

Adjustable voltage and current protective device



Instruction manual

I. Application

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

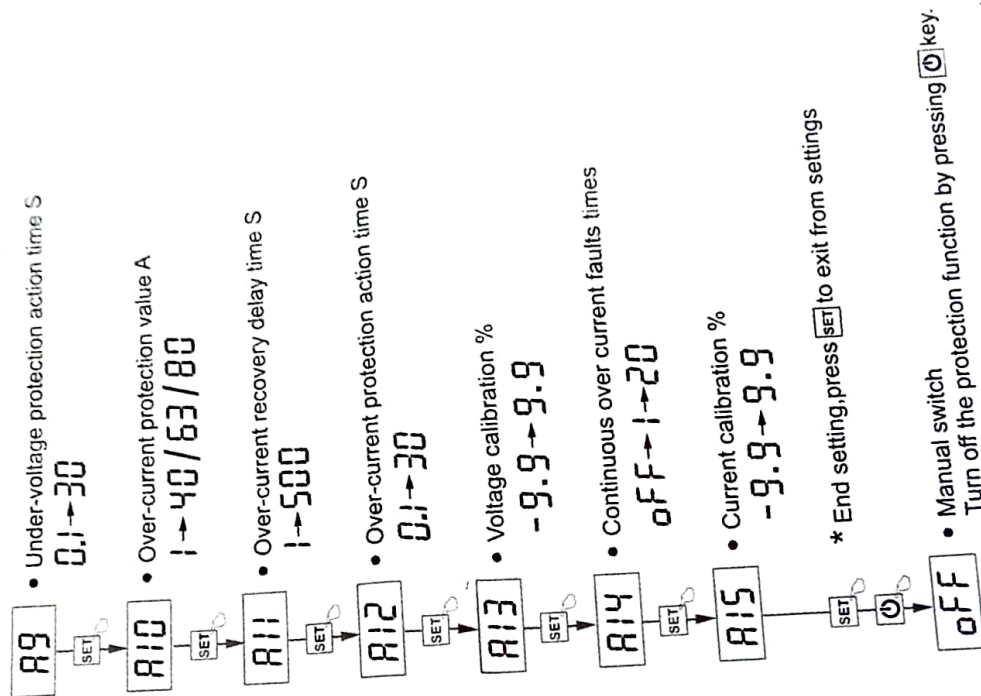
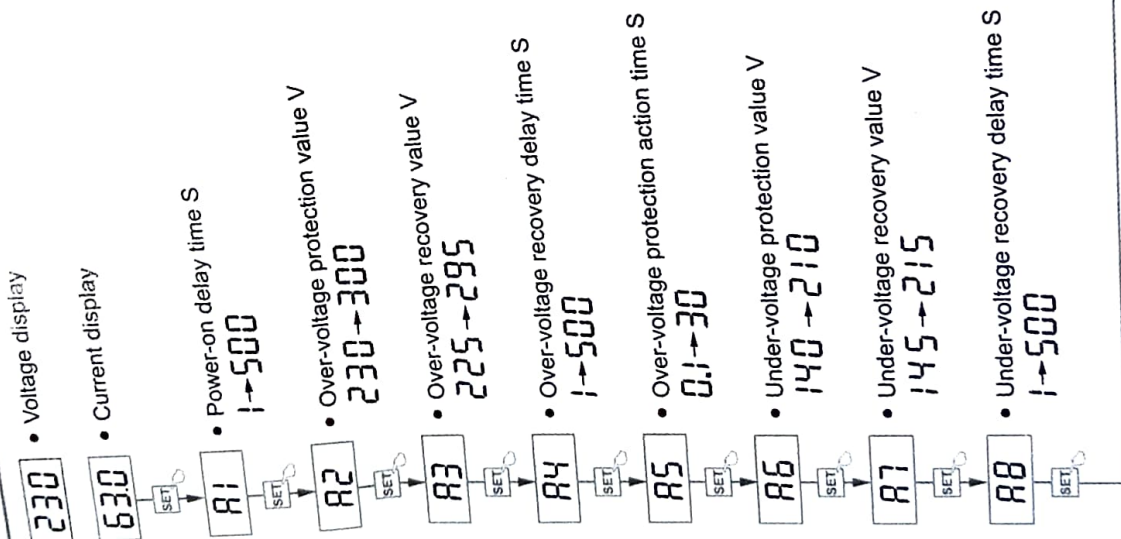
II. Product features

- 2.1 In case of over-voltage fault, under-voltage fault or over-current 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.

III. Main technical parameters

Function	Technical Parameter	Function	Technical Parameter
Input voltage	AC 140-300V	Power-on 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	40A:1-40A default 20A	Over-current recovery value	0.5-39.5A
	63A:1-63A default 40A		0.5-62.5A
	63A:1-80A default 60A		0.5-79.5A
Recovery delay time	1-500s default 30s	Action time	0.1-30s default 1s
Continuous over current faults times		1-20 times default OFF	
Power consumption	≤2W	Electrical and mechanical life	≥100000cycles
Boundary dimension	86 × 38 × 68MM	Wiring	Over-entering down-out

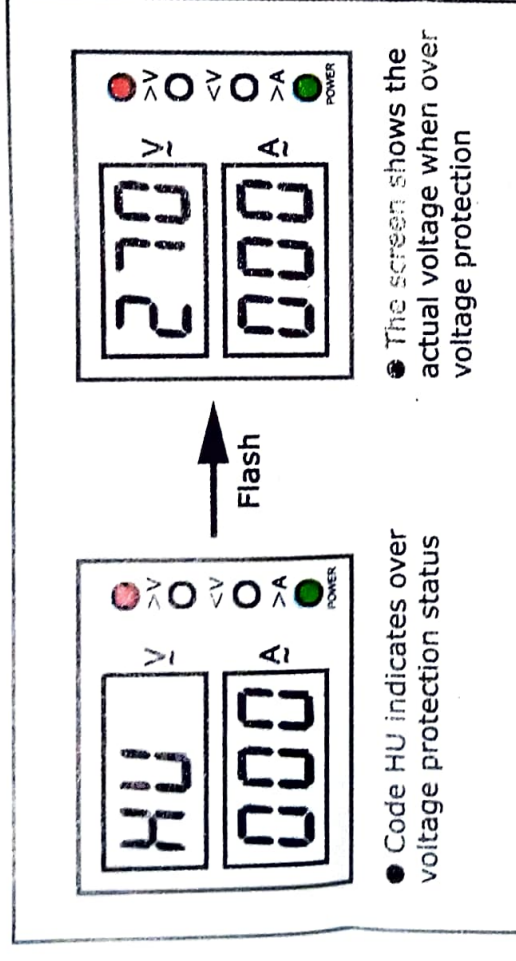
IV. Product setting:



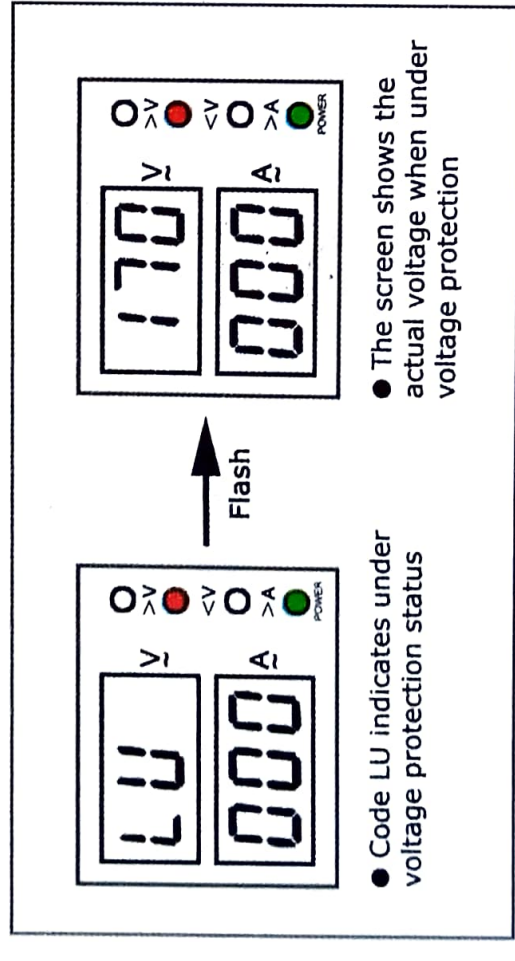
1. Change the setting value by pressing **▲▼** keys.
2. When the setting over-voltage protection value exceeds 300V, the over-voltage protection function will be closed.
3. When the setting under-voltage protection value is lower than 140V, the under-voltage protection function will be closed.
4. Press the **▲** key for more than 12 seconds to query the last fault, and press the **▼** key for more than 6 seconds to restore the factory settings
5. During the setting process, it is not necessary to press the last step, but long press the **SET** key to save.

V.Screen display description

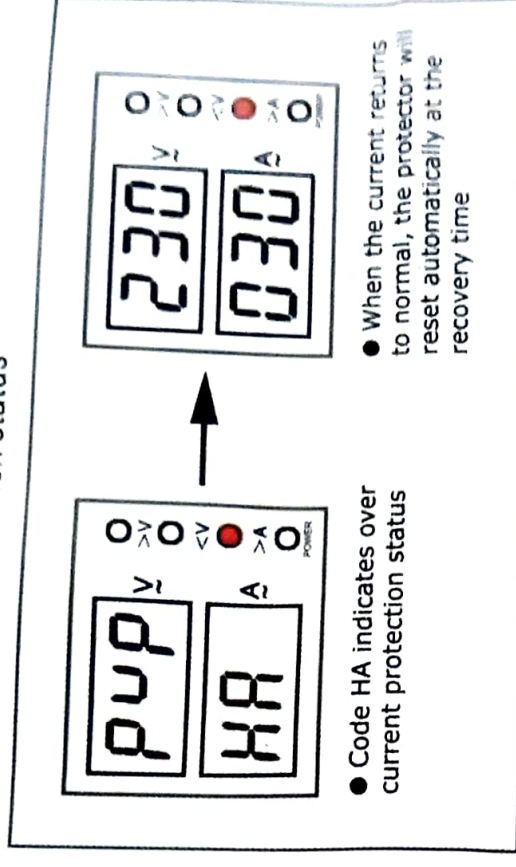
5.1 Over voltage protection status



5.2 Under voltage protection status



5.3 Over current protection status



VI.Wiring diagram

