

YCPS3-100LW Series

SMART THREE PHASE ENERGY
METER&PROTECTOR

OPERATION INSTRUCTION

CNC

Deliver
Power For Better Life

 Before installing and using this product,
please read this manual carefully and pay
more attention to safety.

Main Functions

1. Over Voltage Protection
2. Under Voltage Protection
3. Over Current Protection
4. Under Current Protection
5. Delay Protection
6. Timer Switch
7. Bidirectional Energy Monitor
8. Voltage Imbalance Protection (Can only be set on App)
9. Current Imbalance Protection (Can only be set on App)
10. Shortage Phase Protection (Can only be set on App)
11. Phase Sequence Protection (Can only be set on App)
12. High Temperature Protection (Can only be set on App)
13. Current Leakage Protection (This function must be used with out or built-in current transformer)

Each parameter can be set with action threshold and On/Off.

1. Display Mode

Mode 1



- U - Voltage Total
Electricity Consumption



- R - Current, Forward
Electricity Consumption



- P - Power, Reverse
Electricity Consumption



Power, Factor Total
Electricity Consumption



Frequency, Total
Electricity Consumption



A-Phase Power Parameters



B-Phase Power Parameters



C-Phase Power Parameters



A-Phase Parameters &
Temperature



B-Phase Parameters &
Temperature



C-Phase Parameters &
Temperature

2. Fault Records

Record over & under voltage, over & under current, current leakage, voltage imbalance, current imbalance, and phase sequence protection. Note: Tuya app records.

3. WiFi Indicator Light Status

1. Fast flashing indicates searching for WiFi signal
2. Slow flashing indicates WiFi offline status
3. Long light indicates that WiFi is connected

4. Fault Settings

Long press K key to enter the settings states and show the settings.



Change the settings by press ▲ ▼ keys.



Short press K key to confirm the settings on this page and jump to the next settings page.



Long press OK key to exit the settings states and save the settings.

Over & Under Current Protection Delay	0000-9999Sec- ond(S)	5s		If the current is over or under the set value, the device will automatically switch off after the set delay time.
Over & Under Current Protection Recovery Time	0000-9999Sec- ond(S)	20s		If the current is over or under the set value, the device will automatically switch off and when the current returns to normal value it will recover after the set delay time.
Under Current Limit	1.0-100.0A	10.0A		If the under current limit is set at 60A, the device will automatically switch off when the current is under 60A.
Current Leakage Limit	10-100mA	30mA		If the current leakage limit is set at 30mA, the device will automatically switch off when the current leakage is over 30mA.
Display Mode	Display Mode 1 Display Mode 2	Display Mode 1		Default Display Mode 1, refer to page 3 (Display Mode).
Energy Consumption Zero Clearing	OFF/On	Default OFF		/
Factory Settings Reset	OFF/On	Default OFF		/

Function	Set Parameter Range	Factory Default Settings	Function Description
Over Volt- age Limit	120V-300V	275V	H-U 0775v If the over voltage limit is set at 300V, when the voltage is over 300V, the device will automatically switch off.
Under Voltage Limit	80-210V	175V	L-U 0175v If the under voltage limit is set at 80V, when the voltage is under 80V, the device will automatically switch off.
Under & Over Voltage Protection Delay	1-9999Sec- ond(S)	3s	U-D-S 0020 If the voltage is over or under the set value, the device will automatically switch off after the set delay time.
Over & Un- der Voltage Protection Recovery Time	1-9999Sec- ond(S)	20s	U-R-S 0020 If the voltage is over or under the set value, the device will automatically switch off and when the voltage returns to normal value it will recover after the set delay time.
Over Cur- rent Limit	1.0-100.0A	80.0A	H-C 0800 If the over current limit is set at 80A, the device will automatically switch off when the current is over 80A.

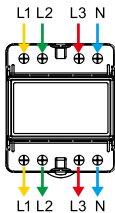
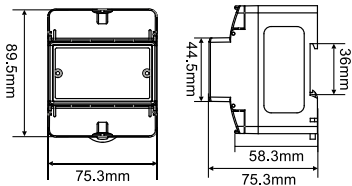
5. Installation and Usage Conditions

1. Working Temperature: -30°C-70°C
2. Working Humidity: $\leq 85\%$
3. Working Altitude: Not Exceeding 2000m
4. Pollution Level: Level 3
5. Modular design appearance and din rail installation
6. Wiring Capacity: Insulated copper wire under 35mm

6. Notes

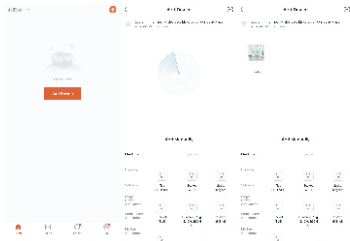
1. This product has no isolation function. Please turn off the power before repairing.
2. The zero line (Neutral N line) of this product is directly connected without any disconnection function.
3. The device must be wired according to the markings and must be installed correctly.
4. Although this device has protection function, but it cannot replace normal circuit breaker, so please install circuit breaker before this device as always.
5. Please tighten the clamp screws hard to avoid the device being damaged caught by poor contact.

7. Installation Wiring & Dimensions



HOW TO ADD DEVICE TO APP

1. Use your smart phone to scan QR codes, or search "Smart Life" or "Tuya Smart" app in Google play or APP Store to download and install.
2. Create an account with your mobile number.
3. Connect your mobile to your Wi-Fi router. Click "+" in the upper right corner of homepage or click "Add device" then select breaker "Switch module (Wi-Fi)" from "Energy", long press WiFi button for 5 seconds, after the WiFi indicators starts to flash quickly, open app to pair.



PRODUCT PARAMETERS

Rated Supply voltage: AC 380V

Power Supply range: AC 300V-460V

Rated Current: 1-100A

Power Display Range: 0-99999.9kW/h

Operating Temperature: -30°C to 70°C

Production Trip Action Time: <0.5s

Setting Range:

Over Voltage: 120-300V

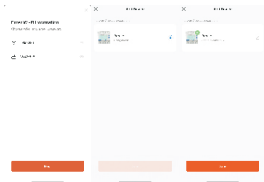
Under Voltage: 80-210V

Over Current & Leakage Protection

Current Leakage:10-99mA/OFF

Reset / Start Delay:0s-9999s

Protect Times:1-30 times/off



Smart Life



Tuya Smart





CERTIFICATE

Product Model: YCPS3-100LW Series

Inspector: CNC 001

Production date: Printed on the product
or package

This product is qualified according
to the delivery inspection

CNC

YCPS3-100LW Series

CNC ELECTRIC

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