



YC-TP.40A
4 Inch Smart Touch Screen

Product Manual

Release : July 22, 2022
Version : V1.2

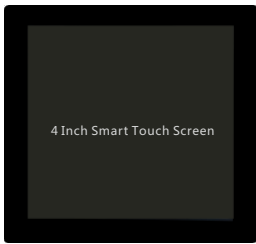


Figure 1. 4 Inch Smart Touch Screen

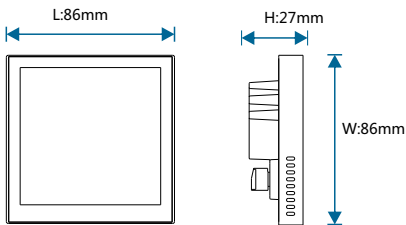


Figure 2. Dimensional Drawing - Front View Figure 3. Dimensional Drawing -Sideview

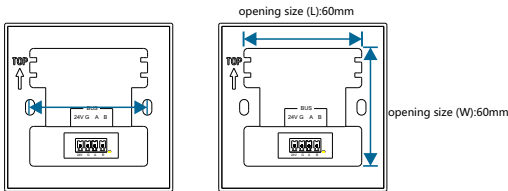


Figure 4.Installation hole position diagram Figure 5.Opening size drawing

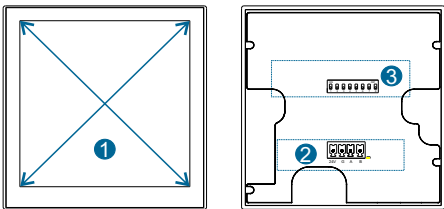


Figure 6. Product Information

Product Overview

4 Inch Smart Touch Screen, serves as a system control unit , typically installed in the local, to achieve light switching, dimming, curtain opening and closing, single control or scene control of music and other equipment, data display, temperature, humidity, illumination, PM2.5, etc.

Function Description

- Standard 86 bottom box installation, support multiple panel seamless cascading.
- Supports 36 programmable keys.
- 4 inch TFT 6,5000 color true color industrial grade screen, 480×480 high resolution.
- A single operation can trigger multiple instructions, supporting two-way communication.
- 32-bit dual-core processor, support multi-task process, powerful.
- The operation interface can be edited, and the graphical interface supports pictures, graphics, text, 3D keys and text boxes.
- Provide an open interface editing platform.
- Supports online firmware updates and Bus network disconnection alarm function.
- 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.
- The touch screen device cannot be found after the access bus, check whether the bus is connected.

Product Information

Product Dimensions: See Figures 2 and 3
Product Wiring: See Figure 4 and figure 5
Product Information: See Figure 6

1. Touch screen operation area.
- For specific Settings, please refer to the touch screen programming debugging manual.
2. Bus Interface: 24V, G, A, B.
LED Indicators:
 - Yellow light : Network indicator light; steady on indicates normal network connection, slow blinking indicates abnormal network connection.
3. Setting address: The factory address is 01, address setting is 01-63 (decimal), using a 6-bit dip dial, binary Dip mode, setting mode (see Figure 6), note: the back cover needs to be removed when dialing, see Figure 8.
4. SD card download port: used to download programs and update firmware.
5. Reset key: Press the touch screen to reset.

Product Installation

See Figures 8-10

- 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 touch 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

- YC-TP.40A*1/User Manual*1/Certificate of Conformity*1

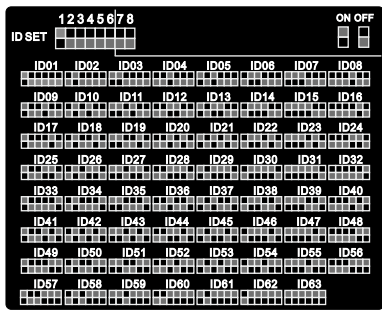
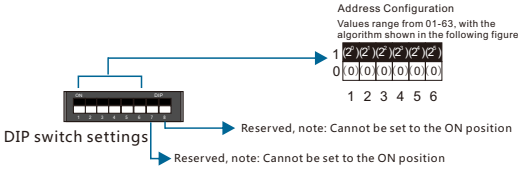


Figure 7. Address setting instructions

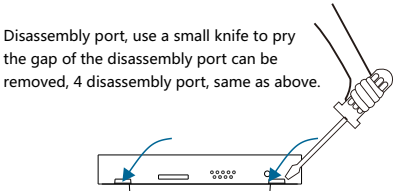


Figure 8. Disassembly port

Mounting port, mounting screw with M4*25

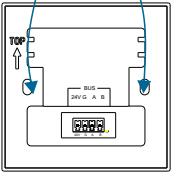


Figure 9. Mounting port

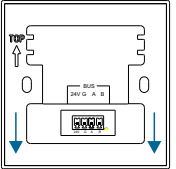


Figure 10. Installation direction

For the installation direction, see the arrow symbol in Figure 10

Technical support

Service Hotline: 86-18029750069

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

Email:ceshi@easyctrlgz.com

website: http://www.easyctrlgz.com



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This manual may be changed or updated without prior notice.

Technical Parameters

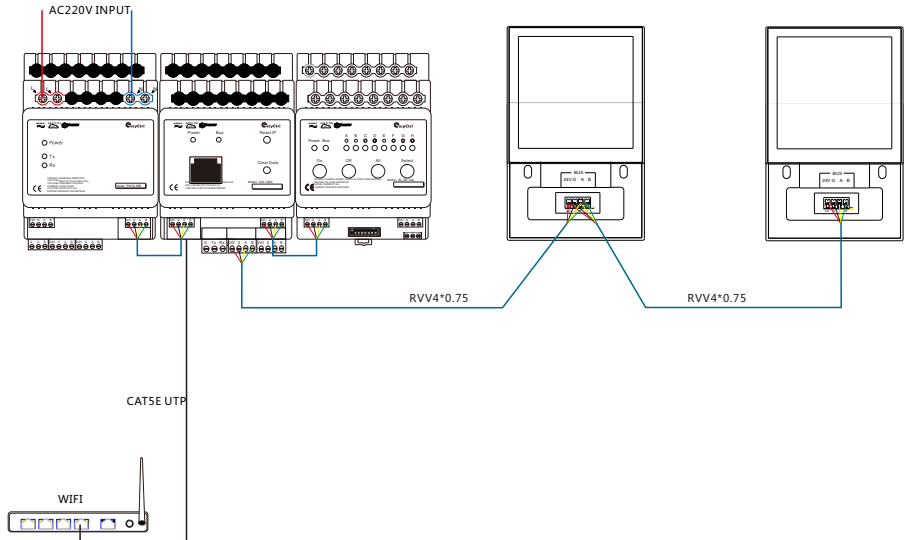
Basic Parameters	
Operating Voltage	24VDC±10%
Maximum Power Consumption	≤1.5W
Static Power Consumption	≤0.72W
Touch Control Mode	single point, sliding touch
Number Of Touches	the theory of infinite times and touch life is related to the working environment, dust and humidity
Resolution	480*480
Touch Type	capacitive touch screen
Display Type	TFT LCD screen
External Environment	
Operating Temperature	-5℃~45℃
Operating Relative Humidity	≤90%
Storage Temperature	-20℃~60℃
Storage Relative Humidity	≤93℃
Product Specifications	
Dimensions (L*W*H)	86mm*86mm*27mm
Net Weight	≤115g/pcs
Enclosure Material	plastic
Installation Method	standard 86 bottom box mounting (see Figure 8-10)
Opening Size (L * W)	60mm*60mm , Bottom box depth is greater than 40mm(see Figure 4-5)
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