



YC.KP.06A  
Smart 6-Button Panel(A series ) with Bronze  
Brushed Frame

Product Manual

Release : Oct 13, 2021

Version : V1.1



Figure1.Smart 6-Button Panel

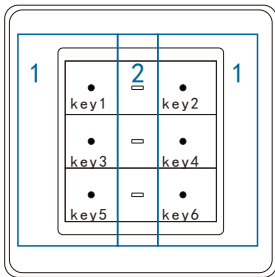


Figure2.Smart 6-Button Panel

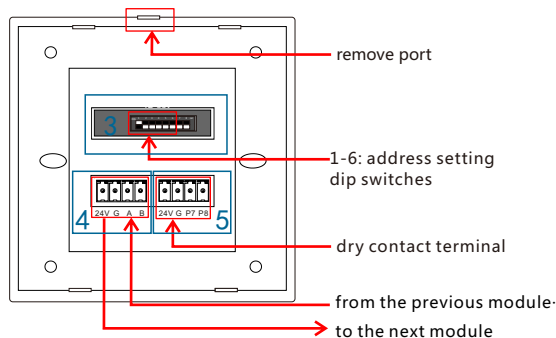
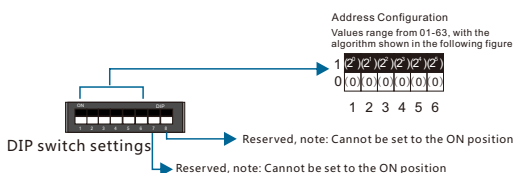


Figure 3. Panel Rear View



ID SET	1	2	3	4	5	6	7	8	ON OFF
ID01									
ID02									
ID03									
ID04									
ID05									
ID06									
ID07									
ID08									
ID09									
ID10									
ID11									
ID12									
ID13									
ID14									
ID15									
ID16									
ID17									
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ID57									
ID58									
ID59									
ID60									
ID61									
ID62									
ID63									

Figure 4. Address DIP Switch Table

## Product Overview

Smart 6-Button Panel (see Figure 1), Standard 86 bottom box installation, support seamless connection. Compatible with various materials and colors of faceplates. Features 6 keys, each with an independent LED indicator. Equipped with reset-type tactile switches. Mature structure and stable performance. Constructed from aluminum alloy using stamping and high-gloss finish processes. Available in antique bronze with a brushed finish.. Provides two IO inputs for connecting external sensors,.

## Function Description

- Standard 86 bottom box installation, support seamless connection.
- Provide 6 programmable keys, ICONS can be carved or text screen printing.
- Multi-stage Trigger Control: Supports short press, release after short press, long press, and release after long press actions to control lighting, curtains, scenes, etc.
- Dual Dry Contact Sensor Inputs.
- Sensor Interface Features: Optocoupler isolation with high-voltage/overcurrent protection for exceptional noise immunity and reliability..
- Standard Craftsmanship: Aluminum alloy stamping with high-gloss bronze brushed panel finish.
- Per-key Dual-color LED Indicators: Base-color LED and Activated-color LED.
- Supports RS485/YC-BUS communication.

## Precautions

- Use CAT5E or RVV4\*0.75 four-core wire for bus wiring.
- Do not connect the AB signal of the bus interface incorrectly, otherwise the bus signal will be abnormal.
- After accessing the bus, the panel address cannot be found. Determine whether the address is duplicated. Dial 7 and 8 to be in the OFF position.

## Product Information

Product Dimensions: See Figures 6 and 7

Installation opening size, see Figure 9

Product Information: See Figure 2 and 3

1. Operation keysKey trigger.

2. Panel background indicator.

3. ID Setting:

DIP switch positions 1-6 for address setting (range: 01-63). (See Figure 4)

ID Algorithm:  $ID = A1 \times 2^0 + A2 \times 2^1 + A3 \times 2^2 + A4 \times 2^3 + A5 \times 2^4 + A6 \times 2^5$

Note (See Figure 5): An represents the binary value (0 or 1) of DIP switch position n (n=1~6).

4. Bus Interface: 24V, GND, A, B.

5. Dry Contact Interface: 24V, GND, P7, P8.

## Product Installation

See Figures 11

- Step 1. Disassembly port, use a small knife to pry the gap of the disassembly port can be removed, 4 disassembly port, same as above.
- Step 2. Mounting port, mounting screw with M4\*25, install to the appropriate position.
- Step 3. During installation, check whether the panel is installed in the wrong direction.
- Step 4. After installation, remove the key cover, align it with the hole, and install it properly.

## Safety Warning

- Tightening torque should not exceed 0.4 Nm.
- Installation location: Wall or distribution box
- Do not connect the YC-BUS interface incorrectly, as it may damage the equipment.
- The YC-BUS interface must not be connected to AC power; otherwise, it will damage all devices on the bus.
- Ensure a good ventilation environment.
- Do not expose to rain, contact with other liquids, or corrosive gases.

## Packing List

- Smart key panel\*1/User Manual\*1/Certificate of Conformity\*1

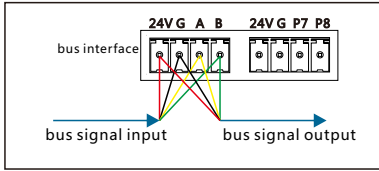


Figure 5. Description of bus interface wiring

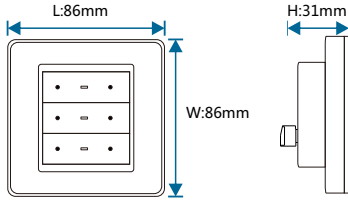


Figure 6. Dimensional Drawing - Front View Figure 7. Dimensional Drawing -Sideview

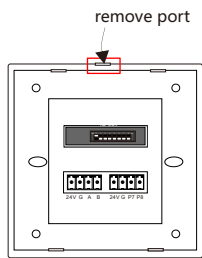


Figure 8. Remove port

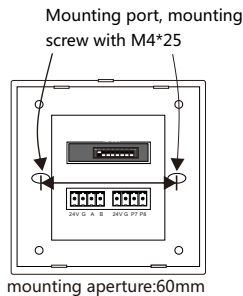


Figure 9. Mounting port

Installation direction, Follow the arrow direction of Figure 10

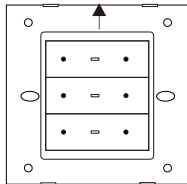


Figure 10. Mounting direction

Figure 11. Disassembly and installation

## Technical support

Service Hotline: 86-18029750069

working hours: 9:00-12:00,13:00-18:00,From Monday to Friday)

Email:ceshi@easyctrlg.com

website: <http://www.easyctrlg.com>



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## Technical Parameters

### Basic Parameters

Operating Voltage	24VDC±10%
Operating Power Consumption	0.5W
Standby Power Consumption	0.3W
Number of Keys	six keys
Key Category	reset touch key
Appearance Color/Material	bronze / brushed frame
Bus Interface	bus interface*1
Sensor Interface	dry contact interface*2, providing switch signal input

### External Environment

Operating Temperature	0℃~45℃
Operating Relative Humidity	20% ~ 93% RH
Storage Temperature	-40℃~55℃
Storage Relative Humidity	10% ~ 93% RH

### Product Specifications

Dimensions ( L*W*H )	86mm*86mm*31mm
Net Weight	126g/pcs
Installation Method	standard 86 bottom box mounting(see Figure 9)

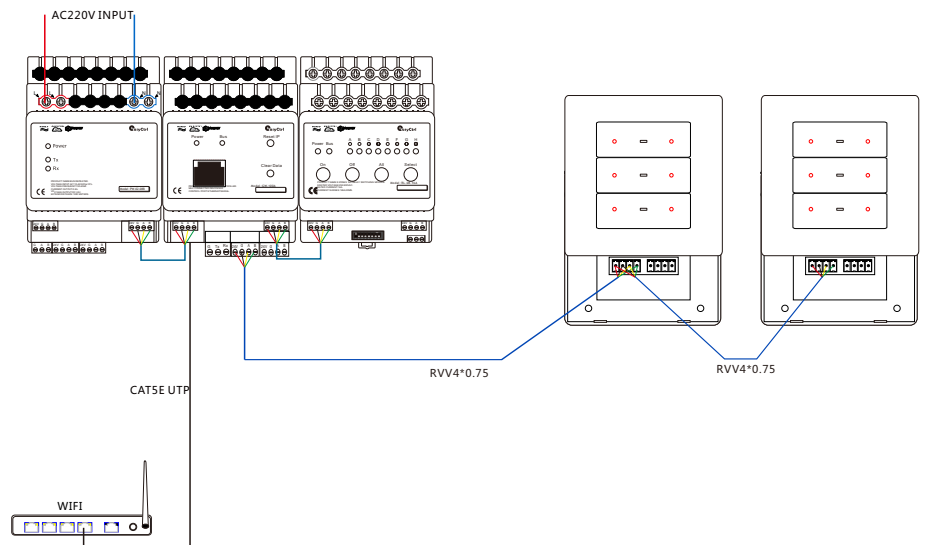
### System Diagram



Notebook



Mobile terminal  
(IOS/Android)



## Bus Specification

Bus interface	4-core wire : RVV4*0.75	UTP : CAT5/CAT5E
24V	RED	BROWN WHITE/BROWN
GND	BLACK	BLUE WHITE/BLUE
A	YELLOW	ORANGE WHITE/GREEN WHITE
B	GREEN	ORANGE/GREEN