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Thinkbee KIUY-9

Thinkbee Wireless Light Switch Kit User Manual

Model: KIUY-9

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Thinkbee Wireless Light Switch Kit. Please read this manual thoroughly before installation and use to ensure proper function and safety.

2. SAFETY INFORMATION AND WARNINGS

- **WARNING:** Always turn off power at the circuit breaker before installing or servicing the receiver. Failure to do so may result in serious injury or death.
- The receiver requires both live and neutral wires for power. Do not install in a single-pole switch box that lacks a neutral wire.
- It is not recommended to install the switch on a metal surface or the receiver in a metal cover. Metal can block the wireless signal and reduce the remote control distance.
- Ensure all wiring connections are secure and comply with local electrical codes. If you are unsure about wiring, consult a qualified electrician.
- Do not exceed the maximum load capacity of 1000W or 10A for the receiver.
- This product is IP66 waterproof, suitable for damp locations, but avoid submerging it in water.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- 1x Wireless Switch (Transmitter)
- 1x Mini Receiver
- 2x Stickers
- 2x Wiring Connectors
- 1x User Manual (This document)



Image 3.1: Components of the Thinkbee Wireless Light Switch Kit, including the switch and receiver.

4. PRODUCT SPECIFICATIONS

Component	Specification
Transmitter (Wireless Switch)	
Waterproof Rating	IP66
Dimensions	8.6 x 8.6 x 1.1 cm
Working Temperature	-30°C ~ +75°C
Battery Model	3V CR2032 (included)
Receiver	
Voltage	AC 80-275V
Composite Load	1000W

Maximum Load	10A
Dimensions	3.9 x 2.3 x 2.2 cm
Remote Control Mode	Radio Frequency
Common Attributes	
Sensitivity	-116 dB
Radio Frequency	433.932 MHz
Material	Fire protection ABS (refractory PC Chimei)
Remote Control Distance	Outdoor 600M (1969ft), Indoor 40M (130ft) (through-wall)
Certifications	CE, FCC, RoHS

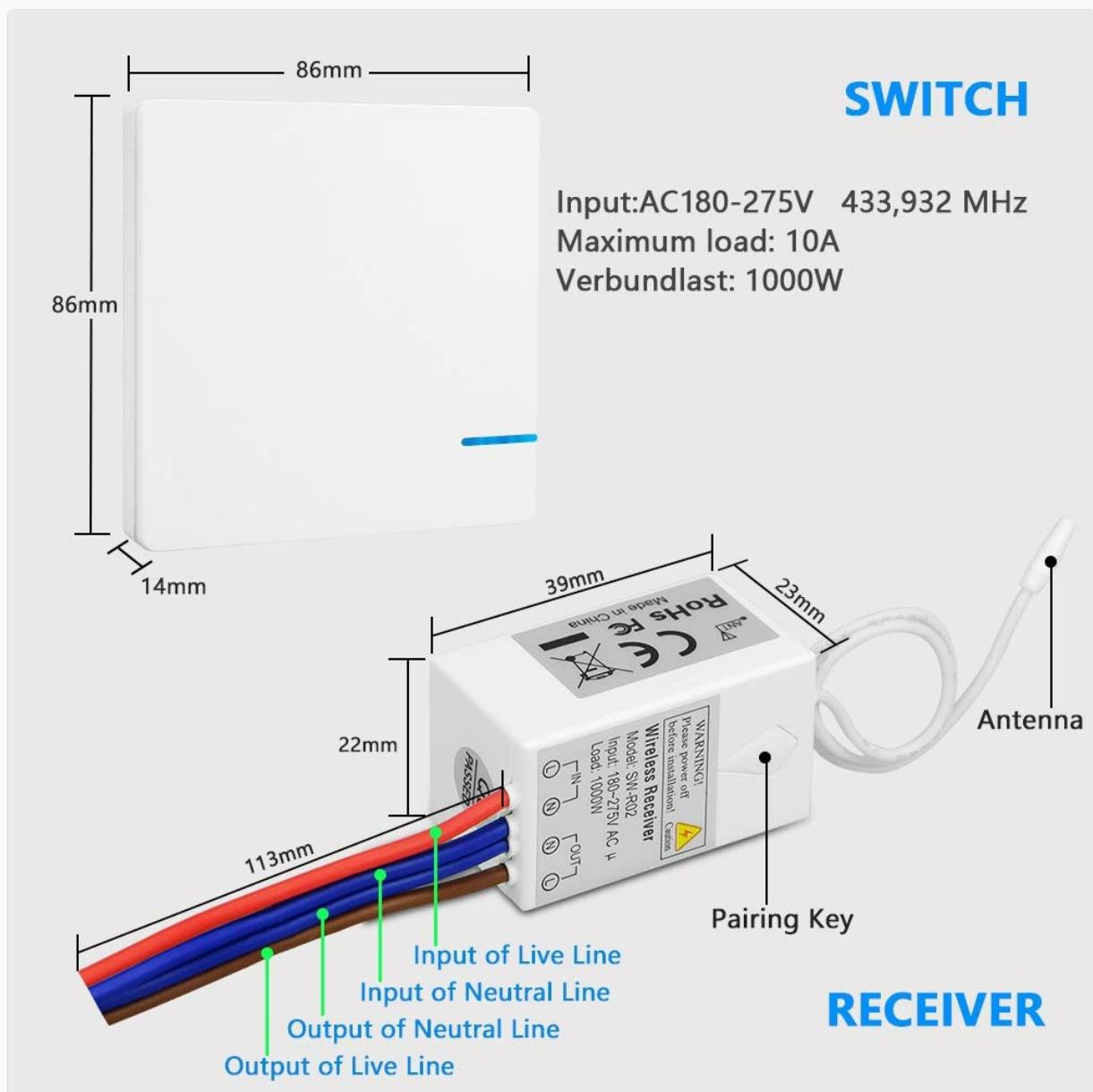


Image 4.1: Detailed dimensions and specifications for the wireless switch and receiver.

5. INSTALLATION INSTRUCTIONS

5.1. Receiver Wiring

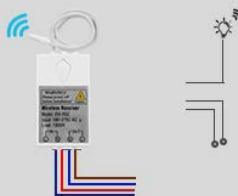
1. **Turn off Power:** Before starting any electrical work, ensure the power supply to the circuit is turned off at the main circuit breaker.
2. **Identify Wires:** The receiver has input and output wires.
 - Input Live Line (Red)
 - Input Neutral Line (Blue)
 - Output Live Line (Brown)
 - Output Neutral Line (Blue)
3. **Connect Input:** Connect the Input Live Line (Red) and Input Neutral Line (Blue) of the receiver to the corresponding live and neutral wires from your power source.
4. **Connect Output:** Connect the Output Live Line (Brown) and Output Neutral Line (Blue) of the receiver to the corresponding live and neutral wires of the light fixture or appliance you wish to control.
5. **Secure Connections:** Use the provided wiring connectors or appropriate wire nuts to ensure all connections are secure and insulated.
6. **Mount Receiver:** The mini receiver is designed to fit into control boxes such as canopy, distribution box, or electrical box. Ensure it is placed in a location where the signal will not be obstructed by metal.
7. **Restore Power:** Once all connections are secure and the receiver is safely housed, restore power at the circuit breaker.



One Switch Control One Lamp



Multi Switches Control One Lamp



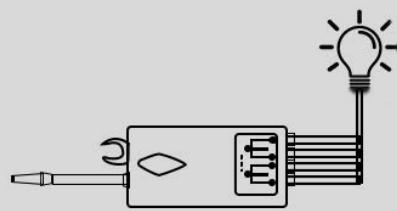
Pairing Method



Press 2 seconds until the indicate lights



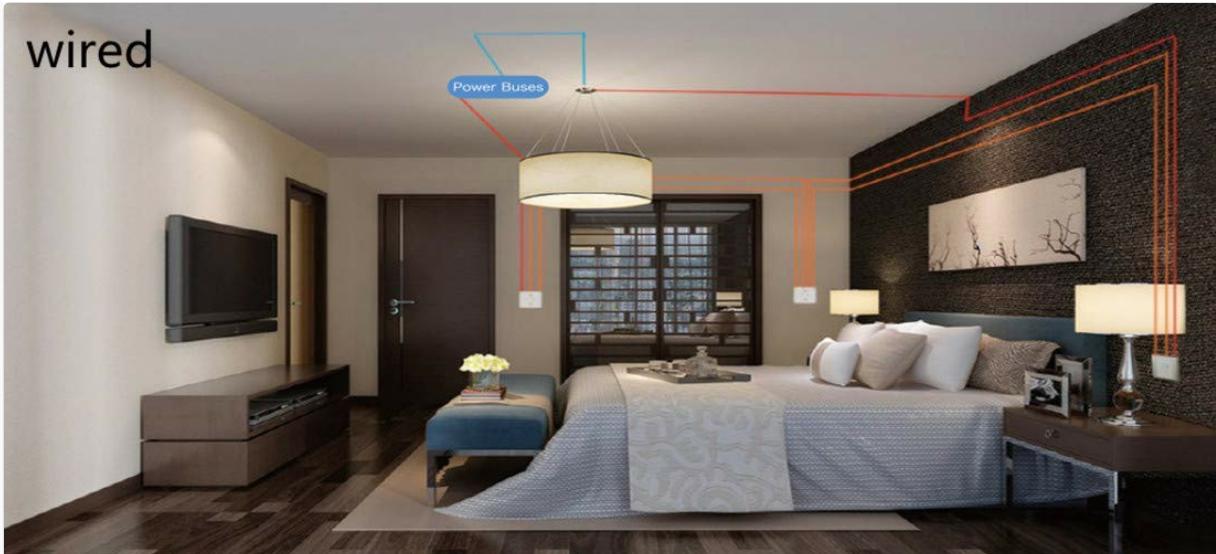
Click on the wireless switch you want to pair



When the light on means pairing successful

Image 5.1: Wiring diagram for connecting the receiver to a power source and a light.

wired



traditional wired switch VS new wireless switch

wireless

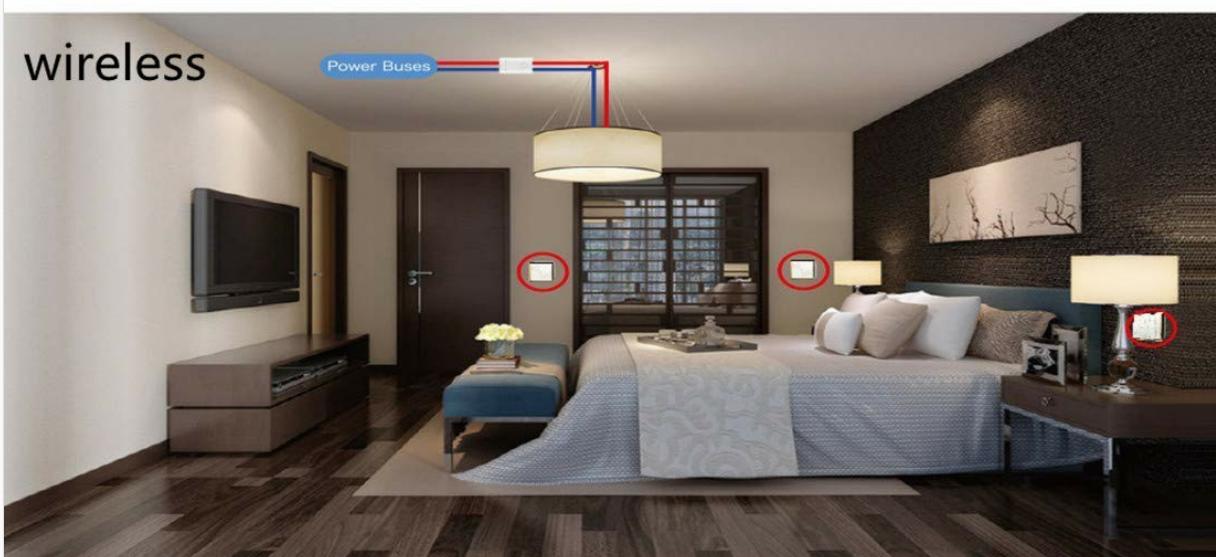


Image 5.2: Visual comparison of traditional wired switch setup versus the simplified wireless switch installation.

5.2. Wireless Switch Mounting

The wireless switch does not require wiring and can be mounted in various locations:

- **Adhesive Mounting:** Use the provided self-adhesive stickers to attach the switch to any flat, clean surface. Ensure the surface is dry and free of dust or grease for optimal adhesion.
- **Screw Mounting:** The switch can also be mounted using screws (not included) through designated holes if a more permanent fixture is desired.



Image 5.3: Example of the wireless switch mounted on a wall.

6. OPERATING INSTRUCTIONS

6.1. Pairing the Wireless Switch with the Receiver

Follow these steps to pair your wireless switch with the receiver:

- 1. Activate Pairing Mode on Receiver:** Press and hold the pairing key on the receiver for approximately 2 seconds until the indicator light on the receiver begins to flash. This indicates the receiver is in pairing mode.
- 2. Activate Switch:** Within 10 seconds of the receiver entering pairing mode, click the wireless switch you wish to pair.
- 3. Confirmation:** The light connected to the receiver will turn on, indicating successful pairing.
- 4. Multiple Switches:** One receiver can be paired with up to 8 wireless switches. Repeat the pairing process for each additional switch.

Signal can go through walls

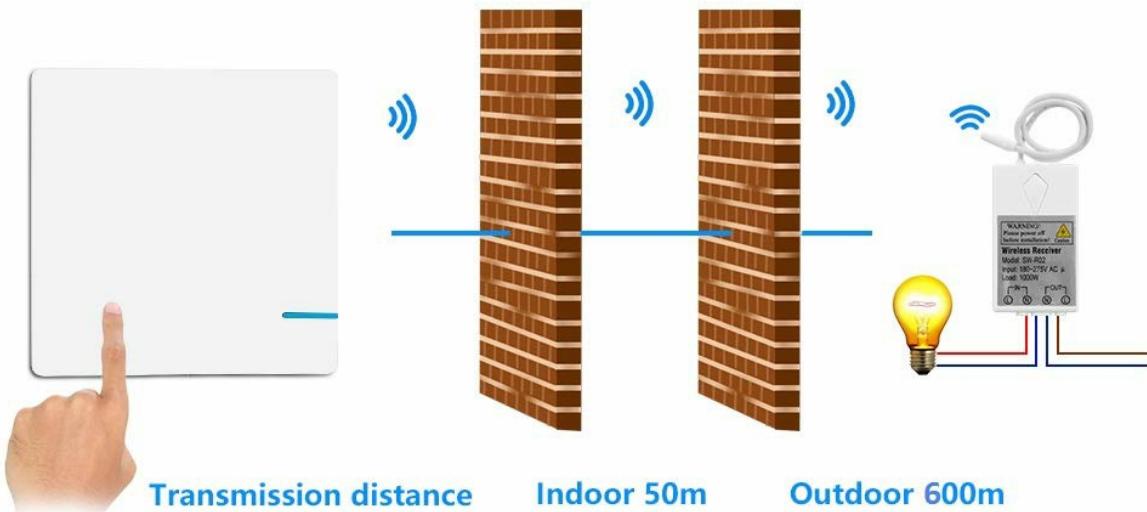


Image 6.1: Step-by-step guide for pairing the wireless switch with the receiver.

6.2. Basic Operation

Once paired, simply press the wireless switch to toggle the connected light or appliance ON/OFF.



Image 6.2: Demonstrating the simple operation of the wireless switch.

7. MAINTENANCE

7.1. Cleaning

Wipe the surfaces of the wireless switch and receiver with a soft, dry cloth. Do not use abrasive cleaners or solvents.

7.2. Battery Replacement (Wireless Switch)

The wireless switch is powered by a 3V CR2032 lithium battery. The battery has a lifespan of approximately 10 years. When replacement is needed:

1. Carefully pry open the switch casing to access the battery compartment.
2. Remove the old CR2032 battery.
3. Insert a new 3V CR2032 battery, ensuring correct polarity.
4. Snap the switch casing back together securely.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Light does not turn ON/OFF.	No power to receiver. Receiver not paired with switch. Wireless signal interference. Faulty wiring.	Check circuit breaker and receiver power connections. Re-pair the switch and receiver (refer to Section 6.1). Ensure receiver is not in a metal enclosure; move switch closer to receiver. Verify all wiring connections are correct and secure.

Reduced remote control distance.	Obstruction by metal surfaces. Excessive distance.	Relocate the receiver or switch away from metal. Ensure the distance is within the specified indoor (40m) or outdoor (600m) range.
Switch indicator light does not illuminate when pressed.	Low or dead battery in wireless switch.	Replace the CR2032 battery (refer to Section 7.2).

9. WARRANTY AND SUPPORT

Thinkbee provides a no-hassle 36-month warranty for this product. For technical support, troubleshooting assistance, or warranty claims, please contact Thinkbee customer service. You can typically find contact information on the product packaging or the official Thinkbee website.

Customer Service: Available 24 hours.

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