NAMRON ZIGBEE 2 KANALER BRYTER K4 SORT Instruction Manual

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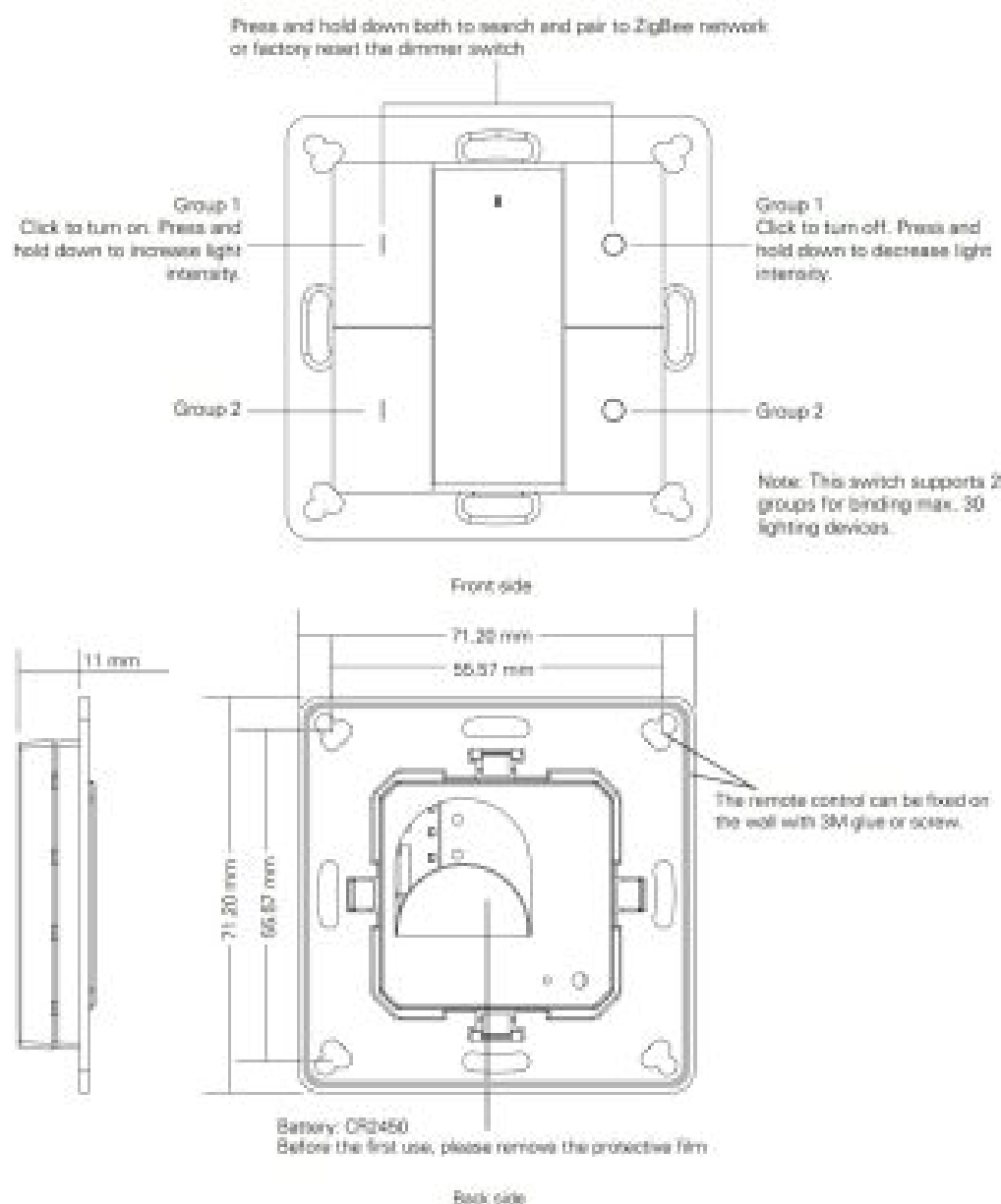**Important:** Read All Instructions Prior to Installation

Contents

Function introduction

Press and hold down both to search and pair to ZigBee network
or factory reset the dimmer switch

Group 1
Click to turn on. Press and
hold down to increase light
intensity.

Group 1
Click to turn off. Press and
hold down to decrease light
intensity.

Group 2

Group 2

Note: This switch supports 2
groups for binding max. 30
lighting devices.

Front side

11 mm

71.20 mm

55.57 mm

71.20 mm

66.62 mm

The remote control can be fixed on
the wall with 3M glue or screw.

Battery: CR2450
Before the first use, please remove the protective film

Back side

Product Data

Protocol	ZigBee 3.0
Operation Voltage	3VDC (CR2450)
Transmission Frequency	2.4GHz
Transmission Range (free field	30m
Protection Type	IP20
Dimming Range	0.1%-100%
Dimensions	71.2×71.2×13.6mm

- ZigBee dimmer switch based on ZigBee 3.0
- Enables to pair ZigBee lighting devices via touchlink commissioning without coordinator
- Supports find and bind mode to pair with ZigBee lighting devices
- Supports 2 groups for binding max. 30 lighting devices
- 2.4 GHz global operation
- Long battery life mesh technology
- Transmission range up to 30m
- Compatible with universal ZigBee Gateway products
- Compatible with universal single color ZigBee lighting devices

ZigBee Clusters Supported by This Remote Are As Follows:
Input clusters:

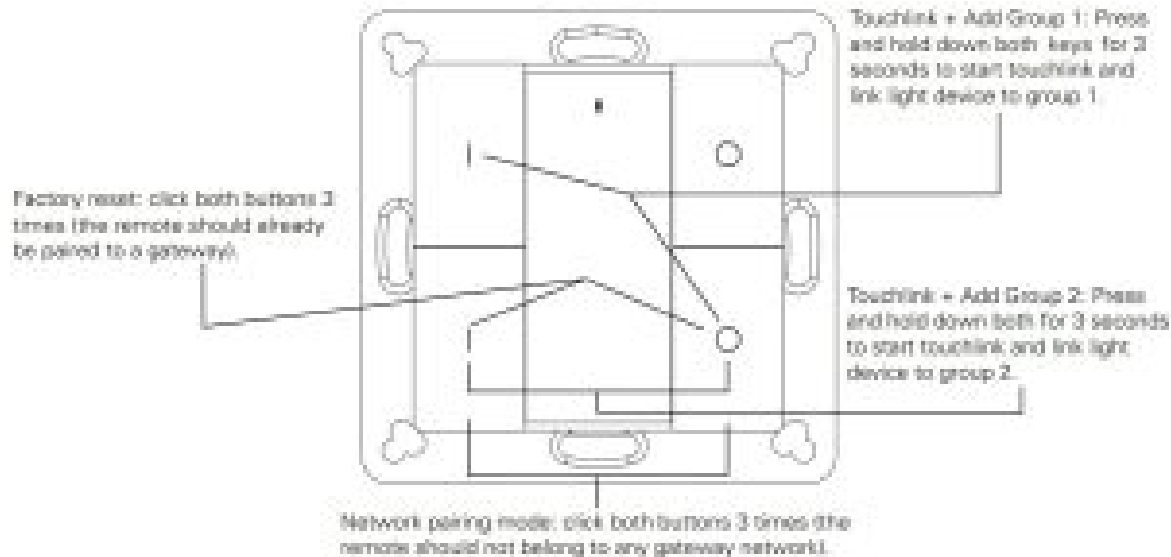- Basic
- Power Configuration
- Identify
- Diagnostics

Output clusters:

- Identify
- Group
- On/off
- Level control
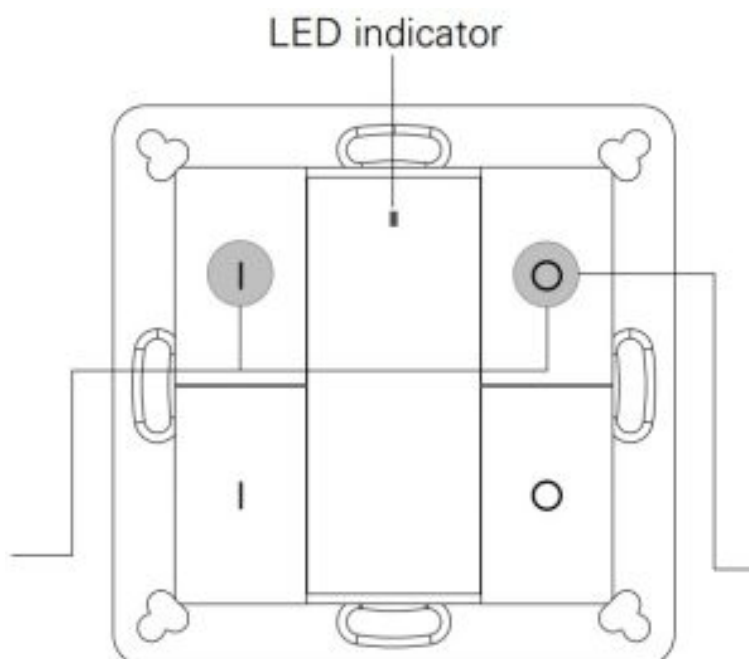- Ota

Safety & Warnings

- This device contains a button lithium battery that shall be stored and disposed properly.
- DO NOT expose the device to moisture.

Quick Start (Simplified operation compared to standard operations in the part "Operation")
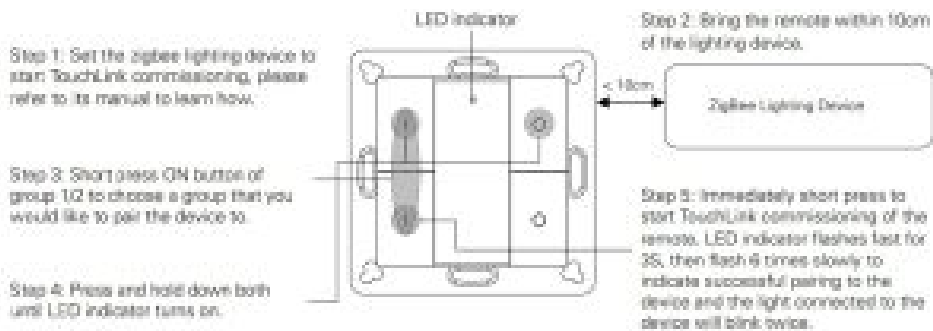

Operation

1. This ZigBee Dim remote is a wireless transmitter that communicates with a variety of ZigBee compatible systems.
   This transmitter sends wireless radio signals that are used to remotely control a compatible system.
2. This ZigBee remote supports 2 groups for binding max. 30 lighting devices and enables to control single color ZigBee lighting devices.
3. Zigbee Network Pairing through Coordinator or Hub (Added to a Zigbee Network)

LED indicator

4. TouchLink to a Zigbee Lighting Device

Step 1: Set the zigbee lighting device to start TouchLink commissioning, please refer to its manual to learn how.

Step 3: Short press ON button of group 1/2 to choose a group that you would like to pair the device to.

Step 4: Press and hold down both until LED indicator turns on.

LED indicator

Step 2: Bring the remote within 10cm of the lighting device.

< 10cm

ZigBee Lighting Device

Step 5: Immediately short press to start TouchLink commissioning of the remote, LED indicator flashes fast for 3S, then flash 6 times slowly to indicate successful pairing to the device and the light connected to the device will blink twice.
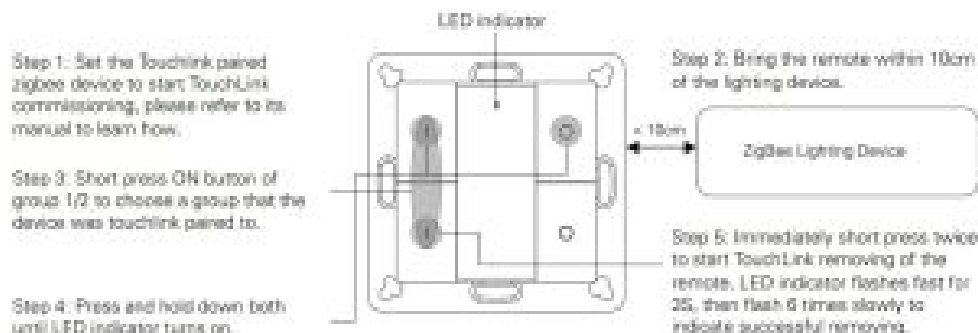
Note:

- Directly TouchLink (both not added to a ZigBee network), please first factory reset both the remote and device, each remote can link with max. 30 devices, please make sure the first linked device is always powered on when touchlink the remote with 2nd device and more devices.
- TouchLink after both added to a ZigBee network, each device can link with max. 30 remotes.
- To control by both remote and hub, add both remote and device to network first then TouchLink, after TouchLink, the device can be controlled by the linked remotes and Zigbee hub together.

5. Removed from a Zigbee Network through Coordinator or Hub Interface
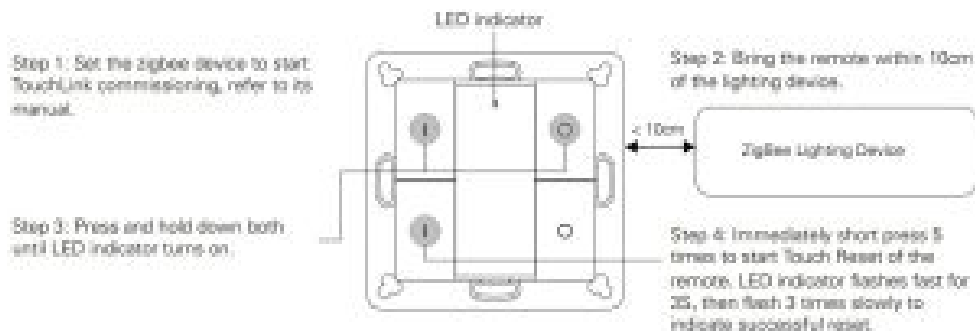

From your ZigBee controller or hub interface, choose to delete or reset the remote as instructed, indicator flashes 3 times quickly to indicate successful removing.
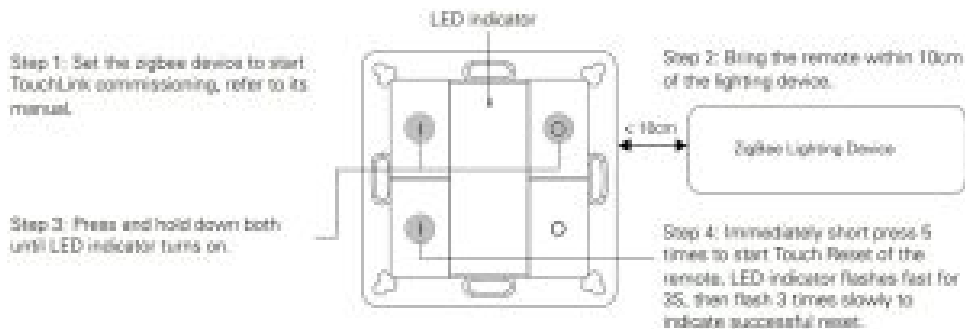
6. Factory Reset Manually

Step 1: Set the Touchlink paired zigbee device to start TouchLink commissioning, please refer to its manual to learn how.

Step 3: Short press ON button of group 1/2 to choose a group that the device was touchlink paired to.

Step 4: Press and hold down both until LED indicator turns on.

LED indicator

Step 2: Bring the remote within 10cm of the lighting device.

< 10cm

ZigBee Lighting Device

Step 5: Immediately short press twice to start TouchLink removing of the remote, LED indicator flashes fast for 3S, then flash 6 times slowly to indicate successful removing.

7. Remove a Touchlink Paired ZigBee Lighting Device

Step 1: Set the zigbee device to start TouchLink commissioning, refer to its manual.

LED indicator

Step 2: Bring the remote within 10cm of the lighting device.

< 10cm

Zigbee Lighting Device

Step 3: Press and hold down both until LED indicator turns on.

Step 4: Immediately short press 5 times to start Touch Reset of the remote. LED indicator flashes fast for 3S, then flash 3 times slowly to indicate successful reset.
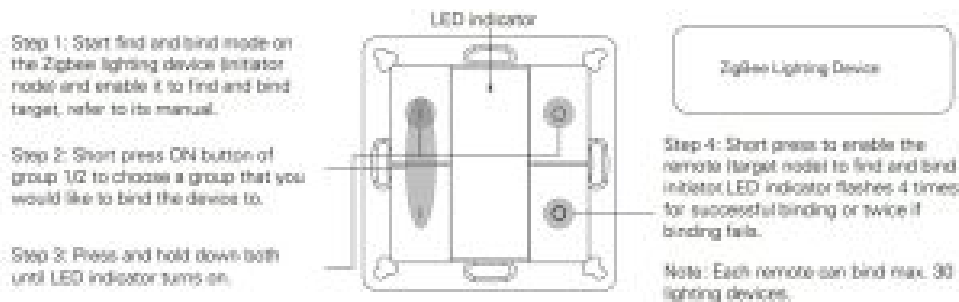
8. Factory Reset a Lighting Device (Touch Reset)

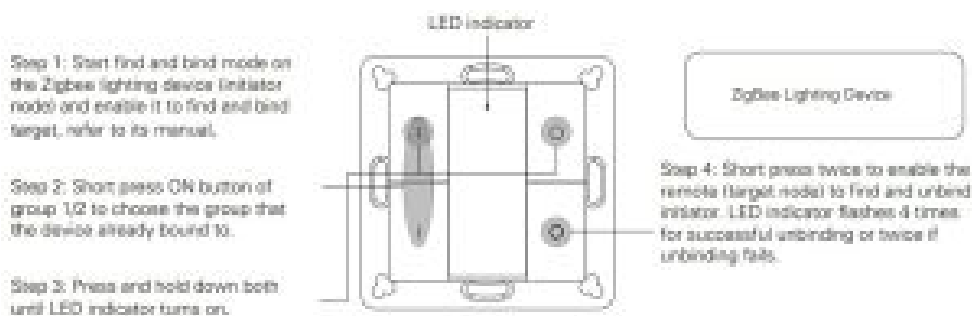**Note:** the device shall be added to a network, the remote added to the same one or not added to any network.
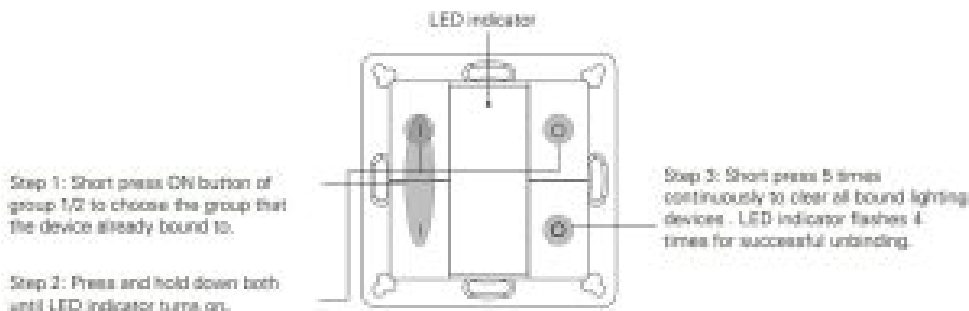
Step 1: Set the zigbee device to start TouchLink commissioning, refer to its manual.

LED indicator

Step 2: Bring the remote within 10cm of the lighting device.

< 10cm

Zigbee Lighting Device

Step 3: Press and hold down both until LED indicator turns on.

Step 4: Immediately short press 5 times to start Touch Reset of the remote. LED indicator flashes fast for 3S, then flash 3 times slowly to indicate successful reset.

9. Find and Bind a Zigbee Lighting Device

Note: Make sure the device and remote already added to the same zigbee network.

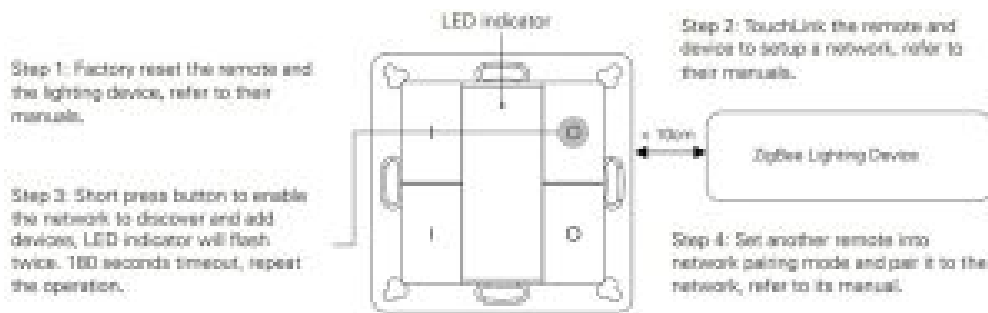Step 1: Start find and bind mode on the Zigbee lighting device (initiator node) and enable it to find and bind target, refer to its manual.

LED indicator

ZigBee Lighting Device

Step 2: Short press ON button of group 1/2 to choose a group that you would like to bind the devices to.

Step 3: Press and hold down both until LED indicator turns on.

Step 4: Short press to enable the remote (target node) to find and bind initiator. LED indicator flashes 4 times for successful binding or twice if binding fails.

Note: Each remote can bind max. 30 lighting devices.

10. Find and Unbind a Zigbee Lighting Device

Step 1: Start find and bind mode on the Zigbee lighting device (initiator node) and enable it to find and bind target, refer to its manual.

LED indicator

ZigBee Lighting Device

Step 2: Short press ON button of group 1/2 to choose the group that the device already bound to.

Step 3: Press and hold down both until LED indicator turns on.

Step 4: Short press twice to enable the remote (target node) to find and unbind initiator. LED indicator flashes 4 times for successful unbinding or twice if unbinding fails.

11. Clear All Find and Bind Mode Paired Lighting Devices

LED indicator

Step 1: Short press ON button of group 1/2 to choose the group that the device already bound to.

Step 3: Short press 5 times continuously to clear all bound lighting devices. LED indicator flashes 4 times for successful unbinding.

Step 2: Press and hold down both until LED indicator turns on.

12. Setup a Network & Add Devices to the Network (No Coordinator or Hub Required)

LED indicator

Step 1: Factory reset the remote and the lighting device, refer to their manuals.

Step 2: TouchLink the remote and device to setup a network, refer to their manuals.

ZigBee Lighting Device

Step 3: Short press button to enable the network to discover and add devices, LED indicator will flash twice. 180 seconds timeout, repeat the operation.

Step 4: Set another remote into network pairing mode and pair it to the network, refer to its manual.

Step 5: Add more remotes to the network as you would like.

Step 6: Factory reset the lighting devices that you would like to add to the network, refer to their manuals.

Step 7: Touchlink to pair the added remotes and lighting devices you would like to add, the devices will be added to the network through Touchlink, refer to their manuals.

13. OTA

The remote supports firmware updating through OTA, and will acquire new firmware from zigbee controller or hub every 10 minutes automatically.

14. How to Check Whether the Remote Belongs to a Network or not Short press any button, indicator blinking means the remote has already been added to a network. No blinking of indicator means the remote does not belong to any network.

15. Battery Power Monitor Function

The remote will report battery power value to the coordinator under following situations:

- When powered on.
- When short pressing both **I** and **O** buttons of group 2 simultaneously.
- When operating the switch to send data packets (over 4 hours since last operation).
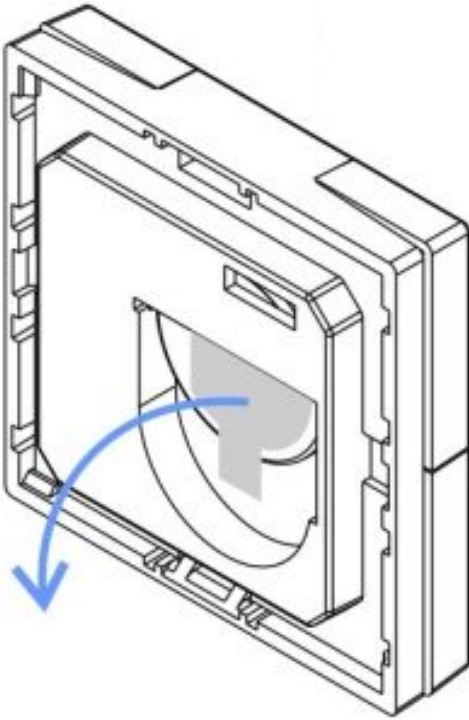- When added to the network by a coordinator.

Installation
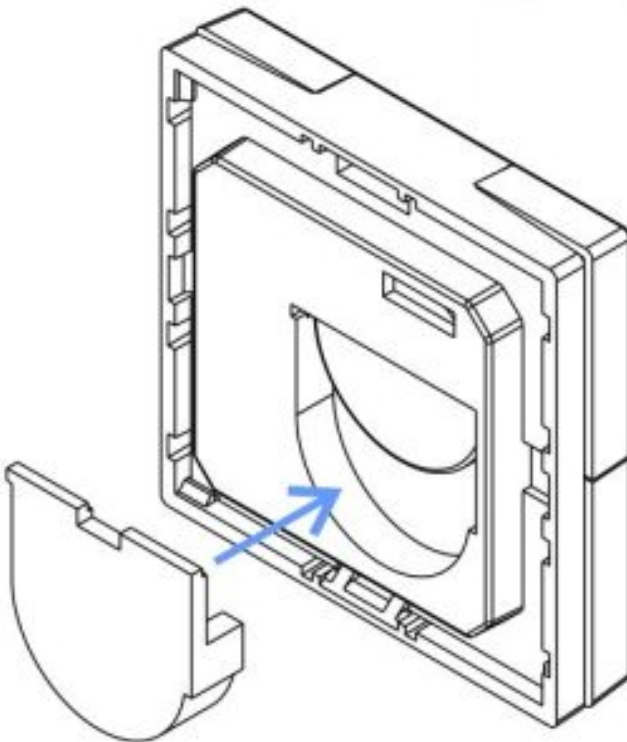
Remove battery insulator

1. Use tool to open the silicone gel battery cover
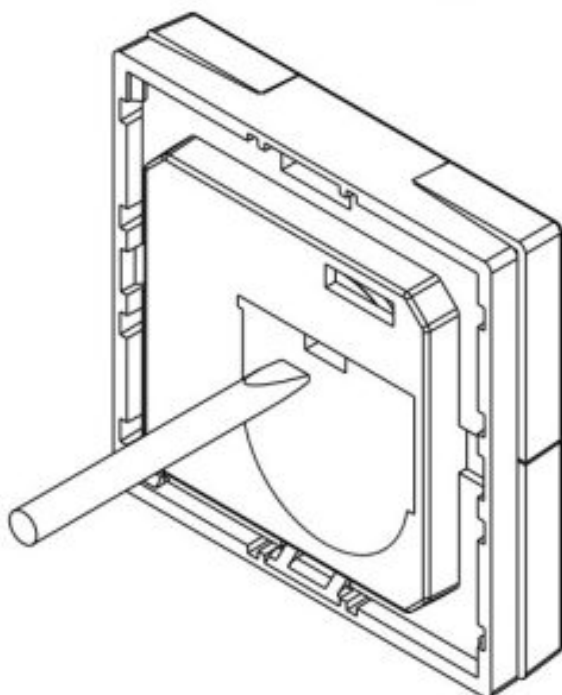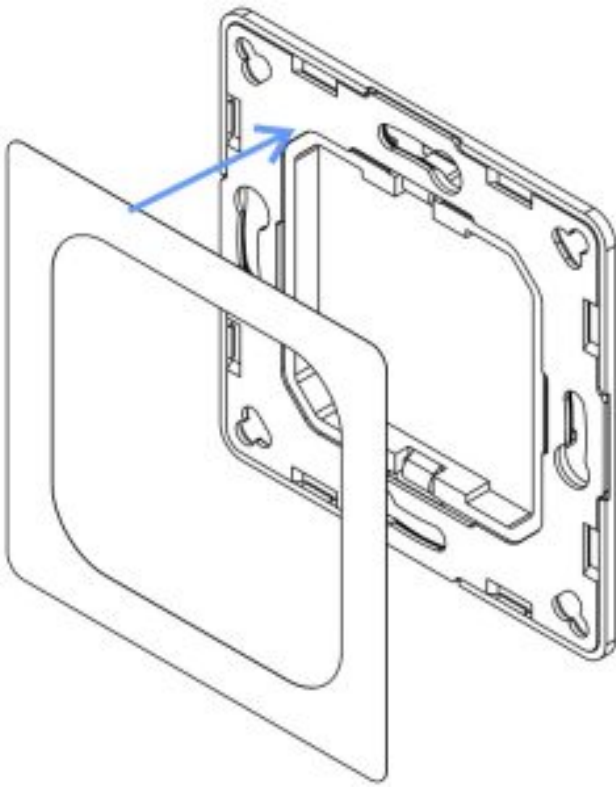
2. Pull out the battery insulator

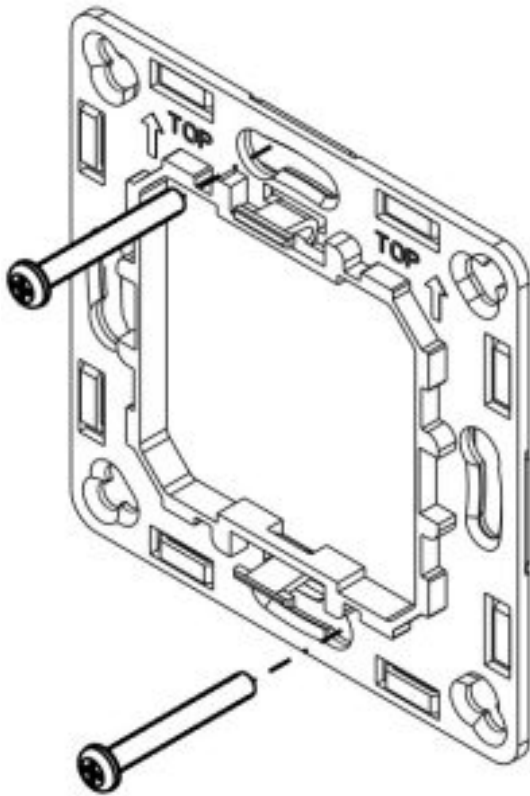
3. Install the silicone battery cover back

Install the controller to wall(2 methods)

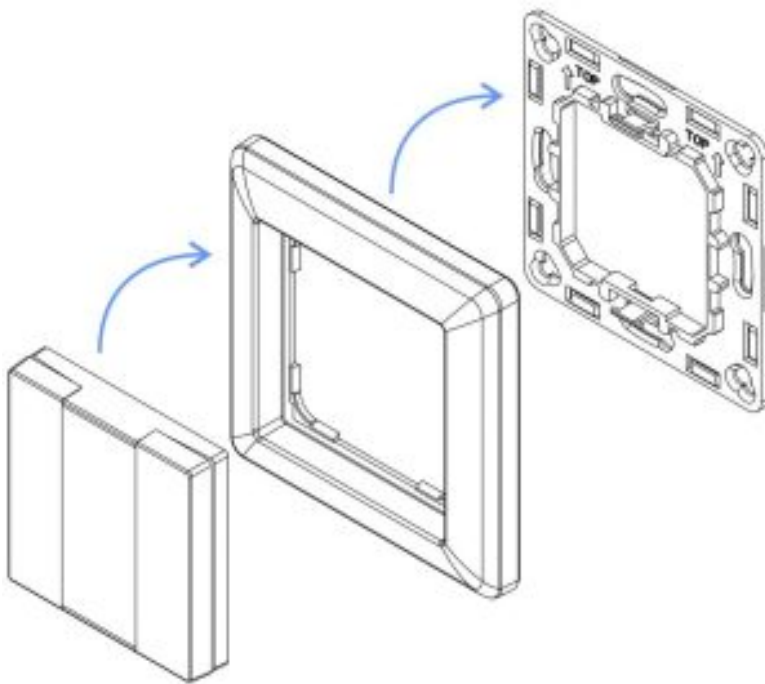- **Method 1:**Stick 3M glue on the back of the bracket and then stick the bracket to the wall.

- **Method 2:**Screw the bracket to the wall

- After the bracket is fixed,clip the frame and control part to the bracket in sequence
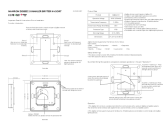
Mounting

The key part of this controller is an universal one, especially rotary standard switch element that can be integrated in numerous frames by different manufactures as below list:

- **BEKER:** S1, B1, B3, B7 glass
- **GIRA:** Standard55, E2, Event, Esprit
- **JUNG:** A500, Aplus
- **MERTEN:** M-smart, M-Arc, M-Plan

Documents / Resources

	Zigbee NAMRON ZIGBEE 2 KANALER BRYTER K4 SORT [pdf] Instruction Manual Zigbee, NAMRON, ZIGBEE, 2 KANALER BRYTER, K4, SORT