

TP.70A 7 Inch Smart Touch Screen

Product Manual

Release: July 23, 2022

Version: V1.3



Figure 1. 7 Inch Smart Touch Screen

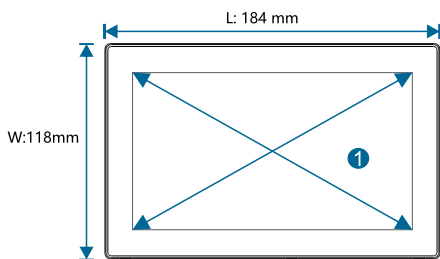


Figure 2. Dimensional Drawing - Front View



Figure 3. Dimensional Drawing - Top View



Figure 4. Dimensional Drawing - Bottom View

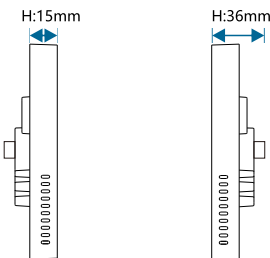


Figure 5. Dimensional Drawing - Left View

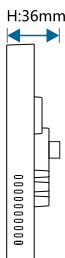


Figure 6. Dimensional Drawing - Right View

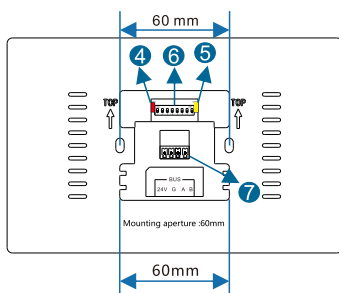


Figure 7. Dimensional Drawing - Back View

Product Overview

7 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-type back box installation, supports seamless cascading of multiple panels.
- Supports up to 255 programmable buttons.
- 7-inch TFT 65,000-color true-color industrial-grade screen with 1024×600 HD resolution.
- Single operation can trigger multiple commands, supports bidirectional communication.
- Equipped with a 32-bit dual-core processor, supports multi-tasking, powerful functionality.
- The operation interface can be edited, and the graphical interface supports pictures, graphics, text, 3D keys and text boxes.
- Supports 0, 90, 180, and 270-degree rotation for installation and display
- Provide an open interface editing platform.
- Supports online firmware updates and Bus network disconnection alarm function.
- Supports 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 6

Installation opening size, see Figure 6

1. Touch screen operation area.
2. Reset key: press the key to restart the touch screen.
3. SD card: used to download programs and update firmware.
4. LED1(red light): Power, power indicator.
5. LED2(yellow light): Bus, Network indicator light; steady on indicates normal network connection, slow blinking indicates abnormal network connection.
6. Address setting: The default address is 01, the address is set to 01-63 (decimal), using a 6-bit dial, binary dial mode, setting mode (see Figure 6).
7. Bus Interface: 24V, G, A, B.

Product Installation

See Figures 9-11

- 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 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

- TP.70A*1/User Manual*1/Certificate of Conformity*1

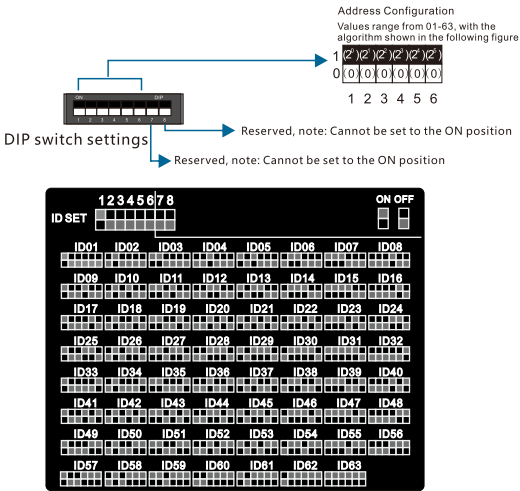


Figure 8. Address setting instructions

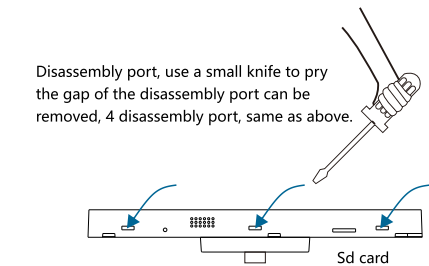


Figure 9. Disassembly port

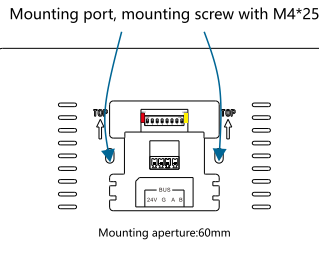
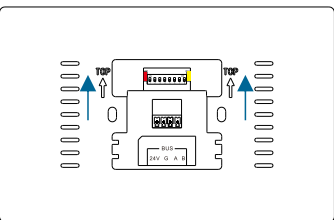


Figure 10. Mounting port



For the installation direction, see the arrow symbol in Figure 11

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>



2025 Guangzhou Easyctrl Intelligent Technology Co., Ltd. All rights reserved.
This manual may be changed or updated without prior notice.

Technical Parameters

Basic Parameters

Operating Voltage	24VDC±10%
Maximum Power Consumption	≤3.12W
Static Power Consumption	≤1.73W
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	1024*600
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)	184mm*118mm*15mm(maximum height:36mm)
Net Weight	≤391g/pcs
Enclosure Material	plastic
Installation Method	standard 86 bottom box mounting (see Figure 9-11)
Opening Size (L * W)	60mm*60mm, Bottom box depth is greater than 40mm(see Figure 4-5)

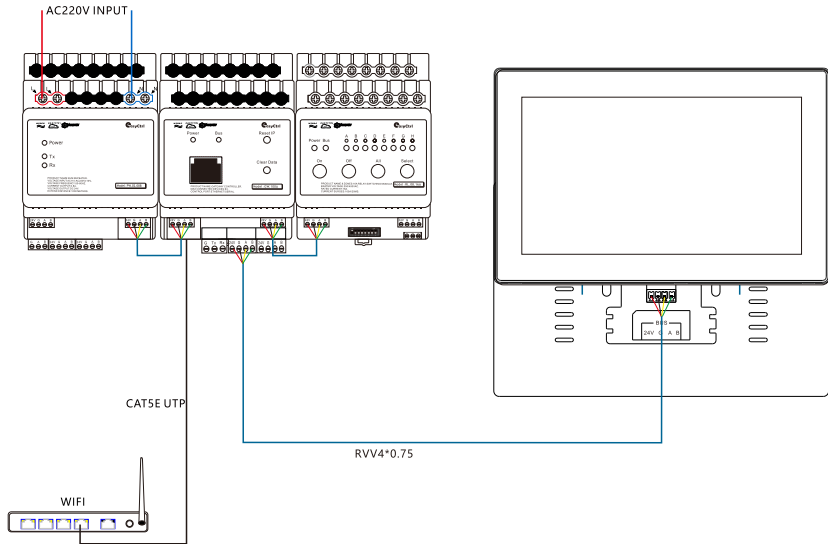
System Diagram



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