

I. Application

Over Voltage And Under Voltage Protective Device With Auto-Reclosing Function (OUPA) 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. Normal

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III. Normal use and installation conditions

3.1 Normal use conditions

3.1.1 Ambient air temperature

Ambient air temperature shall not be more than +55°C and not less than -20°C and the 24h average temperature shall not be more than +35°C.

3.1.2 Altitude

Altitude of the installation place shall not exceed 2000m.

3.1.3 Atmospheric conditions

3.1.3.1 Humidity

The relative air humidity at installation place shall not be more than 50% when the ambient air temperature is +40°C;

Relative humidity may be high under low temperature condition. For instance, when the mean minimum

temperature in the wettest month is +20°C, the mean

maximum relative humidity in the month may reach 90%.

Condensation produced due to temperature change shall be prevented by taking appropriate measure.

3.1.3.2 Class of pollution: 3

3.2 Installation conditions

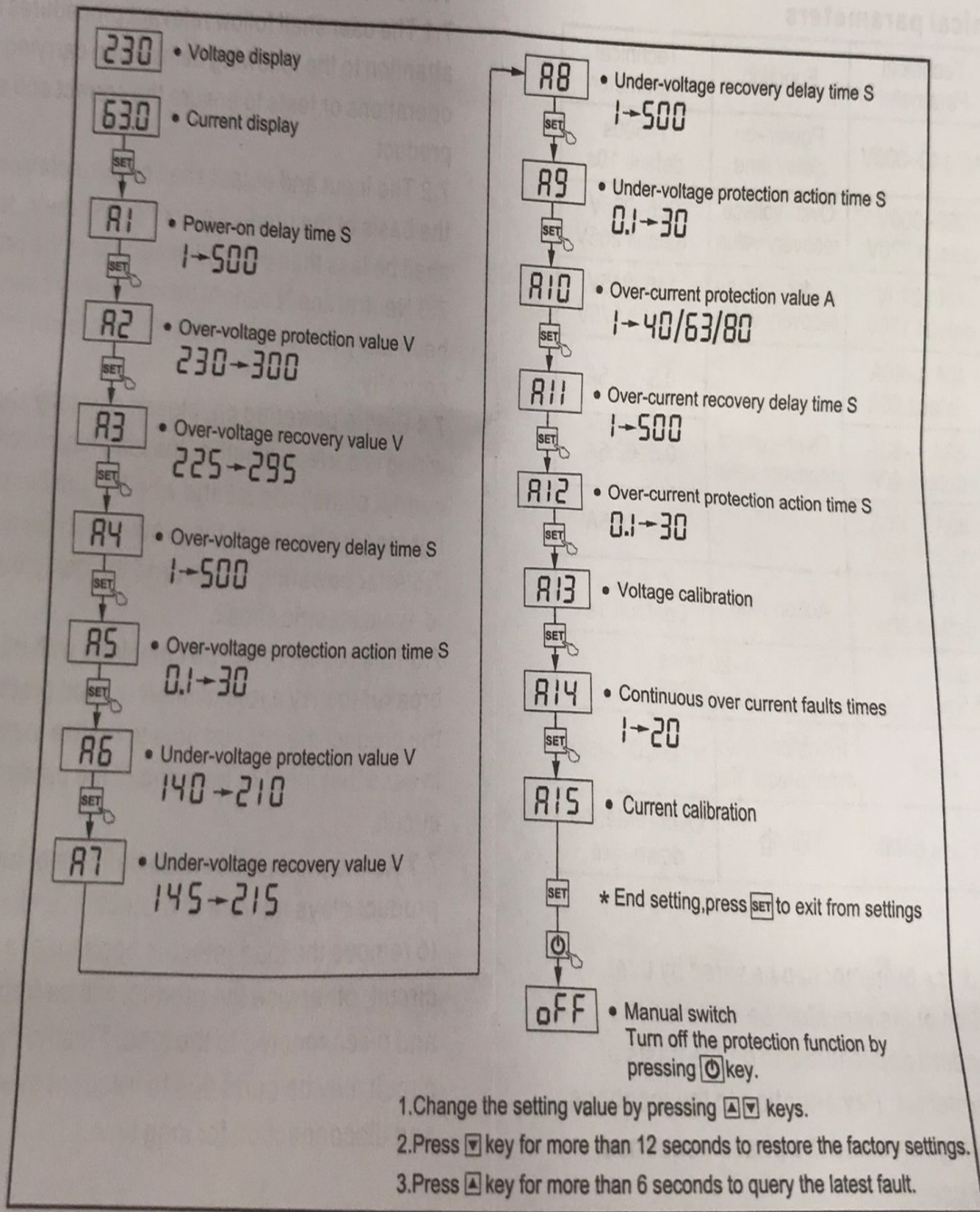
3.2.1 Protector can be vertically or horizontally mounted in cabinet. If specially required, it is necessary to make special order.

3.2.2 Protector shall be mounted in medium without risk of explosion. In the medium, there shall be no gas and conductive dust which are sufficient to corrode metal and affect insulation effect.

3.2.3 Protector shall be mounted in place that may not be invaded by rain and snow.

IV. Prod

duct setting:



1. Change the setting value by pressing ▲▼ keys.
2. Press ▼ key for more than 12 seconds to restore the factory settings.
3. Press ▲ key for more than 6 seconds to query the latest fault.

V. 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
	80A: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	$\leq 2W$	Electrical and mechanical life	≥ 10000 cycles
Boundary dimension	86 x 38 x 68MM	Wiring	Over-entering down-out

VI. Usage

After being installed, the protector can be wired by user. Wherein, cross section of the wire shall be selected in accordance with standard applicable and on the basis of rated current of the protector. Pay attention to the locations of incoming and outgoing wires and the phase sequence before powering on for use.

VII. Notes

7.1 The user shall follow attention to the following operations or tests to ensure product

7.2 The input and output shall be less than protection value of the product

7.3 Neutral line N cannot be reliably wired; otherwise normally.

7.4 Before powering or wiring is correct, whether current of the product is tightened; otherwise

7.5 After powering on to avoid electric shock

7.6 This product shall breaker to play a role. the product may not in case that input circuit.

7.7 As the product plays the to remove the load circuit; otherwise and disconnect circuit may be broken and disconnected

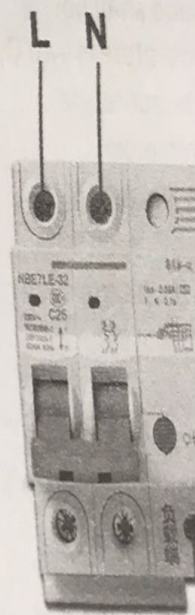
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VII. Notes

- 7.1 The user shall follow relevant procedures and pay attention to the following items when carrying out various operations or tests to ensure the correct and safe use of the product
- 7.2 The input and output shall be corrected connected on the basis of the product marking. (Wherein, the load current shall be less than protective current of the product.)
- 7.3 Neutral line N cannot be improperly connected and shall be reliably wired; otherwise, the protector may not work normally.
- 7.4 Before powering on, please carefully check whether the wiring is correct, whether the load matches with protective current of the product and whether the binding screw is tightened; otherwise, the product may be damaged.
- 7.5 After powering on the product, don't touch any live part to avoid electric shock.
- 7.6 This product shall be combined with micro circuit breaker to play a role of short-circuit protection; otherwise, the product may not be able to realize load limit protection in case that input or load end of the product appears short circuit.
- 7.7 As the product has automatic reset function, after the product plays the role of protection and acts, it is necessary to remove the load (electric appliance) and check the circuit; otherwise the product will be frequently connected and disconnected to the load. Finally, the product or its circuit may be burnt due to frequent overload connection and disconnection for long time.

- 7.8 Products that are n moisture-proof and du debugged according to put into operation only
- 7.9 This product has n disconnect the front ci circuit.

VIII. Wiring diagram



Power Switch

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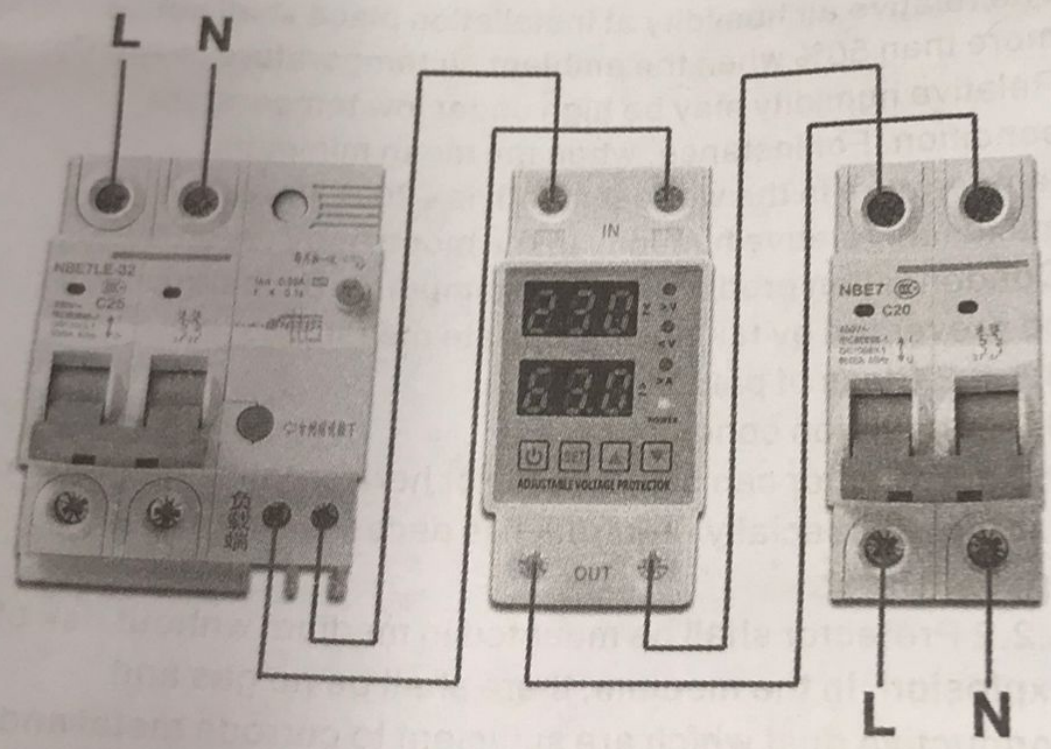
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7.8 Products that are not used for a long time shall be moisture-proof and dust-proof. Before use, they shall be debugged according to the above contents, and they can be put into operation only when they are normal.
7.9 This product has no isolation function. Please disconnect the front circuit breaker when maintenance circuit.

VIII. Wiring diagram



Power Switch

Voltage & Current
Protector

Air Circuit Breaker