

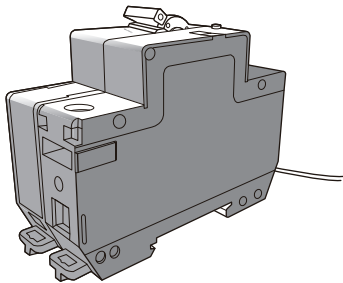
Wulian[®]

一位DIN开关计量版02型

WL-ZGCRNPW-S3011-02

产品使用说明书

※本企业通过ISO9001:2008质量管理体系标准



(图片仅供参考, 请以实物为准)

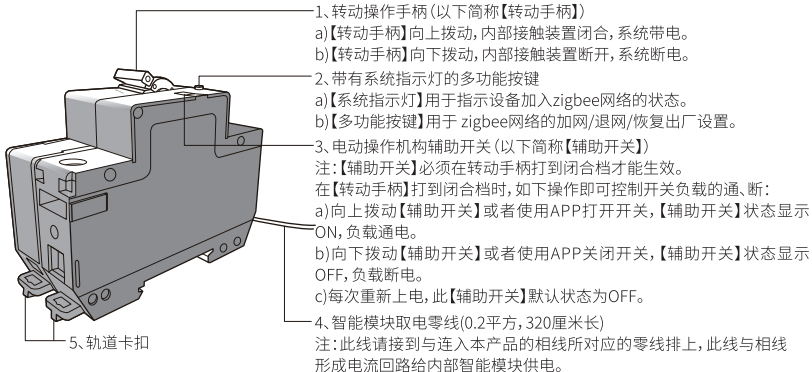
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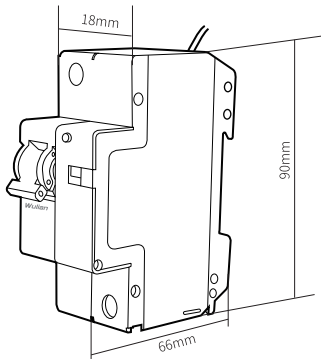
欢迎您使用一位DIN开关计量版02型产品

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产品展示



产品尺寸



产品功能

- 支持新一代IEEE 802.15.4 (ZigBee/SmartRoom)技术；
- 带载功率大(32A), 有过载、短路保护；
- 全球领先过载断电保护, 可实时监测当前功率及电量, 节能省电随心所欲, 告别待机功耗(该功能仅限计量版)；
- 可通过APP客户端, 远程遥控电器通、断电, 节能环保的定时开关功能, 让普通家电智能化；
- 实时反馈开关状态, 支持局域网和远程控制插座电源的通断；
- 支持加入到场景模式, 预约定时功能, 电能统计, 查看历史使用电量的功能；
- 外壳采用高抗冲击材料, 坚固、耐用。

软件下载

下载方式一

请扫描本产品包装盒上的二维码, 下载最新版本软件客户端。

下载方式二

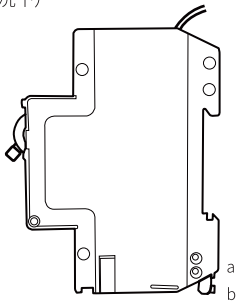
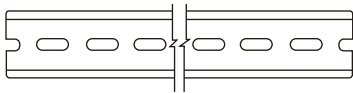
官网下载地址:<http://wuliangroup.com/app>

【温馨提示】:初次使用时, 请先安装APP客户端, 并仔细阅读产品说明书; 请时常关注我司资讯, 以便及时更新。

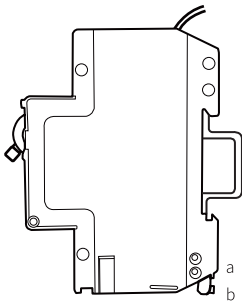
安装步骤

本产品采用TS-35-7.5标准的安装轨道安装, 放置在标准配电箱中。

1、用手或工具将【轨道卡扣】从位置a拉到位置b; (在断电的情况下)

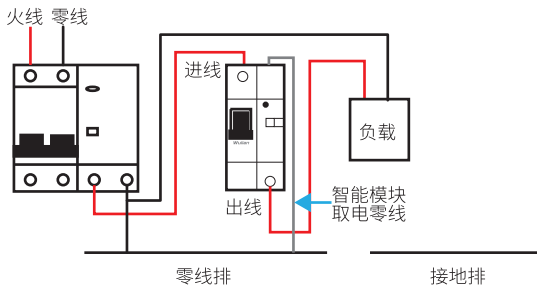


2、将产品装在安装轨道上，并用手或工具把【轨道卡扣】从位置b推到位置a，产品即可固定在轨道上。
(在断电的情况下)



3、按如下图示接线。

在切断电源的前提下，把火线接到32A开关端子处，把零线接到零线排中，盖上配电箱并用螺丝固定，盖上舱门。



注：

- 安装前请确认电源已关闭！电工作业危险，非专业人士不得擅自操作。
- 接线之前务必请将【转动手柄】拨到断开位置。
- 不可用火线（相线）对地短路或零线（中性线）、火线碰接的办法来试验产品性能，以免危及人身安全。
- 安装时，接线螺钉应拧紧，导线不易松动和拔出。
- 严禁湿手操作断路器，否则可能发生触电事故。
- 此产品的保护特性由制造厂整定，不允许随意拆开或调节。
- 上图中可接负载如冰箱、空调、洗衣机、烤箱、电热水器等。
- 建议将本产品安装在远离洗衣机、微波炉、冰箱、路由器等具有干扰源的区域，否则将可能影响产品通信灵敏度及其工作性能。
- 本产品应安装在干燥清洁的地方，以免内部元器件受潮或其他杂物进入而影响使用效果。

4、接线检测。

【转动手柄】向上拨动，观察【系统指示灯】，如【系统指示灯】不闪烁，则接线存在问题，应排查原因；如【系统指示灯】闪烁，则表示接线没有问题，系统工作正常。

本地操作

【转动手柄】处在闭合位置时,可以拨动【辅助开关】控制此产品的通、断电状态。

联网设置

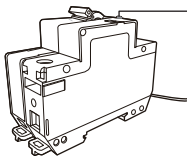
1、联网设置前,请确认无线网关(需另外购买) ZigBee网络正常工作且处于允许加网状态, ZigBee网络指示灯闪烁。同时,请确认本产品处于通电状态,且处于无线网关的有效通信距离内。

2、联网操作前,请确认本产品未处在其他无线网关内,或者可以先将本产品退出ZigBee网络后再次进行联网设置(新产品可直接进行联网设置)。

3、加网设置

①首次加网(自动加网)

设置网关允许加网后(详见网关说明书),首次开箱使用该产品时,设备上电即自动申请加入ZigBee网络,搜索网络过程中,【系统指示灯】闪烁,成功加入ZigBee网络后【系统指示灯】长亮2秒后熄灭。

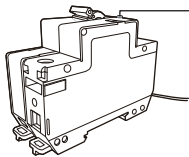


①搜索网络中【系统指示灯】闪

②成功加入ZigBee网络后,【系统指示灯】长亮2秒后熄灭

②手动加网

快击1次【多功能按键】，搜索网络过程中，【系统指示灯】闪烁，成功加入ZigBee网络后【系统指示灯】长亮2秒后熄灭。



① 快击1次【多功能按键】

②成功加入ZigBee网络后，【系统指示灯】长亮2秒后熄灭

备注：①若快击1次【多功能按键】后，【系统指示灯】闪烁1次，说明设备已经入网。

②如果设备断电，下次上电后会自动加入原来的网关(在不恢复出厂设置的前提下)。

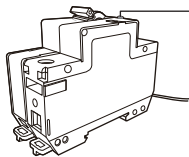
4、APP操作

在该产品联网成功及【转动手柄】处在闭合位置前提下，用手机打开APP的客户端，按APP的提示操作即可控制此产品的通、断电状态。

5、退网设置

①手动退网

长按【多功能按键】6秒后松开，【系统指示灯】均匀闪烁4次后熄灭，设备会退出已经加入的ZigBee网络。



① 长按【多功能按键】6秒

②【系统指示灯】均匀闪烁4次后熄灭

②APP退网

在网的情况下,可在APP手机客户端点击“删除”,【系统指示灯】均匀闪烁4次后熄灭,设备会退出已经加入的ZigBee网络。

备注1:若按以上加网设置,设备仍无法加入ZigBee网络,请执行以下步骤(操作前请确保网关允许加网):①执行退网操作(详见退网设置);②稍等2s后快击1次【多功能按键】进行加网。

备注2:设备退网后,4s内请勿执行断电操作(拉闸),以防设备异常。

电气参数

通信协议(方式)	IEEE 802.15.4 (ZigBee/ SmartRoom)
天线配置	内置天线
电源参数	100~240VAC/ 50HZ
待机功耗	≤0.5W
额定电流	32A

结构参数

外形尺寸(长x宽x高)	90X36X66
材质颜色	PA66, 浅灰色
安装方式	导轨
净重	225g
阻燃等级	UL94V-0
工作环境温度	-10~45 °C
工作环境湿度	95%RH(不凝结)
存储温度	-20~60°C

订购信息

产品名称	型号
一位DIN开关计量版02型	WL-ZGCRNPW-S3011-02

中国江苏省南京市雨花台区凤集大道15号

邮箱:support@wuliangroup.com

服务热线:400-928-9288

官网:www.wuliangroup.com

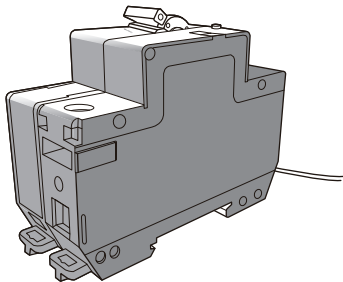
Wulian[®]

Smart Switch (32A)

WL-ZGCRNPW-S3011-02

User Manual

Wulian Granted ISO 9001: 2008 Certification



(Picture for Reference Only)

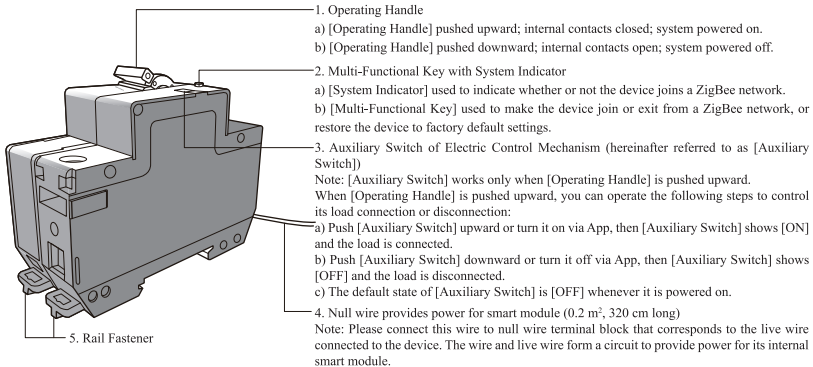
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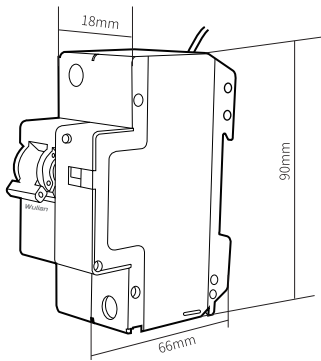
Welcome to Use Wulian Smart Switch (32A)

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- Please read this manual carefully to ensure proper and safe use of the product.
- Wulian Smart Switch (32A) (hereinafter referred to as “the product”) is one of Smart Home products of controlling type launched by Nanjing IOT Sensor Technology Co., Ltd. (hereinafter referred to as “Wulian”) The product shall be used together with Smart Home App and its accessories. Wulian assumes no responsibility for any damage caused by improper installation or usage of the product.
- Wulian may update the product information in this manual anytime without prior notice. Please pay close attention to Wulian news and download the latest Smart Home App.
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- Welcome to visit Wulian official website www.wuliangroup.com to obtain more information about smart home products.

Product Illustration



Dimension



Features

- Support IEEE 802.15.4 (ZigBee/SmartRoom) protocol;
- High power load (32A); overload and short circuit protection;
- Get real-time and history data of power consumption (metering type only);
- Make electrical appliances smart via App;
- Support LAN and remote check and control of socket power;
- Support linkage control/scene management/time setting;
- Adopt impact-resistant material; solid and durable.

Software Download

Option A:

Download the latest Smart Home App by scanning the QR code on the package box of this product.

Option B:

iOS user can download the App by searching "Wulian Smart Home" on "App Store".

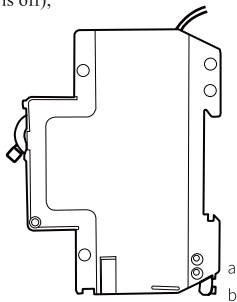
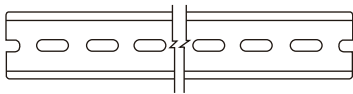
Android user can download the App by searching "Wulian Smart Home" on "Google Play".

Tip: For first time use, please download Smart Home App and read user manual carefully. Pay attention to Wulian news and download the latest App.

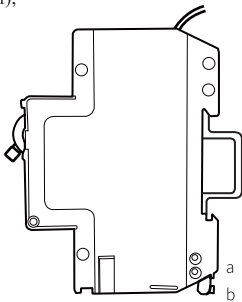
Installation Steps

The product is installed on a standard DIN rail (TS-35/7.5) and put in a standard distribution box.

1. Push [Rail Fastener] from [a] to [b] manually (when the power is off);

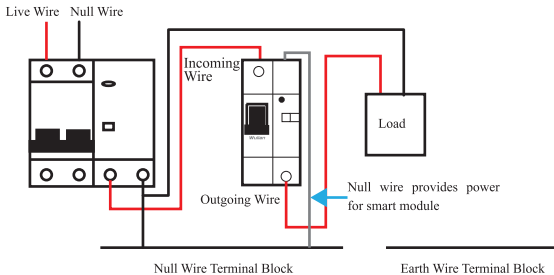


2. Install the product on the rail, and then push [Rail Fastener] back from [b] to [a] manually to fix the product on the rail (when the power is off);



3. Connect wires as below.

Switch off power; connect live wire to the terminal of Smart Switch (32A), and null wire to null wire terminal block; attach the distribution board with screws; close the panel of distribution board.



Note:

- **Switch off power before installation. Working with electricity can be dangerous.**
- **Push [Operating Handle] downward before connecting wires.**
- **In order to avoid electric shock, do not test product performance through connecting live wire to the floor or to null wire (neutral wire).**
- **When you install the product, make sure terminal screws are securely tightened and wires are tightly fixed.**
- **Do not operate the circuit breaker with wet hands, or you may get an electric shock.**
- **Its protective feature is set by the manufacturer, and do not disassemble or adjust the product.**
- **Its load can be connected to a refrigerator, air conditioner, washing machine, oven, electric water heater and etc.**
- **Keep the product away from washing machine, microwave oven, refrigerator, router and other interference source, or its working sensitivity and performance may be affected.**
- **The product should be put in a dry and clean place to protect inner components from dampness and debris.**

4. Wiring Test

Push [Operating Handle] upward and observe [System Indicator]. If [System Indicator] doesn't flash, it indicates there is something wrong with wiring. If [System Indicator] flashes, it indicates the system works normally.

Local Operation

When [Operating Handle] is pushed upward, you can operate [Auxiliary Switch] to control ON/OFF state of the device.

Network Settings

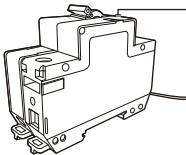
1. Before network connection, make sure your gateway (needs to be purchased) works normally, the ZigBee network indicator flashes, the product is powered on and within a valid communication range.

2. Before network connection, make sure the product is not connected to any other gateway; or you can make the device exit from the connected ZigBee network and try again (new product can be connected to the network directly).

3. Join the network

① Join the network for the first time (automatically)

- Make gateway open to ZigBee devices (refer to the gateway manual for details);
- If the device is used for the first time, you power it on and it will apply to join the ZigBee network automatically;
- [System Indicator] flashes while the device is searching for a network;
- When the device is connected to a ZigBee network, [System Indicator] stays on for 2s and then goes out.

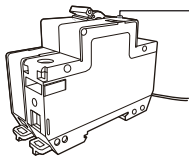


① [System Indicator] flashes while the device is searching for a network

② When the device is connected to a ZigBee network, [System Indicator] stays on for 2s and then goes out

② Join the network manually

- Quickly press [Multi-Functional Key] once, [System Indicator] flashes while the device is searching for a network;
- When the device is connected to a ZigBee network, [System Indicator] stays on for 2s and then goes out.



① Quickly press [Multi-Functional Key] once

② When the device is connected to a ZigBee network, [System Indicator] stays on for 2s and then goes out

Note: ① If [System Indicator] flashes one time after you quickly press [Multi-Functional Key] once, it indicates the device is connected to a network.

② If the device is turned off and then on again, it will apply to join the previous gateway automatically (if it is not restored to factory default settings).

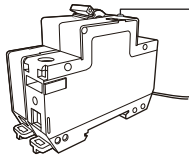
4. App operation

When the device is connected to a ZigBee network and [Operating Handle] is pushed upward, you can open the App and control ON/OFF state of the device according to the App tips.

5. Exit from the network

① Exit from the network manually

Press and hold [Multi-Functional Key] for 6s; then [System Indicator] flashes 4 times regularly and goes out, indicating that the device gets disconnected from the current ZigBee network.



① Press and hold [Multi-Functional Key] for 6s

② [System Indicator] flashes 4 times regularly and goes out

② Exit from the network via App

Tap “Delete” on the App when your smartphone is connected to a WiFi network. [System Indicator] flashes 4 times regularly and goes out, indicating that the device gets disconnected from the current ZigBee network.

Note 1: If the device cannot join a ZigBee network after the above steps, perform the following steps (make sure your gateway is open to ZigBee devices): ①Make the device exit from the network (refer to Step 5); ②Wait for 2s and then quickly press [Multi-Functional Key] one time to join the network.

Note 2: In order to prevent device failure, do not turn the power off within 4s after the device exits from the network.

Electrical Parameters

Communication Protocol (Mode)	IEEE 802.15.4 (ZigBee/ SmartRoom)
Antenna Configuration	Embedded Antenna
Power Parameter	100~240VAC/ 50HZ
Standby Power Consumption	$\leq 0.5W$
Rated Current	32A

Structure Parameters

Dimension (L*W*H)	90*36*66
Material & Color	PA66, Light Gray
Installation Method	Guide Rail
Net Weight	225g
Flame Retardant Rating	UL94V-0
Working Temperature	-10~45°C
Working Humidity	95%RH (Non-condensing)
Storage Temperature	-20~60°C

Purchasing Information

Name	Model
Smart Switch (32A)	WL-ZGCRNPW-S3011-02

No. 15, Fengji Road, Yuhuatai District, Nanjing

Email: overseas@wuliangroup.com

Service Wire: +86-400 889 2891

Official Website: www.wuliangroup.com