



ER3100CT Operating Instructions

GEYER

1. Wiring Diagram & Transformer

Connect the power supply to the N and L terminals, the voltage is 90-240VAC. Connect the transformer to the 1 and 2 terminals, open the transformer, pass the live wire of the load circuit through the transformer, and close the transformer. The wiring diagram is on the last page of this manual.

2. Download and Install App

Connect your phone to local wifi first. Use your phone to scan any one of the QR code below to Download and install the App or download the GEYER Smart app from Play store or App store.

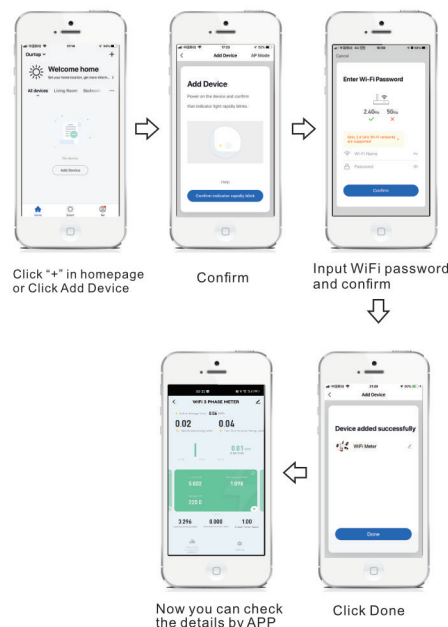
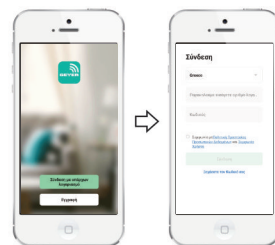


4. Add New Device

Touch and hold the button for about 5 seconds until the Green LED light blinks fast.



3. Register Account



Click "+" in homepage or Click Add Device

Confirm

Input WiFi password and confirm

Now you can check the details by APP

Click Done

ER3100CT Operating Instructions

GEYER

5. Meter Function



In the App can display:
Total Active Energy (kWh)
Total Forward energy (kWh)
Total Reverse energy (kWh),
Current Ele (A),
Current Power (kW),
Total Active Power (kW),
Total Reactive Power (kVar)
Overall Power Factor



When the measured power is less than 3 W, then the App display of Current Power(W) and Current Ele(mA) are "0", but consumption of electricity accounting into the accumulation.

Click "B" or "C" to check Line B and C

6. Energy statistics



Click "Electricity Consumption Statistics"

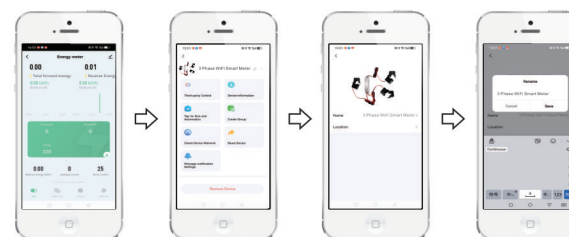
Can check every Day, Every month, and one Year Energy

Can select

Total Forward Energy

Total Reverse Active Energy

7. Modify Device Name



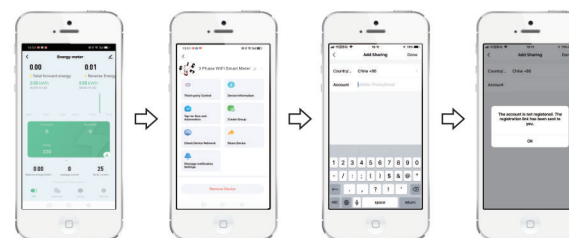
Click this mark in the upper right corner

Click this mark in the upper right corner

Click "Name"

Change the name, and confirm

8. Share Device



Click this mark in the upper right corner

Click "Share Device"

Input the cell phone number, and confirm.

The new phone Number can receive a message, to down the App, and accept is OK.



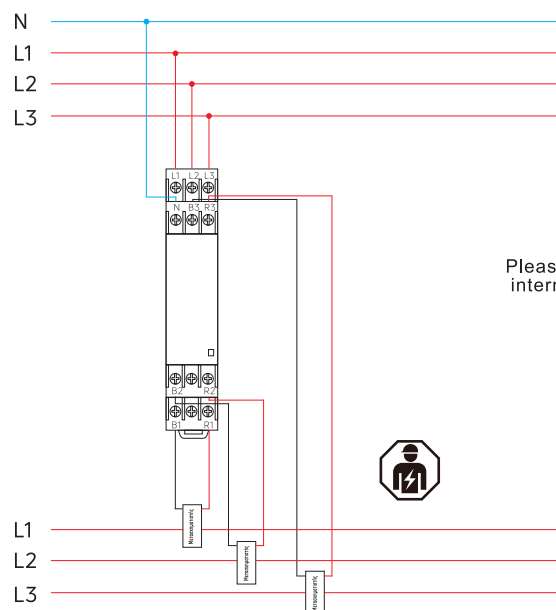
ER3100CT Operating Instructions

GEYER

9. Specification:

- Rated Voltage: 100-240VAC 50-60Hz
- Rated Current: 100A 250VAC
- WiFi Frequency: 2.4GHz
- Mounting DIN Rail 35 mm(EN 60715)
- Ambient temperature range: -10°C...+60°C
- If the product is disconnected from the Internet, you will not see the current product accurate data on the APP
- If the product is powered off, the current accurate data will continue to be displayed after the product calls, without reconnecting to the network. The previous data is retained.
- Can be share with 20 users by Mobile App.
- Bidirectional Metering.
- The current transformer can open

10. Connection Diagrams:



Please carefully check the direction of the internal P1 to P2.



Wiring precautions:

- 1) After opening the transformer, you must carefully check the direction of the internal P1 to P2.
Current direction P1 to P2: measure the positive active power;
Current direction P2 to P1: measure the reverse active power.
- 2) The transformer has 2 wires, one black and the other red:
L1 wire: The black wire of transformer 1 must be connected to the B1 terminal, and the red wire must be connected to the R1 terminal,
L2 wire: The black wire of transformer 2 must be connected to the B2 terminal, and the red wire must be connected to the R2 terminal,
L3 wire: The black wire of transformer 3 must be connected to the B3 terminal, and the red wire must be connected to the R3 terminal,
Note that the above terminals cannot be connected incorrectly.

ER3100CT Operating Instructions

GEYER

11. Dimensions:

