

用户手册

User Manual

16路电源控制器

——导轨式多功能电源控制主机

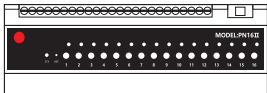
功能概述

16路继电器（ZIGBEE/WIFI可选），可与网关或云端通信实现对多种周边设备电源的控制。如用于控制灯光开关、电动屏幕升降、电动窗帘开合及给投影机、摄像机、会议系统等设备提供电源控制。

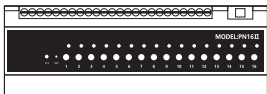
电源控制器机身面板上提供了手动按键及LED状态指示灯，能通过机身的手动按键自由控制各路开关，并由面板上LED指示灯指示当前通道工作状态，并且面板提供多种状态指示灯，指示全面，支持设备电源指示，通道开关状态指示。

具体功能特性如下说明：

- 1、共16通道，其中1-4路为50A磁保持继电器，5-16路为16A继电器。
- 2、16路通道开关状态可由面板LED指示灯显示。
- 3、通过面板按键开关，可单独、时序关启通道，实现单独开关和时序开关通道功能。
- 4、提供2个特殊节点控制接口（与酒店插卡取电/节能模块联动）
 - a、可锁住外部按键和解锁外部按键并执行自定义场景
 - b、可关闭所有通道
- 5、提供16个独立节点控制接口，可外接按键或连接中控系统，对通道开关进行单独开关操作。
- 6、提供3种掉电恢复工作模式：
 - a、断电模式
 - b、通电模式
 - c、自定义场景模式



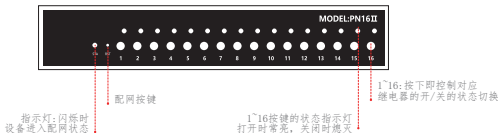
外置天线版



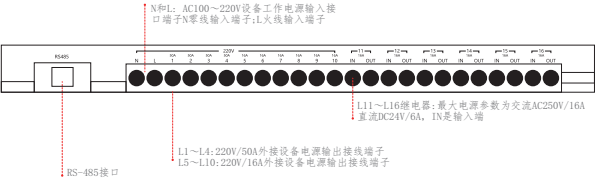
内置天线版

按键/接口说明

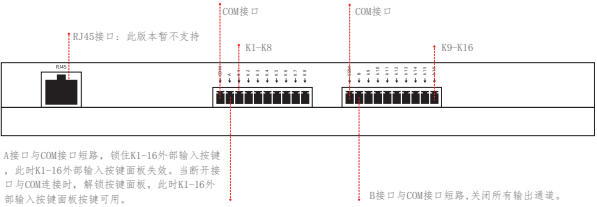
面板部分：



接口部分（上）



接口部分（下）



干接点接口, K1-K8为一组, K9-K16为一组, K1~K16接口与COM接口短路, 可控制对应通道。

- 备注: 此接口有3种状态,
1. 设置为复位开关时, 仅短接有效
 2. 设置为翘板开关时, 短接和断开都有效
 3. 设置为弱电开关时, 短接为打开放电, 断开为关闭动作

连接涂鸦智能APP

本产品已接入涂鸦, 可通过涂鸦智能APP操控, 并与其他产品互联互通。
扫描二维码, 下载并安装涂鸦智能APP, 或在应用商店搜索“涂鸦智能”, 下载并安装app, 并按APP提示添加设备。



扫描二维码
下载“涂鸦智能APP”

提示:
添加WIFI版前, 请确保手机已连接到2.4GHz频段的Wi-Fi网络。
为了使连接更顺畅, 请将手机尽量靠近网关, 同时确保手机与网关处于同一个Wi-Fi网络。
由于涂鸦智能APP的升级与更新, 实际操作可能与以上描述略有差异, 请按照当前涂鸦智能APP内的指引进行操作。

售后服务及三包政策

涂鸦智能有线多模网关售后服务严格依据《中华人民共和国消费者权益保护法》、《中华人民共和国产品质量法》实行售后三包服务, 服务内容如下:

保修政策

在三包有效期内, 您可以依照本规定免费享受退货、换货、维修的服务, 退货、换货、维修应当凭发票办理。
签收次日起7天内无理由退货 (电商购买渠道), 由用户承担物流费用;
本产品出现《产品性能故障表》所列性能故障的情况, 经售后服务中心检测确定后, 可免费享受如下服务

服务类型	服务政策
退货	自签收次日起7天内产品质量原因退货
换货	自签收次日起15天内产品质量原因换货
维修	自签收次日起1年内产品质量原因维修

User Manual

A 16-way power supply controller

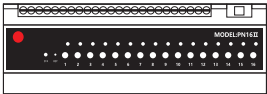
——Guide rail-type multi-function power supply control host

Functional overview

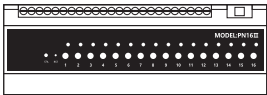
16 way relay (ZIGBEE/WIFI optional), can communicate with gateway or cloud to control various peripheral device power supplies. Used for controlling light switches, electric screen lifting, electric curtain opening and closing, and providing power control for projectors, cameras, conference systems, and other equipment. The power controller panel provides manual buttons and LED status indicator lights, which can freely control various switches through the manual buttons on the body. The LED indicator lights on the panel indicate the current channel working status, and the panel provides multiple status indicator lights, which are comprehensive and support device power indication and channel switch status indication.

The specific functional features are described below:

- 1、 There are a total of 16 channels, of which 1-4 are 50A magnetic holding relays and 5-16 are 16A relays.
- 2、 The status of the 16 channel switch can be displayed by the panel LED indicator lights.
- 3、 By using panel button switches, channels can be individually and sequentially turned off and turned on, achieving the function of individual and sequential switch channels.
- 4、 Provide 2 special node control interfaces (linked with hotel card insertion and power retrieval/energy-saving modules):
 - a、 Can lock and unlock external buttons and execute custom scenes;
 - b、 All channels can be closed.
- 5、 Provide 16 independent node control interfaces, which can be connected to external buttons or the central control system, and perform separate switch operations on channel switches.
6. Provide three power outage recovery modes:
 - a、 Power off mode
 - b、 power on mode
 - c、 custom scene mode



External antenna version



Built in antenna version

Button/Interface Description

Panel section:

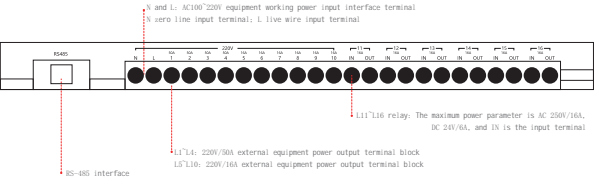


Indicator light: When flashing, the device enters the distribution network state

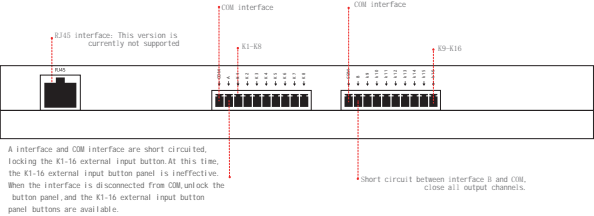
Status indicator lights for keys 1-16
Always on when opened, off when closed

I¹⁶: Press to control the on/off state switching of the corresponding relay

Interface section (Part 1)



Interface section (Part 2)



Dry contact interface, K1-K8 is a group, K9-K16 is a group, K1-K16 interface and COM interface are short circuited, and corresponding channels can be controlled.

Note: This interface has three states.

1. When set to the reset switch, only short circuiting is effective.
2. When set to the rocker switch, both short circuiting and disconnection are effective.
3. When set to a weak current switch, short circuiting indicates an open action, and disconnection indicates a closed action.

Connect the Tuya Smart APP

This product has been connected to Tu Ya and can be controlled through the Tu Ya intelligent app, and is interconnected with other products.
Scan the QR code, download and install the Tuya Smart app, or search for "Tuya Smart" in the app store, download and install the app, and follow the app prompts to add devices.



Scan QR code to download "Tuya Smart APP"

Tip:

Before adding the WIFI version, please ensure that your phone is connected to a Wi Fi network in the 2.4GHz frequency band.
To make the connection smoother, please place your phone as close as possible to the gateway and ensure that it is on the same Wi Fi network as the gateway.
Due to the upgrade and update of the Tuya Smart APP, the actual operation may differ slightly from the above description. Please follow the instructions in the current Tuya Smart APP for operation.

After sales service and three guarantees policy

The after-sales service of Tuya Smart wired multimode gateway strictly follows the Consumer Rights Protection Law of the People's Republic of China and the Product Quality Law of the People's Republic of China to implement after-sales three guarantee services. The service content is as follows:

Warranty policy

During the validity period of the three guarantees, you can enjoy free return, exchange, and repair services in accordance with these regulations. Returns, exchanges, and repairs should be processed with invoices.
Within 7 days from the day after signing for the goods, if there is no reason to return the goods (through e-commerce purchasing channels), the user shall bear the logistics costs;
After the performance faults listed in the Product Performance Fault Table are detected and confirmed by the after-sales service center, this product can enjoy the following services for free:

Service type	Service Policy
Returns	Returns due to product quality issues within 7 days from the day of receipt
Exchange	Exchange products within 15 days from the day of receipt due to quality issues
Repair	Repair of product quality issues within 1 year from the day of receipt