



ETEK

Adjustable multifunctional protective socket



Instruction manual

I. Application

Adjustable multifunctional protective socket is an intelligent protector integrated with over-voltage protector, under-voltage protector, over-current protector and leakage protector. In case of over-voltage fault, under-voltage fault, over-current fault or leakage in line, this product can instantly power off to prevent electrical equipment from being burnt. The over-voltage, under-voltage, over-current and leakage protection values of this product can all be set up by yourself and can be adjusted on the basis of local practical condition.

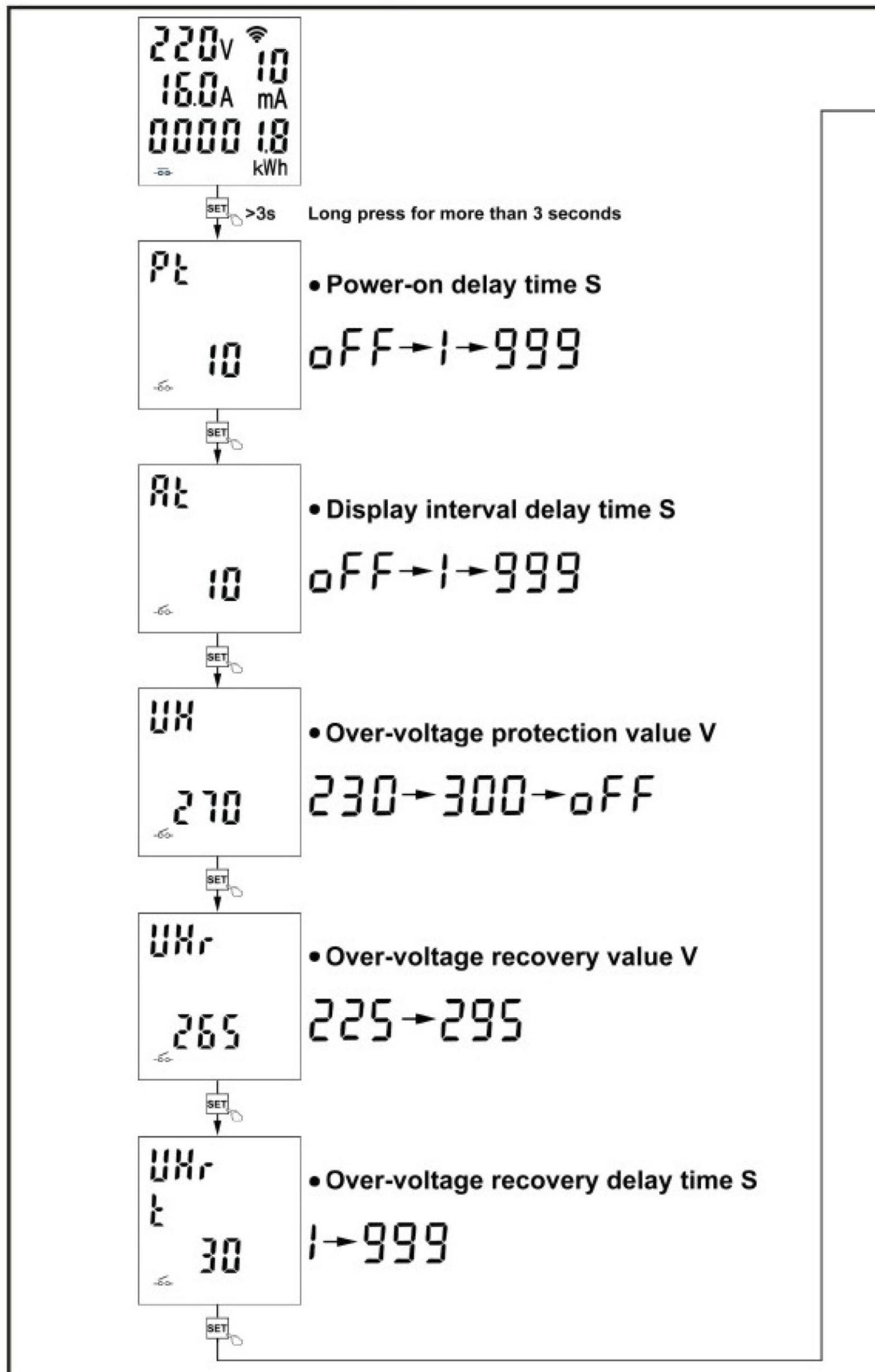
II. Product features

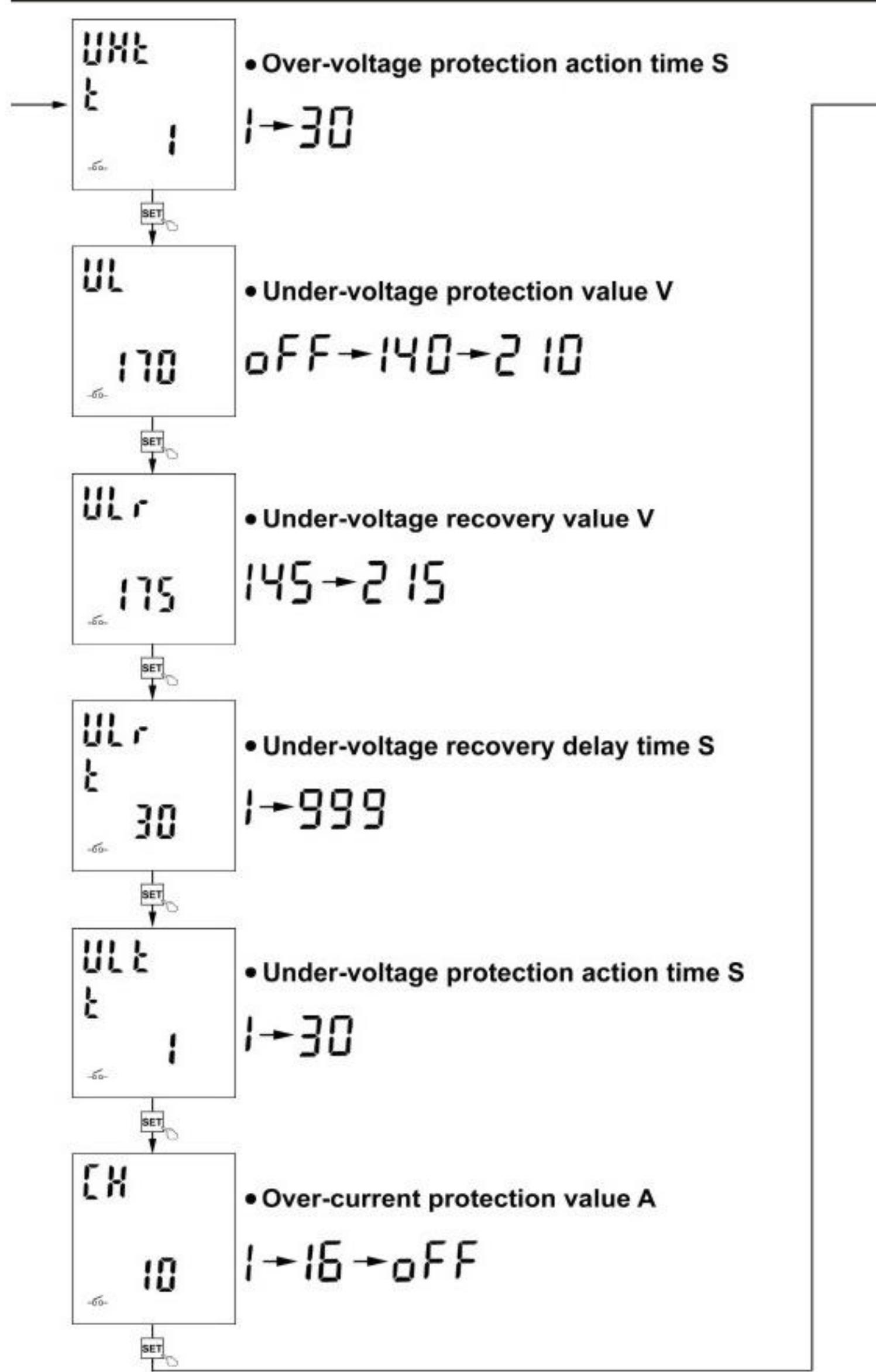
- 2.1 In case of over-voltage fault, under-voltage fault, over-current fault or leakage in single phase line, the product can power off the line and can automatically restore connecting the line over a time delay after voltage or current of the line is recovered to normal condition.
- 2.2 In case of transient over voltage in line, the product can protect the equipment from false operation.
- 2.3 In case that the line subjects to unstable voltage or sudden power-off and power-on due to loosened connection and other fault, the product will disconnect the line.
- 2.4 When fault voltage of the line reaches the peak, the product itself will not be damaged.
- 2.5 The protector can display voltage, current, kilowatt, power factor, frequency, kilowatt-hour and prepaid power value.

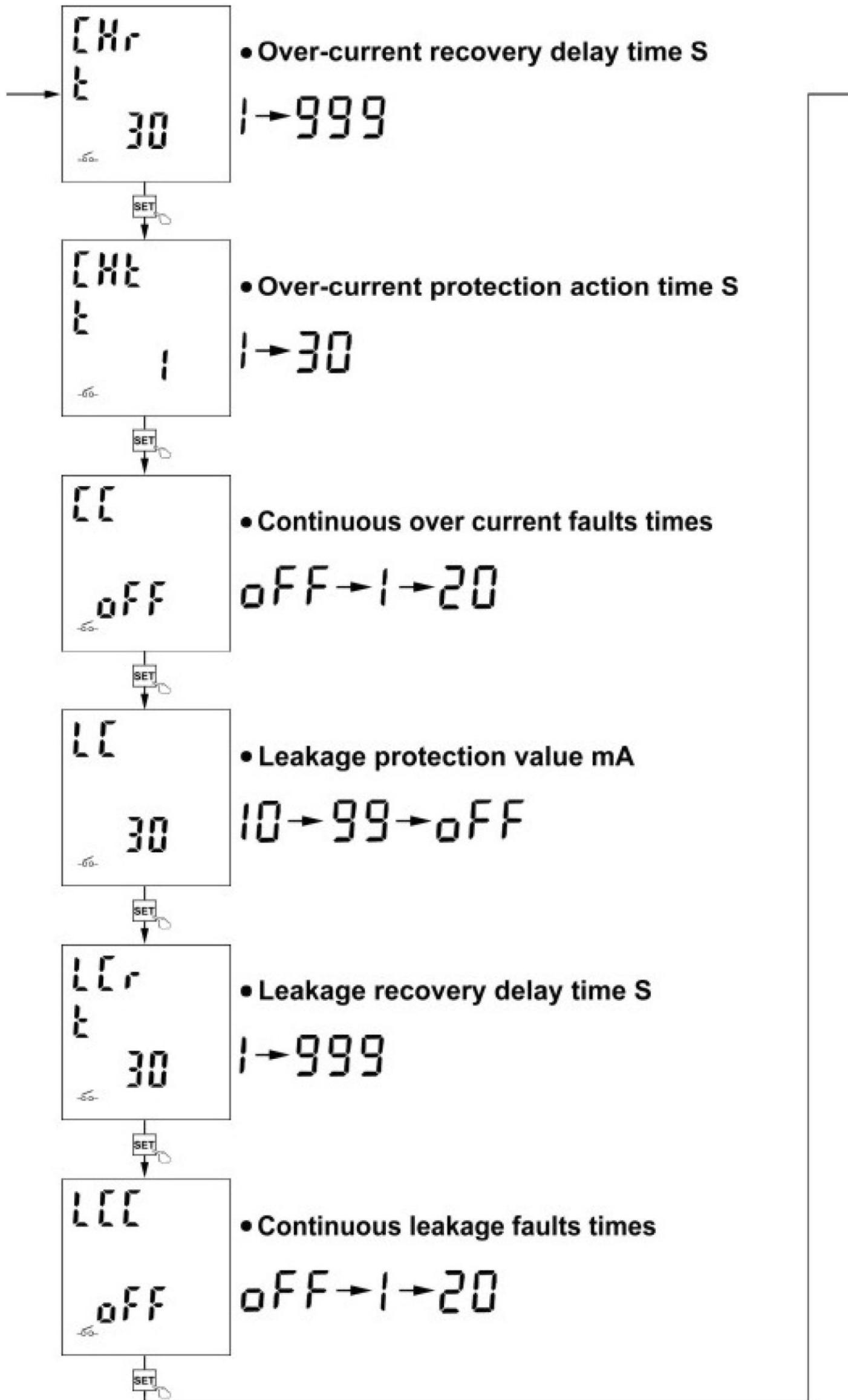
III. Main technical parameters

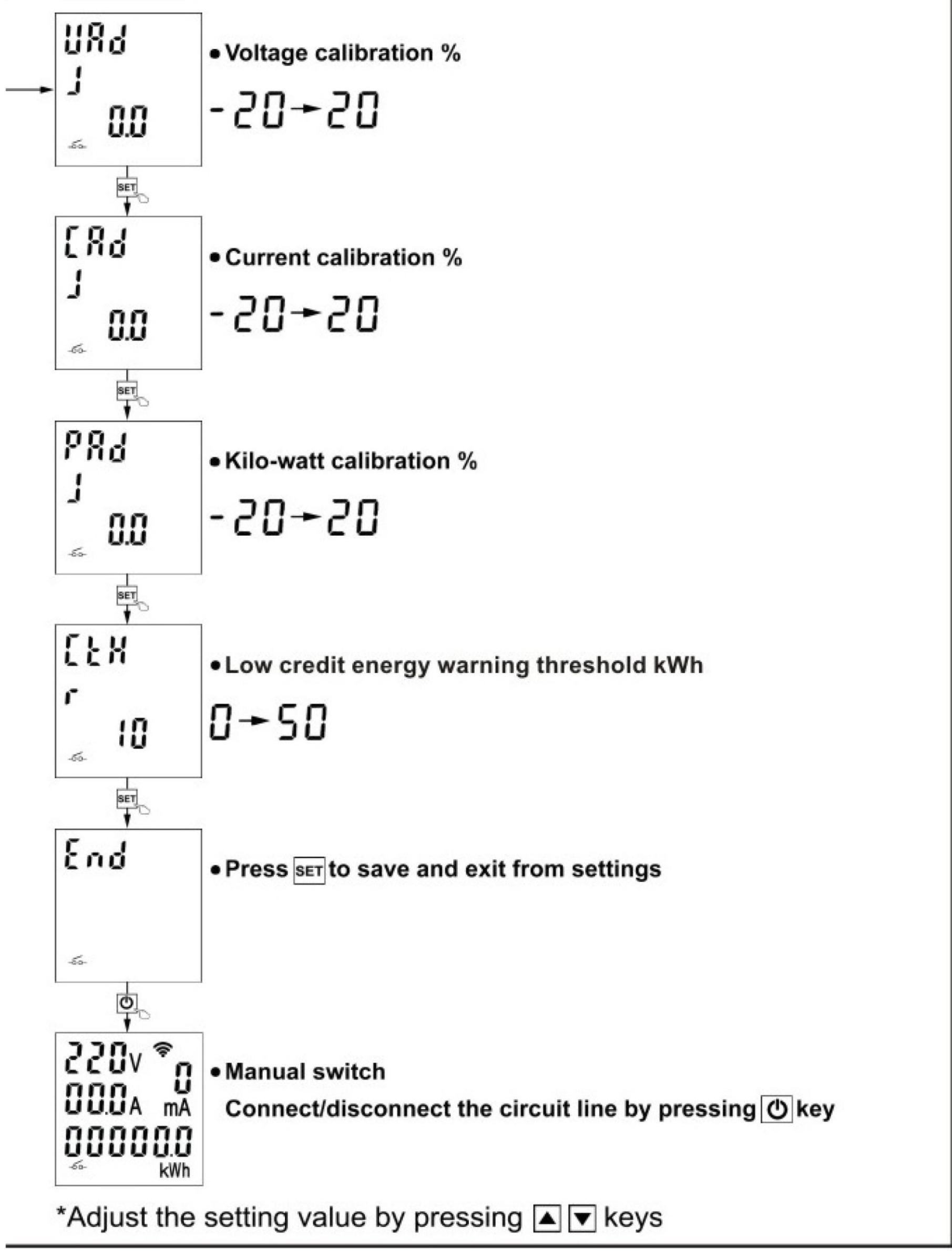
Function	Technical Parameter	Function	Technical Parameter
Input voltage	AC 140–300V	Power-on/ display interval delay time	1–500s default 10s
Over-voltage protection value	230–300V default 270V	Over-voltage recovery value	225–295V default 265V
Under-voltage protection value	140–210V default 170V	Under-voltage recovery value	145–215V default 175V
Over-current protection value	16A:1–16A default 16A	Over-current recovery value	0.5–15.5A
Leakage protection value	10–99mA default 30mA	Voltage/ current/ kW calibration	-20–20%
Recovery delay time	1–500s default 30s	Action time	0.1–30s default 1s
Continuous over current/ leakage faults times			1–20 times default OFF
Power consumption	$\leq 2W$	Electrical and mechanical life	≥ 100000 cycles
Boundary dimendion	122 × 55 × 86MM	Socket type	Universal, UK,EU,US

IV.Product setting









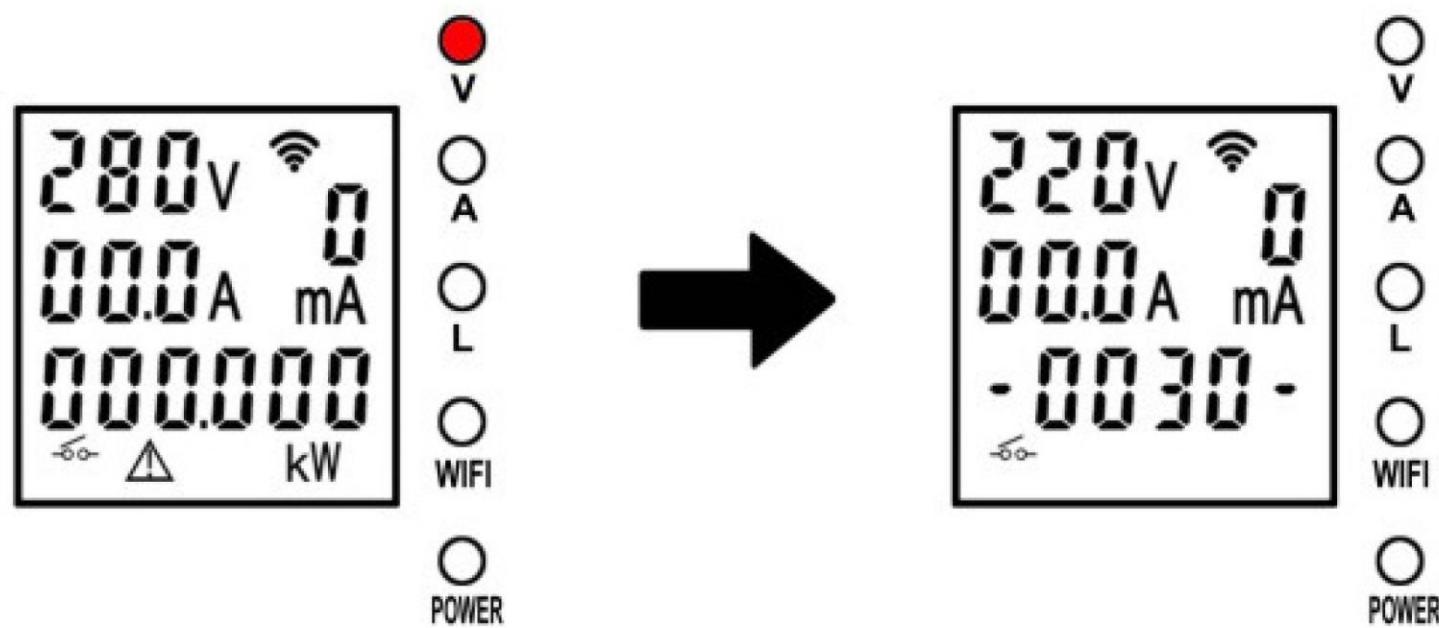
V.Panel indicator lamps and keys instructions



- ① Over/Under-voltage alarm indicator
- ② Over-current alarm indicator
- ③ Leakage alarm indicator
- ④ WIFI indicator
- ⑤ Power indicator
- ⑥ Manual switch
- ⑦ Set key: Long press for 3 seconds to enter the setting interface
- ⑧ Adjustment key +
Test key: Long press for 3 seconds to test the leakage
- ⑨ Adjustment key -
WIFI key: Long press for 3 seconds to configure the Wifi

VI. Protection display description

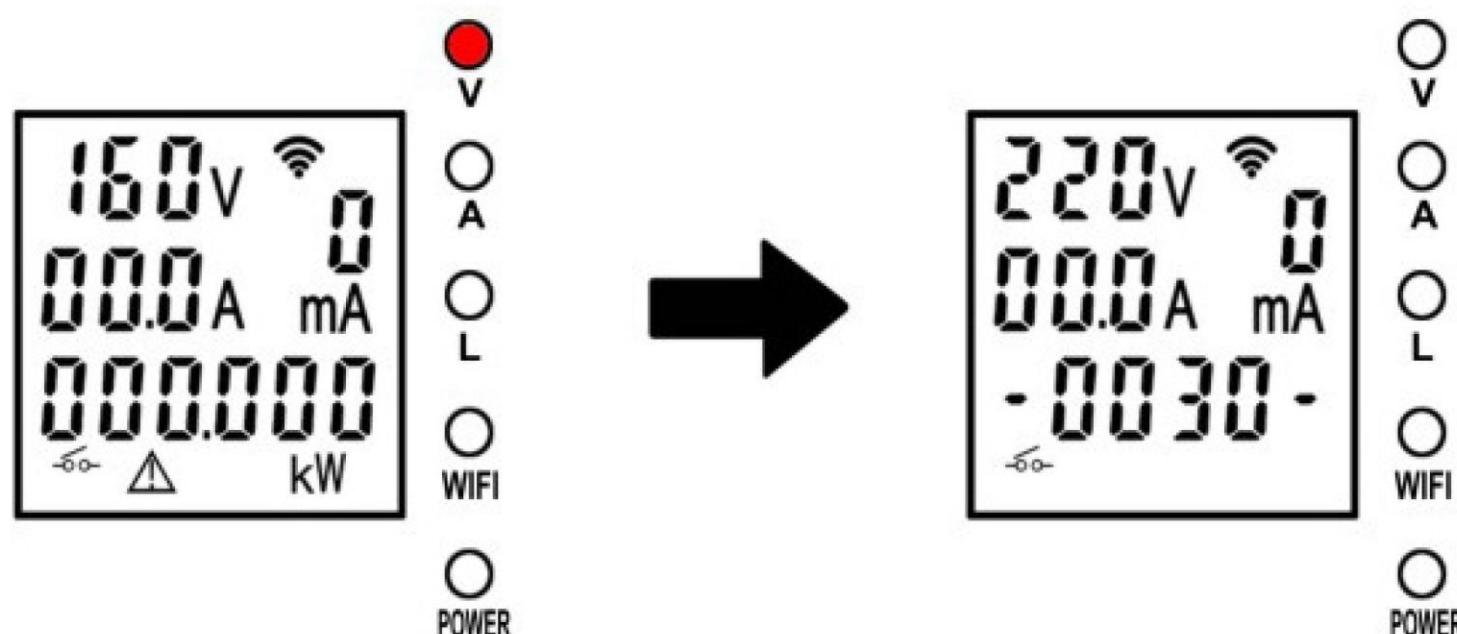
6.1 Over voltage protection status



● When over-voltage, the protector automatically disconnects, the over-voltage alarm indicator on, and the screen shows the over-voltage value.

● When the voltage turns normal, the over-voltage alarm indicator off, and the protector resets automatically within the set recovery time.

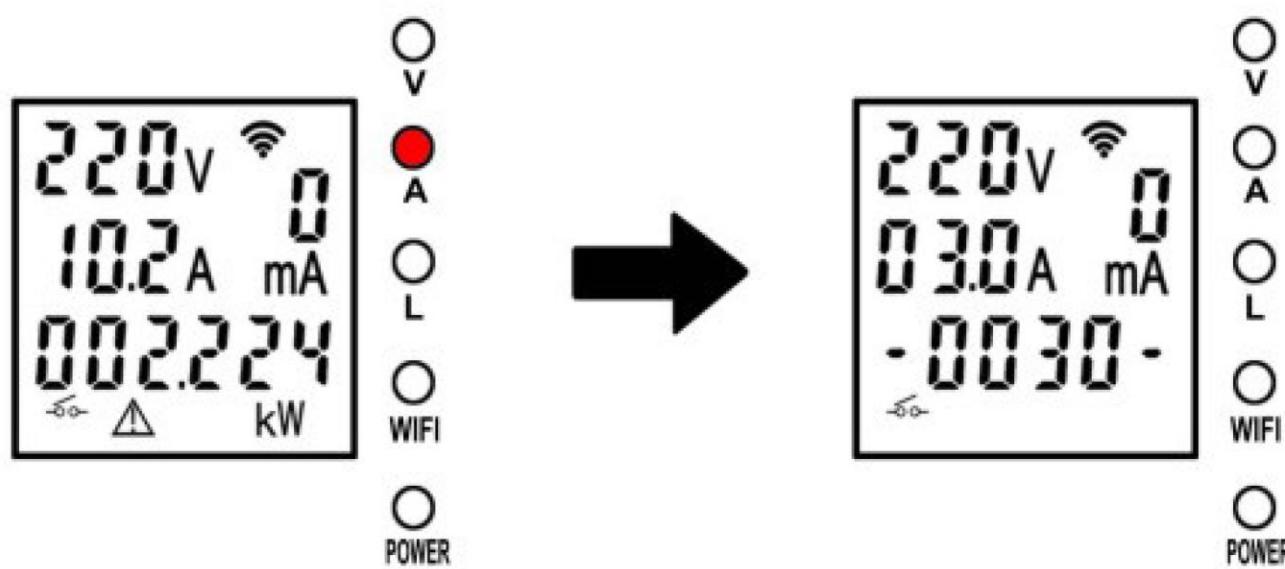
6.2 Under voltage protection status



● When under-voltage, the protector automatically disconnects, the under-voltage alarm indicator on, and the screen shows the under-voltage value.

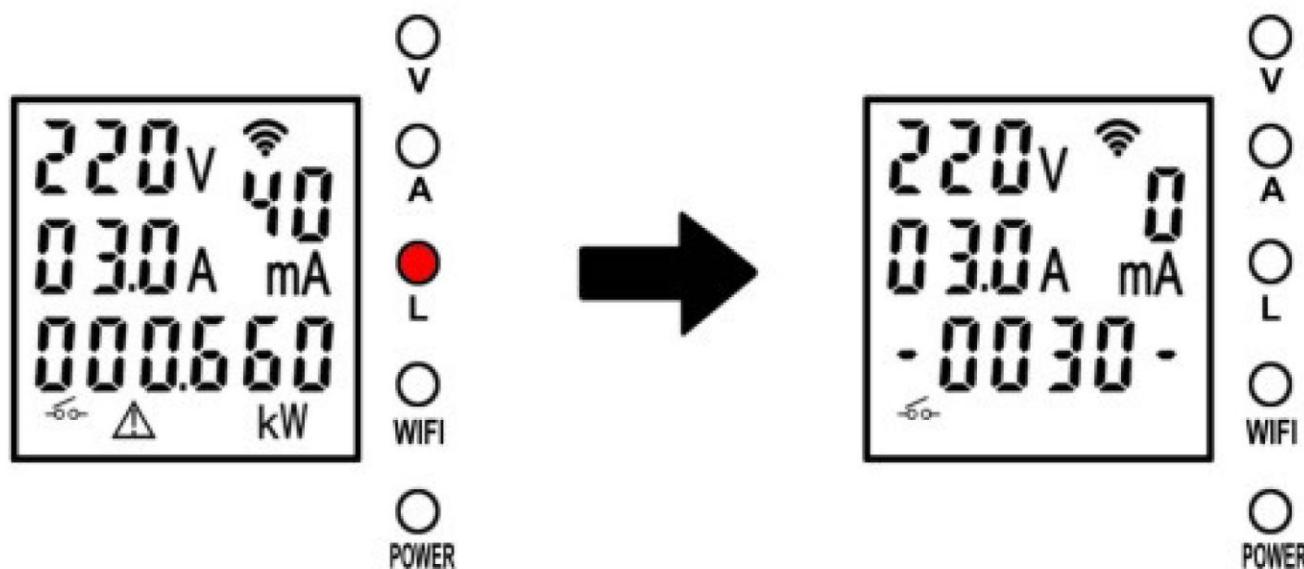
● When the voltage turns normal, the under-voltage alarm indicator off, and the protector resets automatically within the set recovery time.

6.3 Over current protection status



- When over-current, the protector automatically disconnects, the over-current alarm indicator on, and the screen shows the over-current value.
- When continuous over current faults times reaches the set value, the protector will not reset automatically, it needs to be reset manually by pressing key.
- When the current turns normal, the over-current alarm indicator off, and the protector resets automatically within the set recovery time.

6.4 Leakage protection status



- When detecting leakage, the protector automatically disconnects, the leakage alarm indicator on, and the screen shows the leakage value.
- When continuous leakage faults times reaches the set value, the protector will not reset automatically, it needs to be reset manually by pressing key.
- When the leakage disappears, the leakage alarm indicator off, and the protector resets automatically within the set recovery

VII.Screen display description



● Kilowatt displays



● Power factor displays



● Frequency displays



● Prepaid power value displays



● Kilowatt-hour displays

VIII. Product dimension



IX. Socket type



Universal



UK



EU

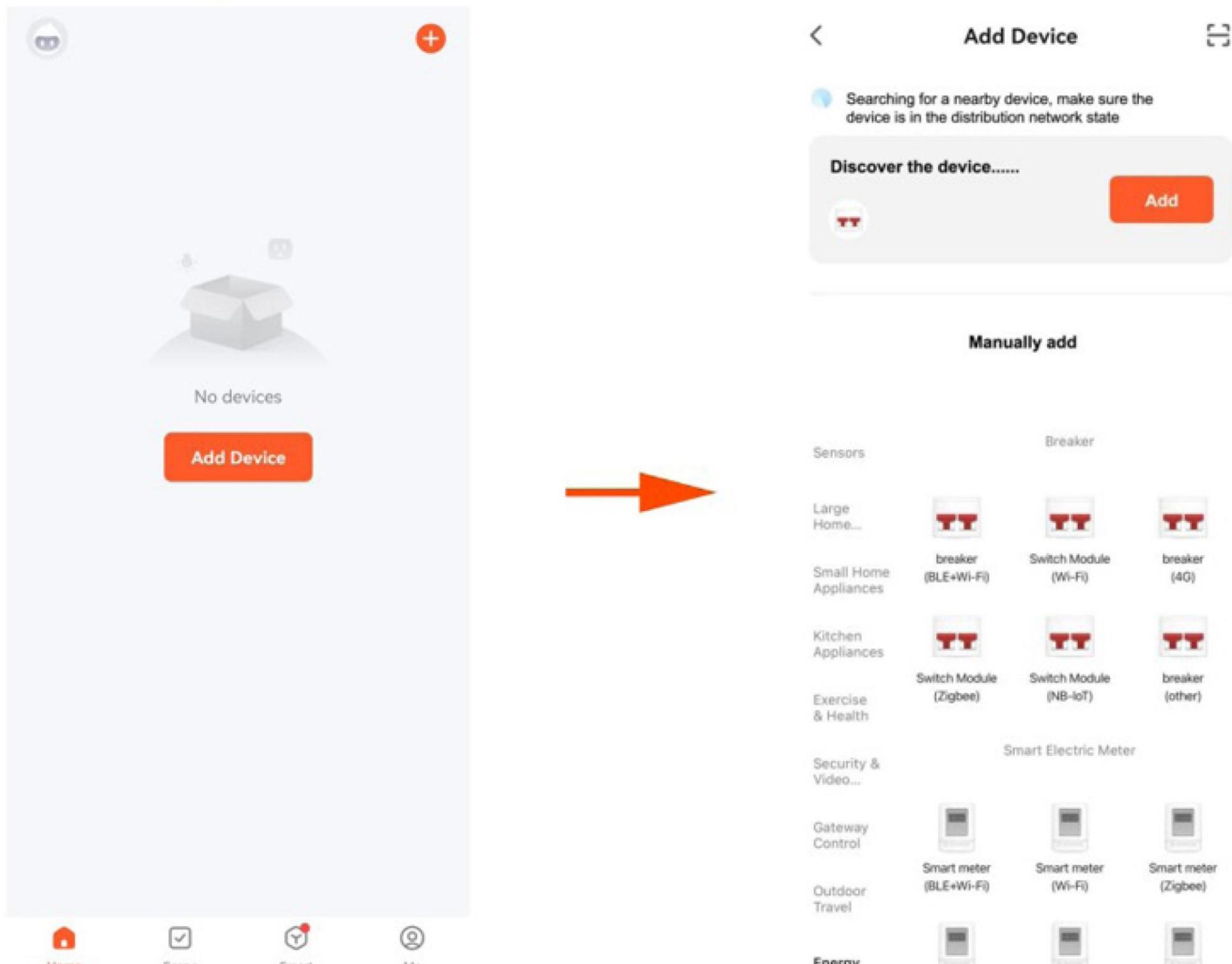


US

X.Protector networking steps



Scan QR code or search “tuya” in App Store and download the APP



Click Add Device to start adding protector

Discover the protector and click Add



Enter Wi-Fi Information

Choose Wi-Fi and enter password



Wi-Fi name



Password



Next

Enter Wi-Fi password to
connect to the network



Add Device

1 device successfully added



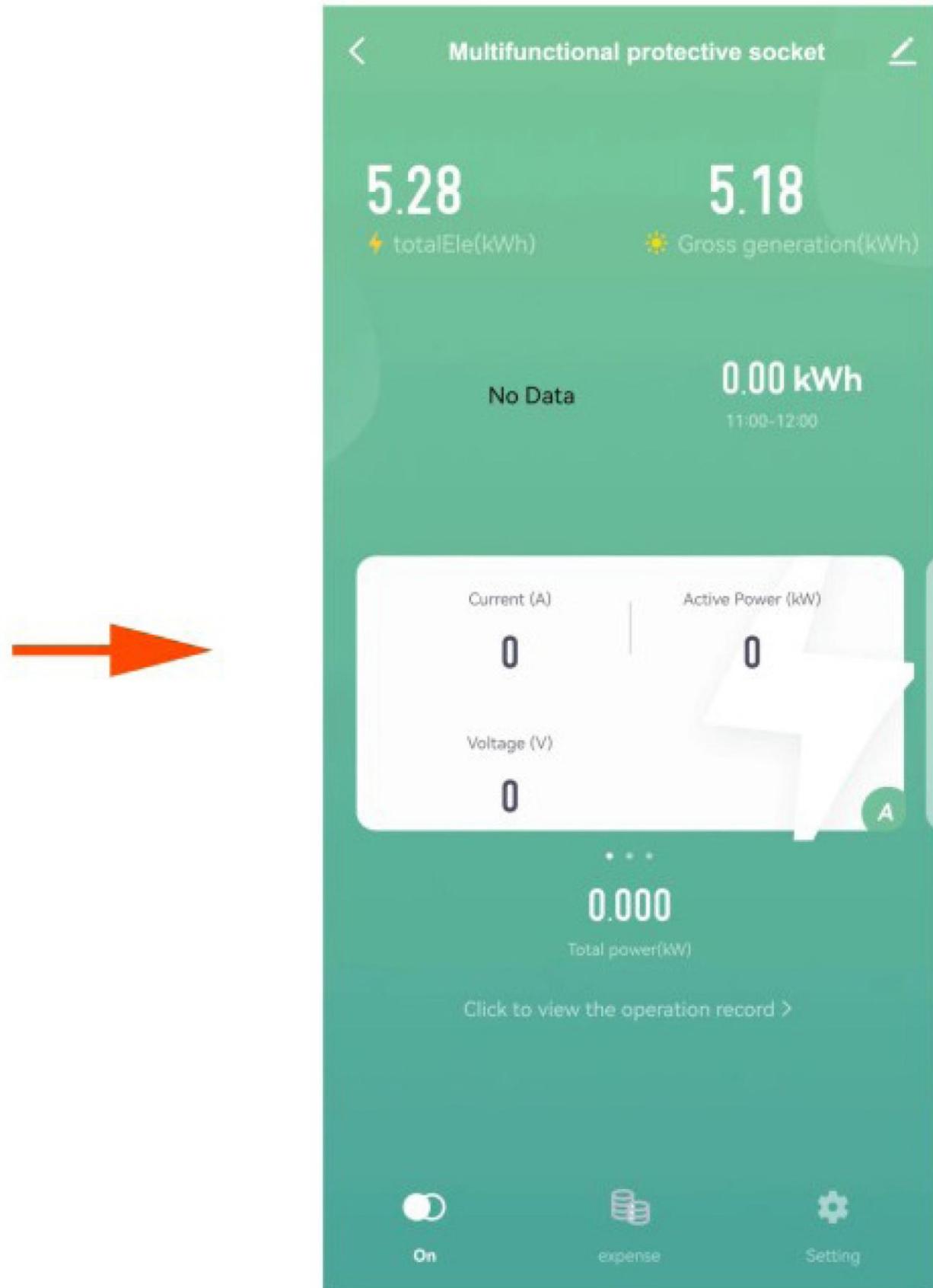
Breaker

Device added successfully



Done

The protector is
added successfully



Enter the mobile phone
operation interface