easyCtrl®

PLC.TP04D
PLC-4 Inch Smart Touch Screen

Product Manual
Release : Augst 16, 2023
Version : V1.0

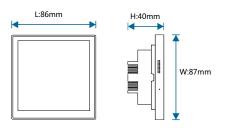Figure 1. PLC Smart Touch Screen

L:86mm   H:40mm

W:87mm

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

opening size (L):60mm

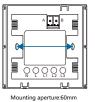opening size (W):62mm

Mounting aperture:60mm

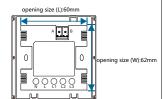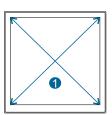Figure 4.Installation hole position diagram   Figure 5.Opening size drawing
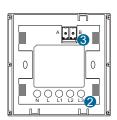

Figure 6. Product Information

Product Overview

PLC-4 Inch Smart Touch Screen, this product operates without requiring a master controller for networking and communicates directly with PLC drivers, functioning similarly to a compact host device. Designed for individual spaces, it supports control of 32 lighting channels and 32 customizable scenes. It also enables system networking by connecting to gateway hosts and PLC master controllers.

Function Description

- Standard 86 bottom box installation, supports seamless cascading of multiple panels for streamlined control.
- 4-inch TFT Industrial Display 65K true-color , 480×480 high resolution.
- PLC networking technology, Enhances system stability and reliability through deterministic 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

- Do not perform operations on energized equipment. Ensure no short circuits exist before powering on.
- Use 2.5 mm² insulated wires for high-power input/output ports.

Product Information

Product Dimensions: See Figures 2 and 3
Installation opening size: 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. High-Power & Prewired Interfaces:
- Power input interface: Terminal 1 (N) for Neutral wire, Terminal 2 (L) for Live wire. The terminals can accommodate wires up to 4 mm².
- Prewired interfaces: L1, L2, L3 are prewired interfaces.
3. Prewired interfaces (see Figure 6).

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 ⚠ WARNING

- Tightening torque should not exceed 0.4 Nm.
- Installation location:Wall or distribution box
- Neutral and live wires must not be reversed during connection, otherwise , it will damage all devices.
- Ensure a good ventilation environment.
- Do not expose to rain, contact with other liquids, or corrosive gases.

Packing List

- PLC.TP04D*1/User Manual*1/Certificate of Conformity*1

Use the small Phillips head screwdriver provided in the package to remove the two screws at the bottom. Then, push the bottom part backward and downward to detach the bottom cover.
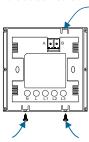

Figure 7. Disassembly port
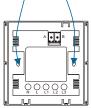
Mounting port, mounting screw with M4*25

Figure 8. Mounting port

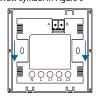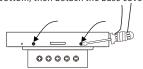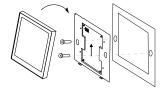For the installation direction, see the arrow symbol in Figure 9

Figure 9. Installation direction

Step 1: Use the small screwdriver from the accessory kit to remove the two screws at the bottom, then detach the base cover.

Step 2: Fix the base cover to the wall-mounted 86 junction box using M4×25 screws. Tilt the panel downward and align its top edge with the mounting slots. Press the bottom section firmly until an audible click confirms full engagement. Tighten the bottom screws to complete installation.

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

Technical Parameters

Basic Parameters

Operating Voltage	AC220V ±10% , 50/60Hz
Standby Power Consumption	≤1.7W
PLC Communication Range	300 meter
PLC Device	supports 128 sub-nodes, configurable into 32 control groups
Dimming Modes	supports single-color and dual-tone dimming
Resolution	480*480
Touch Type	4-inch IPS capacitive touchscreen
Project Download	SD card download

External Environment

Operating Temperature	-5℃~45℃
Operating Relative Humidity	≤90%
Storage Temperature	-20℃~60℃
Storage Relative Humidity	≤93℃

Product Specifications

Dimensions (L*W*H)	87mm*86mm*40mm
Net Weight	≤205g/pcs
Enclosure Material	plastic
Installation Method	standard 86 bottom box mounting (see Figure 7-9)
Opening Size (L * W)	60mm*60mm , Bottom box depth is greater than 40mm(see Figure 4-5)

System Diagram