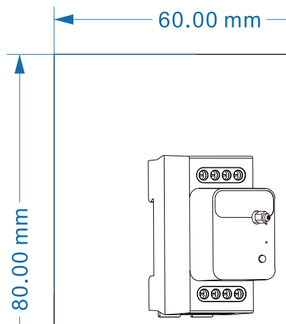
技术要求

1. 物料号：
2. 产品名称：ERC2105-Z 干接点控制器
3. 材质：125克铜版纸
4. 尺寸：60*80mm



User Guide

Wi-Fi Dry Contact Controller

Introduction

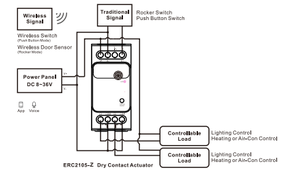
Rail Controller supports ZigBee and RF, which can be controlled by Kinetic switch App and wireless kinetic switch. It reserves the input terminals for traditional switches, and can control the light by the original traditional switches. It is mounted in the rail of distribution box. It supports one channel. Through the smart speaker, it can achieve ON/OFF by voice control. (Smart speakers like Google Assistant, Amazon Alexa).

Product Parameters

Product Model: ERC2105-Z
Power Supply: DC 8-36V
Input: 1 input for existing wired switch
Max Load: 16A(1 way) with DPST
Operating Range: 80m(outdoor) 25m(indoor)
Operating Temperature: -20℃~+55℃
Storage Capacity: Up to 10 kinetic transmitters
Dimensions: L36*W77*H67mm
Standby Power Consumption: ≤1W
RF Receive Sensitivity: -110dBm
IP Rating: IP20

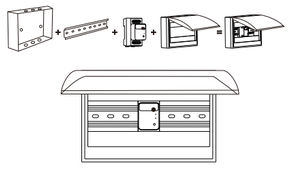
Notice:The effective distance is measured by laboratory. In the actual use, it will vary due to environment changes.

Connection Method



V+: Positive Voltage Terminal
V-: Negative Voltage Terminal
S1: Input terminal for the wired Switch 1
C1/C2: Output terminal connect to controllable Load
Com: Common Terminal

Installation



Kinetic Switch APP Download

The free Kinetic Switch App is required to operate your ZigBee controller. Ensure your iOS / Android device is connected to the internet using a Wi-Fi network.
Method 1:
1. Open the App store/Google Play on your phone.
2. Search for "Kinetic Switch" in the App store or Google Play.
3. Download the Kinetic Switch App to your phone.

iOS APP App Store　ANDROID APP Google play

Method 2:
Or you can download the app using the QR code below:

Device Pairing with the APP:

The initial setup must be performed using your 2.4Ghz Wi-Fi network (5Ghz Wi-Fi is not supported). Both the phone and the controller must connect to your network.
1. After downloading the APP follow the prompts to register the account.
2. After log in the APP, add the ZigBee gateway to the APP account, please check the instructions of the ZigBee gateway or add it according to the APP guidelines.
3. Turn on power to the controller and the red indicator light enters in fast flashing mode. If the light flashes differently or if you want to reset the controller press the pairing button for 10 seconds - the light will change from slow flashing to fast flashing to still, then release the button.
4. Enter the ZigBee gateway interface in the APP, click on "Add Quickly" at the button to automatically add the nearby controller to the APP.

Note: After the device is successfully added, the added device will be displayed on the APP home page, and you can enter the device interface to perform device-related operations, such as switching control, pairing, clearing pairing and scene settings.

Using Amazon Alexa/Google Home to control your Controller

Note: We would recommend naming the devices in your Kinetic Switch App something that is easy for Alexa or Google Home to understand. In order to integrate the Kinetic Switch app with Amazon Alexa/Google Home you need:

1) Amazon Alexa APP / Google Home APP
2) Amazon Alexa / Google Home account (users need to register their own account)
3) Echo, Echo Dot, Tap or other Amazon voice-operated devices.
4) Google Home, Google Home Mini or other Google voice-operated devices.

Enable Smart Life skill/action in your Alexa / Google Home APP

Search for "Smart Life" skill and add it to the Alexa APP "Smart Home" skills. For Google Home search for "Smart Life" action and add it to Home Control. Enable the skill/action in your Alexa /Google APP and input the name and password used to register the Kinetic switch APP to link it with Alexa/Google APP.Voice control can be used now to control the Wifi device such as: "Alexa/Ok Google, turn on/off [kitchen light]"

Wi-Fi Controller Switch Pairing Method

a controller can be operated by a maximum of 10 separate switches,

a switch can pair an unlimited number of controllers.

App Method

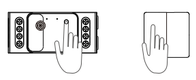
Enter the App page, click "Pairing" -> "Start Pairing". After the App page displays "waiting for pairing", press the corresponding button of the wireless switch that needs to be paired. This will complete the pairing. The App will prompt "Pairing succeeded" after the pairing is completed.

Traditional Hardwired Switch Method

After the receiver is powered on (within 2 minutes), press the hardwired switch for 5 times (within 2 seconds). The light will start flashing, indicating pairing mode. At this time, press the wireless kinetic switch once and the light will stop flashing. The pairing is now completed. If the receiver is powered on for more than 2 minutes it cannot enter the pairing mode through traditional switch.

Physical Wireless Switch Method

1. Press the function button for 3 seconds and the indicator light begins to flash slowly. Release the button to enter the single pairing state.
2. Press the wireless kinetic energy switch and the indicator light of the controller will go out, which means that the pairing is successful.



1.Press around 3 seconds, and the indicator light flashes slowly　2.Press the kinetic switch once

(2) Directional Paring

App Method

Enter the App page, click "Pairing" -> "Start Pairing". After the App page displays "waiting for pairing", press the corresponding button of the wireless switch that needs to be paired 4 times(within 1 seconds). This will complete the pairing. The App will prompt "Pairing succeeded" after the pairing is completed.

Traditional Hardwired Switch Method

After the receiver is powered on (within 2 minutes), press the hardwired switch for 5 times (within 2 seconds). The light will start flashing, indicating pairing mode. At this time, press the wireless kinetic switch 4 times (within 1 seconds) and the light will stop flashing. The pairing is now completed. If the receiver is powered on for more than 2 minutes it cannot enter the pairing mode through traditional switch.

Physical Wireless Switch Method

1. Press the function button for 3 seconds and the indicator light begins to flash slowly. Release the button to enter the single pairing state.
2. Press the wireless kinetic energy switch 4 times (within 1 seconds) and the indicator light of the controller will go out, which means that the pairing is successful.

1.Press around 3 seconds, and the indicator light flashes slowly　2.Press the kinetic switch 4 times

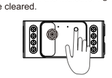
If you need to add more switches to the same controller please repeat the above process; each controller can store up to 10 switches ,pairing in formation,

Single, dual and triple gang switches follow the same method.

Clear Pairing Information

App Method
Enter the App page, click "Pairing" -> "Clear Pairing", and select the corresponding channel. After the clearing is completed, App will prompt "Clearing Successful".

Physical button Method
To remove the controller stored pairing information press function button for 12 seconds until the indicator light goes out - the pairing information will be cleared.



Press the button for 12 seconds and the light will flash fast, then still and then it goes out.

Bridge mode

Turn on the bridge mode to expand the control distance: Press and hold function button for 7 seconds and indicator will fast flash and release the button, after couple of seconds, the indicator will flash 1 time every 2 seconds, which means the bridge mode is activated. If you need to deactivate this mode, do the above steps again.

Remove pairing

APP Method
Enter the device interface in the APP and click ✎ on the right corner ,select "Remove device" and then "Disconnect and wipe data", device will be removed.

Physical button Method
Hold the function button of controller for about 10 seconds. The indicator light will go off with the procedure: flash-still on. Release finger to get controller remove. Now the indicator enters to fast flash state.

Precautions

1. The wiring must be done in accordance with the method of installation illustrated.
2. Please note the maximum load of an individual controller.
3. Do not short-circuit, it will cause permanent damage to the receiver controller.
4. The controller will remain "OFF" after a power cut, saving energy, reducing fire risk and protecting your appliances.
5. Damage caused by incorrect installation and operation are not covered under warranty.

Troubleshooting

1. If pairing does not work first check if the indicator is lit. Re-pair in case the pair is lost after power failure.
2. If the receiver does not respond check the LED indicator. If this does not light check the power supply.

CERTIFICATE INSPECTED