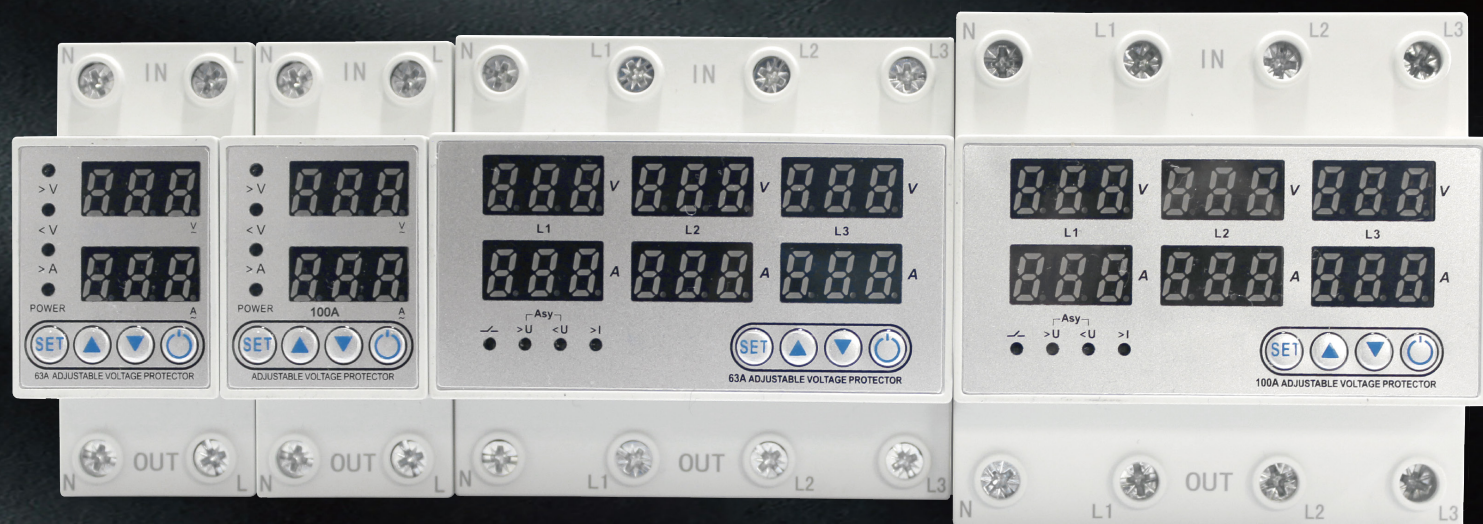




**OVERVOLTAGE, UNDERVOLTAGE,
OVERCURRENT RECLOSING PROTECTOR**

OVERVOLTAGE, UNDERVOLTAGE, OVERCURRENT RECLOSING PROTECTOR

Application



The multifunctional overvoltage/undervoltage/overcurrent intelligent protector is a comprehensive intelligent protector that integrates overvoltage protection, undervoltage protection, and overcurrent protection. When any overvoltage, undervoltage, or overcurrent fault occurs in a circuit, this product can instantly cut off the power supply to avoid unnecessary damage to electrical equipment.

When the circuit returns to normal, the protector can automatically restore power supply. The overvoltage value, undervoltage value, and overcurrent value of this product can be set independently, and the corresponding parameters can be adjusted according to the local actual situation. Widely used in home furnishings, shopping malls, schools, factories, etc.

Product Features



- The product is a new generation of intelligent overvoltage/undervoltage/overcurrent protection device designed and produced in full compliance with enterprise standards.
- Automatically cut off the circuit when overvoltage, undervoltage, or overcurrent faults occur in the circuit; When the voltage or current of the line returns to normal, it will automatically reset and connect the line after a self set delay time, without the need for manual operation.
- When transient or transient overvoltage occurs in the line, the protector does not produce false operation.
- When the voltage of the line is unstable or suddenly loses power and then suddenly calls due to faults such as loose contacts, the protector will not immediately connect the line. This delay time can be set by the user according to local conditions.
- The line voltage should not exceed 330VAC at its highest to prevent damage to the product due to high power supply voltage. If a high power supply is required for specific occasions, please contact the manufacturer.



☐ Normal use conditions

1. Surrounding air temperature
 - a. The upper limit value shall not exceed +40 °C.
 - b. The lower limit value shall not be lower than -5 °C.
 - c. The average value within 24 hours shall not exceed +30 °C.
 - d. Extreme operating temperature -10 °C ~ +50 °C.
2. Altitude

The altitude of the installation site shall not exceed 2000 meters.
3. Atmospheric conditions
 - a. When the ambient air temperature is +35 °C, the relative humidity of the air does not exceed 50%, can have higher relative humidity at lower temperatures.
 - b. When the monthly average minimum temperature of the wettest month is 20 °C, the monthly average relative humidity

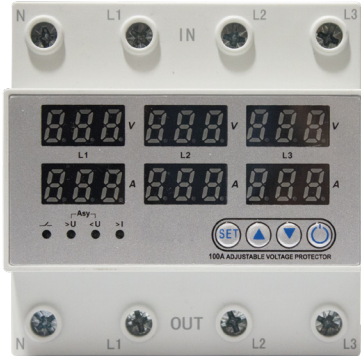
The degree is 90%.
 - c. We have taken into account the condensation that occurs on the surface of the product due to temperature changes.
4. Pollution level

The pollution level used by the protector is level 3.
5. Installation category

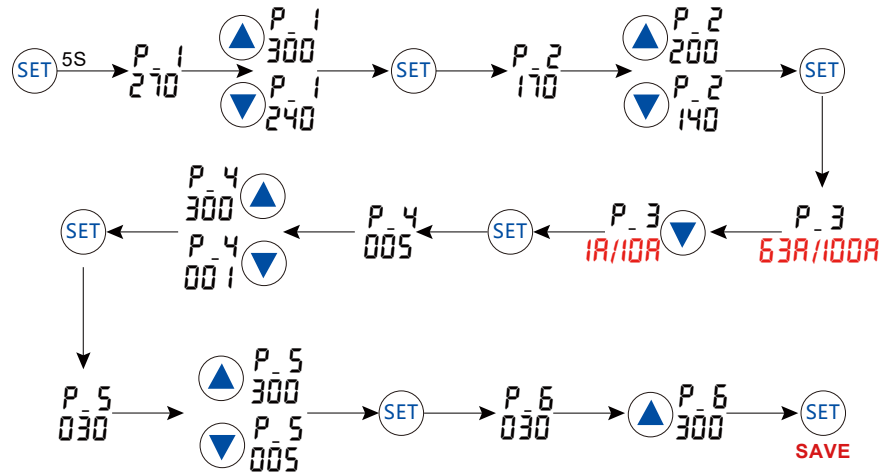
The installation category is Class II and III.
6. Installation conditions
 - a. The protector can be installed vertically or horizontally inside the cabinet, and special requirements must be met

Special orders.
 - b. It should be installed in a medium without explosion risk, and there should be no sufficient corrosion in the medium

Gas and conductive dust that corrode metals and damage insulation.
 - c. It should be installed in a place without rain or snow invasion.



Product settings



Note: If the keyboard is longer than 60 seconds at any position before saving, the operating system will abandon all settings and restart.

1、ON/OFF



2、Voltage Calibration

Connect the input terminal to a voltage of 220V, and press and hold the buttons to display a voltage of 220V flashing. Release the up and down buttons and press and hold the settings button to turn the settings menu page and save the data, completing the voltage calibration.

3、Factory Reset

Enter the setting state and press the up and down keys to restore factory settings

Note

After the protector is installed, the user can connect it, and select the wire cross-section that meets the standard according to the size of the current set by the protector. Note that the inlet and outlet wires of the protector cannot be connected incorrectly to avoid product damage or failure to power on.

Users should follow relevant regulations and pay attention to the following items when conducting various operations or experiments to ensure correct and safe use of the product.

Connect the input and output terminals correctly according to the product identification. (The load current should be less than the protection current value of the product)

The neutral wire N must not be connected incorrectly and must be reliably wired, otherwise the protector cannot function properly.

Before connecting to the power supply, please carefully check whether the wiring is correct, whether the load size matches the current protection value of the product, and whether the wiring screws are tightened, otherwise the product will be damaged.

After the product is powered on, do not touch live parts to avoid electric shock.

This product needs to be combined with a micro circuit breaker to provide short circuit protection. Otherwise, if there is a short circuit at the input or load end of the product, it will not be able to provide load limiting protection.

Due to the automatic reset function of the product, after the protection and action of the product, the old load (electrical appliances) should be immediately removed and the circuit should be checked. Otherwise, the product will frequently connect and disconnect the load, and ultimately burn out the product or electrical circuit due to long-term frequent overload connection and disconnection.

Products that are not used for a long time should pay attention to moisture and dust prevention. Before use, the product should be debugged according to the above content, and can only be put into operation after it is normal.

This product has no isolation function. Please disconnect the front circuit

breaker switch when repairing the circuit.

This product has a zero line (N line) that can be directly connected without any disconnection function!

This product has no high current short circuit breaking capacity. Please install small circuit breakers such as DZ47 and C65 at the front of the line for overcurrent protection.

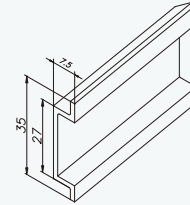
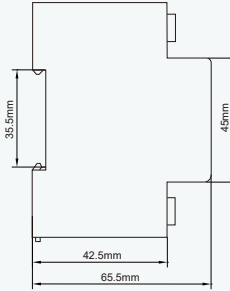
Main technical parameters

Product Name	OVERVOLTAGE, UNDERVOLTAGE, OVERCURRENT RECLOSING PROTECTOR
Number of product poles	1P+N, 3P+N
Rated working voltage	AC220V、AC230V
Rated working current	1A-63A, 10A-100A adjustable (default 63A or 100A)
Rated operating frequency	50Hz/60Hz
Undervoltage action cut-off value	140V-200V adjustable (default 170V)
Overvoltage action cut-off value	240V-300V adjustable (default 270V)
Overcurrent action cut-off value	63A: 1A~63A adjustable (default 63A); 100A: 10A~100A adjustable (default 100A)
Power on and power off delay time	5-300s adjustable (default to 30s)
Power on delay time	1~300s adjustable (default 5s)
Reset delay time after overcurrent protection	30~300s adjustable (default to 30s)
Product overcurrent delay time	6s (If the overcurrent time exceeds this time, it will be confirmed as overcurrent and protected)
Electrical and mechanical life	More than 100000 times
Installation method	Standard guide rail installation



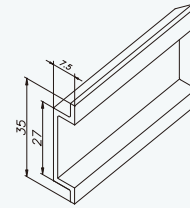
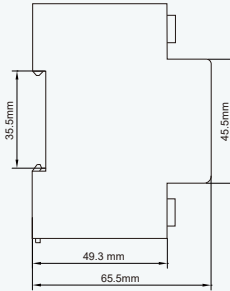
Product size

1P+N 40A/63A



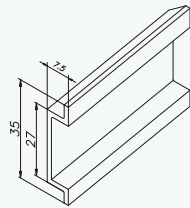
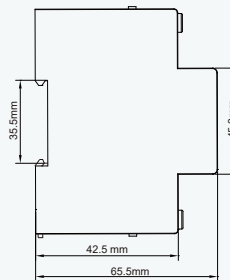
TH35-7.5 steel installation rail

1P+N 80A/100A



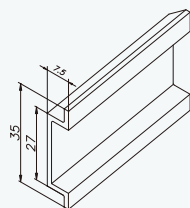
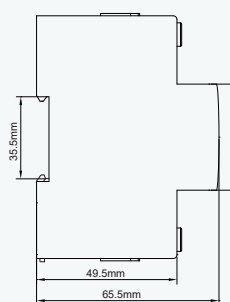
TH35-7.5 steel installation rail

3P+N 63A



TH35-7.5 steel installation rail

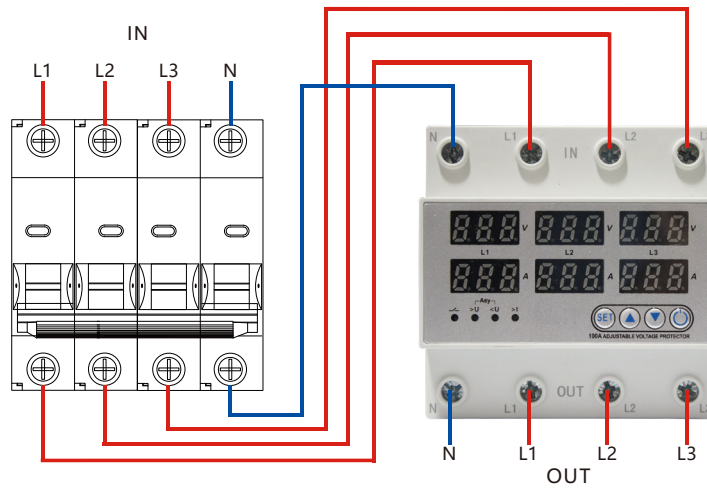
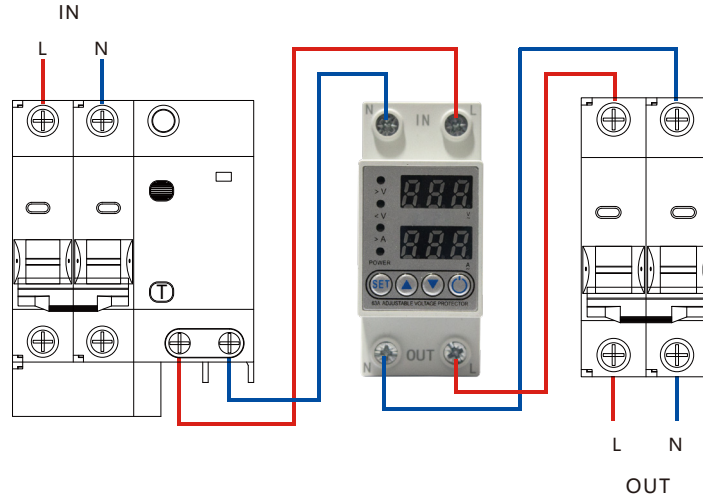
3P+N 100A



TH35-7.5 steel installation rail

Product wiring diagram

Wiring diagram



*When used for electrical maintenance and installation, it is necessary to ensure that the operators hold electrical operation qualifications and take necessary power outage and insulation protection measures.