

In-Wall Relay Switch

Smart Relay (Zigbee version) Instruction Manual

Rev. A-031821

P/N SRB01

**Please see separate Smart Switch Sub-Assembly manual for complete instructions.*

Complete Accessories Include



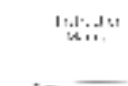
Smart Relay (1)



Heat-conducting sticker (1)



Fixing screw (1)



Instruction Manual (1)

Device Identification QR Code (Zigbee)

Warnings and Considerations

SAVE THESE INSTRUCTIONS

- **Warning!** Turn OFF electrical power before installing or servicing this product. Improper use or installation can cause SERIOUS INJURY, DEATH or LOSS/DAMAGE OF PROPERTY.
- **Warning!** This device must be protected by a circuit breaker (20A max).
- **Important:** This device must be installed by a licensed electrician in accordance with all national and local electrical codes.
- **Caution:** This product must not be wired to a circuit exceeding the rated working voltage.
- **Caution:** Use this device only with copper or copper-clad wire. Do not use aluminum wiring. This product has not been approved for use with aluminum wiring.
- **Important:** Using this product in a manner other than outlined in this document voids your warranty. Further, Focalcrest is NOT liable for any damage incurred with the misuse of this product.
- **Important:** Please use this product in an indoor environment.
- **Important:** Please make sure that the type of load complies with relevant requirements of this device.
- **Important:** The wireless communication distance may be affected or reduced by metal casings, mirrors, electric appliances, etc.

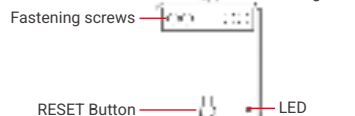
Product Introduction

Smart Relay uses Zigbee wireless technology and may be used in different loads, including incandescent lamps, halogen lamps, LED lamps and fluorescent lamps. It is small in size and may be installed in the box of light fixtures. This device is compatible with standard Zigbee 3.0 gateway or devices for remote control and inter-operation.

Technical Specifications

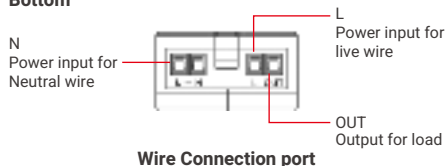
Model number	SRB01
Input Voltage	AC 85V~245V
Max. Load Power	AC 110V/300W AC 220V/600W
Min. Load Power	No limit
Type of Load	Lighting
Operating Temperature	0~40°C (32°~104°F)
Relative Humidity	5~85% RH
Wireless Connectivity	Zigbee 2.4GHz IEEE 802.15.4
Zigbee Profile	Zigbee 3.0
RF Characteristics	Operating frequency: 2.4GHz Range: 30m~60m Internal antenna
Product Size (L*W*H)	59.4mm * 39.3mm * 21.2mm (2.34in. x 1.55in. x 0.83in.)

Front



Panel Connection port

Bottom



Installation Instructions

Caution: All installations of this device should be performed by a qualified or licensed electrician!

Step 1:

Please note that if your Zigbee 3.0 gateway adds devices by scanning QR codes, please scan the device identification QR code on the device before installation.

Step 2:

Shut off the main circuit breaker (MCB) for safety during the installation.

Step 3:

Connect the wires according to one of the two diagrams below

- ① Connect the LIVE wire to the 'L' terminal
- ② Connect the NEUTRAL wire to the outer 'N' terminal
- ③ Connect the LOAD wire to the 'OUT' terminal
- ④ (Fig. 3a only) Connect the NEUTRAL wire from the light to the inner 'N' terminal

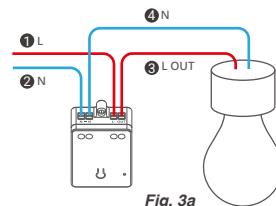


Fig. 3a

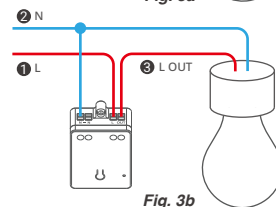


Fig. 3b

Step 4:

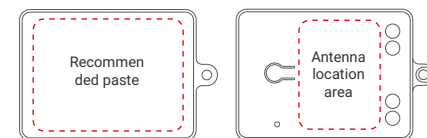
Switch on the main circuit breaker to check if the wires are connected correctly. If they are correct, the LED light on the **Smart Relay** will be on.

Step 5:

Shut off the main circuit breaker again.

Step 6:

Stick the heat-conducting sticker at the recommended position on the **Smart Relay** and fix it on a proper plane of the box. (Make sure the 'antenna location area' is not blocked)



Step 7:

Switch on the main circuit breaker (MCB) and check if the light can be turned on.

Operating Instructions

Adding to your Zigbee network (Inclusion)

1. Set your Zigbee 3.0 gateway into inclusion/pairing mode (Refer to the gateway's manual)
2. Set the **Smart Relay** into inclusion/pairing mode with either methods. The LED will slowly blink blue for 30 seconds.
 - a. Short press the RESET button.
 - b. (Alternative) If the Smart Switch installed too, quickly toggle the mechanical switch panel over 10 times
3. If the **Smart Relay** is successfully paired, the LED will be solid blue.

Removing from Zigbee network (Exclusion)

1. Remove the **Smart Relay** from your Zigbee 3.0 gateway
2. Press and hold the RESET button for more than 5 seconds.
3. If the **Smart Relay** is removed, the LED will be solid red.

Resetting to factory defaults

1. Press and hold the RESET button for more than 5 seconds. If the LED light is solid RED, the **Smart Relay** has been factory reset and all data have been cleared.

Indicator Light Status

Description	Indicator Light Status
Pairing mode	The BLUE LED blinks slowly for 30 seconds
Normal Zigbee network working mode	The BLUE LED is always on
No Zigbee network working mode	The RED LED is always on
Switch operation	The BLUE LED blinks once

Warranty Policy

Focalcrest Limited Warranty

Thank you for purchasing **In-Wall Relay Switch**. Focalcrest Limited values your business and always strives to provide you the very best quality of service.

1. HARDWARE PRODUCT LIMITED WARRANTY.

Focalcrest warrants to the original end user purchaser, ("Customer") of each new Focalcrest product that such Focalcrest Product hardware and components ("Product Hardware"), when used in accordance with the technical specifications by Focalcrest, will be free, in all material respects, of defects in materials and workmanship under normal use ("Limited Warranty"). This Limited Warranty is non-transferable and sets forth Focalcrest's sole and exclusive liability, and the sole and exclusive remedies available in relation to any non-conformity, defect or similar claim.

2. EXCLUSIONS NOT COVERED BY THIS LIMITED WARRANTY.

This Limited Warranty does not cover, and Focalcrest and its suppliers are not responsible for:

- (A) Damage, malfunction, or inoperability of the Focalcrest Product caused by: DEALER RECOMMENDED OR CERTIFIED BY Focalcrest.
- (i) shippers or delivery services, or due to Customer improperly opening the Focalcrest Product packaging;
- (ii) Operation, storage, or application of the Focalcrest Product outside of the environmental, temperature, and other specifications provided in the Documentation;
- (iii) Acts of God, including, but not limited to, flood, fire, earthquake, lightning, electrical surges, or any other external cause;
- (iv) Any act beyond Focalcrest's direct control, including, but not limited to, unauthorized repair or installation by Customer or 3rd party, accident, abuse, misuse, neglect, use of incompatible devices and accessories, operating the Focalcrest Product outside the permitted or intended uses provided in the Documentation, or any other reason besides a defect in material or workmanship;
- (v) Use of incorrect voltage lines, fuses, circuit breakers, or incompatible load types as set forth in the Documentation, or failure to provide adequate, continuous, compatible power to the Product, if applicable;
- (vi) Interference from radio frequencies, infrared sources, or obstacles;
- (vii) Normal wear and tear, or failure to install, maintain, or repair the Focalcrest Product in accordance with the Documentation and the applicable provisions of law for the jurisdiction where the Focalcrest Product is being installed;
- (viii) Any product, part or software that has been modified to alter functionality or capability without the express written permission of Focalcrest;
- (ix) Batteries and consumable parts (if any), unless damage occurred due to a defect in materials or workmanship in the Focalcrest Product;
- (x) Cosmetic damage, including, but not limited to, scratches, dents and normal wear and tear;
- (xi) Focalcrest Product in which the serial number has been removed or defaced; and
- (xii) ANY DAMAGE, MALFUNCTION, OR INOPERABILITY ARISING FROM INSTALLATION, MAINTENANCE, OR PROGRAMMING PERFORMED BY AN INDEPENDENT CONTRACTOR, INCLUDING, WITHOUT LIMITATION, ANY

(B) any on-site labor costs incurred by Customer for the diagnosis, removal, repair, re-installation, and/or reprogramming of the Focalcrest Product;

(C) any non-Focalcrest hardware, including the functionality of 3rd party products controlled or automated by Focalcrest Products or Software (a "Focalcrest System"), batteries or software product (manufacturers, suppliers, or publishers, other than Focalcrest may provide their own warranties to Customer for their products, but Focalcrest, insofar as permitted by law, provides non-Focalcrest Products only "AS IS"); and

(D) the cost of repairing or replacing, or compensation for, any property that is damaged when a Focalcrest Product does not work properly, even if the damage was caused by a Focalcrest Product.

Certifications (regional):

FCC ID: 2AYEW-SRB01



FCC Statement

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.

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

NOTE:

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation.

This equipment generates uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the

equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Consult the dealer or an experienced technician for help.

Important Announcement Important Note 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 and your body. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

Disposal Instructions:

This symbol on the product or on its packaging indicates that this product must not be disposed of with your other household waste. Instead, it is your responsibility to dispose of your waste equipment by handing it over to a designated collection point for the recycling of electrical and electronic equipment waste.

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