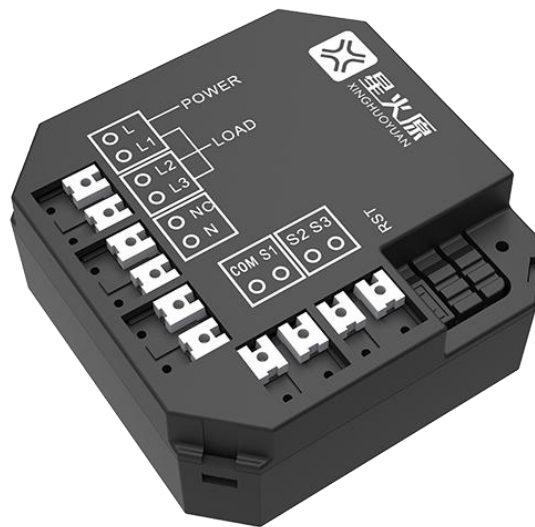


Smart Switch Relay Module



1. Introduction

The smart relay module is a smart device with a built-in ZigBee module. It works with push button switch plate to replace the mechanical switch plate in home and office. As a ZigBee end device, it can be remotely controlled via Sparx Smart App after being added in the ZigBee network. End users can install a Sparx Smart App on their iOS or Android phones and monitor their spaces via 2G/3G/4G/Wi-Fi.

1.1 Features

- Support standard protocol IEEE802.15.4;
- Support push button switch plate
- SparxSmart App can be installed on a phone or a tablet to

control the lights remotely.

2. Application

The switch replay module can be applied at home and office for the purposes of lighting control.

3. Product Standard

Comply with the standard system of smart home.

4. Certification

Comply with 3C/FCC/CE/RoHS certification.

5. Product Parameters

5.1 Appearance Specification

Appearance	Parameters
Size	48 x 48 x 20 mm
Color	Black
Weight	160 g

5.2 Hardware specification

Item	Hardware Specifications
Button	- Press the push button switch for 12 times in 6 seconds to add the device; - Press the switch for 6 seconds to add the device;
Indicator	The blue indicator blinks 6 times when the module is being added in the system.

Terminals	AC100~240V, L input
	AC100~240V, N shared terminal
	AC100~240V, L1 output
	AC100~240V, L2 output
	AC100~240V, L3 output
Rated power	150W (Max)
Life Span	100,000 times
Antenna	External 2.4G antenna
ZigBee	
Wireless standard	IEEE802.15.4
Wireless output power	4.5dBm (max)
Wireless receiving sensitivity	-97dBm (min)
Wireless coverage area	30m

5.3 Software Specification

Item	Software Specifications
Lighting control	Control lights though physical buttons
	Control lights through the application
Firmware upgrade	Upgrade firmware via the serial port

6. Functions

Features
Control lights though physical switch buttons
Control lights through the application on iOS or Android phones

7. Product Performance

Item	Performance
ZigBee Performance Index	Comply with ETSI300 328 and EN301 489

Reliability	High temperature test Low temperature test Vibration test Drop test Aging test
Certification	CCC, CE

8. Product Requirements

8.1 User Interface Requirement

See the user interface of the Sparx Smart application.

8.2 Working Environment

Working Environment	Requirement
Storage Temperature	-20°C~+60°C
Operating Temperature	-10°C~+50°C
Humidity	0~90%, Non-Condensing

8.3 Installation

