Smart Din Rail Switch (Smart Life APP)



Main Function



Remote control



Temperature protection





Over-current protection



Over-voltage and under-voltage protection



Real-time monitoring of electricity consumption

Main Data Parameter

Protocol: WiFi, ZigBee

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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

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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 in pairing model.

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

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

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





ZigBee Type

First Step:

Add ZigBee gateway in Smartl -ife APP. For the usage of ZigB -ee gateway, please refer to I -ts manual. The device suppo -rts both wired and wireless g -ateway.

Banst		M-9-141	15:01
<	AddDe	evice	@ ∺
Laive Home &			
		Others	
Small		_	_
Home A	(î:		
Kitchen Appliances	Connector (ws-Fi)	Universa Remote	Universo
		Control	Control (Wi-Fi+BL
Exercise & Health			(WI-FITED
nedith	-		
2omero2	× .		- 1
Lock	Connector	Others	Others
		(Wi-Fi)	(Zigbee
Control			
Control			
Outdoor	Others (BLE)	Others (NB-IoT)	Others
Travel			
		-	BUSY
Energy			
	Smart Speaker	Small Lift (Wi-Fi)	Conferen
Entertainm ent		(riy	. usunes
Industry &			
Agriculture			
Others			
others			

WiFi type can start directly from this step

Second Step:

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To connect the wire from the u -pper of the Smart Din Rail Sw -itch the live wire connect to the L pole, and the neutral wir -e connect to the N pole, plea -se make sure that the wiring is correct and strong WiFi sign -al.



Third Step:

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Turn on the Bluetooth and WiFi of the mobile phone, open the APP, and then long press the"p -ower" 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 gr -aphics is displayed the AP -P, or click the "Add subdev -ice".



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 discoveri -ng devices, then click "Add"button.



Configuration Steps

Fifth Step :

Enter the wifi account pass -word and click next step, wait forthe switch to conne -ct the network.

	• 80% D 10:39
Cancel	
Select device workin and enter passw	
😤 ELE	4
۵	~
Next step	

Configuration Steps

Sixth Step :

The switch is connected to the network.



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



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Remote Control

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



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Timer:

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

87	114 R 113 0 \$175 0 19:58
<	Time
	Select timing type
0	Schedule The device can be switched on and off at specified time points
*	Sunrise The equipment is on/off before sunrise, during sunrise and after sunrise
÷	Sunset The equipment is on/off before sunset, at sunset, and after sunset
5	Circulate The device can be turned on/off repea -tedly during the set period
	Cancel

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Power Consumption Statistics

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

Electricity Statistics		
< EIO	ctricity statis	iics
Day	Month	Vear
0,80 Kwh + Total Ele		
	10/16	10/30
	Oct 2022	

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Child Lock:

Avoiding accidentally touc -hing the switch, more safer.

BUNK	0 \$17% 🖬 10:00
<	Setting
Countdown	>
Relay Status	OFF >
Light Mode	Relay >
Maintenance Loc Power off the devic 4 times to remove	k ce or press the button the maintenance lock
Log	>

Function setting

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Second Step:

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



Function setting

Temperature threshold setting (Threshold:40 - 100°C) when the device internal te -mperature reaches the thr -eshold setting value, it will alarm or directly trip to protect.

< Alarm	Setting
High temperature	
Set threshold	150°C >
Breaker tripping	
High temp Please enter the value, range of 40~100	
150	
Cancel	Sure
Set threshold	60A>
Breaker tripping	
Over-voltage alarm	
Set threshold	265V>

Function setting

Over-current threshold setting (Threshold: 1 - 63A) when the load current reach -es the threshold setting val -ue, it will alarm or directly trip to protect.

Alarm Setting Over-current alarm(A) Please enter the value, the recommended 80 Cancel

Function setting

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



Function setting

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

< Alarm:	Setting
Set threshold	1KW>
Breaker tripping	
Over-currentalarm	
Under-volt	tage alarm(V)
Please enter the value range of 76~240	
210	
Cancel	Sure
Breaker tripping	
Under-voltage alarr	n
Set threshold	210V>

Function setting

High power threshold setting (Threshold: 1 - 26KW) when the operating power r -eaches the threshold settin -g value, it will alarm or dire -ctly trip to protect.

<	Alarm S	letting	
Set threshol	d		1KW>
Breaker trip	ping		
Over-currer	ntalarm		
н	gh power	alarm(KW)	
Please ent rangeof 1-	er the value, 26	the recommende	a
26			
Car	cel	Sure	
Breaker trip	ping		
Under-volta	ge alarm		
Setthreshol	d		210V>

Device Sharing

First Step:

Enter the device informatio -n interface, click "Share D -evice", to check the device sharing interface.

SY1-WiFi Sman metering swit	
Device Information	
Tap-to-Run and Auto	mation >
Third-party Control	
XIAODU	
Device Offline Notification	
Offline Notification	
Others	
Share Device	ED,
Create Group	>
FAQ & Feedback	>
Add to Home Screen	>
Check Device Network	Check Now >
Accessory Management	>

26 Wiring Diagram N 00

Note: please combine surge protector and circuit breaker device

Please save this manual

Notice:

- X 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.
- A If you find any damage of SYI Din Rail smart switch when you open the package, please do not install this device.
- A 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.
- A Installation and use of the SYI Din Rail smart switch must comply with all applicable local, regional and national regulations.
- A When Installing the SYI Din Rall amart switch, the professional Installation angineer must check whether the mechanical strength and electrical conductivity are qualified.
- A We are not responsible for any consequences resulting from non-compliance with this document and other related documents.