easyCtrl®

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

Product Manual

Release : Oct 13, 2021
Version : V1.1

Firgue1.Smart 6-Button Panel

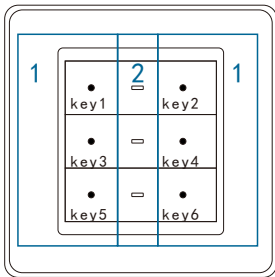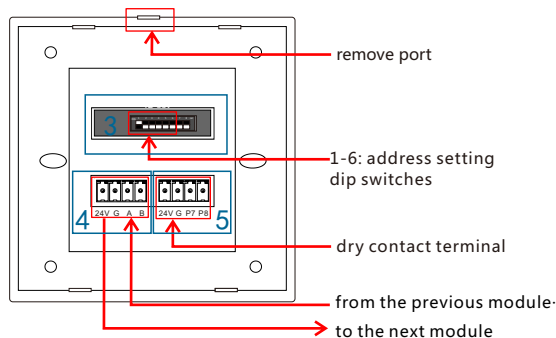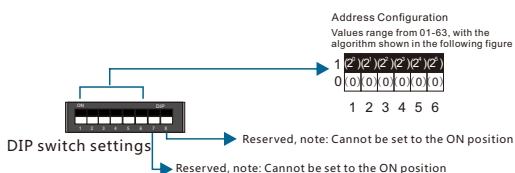Firgue2.Smart 6-Button Panel

Figure 3. Panel Rear View

- remove port
- 1-6: address setting dip switches
- dry contact terminal
- from the previous module·
- to the next module

Address Configuration
Values range from 01-63, with the algorithm shown in the following figure

DIP switch settings
Reserved, note: Cannot be set to the ON position
Reserved, note: Cannot be set to the ON position

Figure 4. Address DIP Switch Table

Product Overview

Smart 6-Button Panel (see Figure 1), Standard 86 bottom box installation, support seamless connection. Features 6 keys, each with an independent LED indicator. Equipped with reset-type tactile switches. Mature structure and stable performance. Framed with tempered glass. 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..
- Premium Construction: Glass-bezel panel with industry-standard craftsmanship.
- 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
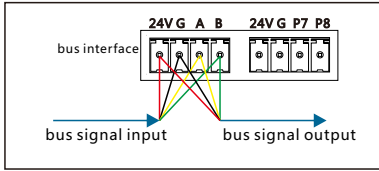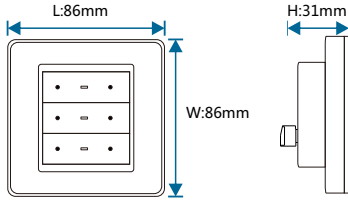
Figure 5. Description of bus interface wiring

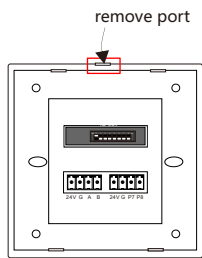Figure 6. Dimensional Drawing - Front View Figure 7. Dimensional Drawing -Sideview
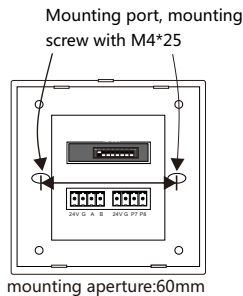

Figure 8. Remove port

mounting aperture:60mm

Figure 9. Mounting port
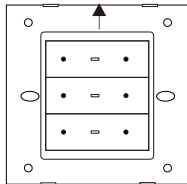
Figure 10. Mounting direction

Figure 11. Disassembly and installation

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	white / glass 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

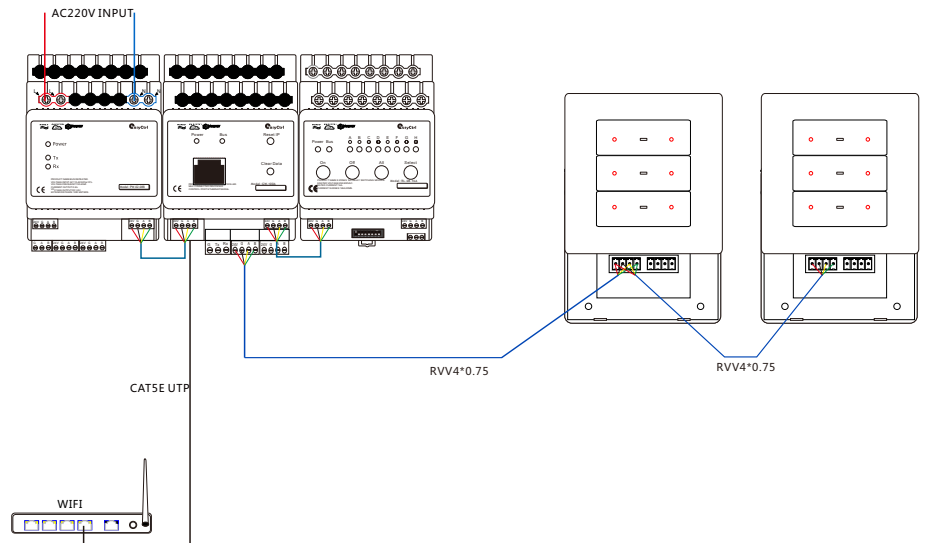|	
Dimensions (L*W*H)	86mm*86mm*31mm
Net Weight	126g/pcs
Installation Method	standard 86 bottom box mounting(see Figure 9)

System Diagram

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