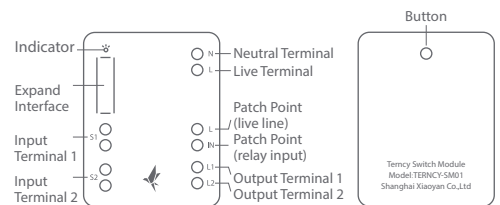


Switch Module Introduction

The Terncy Switch Module (Model: TERNCY-SM01-D2/TERNCY-SM01-D3), is an easy to install accessory. By installing it into switches, sockets or other electrical devices, you can create a remote connection for smart lighting, use voice control, create automations, or other functions via Home center.

- * Switch Module follows ZigBee 3.0 wireless protocol.
- * It needs to be connected to N and L line at the same time.



Guidance

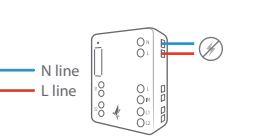


Fig.1

- * Power off during installation to prevent electric shock.

1. Connect L and N line
Connect L line to L, N line to N. (Fig.1)
2. Connect input terminal
Connect two routes of lines to S1 and S2 respectively. (Fig.2)

2

Guidance

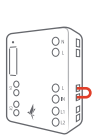


Fig.3

3. Connect output terminal
A. Connect device as per the type of load.
 - ① A.C. device: Connect L and IN with the attached wire. (Fig.3)
 - ② D.C. device: Connect D.C. power line directly to IN. (Fig.4)* For D.C. device, do not link L with IN.
- B. Connect L1 and L2 to the device. (Fig.5)

3

Guidance



Fig.6

4. Connect to the expand interface
This can drive the LED indicators on switches or supply power to external devices.
 - * Do not touch the expand interface whilst the power is on.A. Connect an LED indicator.
 - ① Unclench the cover of the interface. (Fig.6)
 - ② Insert the 6-pin header into the interface firmly. (Fig.7)
 - ③ Connect the +/- wire of LED1 or LED2 to the plus-n-minus of the LED indicator. (Fig.8)* The Module supports up to two sets of 5V or 12V LED indicator with 20mA max output current.

4

Guidance



Fig.7

- B. Supply power for external devices.
Connect 12V and GND of the 6-pin header to the corresponding plus-n-minus of external device. (Fig.9)
 - * The Module supports 12V d.c. with 50mA max output current.

5

Indicator Light State



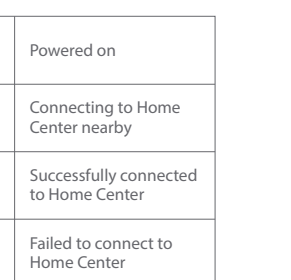
Fig.9

- | Indicator | Indicator State | Indicator Light State |
|-----------|---------------------------------------|---------------------------------------|
| Indicator | Green light always on | Powered on |
| | Green light flashes 10 times per sec. | Connecting to Home Center nearby |
| | Green light flashes every 2 sec. | Successfully connected to Home Center |
| | Green light flashes 4 times per sec. | Failed to connect to Home Center |

6

Download and Install App

Download the Terncy app from app markets or scan the QR code below. Follow the instructions within the app to connect the Switch Module to Home Center.



7

Setting Up The Accessory for The First Time

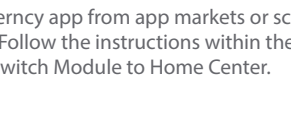


Fig.8

1. Click the "Add Device" button in the Device tab of the Terncy app.
2. The new device can be found after 3 seconds under power-on conditions.

8



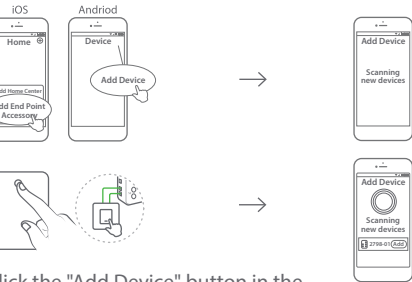
WeChat official account

Contact Us

Online Support: <http://www.xiaoyan.io/service>
E-mail: support@xiaoyan.io

Manufacturer: Shanghai Xiaoyan Technology Co., Ltd.

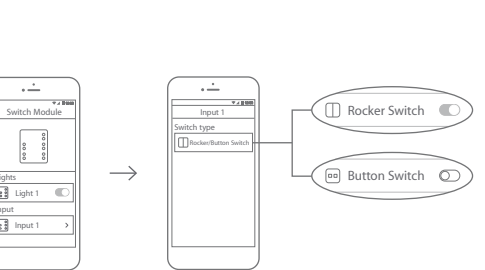
Set Up The Accessory Again



1. Click the "Add Device" button in the Device tab of the Terncy app.
2. If the module is out of the junction box, long press the button for 6 secs. The device will be found after 3 secs.
3. If the module is installed inside the junction box, find the device by toggling the rocker switch 5 times in 2 secs, or pressing the button switch 10 times in 4 secs.

9

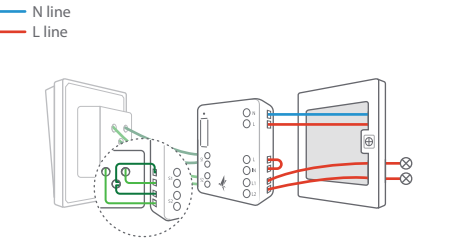
Set Switch Type



1. Visit the device details page of the Switch Module in the Terncy app.
 2. Click Input 1 or Input 2 to select the switch type.
- * **The Switch Module defaults to rocker switch types, but also supports buton switches.**

10

Application Scenarios

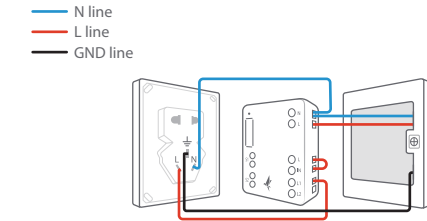


1. Smarten your switch

Install the Switch Module behind the switch panel to enable voice control, schedules, automations, and other functionality.

11

Application Scenarios



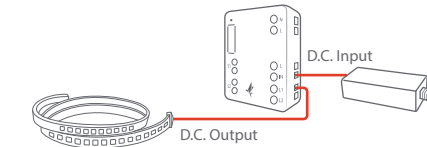
2. Smarten your socket

Install the Switch Module behind the socket panel to enable voice control, schedules, automations, and other functionality.

12

Application Scenarios

N line
L line



3. Smarten your Light Strip

Connect the Switch Module between the light strip and the adaptor to allow for voice control, schedules, automations, and other functionality.

* Visit https://www.xiaoyan.io/blog/posts/sm01_usage for more usage, such as wall switch for hotel scenario.

13

Notes 1

1. Do not soak or wash your devices.
2. Keep products away from fire, high temperatures or any other extreme environment.

Notes 2

Home Center is required to enable the Switch Module to work with HomeKit technology. Visit <http://www.xiaoyan.io> for more details.

14



Manual of
Terncy Switch Module

Warranty Card

Xiaoyan's after-sales service includes:

Xiaoyan Tech shall remove any physical defects inherent in the device which are listed on the warranty card, free of charge, by replacing (at the sole discretion of Xiaoyan Tech) the defective device within a period of 15 days from the date of receipt by the consumer, and by repairing the defective components of the device within the period of 12 months from the date of receipt by the consumer.

*** The warranty may vary in different countries and regions.**

The Warranty Applies to:

1. surface damage resulting from mishandling during transport, or defects inherent in material or structure of the products;
2. failure of the buttons or indicator lights;
3. failure of wireless communication.

The Warranty Does Not Apply:

1. when the warranty period has expired;
2. to damage resulting from repairing and introducing alterations by unauthorized persons;
3. to damage caused by using accessories not recommended by the manufacturer;
4. to damage resulting from other avoidable causes.

FCC Statement:

Any Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

FCC Radiation Exposure Statement:

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with minimum distance 20cm between the radiator & your body.

This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

IC RSS warning

This device complies with Industry Canada licence-exempt RSS standard (s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence.

L'exploitation est autorisée aux deux conditions suivantes:

- (1) l'appareil ne doit pas produire de brouillage, et
- (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

IC Radiation Exposure Statement:

This equipment complies with ISED radiation exposure limits set forth for an uncontrolled environment.

This equipment should be installed and operated with minimum distance 20cm between the radiator & your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter. Le rayonnement de la classe B respecte ISED fixaient un environnement non contrôlés. Installation et mise en œuvre de ce matériel devrait avec échangeur distance minimale entre 20 cm ton corps. Lanceurs ou ne peuvent pas coexister cette antenne ou capteurs avec d'autres.