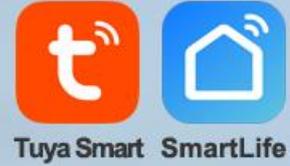


WiFi Smart Two-way Meter Auto-reclosing Protector



USER MANUAL

Overview

This all-in-one design smart IOT device applied to AC110V or 220V/230V, 50/60Hz, rated current up to 63A single phase circuits in resident, commercial and industrial buildings with 2.4G WiFi, is a bi-directional measuring two-way meter to measure both positive active energy consumption on grid and negative active energy from solar, and offers prepayment as option; to remote control and set protections against over/under voltage, overcurrent, residual current(leakage), high temperature via mobile App anytime anywhere; and auto reclosing after protected conditions recovery to achieve non-attended management; programmable timing control to make your scheduled life efficiently and save electricity, and sharing device with your family or persons concerned in your team. It also supports local manual control without WiFi, and voice control through AI speaker, such as Amazon Alexa, Google Assistant, Yandex Alice, and etc.

Main specifications

Poles: single phase 2P;

Rated voltage: AC110V or 220V/230V (over/under voltage protection adjustable);

Rated current: 1~63A adjustable;

Frequency: 50/60Hz;

Display: LCD with backlight

Mounting: 35mm din-rail;

Functional features

01. Four options on control:

- Remote control anytime anywhere (mobile app, Tuya Smart, Smart Life)
- Voice control (AI speaker, Alexa, Google, Alice, ...)
- Timing control (programmable schedule)
- Manual control (by button)

02. Monitor real-time electricity statistics on phone (A, V, mA, kW, kW/h, °C);

03. Bi-directional measuring positive and negative active energy consumption;

04. Prepaid metering mode available as option by switch;

05. Adjustable protections against over/under voltage, overcurrent, residual current(leakage), high temperature;

06. Overcurrent protection: 1~63A adjustable, 63A as default (alarm disable as option);

07. Over voltage protection: 120~300V adjustable, 275V as default (alarm disable as option);

08. Under voltage protection: 80~210V adjustable, 175V as default (alarm disable as option);

09. Residual current(leakage) protection: 10~99mA adjustable, 50mA as default (alarm disable as option);

10. Temperature protection: 10~85°C adjustable, 80°C as default (alarm disable as option);

11. Auto-reclosing after protected conditions recovery (disable as option);

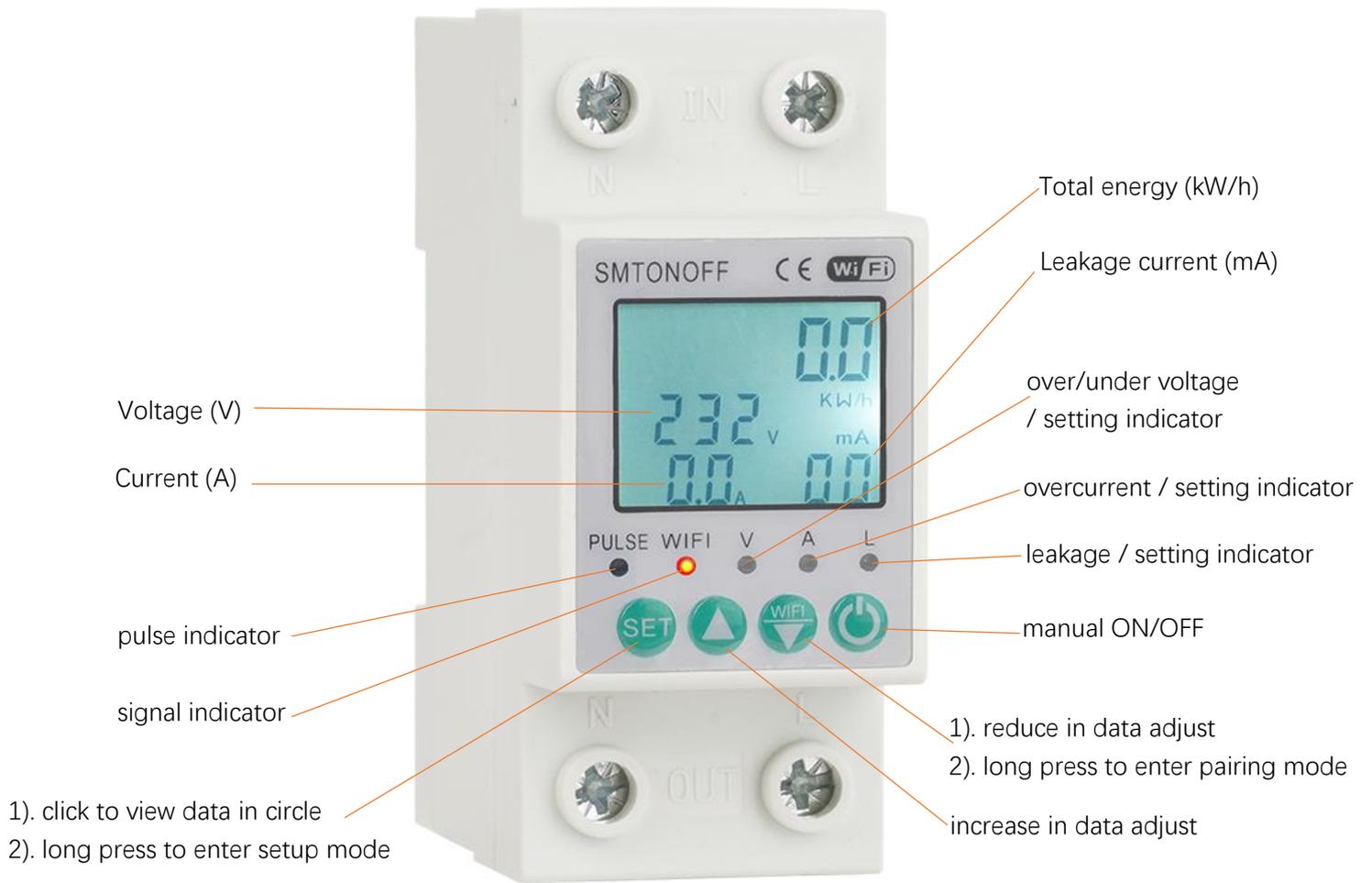
12. Reclosing time delay: 1~99s adjustable, 30s as default;

13. Reclosing times allowed: 1~30 adjustable, 5 as default;

14. Local manual setting and operation on device (no need WiFi support);

15. Four modes timing schedule programmable on App;

16. Device sharing among family or your team;



51mm



36mm

45mm



85mm

65mm

How to add device in APP

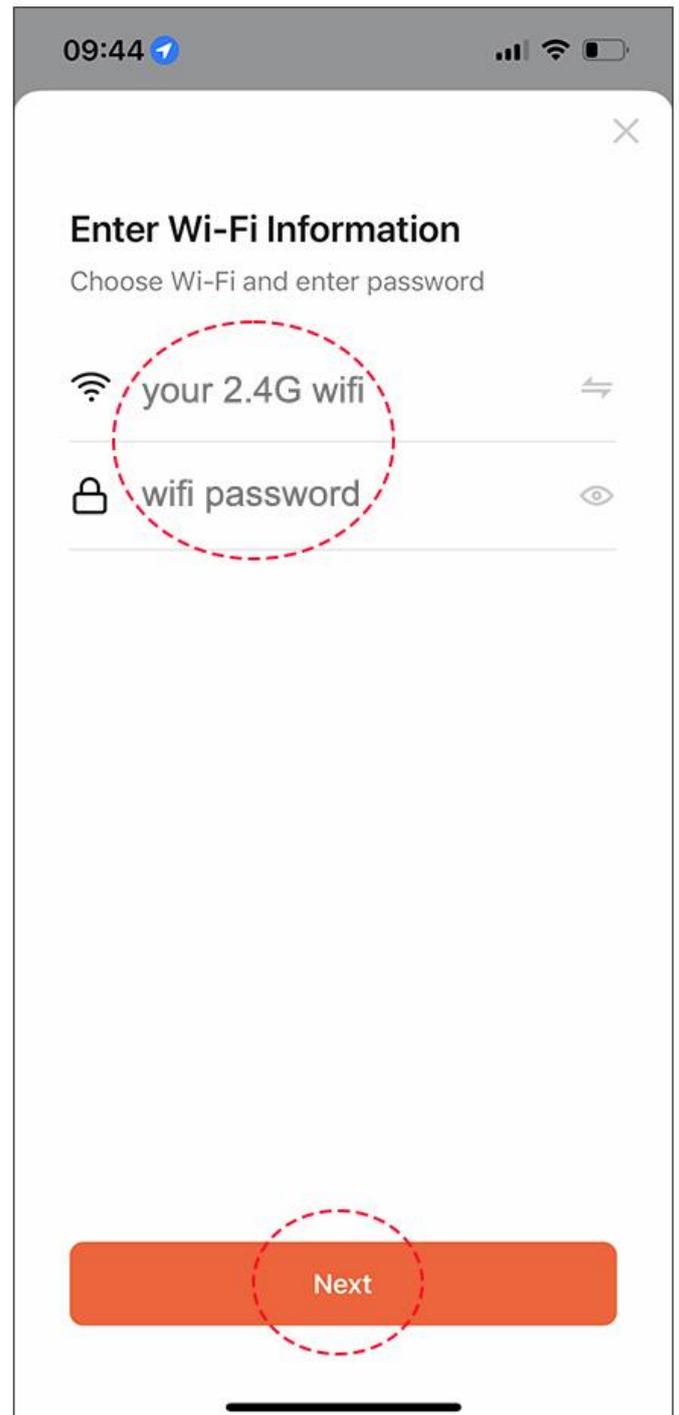
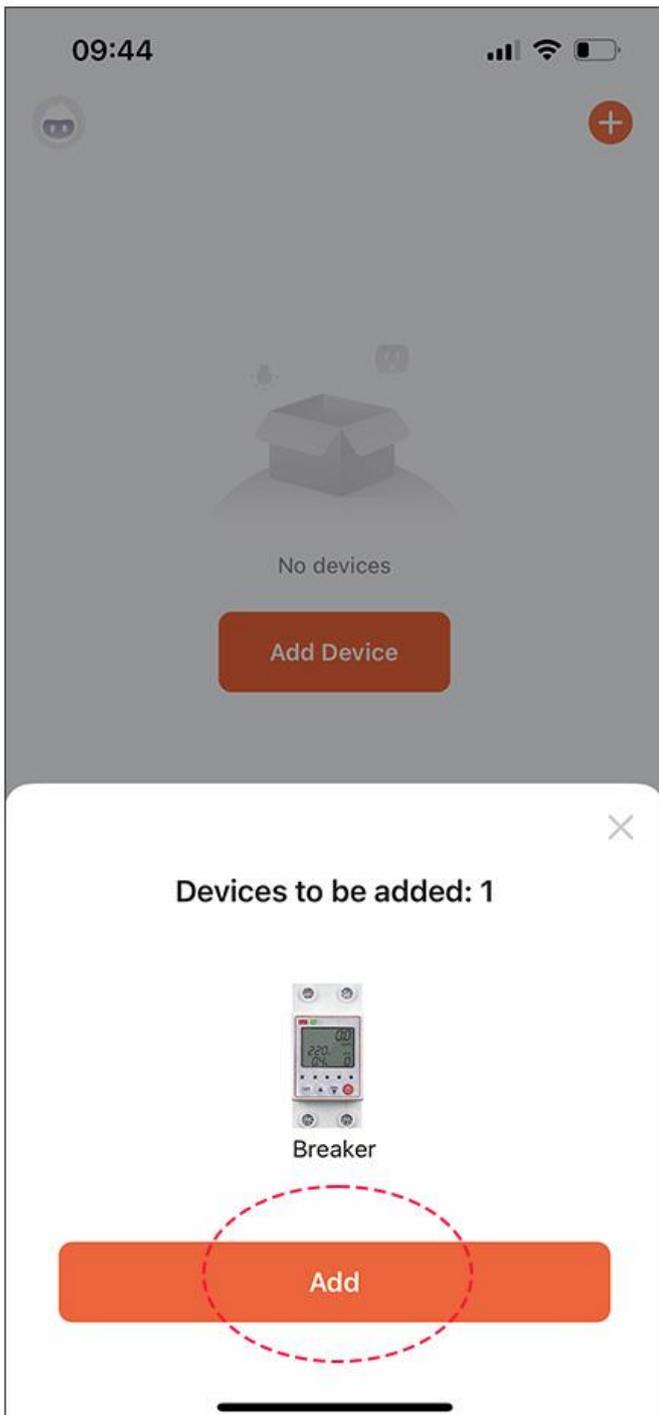
1). Download and install APP on mobile, and register with your phone number;

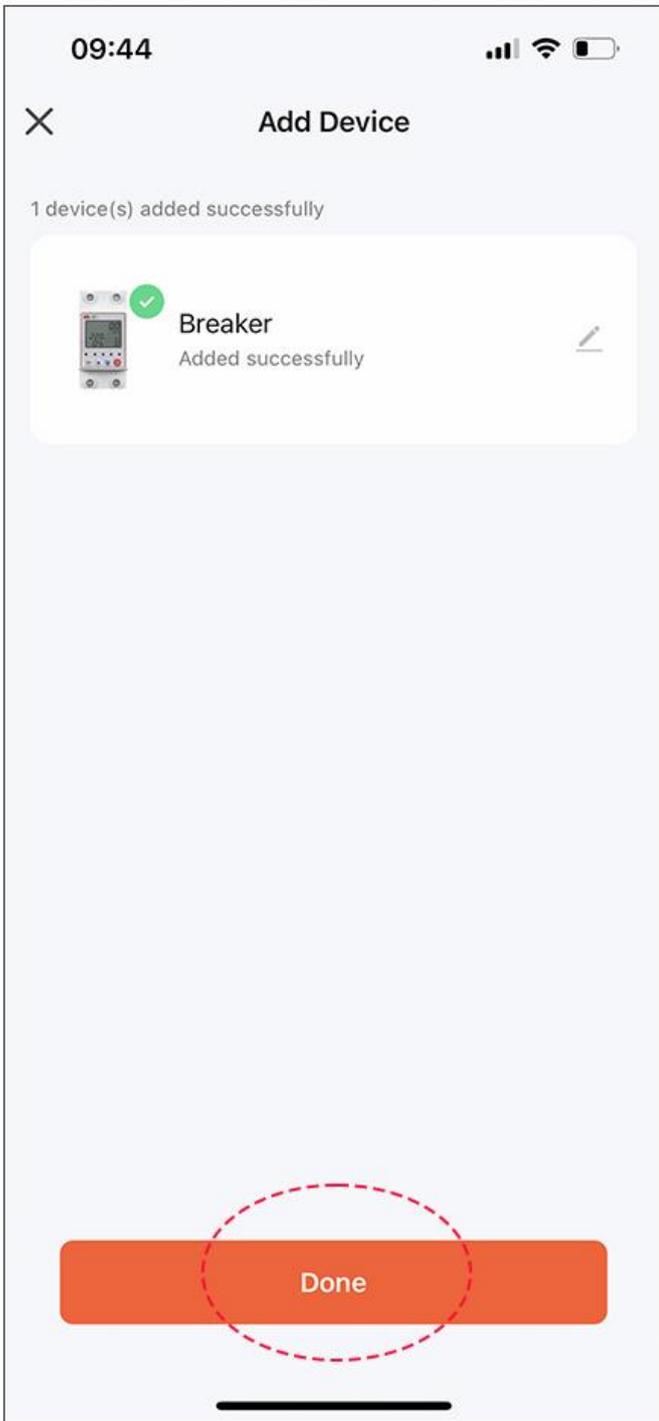


Tuya Smart

2). Power on the meter, it will auto close after time delay countdown 30s, then long press  for seconds, the signal indicator flash fast to enter pairing mode;

3). Start Tuya Smart app on mobile, goes as following step by step;





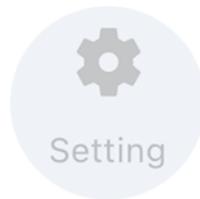
Remote ON/OFF on mobile



Timing schedule programmable here



Enter prepaid metering mode



Adjust protection parameters

Local manual operation and settings

1). Data View on device

Click **SET** to view data and settings on the device, it will display as following in circle:



real-time kw/h, V, A, mA



over voltage setting value



under voltage setting value



over current setting value



leakage setting value



auto reclosing delay time



auto reclosing allowed times



positive active energy



real-time temperature °C



negative active energy

2). Manual Setting on device

Long press  for seconds, to enter setup mode, the display value flash and indicator lights, adjust value by  or ; shift items by 



over voltage setting

adjust by  or 

shift items by 

under voltage setting

adjust by  or 

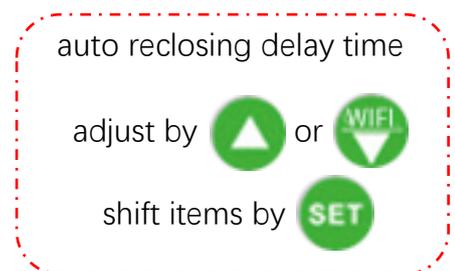
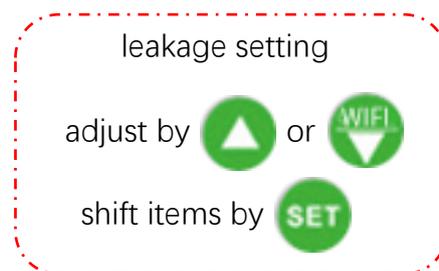
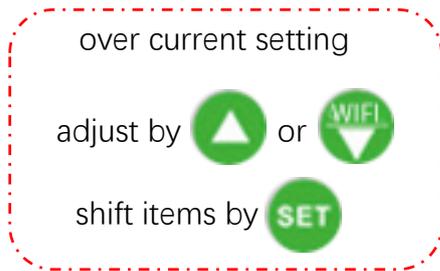
shift items by 



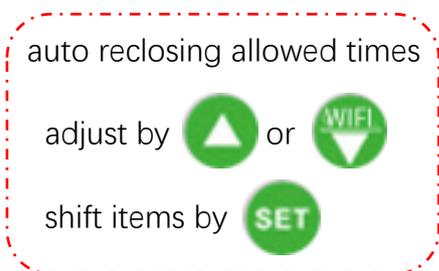
SET



SET



SET



Note:

All these manual settings offered as option for non WiFi application. If with good WiFi condition, they are more easier to achieve in Tuya app on mobile, recommended to user's daily operation.

Wiring diagram

