



PRO 5110IP Centralized Control Panel User's Manual

Product Specification

PRO 5110IP is a centralized control panel. It is accorded with the base protocol of IEEE 802.15.4, and be suitable for smart home design system which is structured by ZigBee network. Through (TCP/IP)/(ZigBee) gateway, it can realize the Local real-time control, scene control, zone control and real time monitoring of area control. If the extranet permits, the remote control can be realized.

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Technical Specification

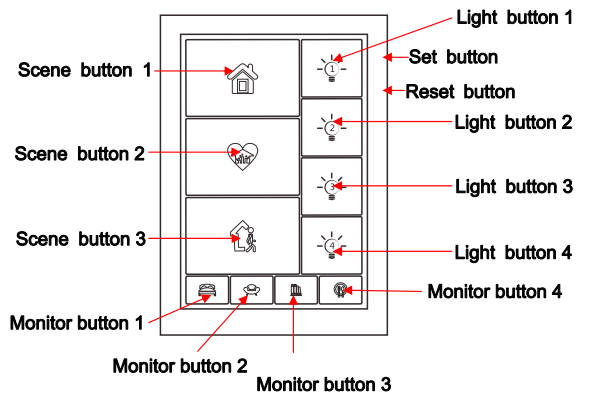
Operating Voltage	AC90~250V, 50/60Hz
Power Consumption	Standby: Max 1W Running: Max 3W
Load Power	One road: incandescent lamp Max1000W energy saving lamp/fluorescent lamp Max 200W Multi road: incandescent lamp Max1500W energy saving lamp/fluorescent lamp Max 400W
Operating Temperature	-10℃~+50℃
Operating Humidity	35%~85%RH
Wireless Communication Protocol	IEEE 802.15.4 (ZigBee Pro)
Wireless Transmit Power	4.5dBm
Wireless Receiving Sensitivity	-94dBm
Dimension	86mm*120mm*35mm
Installation Method	86 bottom case (least depth 55mm)

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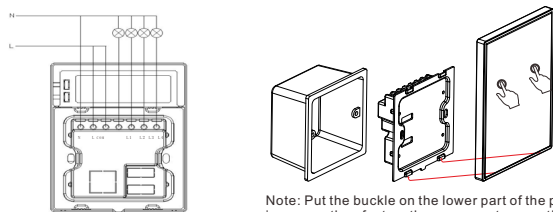
Functions Features

1. ZigBee networky protocol for flexible networking.
2. Use Null & Fire line's way to supply power, which made the working system more stability.
3. Have 4 road relay driver, which can replace the mechanical panel to realize the Local control.
4. Have 3 road scene button, it can realize scene control, the default scene number is 0,5,1.
5. Can cooperate with ZigBee network coordinator (gateway), it can realize the remote control by MP, PAD or PC.
6. It can realize the scene control of local 4 road lights by cooperated with the scene panel or the equipment's own scene button. It can memory up to 100 scenes.
7. With functions of Audio, indicator light and Vibrate Alert, and the Audio can be set on or off.
8. 4-zone lights monitor button, it can separately binding 5-way lights, and realize the function of all turn on/off
9. Flexible scene configuration mode, which can be configured by software or offline.
10. With function of synchronize indicate scene status
11. 5mm Capacitive Touch white tempered glass Panel
12. 86-box installation method.

Layout



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Wiring diagram

Installation diagram

Note: Put the buckle on the lower part of the panel into ingroove, then fasten the upper part, press the buckle on the upper part of the panel, it will completely stuck.

Operation

1. Network Entry

If you want to realize the remote control, first you must add it to the network which is structured by ZigBee network coordinator as follows:

- To set ZigBee network coordinator on the status that allowing to add other equipments;
- Press the **Reset** and **Set** button on the side of centralized control panel at the same time, release the **Reset** button, and then release the **Set** button. if the indicator flash once and then flash 5 times, it means it is successful to access network, otherwise it is failed.

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2. Manual Control

2.1. Panel button Control

Local light control: press **Light button 1~4**, it can control the light's on or off. It means the light is on when the indicator is on, otherwise it is off.

Scene control: press **Scene button 1~3**, it can send the corresponding scene command to control the scene. The scene functions on the centralized control panel is not only control other equipments's lights, but also control its own lights.

Cross-district light monitoring: press Monitor button 1~4 to control the binding zones' lights to turn on/off. When turn on any way lights on the binding zones, the relatively monitoring indicator will be on. Only when all ways lights on the binding zones are be turned off, the relative monitoring indicator will be off. When long press the monitoring light panel's light buttons 3 seconds, all lights which is bound by the monitor button will be uncontrolled, the monitor button indicator will flash at the same time.

Notice: it cannot monitor the lights on the centralized control panel.

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2.2. Scene settings

Long press the **Set** button on the side of the panel for 3 seconds, then the indicator will flash, it means it enters the setting mode.

Set the lights working way according to the scene's request, press the **On/Off** button to choose the scene function:

Indicator flash—when receiving the scene command, it will delete the relative scene function.

Indicator on—when receiving the scene command, it will turn on the lights

Indicator off—when receiving the scene command, it will turn off the lights

After finished the settings, press the relative scene button on the scene panel, or the scene icon on the digital extension to send the scene command. If settings is successful, the centralized control panel will have a long beep, otherwise, you will hear 3 short beep. Press **Set** button to exit.


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3. Configuration and debugging of the extension

3.1. The extension network configuration

Select "Cloud Control" on the digital extension, then enter the interface, choose  - **Start to Register** ;

Press the **Reset** and **Set** button on the side of centralized control panel at the same time, release the **Reset** button first, then release the **Set** button, if centralized control panel's indicator flash once and then 5 times, it means it is successful to access network, otherwise it is failed, please repeat the above operation.

When finish to networking, select the "Cloud Control" on the digital extension, then enter the interface, choose  - **Finish Register**.

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Indicators Status

Status	Indicate Manner
Power on (Network has accessed)	All indicators flash 5 times, each cycle for 400ms
Power on (Network unaccess)	All indicators flash once, each cycle for 1s
Settings state	All channels' indicators flash constantly, each cycle for 1s.
Turn on the light in normal state	The corresponding channel's indicator is on
Turn off the light in normal state	The corresponding channel's indicator is off
Set the light channel to off	The corresponding channel's indicator is off
Set the light channel to on	The corresponding channel's indicator is on
Set the light channel to non action state	The corresponding channel's indicator flash constantly, each cycle for 1s.
Select the binding area control channel	The corresponding channel's indicator is on
Delete the binding information	The corresponding channel's indicator is off

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2.3. Monitor the binding and unbinding of lights

Long press the **Set** button on the side of the panel for 3 seconds, then the indicator will flash, press the required binding monitoring button, then the relative indicator will be on all the time, then press the relative channel button (the bound equipment need to be on the status of un-setting). If settings is successful, the centralized control panel will have a long beep. One button can be binding up to 5 road lighting equipment. If you want to unbinding, just long press the relative button 3 seconds and the monitoring indicator will be off, and you will hear a long beep when finished.

2.4. Reset to the factory


Long press the **Set** button on the side of the panel 8 seconds until you hear a long beep, the centralized control panel will reset to the factory and clear all scenes and binding information.

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3.2. The extension blinding settings

Select "Cloud Control" on the digital extension, then enter the interface, choose  - **Start to Register**;

Select "Cloud Control" on the digital extension, then enter the interface, select "The Lights Control" to enter the relative interface, first to press the requested register's light icon, then press the relative function button on the centralized control panel, then it is finished; as to other button's registration, please repeat the above operation.

When all are finished, choose "cloud control" on the digital extension, then enter the interface, choose  - **Finish Register**.

3.3. the debugging of extension binding

Press the blinding light icon of the room, you can debugging the binding is successful or not; if the blinding is invalid, repeat the above operation.

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Buzzer Prompt tone

Status	Mute status	Unmute status
Power on	Not ring	Ring once, cycle for 0.5s
Enter the Setting state	Ring once, cycle for 0.5 s	Ring once, cycle for 0.5 s
Scene settings is successful	Ring once, cycle for 0.5 s	Ring once, cycle for 0.5 s
Scene settings is failed	Ring once, cycle for 100ms	Ring once, cycle for 100ms
Setting state is over time	Ring once, cycle for 0.5 s	Ring once, cycle for 0.5 s
Press the touch button	Not ring	Ring once, cycle for 100ms
Set the blinding	Ring once, cycle for 0.5 s	Ring once, cycle for 0.5 s
Delete the blinding	Ring once, cycle for 0.5 s	Ring once, cycle for 0.5 s

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