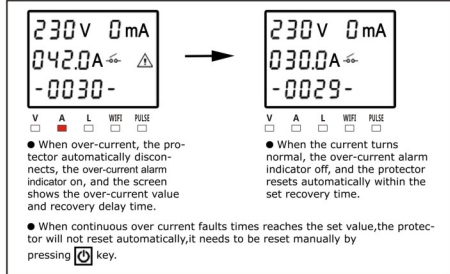
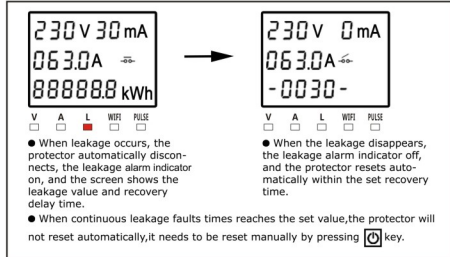


6.3 Over current protection status

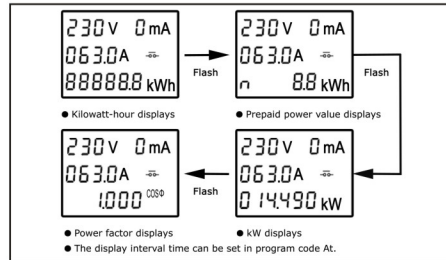


6.4 Leakage protection status

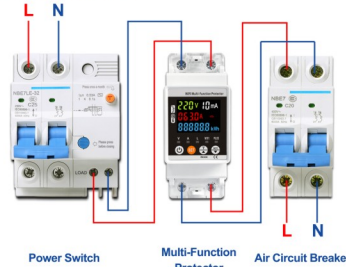


-8-

6.5 Kilowatt-hour, kW and power factor display by turns

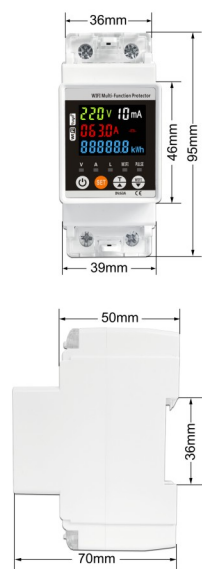


VII. Wiring diagram



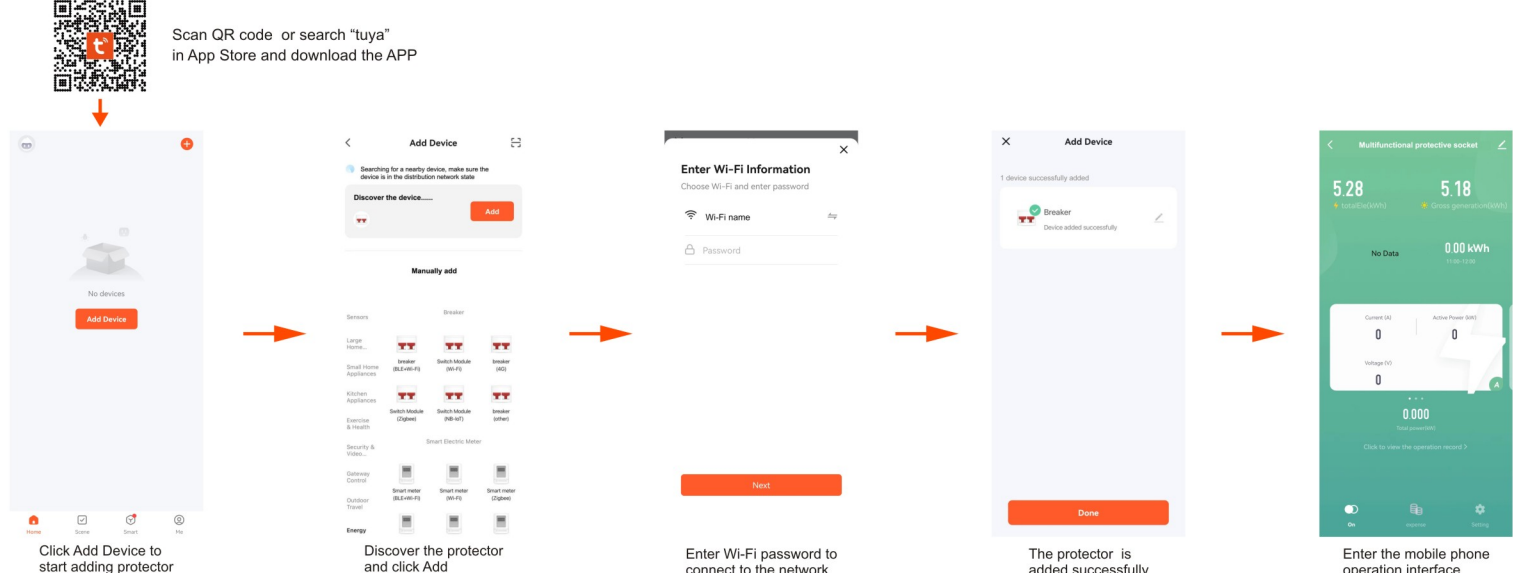
-9-

VIII. Installation dimension



-10-

IX. Protector networking steps



-11-

-12-

-13-



Adjustable voltage, current and leakage protective device with kilowatt-hour meter



Instruction manual

I. Application

Adjustable voltage, current and leakage protective device with kilowatt-hour meter 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 fault 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 kilowatt-hour, kW and power factor.

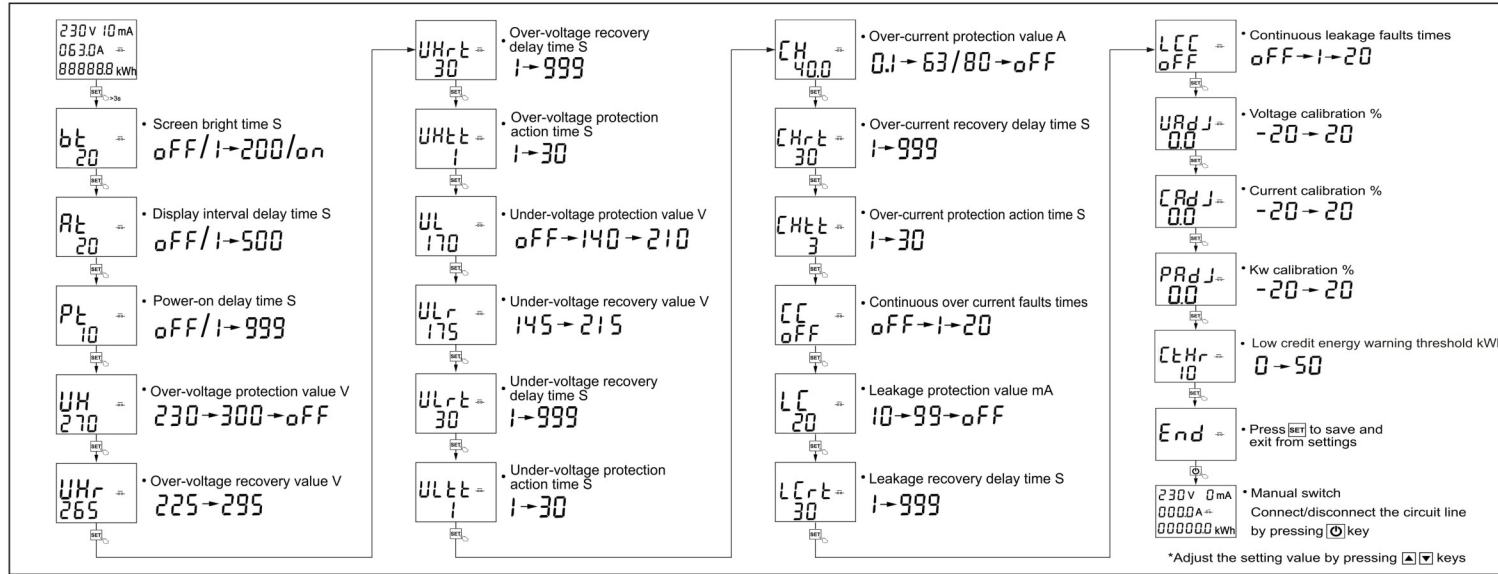
-1-

III. Main technical parameters

Function	Technical Parameter	Function	Technical Parameter
Input voltage	AC 140-300V	Power-on delay time	1-999s default 10s
Screen bright time	1-200s default 20s	Display interval delay time	1-500s default 20s
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	63A:0.1-63A default 40A	Over-current recovery value	0.5-62.5A
	80A:0.1-80A default 60A		0.5-79.5A
Leakage protection value	10-99mA default 20mA	Continuous over current /leakage faults times	1-20 times default OFF
Recovery delay time	1-999s default 30s	Action time	1-30s default 1s
Voltage/current/ kW calibration	-20%~20%	Power consumption	≤2W
Electrical and mechanical life	≥100000cycles	Boundary dimention	95×39×70MM

-2-

IV. Product setting:

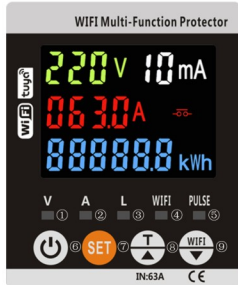


-3-

-4-

-5-

V. Panel indicator lamps and keys instructions

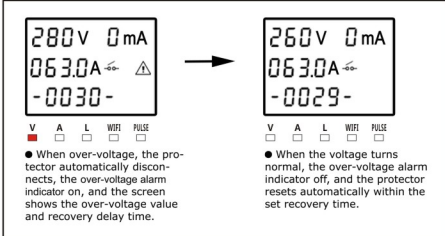


- ① Over/under voltage alarm indicator
 - ② Over-current alarm indicator
 - ③ Leakage alarm indicator
 - ④ WIFI indicator
 - ⑤ Kilo-watt hour meter pulse indicator
 - ⑥ Manual switch
 - ⑦ Set key: Long press for 3 seconds to enter the setting interface
 - ⑧ Adjustment key +
 - ⑨ Adjustment key -
- Test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

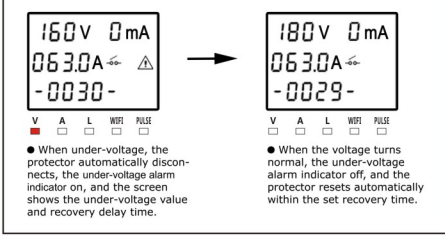
-6-

VI. Screen display description

6.1 Over voltage protection status



6.2 Under voltage protection status



-7-