

Smart Din Rail Switch (Smart Life APP)

Operating Manual



Download APP



1

Main Function



Remote control



Temperature protection



Timing



Over-current protection



Over-voltage and under-voltage protection



Real-time monitoring of electricity consumption

Main Data Parameter

Protocol: **WiFi, ZigBee**

Rated operating voltage range : **90-240V**

Control Type: **Remote control, Manual**

Poles description: **1P+N(N Pole Pass-through)**

Customization: **Customized development
protocol upon request.**

Product selection

Model	TO-Q-SY2-JWT	TO-Q-SY2-JZT
Operating Current threshold (A)	0.1-63	0.1-63
Over-Current protection threshold (A)	1-63	1-63
Over-voltage protection threshold (V)	220-265	220-265
Under-voltage protection threshold (V)	76-240	76-240
Temperature protection threshold (°C)	40-100	40-100
Over-Power protection threshold (KW)	1-26	1-26
Protocol	WiFi 2.4GHz	ZigBee 2.4GHz

Metering Type

LED Indicator Description

The LED indicator shows a steady blue light to indicate that the network connection is successful.

The LED indicator shows blue flashing slowly, indicating that the product is in pairing mode.

The LED indicator shows a light out, indicating that the device is off grid mode.

The Button indicator shows a light up to indicate that the switch is ON.

The Button indicator shows a light out to indicate that the switch is OFF.

Live View

Can monitor the current, voltage, and power of the load equipment in real time, and can also record the power consumption of the year, month, day, hour, and different time periods, helping users to check the power consumption of load equipment more clearly. Setting the switch status of the equipment in different scenarios, and remotely monitor the real-time situation of the load electrical appliances.



total electricity
consumption

5.00kW·h

6

Month

Day

Year

5.00 kWh

total electricity consumption



03/19



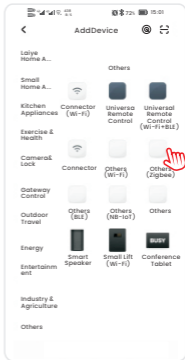
Real-time monitoring electricity consumption

Configuration Steps

ZigBee Type

First Step:

Add ZigBee gateway in SmartLife APP. For the usage of ZigBee gateway, please refer to its manual. The device supports both wired and wireless gateway.



Configuration Steps

WiFi type can start directly from this step

Second Step:

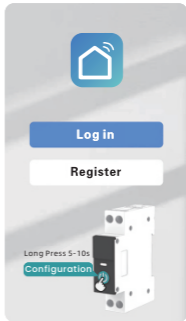
To connect the wire from the upper of the Smart Din Rail Switch the live wire connect to the L pole, and the neutral wire connect to the N pole, please make sure that the wiring is correct and strong WiFi signal.



Configuration Steps

Third Step:

Turn on the Bluetooth and WiFi of the mobile phone, open the APP, and then long press the "power" button, wait for about 5-10 seconds, the LED indicator will flash blue light slowly.

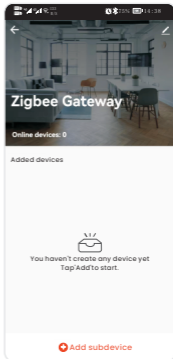


Configuration Steps

ZigBee Type

Fourth Step :

Enter the ZigBee gateway,
Waiting for a while after graphics is displayed the AP -P, or click the "Add subdevice".

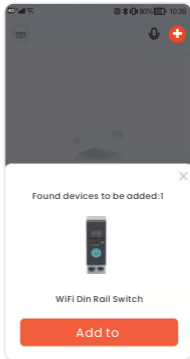


Configuration Steps

WiFi type

Fourth Step :

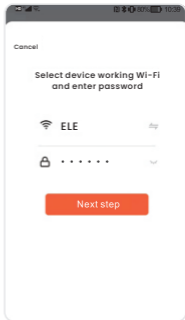
Waiting for a while after graphics is displayed the APP, or click the "+" in the upper right corner, then choose the "AddDevice" button to wait discovering devices, then click "Add" button.



Configuration Steps

Fifth Step :

Enter the wifi account password and click next step, wait for the switch to connect the network.



Configuration Steps

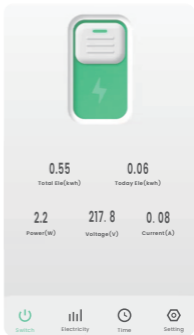
Sixth Step :

The switch is connected to the network.



Configuration Steps

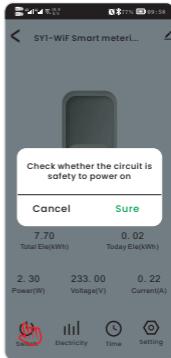
After the successful connection the LED indicator will be changed from blue slow flashing to blue steady light.



Feature

Remote Control

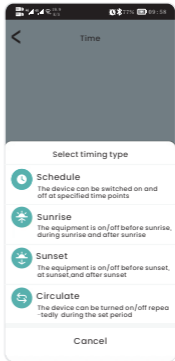
Through the mobile phone APP or the customized API service can remote switch the device.



Feature

Timer:

It can set the timing plan of the device switch, cycle timing, and countdown

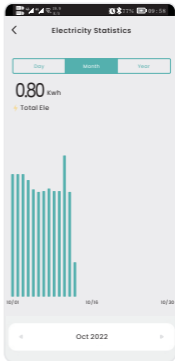


17

Feature

Power Consumption Statistics

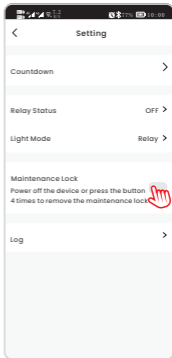
Real-time monitoring and recording statistics of daily, monthly and annual power consumption.



Feature

Child Lock:

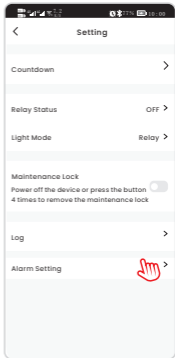
Avoiding accidentally touching the switch, more safer.



Function setting

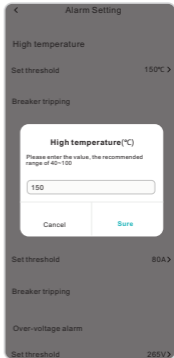
Second Step:

Click "Alarm Setting" to enter the function setting interface.



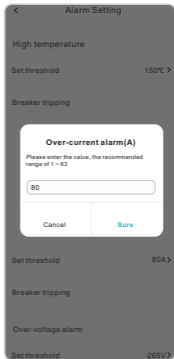
Function setting

Temperature threshold setting
(Threshold:40 ~ 100°C)
when the device internal temperature reaches the threshold setting value, it will alarm or directly trip to protect.



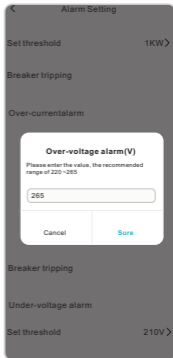
Function setting

Over-current threshold setting
(Threshold: 1 ~ 63A)
when the load current reaches the threshold setting value, it will alarm or directly trip to protect.



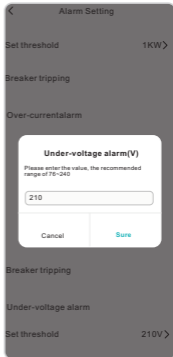
Function setting

Over-voltage threshold setting
(Threshold: 220 ~ 265V)
when the operating voltage
reaches the threshold setting
value, it will alarm or directly
trip to protect.



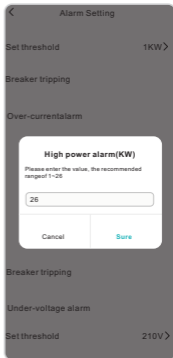
Function setting

Under-voltage threshold setting
(Threshold: 76 ~ 240V)
when the operating voltage reaches the threshold setting value, it will alarm or directly trip to protect.



Function setting

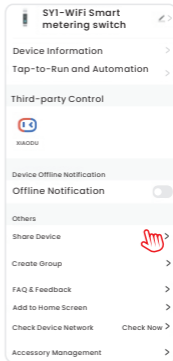
High power threshold setting
(Threshold: 1 ~ 26KW)
when the operating power reaches the threshold setting value, it will alarm or directly trip to protect.



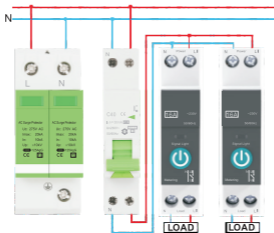
Device Sharing

First Step:

Enter the device information interface, click "Share Device", to check the device sharing interface.



Wiring Diagram



Note: please combine surge protector and circuit breaker device

Please save this manual

Notice:

- ▲ SYI Din Rail smart switch must be installed and maintained by guidance, who masters the skills and knowledge related to the manufacture and operation of electrical equipment and its installation. They can find and avoid related dangers after safety training.
- ▲ If you find any damage of SYI Din Rail smart switch when you open the package, please do not install this device.
- ▲ SYI Din Rail smart switch must be installed in the distribution cabinet or inside the distribution cabinet, isolated by doors or baffle to avoid unauthorized or mistaken access.
- ▲ Installation and use of the SYI Din Rail smart switch must comply with all applicable local, regional and national regulations.
- ▲ When installing the SYI Din Rail smart switch, the professional installation engineer must check whether the mechanical strength and electrical conductivity are qualified.
- ▲ We are not responsible for any consequences resulting from non-compliance with this document and other related documents.