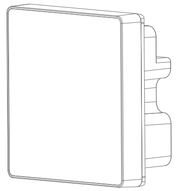
正面

背面

PHILIPS

EcoSet蓝牙红外可视遥控器开关

EcoSet BLE IR Visual Controller Switch Mounting Instruction / 安装说明



适用范围 /Application

使用环境 /Application environment	室内 / Indoor
负载 / Load power	LED Max. 3x400W
存储温度 / Storage temperature	-20℃ ~ 70℃
存储湿度 / Storage humidity	5% ~ 90% RH
工作温度 /Operating temperature	0℃ ~ 45℃
工作湿度 / Operating humidity	5% ~ 85% RH
射频发射功率 / RF transmit power	<10dBm
RF频率 / RF frequency	2400 - 2483.5MHz

本文参数是基于Ta25℃情况下提供。
The switch parameters in this manual are provided for operation at Ta25℃.

产品描述 / Product Description

产品型号 / Product model	尺寸 / Size
EcoSet蓝牙红外可视遥控器开关 EcoSet BLE IR Visual Controller Switch	86*87*36.5mm

技术参数 / Technical Parameter

1. 供电方式 / Power supply mode: 220 ~ 240V AC或5V⎓1.5A
2. IP防护 /IP Grade: IP20
3. 本设备包含型号核准代码为：CMIIT ID: 2021DP7059 的无线电发射模块。
   This equipment contains radio transmission module with model approval code: CMIIT ID: 2021DP7059 .

开关按键功能 / Function Description

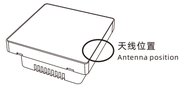
1. “ ON ” 打开灯具 / Turns on the luminaire
2. “ OFF ” 关闭灯具 / Turns off the luminaire
3. “ ☀ ” 调高亮度 / Dims up
4. “ ☀ ” 调低亮度 / Dims down

*详细功能说明请参考Ecoset系统应用指导书。
*Please refer to Ecoset system application guide for detailed functional description.

注意事项 / Matters Needing Attention

1. 在安装或者使用本产品前，请先仔细阅读本手册。
   Please read this manual carefully before installing or using this product.
2. 墙装时，请专业人员安装。
   For wall mounting, have it professionally installed.
3. 开关（辐射方向）不要有含金属（导体）物体遮挡，保证产品无线辐射效果。
   The switch (radiation direction) should not be blocked by metal (conductor) objects, to ensure the optimum efficiency of signal transmission.
4. 开关尽可能远离变压器，开关器件等辐射源，距离干扰源越远，射频性能越好。
   Switches are located as far away as possible from radiation sources such as transformers and switching devices; the further away from the source of interference, the better the RF performance.
5. 开关需要远离路由器等信号设备(Zigbee 和 Wi-Fi等)
   Keep the switch away from signal devices such as router (Zigbee and Wi-Fi, etc.)

6. 开关避免在腐蚀性环境和含有有害物质，例如硫化物、卤化物、邻苯二甲酸酯等环境中存储和使用。
   The switch shall be protected from corrosive environment and harmful substances such as sulfide, halide, phthalates and other environments.
7. 开关可以用干布沾少量低浓度(70%-75% 浓度) 的酒精擦拭清洁，切勿用水、含有腐蚀性的清洁剂清洁。
   The switch can be cleaned with a dry cloth dampened with a small amount of alcohol at a low concentration (70%-75%), never with water or with aggressive cleaning agents.
8. 考虑到金属结构对无线信号的影响，请勿用金属遮盖、遮挡开关上的无线天线（如图）。在现场使用过程中确保开关远离周边金属管道、混凝土钢结构等。以减少金属管道、混凝土钢结构等对无线信号的负面影响。如果开关和接收器之间有金属管道、混凝土钢结构等隔断，会对无线信号传输距离有影响。
   Considering the impact of metal structures on wireless signals, do not cover or obstruct the wireless antenna on the switch with metal (as shown in the figure). During on-site use, ensure that the switch is kept away from surrounding metal pipes, concrete steel structures, and other materials to minimize their negative effects on wireless signals. If there are metal pipes, concrete steel structures, or other obstructions between the switch and the receiver, it will affect the transmission distance of the wireless signal.

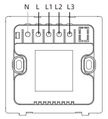


9. ⚠ **请务必仔细阅读目标应用相关的安装和系统应用重要提示内容，确保系统性能。**
   ⚠ Please make sure to carefully read the key instructions of installation and system application related to your target application to ensure system performance.

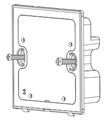
办公室应用 / Office Application
一、安装示意说明 / Installation Diagram

1. 安装前请确认总电源已关闭。
   Before installation, please ensure the main power supply is turned off.
2. 根据如下安装步骤，将本产品安装于墙面上的86型开关底盒内。
   Follow the installation steps to mount this product inside an 86-type switch box on the wall.
3. 按照接线示意图，将火线接入 L 孔，将零线接入 N 孔，将负载（灯）线接入 L1、L2、L3 孔。确认接线正确后，拧紧接线柱螺丝。
   Using the wiring diagram, connect the live wire to the L terminal, the neutral wire to the N terminal, and the load (light) wires to the L1, L2, and L3 terminals. After verifying that the wiring is correct, tighten the terminal screws.

①
取下控制面板，请小心使用一字螺丝刀，以免损伤到产品
Remove the visual controller.
Use a flat-head screwdriver carefully to avoid damaging the product.



②
接线示意图
Wiring diagram



③
用螺丝把底壳固定在墙面上的86型开关底盒内
Screw the bottom shell onto the 86-type switch box on the wall

④
将面盖扣入底壳
Clip the faceplate onto the bottom shell

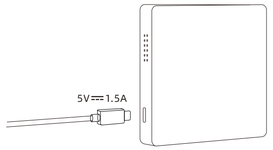
4. ⚠ 如果将屏从墙上取下，则无法实现One touch commissioning以及Auto reset等功能。
   ⚠ If removing the screen from the wall, one-touch commissioning and auto reset functions no longer work.
5. ⚠ 电源底盒固定螺丝拧至底壳不晃动即可，过紧将导致控制面板和电源底盒扣合时不平固或不平整。
   ⚠ Tighten the power base box screws until the bottom shell is secure and does not move, but avoid overtightening to prevent the visual controller and power base box from fitting unevenly or loosely.

二、系统应用提示 / System Application Instructions

1. 遥控器开关可以创建并存储30个新网络，包括 “One-touch commissioning” 和 “New group” 创建的网络， “One-touch commissioning” 和 “New group” 的功能解释请参考应用说明。
   The visual controller can create and save up to 30 new networks, including those created through both "One-touch commissioning" and "New group". For functional explanations of “One-touch commissioning” and "New group", please refer to the application guide.
2. “One-touch commissioning” 功能依赖于继电器实现自动化组网，本系统通过继电器开关灯具和sensor来触发组网信号，因此需要将目标灯具和sensor通过物理连接在同一个电气回路中以实现one touch commissioning的功能。 “New Group” 功能可以创建一个新的网络，灯具和传感器等部件需要用户手动加入网络。
   "One-touch commissioning" feature relies on a relay to automate grouping. This system triggers the grouping signal through a relay switch on/off, so the target luminaires and sensors need to be physically connected in the same electrical circuit with the relay to achieve the one-touch commissioning functionality. "New Group" feature allows users to create a new group, and components such as luminaires and sensors need to be manually added to the group by the user.
3. 单个网络最多可包含50个节点设备（包括开关本身，传感器和灯具），但具体数量可能会受到现场信号质量的影响，因此可能无法达到50个节点设备。
   Each network can support up to 50 node devices (including the visual controller, sensor, luminaire), but the specific number may be depended on the signal quality in the actual scenario, potentially prevent it from reaching the full capacity of 50 node devices.
4. 如下功能断电不保存：Demo模式、All lights（开关、加减亮度）、首页（开关、加减亮度）、Motion sensor等。
   These key functions will not be saved after power-off: Demo mode, All lights (+/-/On/Off), Home page (+/-/On/Off), Motion sensor, etc.
5. 为了检查灯具是否已加入网络，可通过点击 “Blink” 进行判断。点击 “Blink” ，若灯具响应并闪烁一次，即表明该灯具已成功加入该网络。
   To check if a luminaire has been added to the network, user can click the "blink" function for verification. By clicking "blink", if the luminaire responds and flashes once, it shows that the luminaire has successfully joined the network.
6. 在办公室应用中，每只灯具只能被组进一个网格里，但是在一个网格里，可以有多个传感器或灯具。
   In office applications, each luminaires can only be part of one network, but within a single network, there can be multiple sensors or luminaires.

工业应用 / Industry Application
一、控制面板 / Visual Controller

1. 可单独购买 / Available for separated purchase.
2. 取下控制面板单独使用时，供电方式为 Type C, 5V⎓1.5A供电。
   5V⎓1.5A power supply is required when the visual controller is removed for stand-alone use.



产品描述 / Product Description

产品型号 / Product model	尺寸 / Size
EcoSet蓝牙红外可视遥控器 EcoSet BLE IR Visual Controller	86*87*13mm

二、系统应用提示 / System Application Instructions

1. 控制面板能够创建并保存最多30个新的网络。
   The visual controller can create and save up to 30 new networks.
2. 在仓库环境中，传感器与灯具是集成一体的。单个网格最多可包含50个节点设备（包括开关本身，传感器和灯具），但具体数量可能会受到现场信号质量的影响，因此可能无法达到50个节点设备。
   In warehouse application, sensors and luminaires are integrated. Each network can support up to 50 node devices (including the visual controller, sensor, luminaire), but the specific number may be depended on the signal quality in the actual scenario, potentially prevent it from reaching the full capacity of 50 node devices.
3. 如下功能断电不保存：Demo模式、All lights（+/-）、首页（+/-）、Motion sensor等。
   These key functions will not be saved after power-off: Demo mode, All lights (+/-), Home page (+/-), Motion sensor, etc.
4. 为了检查灯具是否已加入网络，可通过点击 “Blink” 进行判断。点击 “Blink” ，若灯具响应并闪烁一次，即表明该灯具已成功加入该网络。
   To check if a luminaire has been added to the network, user can click the "blink" function for verification. By clicking "blink", if the luminaire responds and flashes once, it shows that the luminaire has successfully joined the network.

产品中有害物质的名称及含量 / The names and contents of harmful substances in the product (Only for China)

部件名称	有毒有害物质或元素					
	铅(Pb)	汞（Hg）	镉（Cd）	六价铬（Cr6+）	多溴联苯（PBB）	多溴联苯醚（PBDB）
外 壳	○	○	○	○	○	○
PCB板	╳	○	○	○	○	○
附 件	○	○	○	○	○	○

本表格依据SJ/T11364的规定编制。
○：表示该有毒有害物质在该部件所有均质材料中的含量在GB/T25672规定的限量要求下。
╳：表示该有毒有害物质至少在该部件某一均质材料中的含量超出GB/T25672规定的限量要求。

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