

Three phase intelligent reclosing protector

User manual



1. Overview:

The three-phase four wire overvoltage and undervoltage current limiting protector is currently available in the market. A new generation of home appliance protection device developed by the Electric Condition Institute. Control line selection. Assembled with imported components, produced using modular standards for product performance. Excellent and reliable. Can be positive in case of abnormal voltage, current, and phase sequence. Work regularly. When the voltage and current of the mains exceed the action threshold of the protector. When the phase sequence is disordered and the voltage and current are unbalanced, the protector can quickly. Reliably cut off the circuit to protect electrical equipment and personal safety. When the mains voltage returns to normal, the protector can automatically connect to the power supply. Restore power supply, automatically implement local functions without the need for personnel operation.

2. Main functions:

1. Overvoltage protection, undervoltage protection, overload protection, undercurrent protection, delay protection, voltage imbalance protection, current imbalance protection, phase loss protection, phase sequence protection, leakage protection, each parameter can be set with action threshold and on/off.

3. Display mode

Mode 1

Mode 2

4. Fault records:

Record overvoltage, undervoltage, overload, loss of current, leakage, voltage imbalance, current imbalance, and phase sequence protection. Note: Graffiti app records

5. WIFI indicator light status:

1 flash indicates waiting for WIFI signal to be detected
2 slow flashes indicate WIFI offline status
3 long lights indicate that WIFI is connected.

6. Function settings:

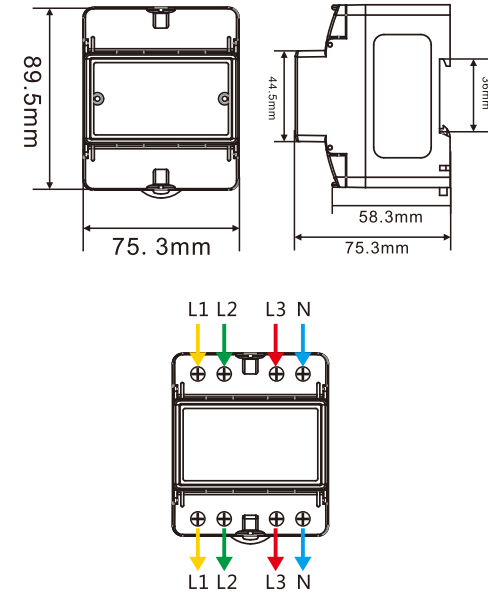
7. Installation and usage conditions:

- Temperature: -20 °C~60 °C
- Humidity: ≤ 85%
- Altitude: not exceeding 2000m
- Pollution level: Level 3
- Modular design for appearance and rail mounted installation.
- Wiring capacity: Insulated copper wire with an area of 35 square millimeters or less.

8. Notes:

- This product has no isolation function. Please disconnect the front stage when repairing the circuit breaker switch.
- The zero line (N line) of this product is directly connected without any disconnection function.
- The protector must be wired according to the markings and must not be connected incorrectly.
- Although this product has limited current protection function, it cannot replace circuit breakers. Please install DZ47 at the front end of the line C65 circuit breaker operation. Short circuit protection.
- Before use, please tighten the clamp screw to prevent poor contact and damaged product.

9. Installation wiring and dimensions:



Function	Set parameter range	Factory default settings	Function Description
Voltage upper limit	120V-300V	275V	H-U 0775v The maximum voltage limit is set to 300V, for example: set to 300V. The above voltage, after saving the data, is also 300V.
Lower voltage limit	80-210V	175V	L-U 0175v The minimum voltage limit is set to 80V, for example: set 80V. Lower the voltage, and after saving the data, it is also 80V.
Under voltage and over voltage delayed	1-9999秒(s)	3秒	U-D-S 0020 Voltage above or below the set value, protection. The device automatically opens after a delay of 3 seconds.
Overvoltage and undervoltage recovery time	1-9999秒(s)	20秒	U-R-S 0020 Delay of 20 seconds when the voltage returns to normal value. Automatic closing.
Current upper limit	1.0-100.0A	80.0 A	H-I 0800 For example, set the upper current limit to 80A and the working electricity flow higher than 80A will result in a set delay time. Inner pull gate.

Function	Set parameter range	Factory default settings	Function Description
Overcurrent and undercurrent delayed	0000-9999秒(s)	5秒	I-D-S 0005 For example, the current will automatically trip after 5 seconds of being greater than or less than the set value.
Overcurrent and loss of current recovery time	0000-9999秒(s)	20秒	I-R-S 0020 For example, after the overcurrent is pulled off, it will automatically close within 20 seconds.
Lower current limit	1.0-100.0A	10.0 A	L-I 0100 For example, if the lower limit of the current is set to 10A, and the working current is less than 10A, the switch will be pulled within the set delay time.
	10-100mA	30mA	L-E 030mA For example, set the leakage current to 30mA, and when the leakage current is greater than 30mA, execute the closing action.
display mode choice	Display Mode 1 Display Mode 2	Display Mode 1	d, SP-n 1 Default Display Mode 1, refer to page 3 (Display Mode)

Function	Set parameter range	Factory default settings	Function Description
Zero battery choice		Default OFF	E-L OFF OFF/On
Zero battery choice		Default OFF	E-S-F OFF OFF/On

HOW TO ADD DEVICE TO APP

- Use your smart phone to scan QR codes, or search "Smart Life" / "Tuya Smart" app in Google play or APP store to download and install.
- Create an account with your mobile number.
- Connect your mobile to your wifi router. Click "+" in the upper right corner of homepage or click "Add device" then select breaker "Switch module(WIFI)" from "Energy", long press WIFI button for 5 seconds, after see quick flash, open app to pair.

PRODUCT PARAMETERS

Rated Supply Voltage: AC 230V
Rated Frequency: 50/60Hz
Setting Range:
Over Voltage(H): 120-300V
Setting Range: (adjustable)
Electric Leakage: 10-99mA of Protection (This feature can be turned off)
Over Current And Leakage Protect Times: 1-30 Off
Reset/Start Delay: 10s-99s

Operation Voltage Range: AC 80V-400V (single phase)
Electric Current: (A) 1-63A
Under Voltage(L): 80-210V
Setting Range: (adjustable)
Power Display Range: 0-9999.9kwh
operating temperature: -30°C to 70°C