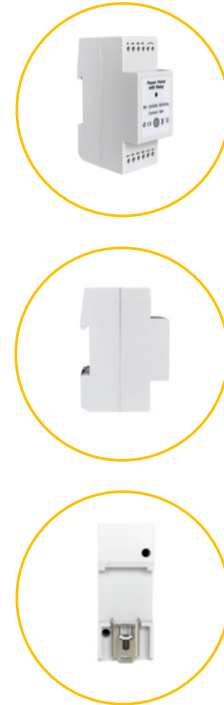


Products

– Energy Control & Management

PC473-W
-TY/R/N

Power Meter with Relay



Description

PC473-W-TY/R/N helps you monitor the amount of electricity Consumed and Produced in your three phase power system by connecting the clamp on to the power cable. It is also compatible with single phase. It allows you to turn On/Off of relay and check real-time or historical energy data via mobile App.

Main Features

- TUYA compliant, supporting automation scenarios and HA platform integration
- Three-Phase Four-Wire and Single-Phase system compatible
- Remotely monitor whole home Energy with three current transformers
- Wi-Fi communication, fast configuration, suitable for environments with inconvenient wiring.
- Real-time Voltage, Current, PowerFactor, ActivePower, Frequency, measurement
- Bidirectional measurement: Energy Usage / Solar Production
- Historical data can be displayed and exported in the App
- Dry contact relay, resistive current rated 10A, max.16A, overload protection and relay setting
- Functions such as Data Erasure, CT Setting, Notification, etc
- Support Alexa, Google Assistant voice control relay

Main Specifications

Connectivity	
Wi-Fi	• 802.11 b/g/n @2.4GHz
BLE	• For Pairing
RF Characteristics	• Operating frequency: 2.4GHz • Internal antenna
Physical Specifications	
Un	• 3x230/400V AC, 50/60Hz
Voltage Range	• 90-277 V
Supported Systems	• Single-Phase • Three-Phase (3-Phase 3-Wire & Delta system are not supported)
Power Consumption	• <2W
Voltmeters Accuracy	• $\pm 1\%$
Ammeters Accuracy	• 80A CT: $\pm 1\%$ (1-80A) , $\pm 2\%$ (0-1A) • 120A CT: $\pm 1\%$ (2-120A) , $\pm 2\%$ (0-2A) • 200A CT: $\pm 1\%$ (2-200A) , $\pm 2\%$ (0-2A) • 300A CT: $\pm 1\%$ (6-300A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A) • 500A CT: $\pm 1\%$ (6-500A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A) • 750A CT: $\pm 1\%$ (6-750A) , $\pm 2\%$ (2-6A) , $\pm 5\%$ (0-2A)
Clamp Inner Dimension	• 80A (default): $\varnothing 10\text{mm}$ • 120A(optional): $\varnothing 16\text{mm}$ • 200A(optional): $\varnothing 20\text{mm}$ • 300A(optional): $\varnothing 24\text{mm}$ • 500A(optional): $\varnothing 36\text{mm}$ • 750A(optional): $\varnothing 51\text{mm}$
Relay Type	• Dry contact relay, resistive current rated 10A, max.16A
Reporting Cycle	• Energy data: every 15 seconds • Relay status: immediately
Operating Environment	• Temperature: $-20\text{ }^{\circ}\text{C} \sim +55\text{ }^{\circ}\text{C}$ • Humidity: $\leq 90\%$ non-condensing
Mount Type	• 35mm DIN rail mounting
Dimension	• 35(W) x 65(D) x 90(H)mm
Certification	• CE

