



# DieseRC DC 12V Relay Remote Control Switch User Manual

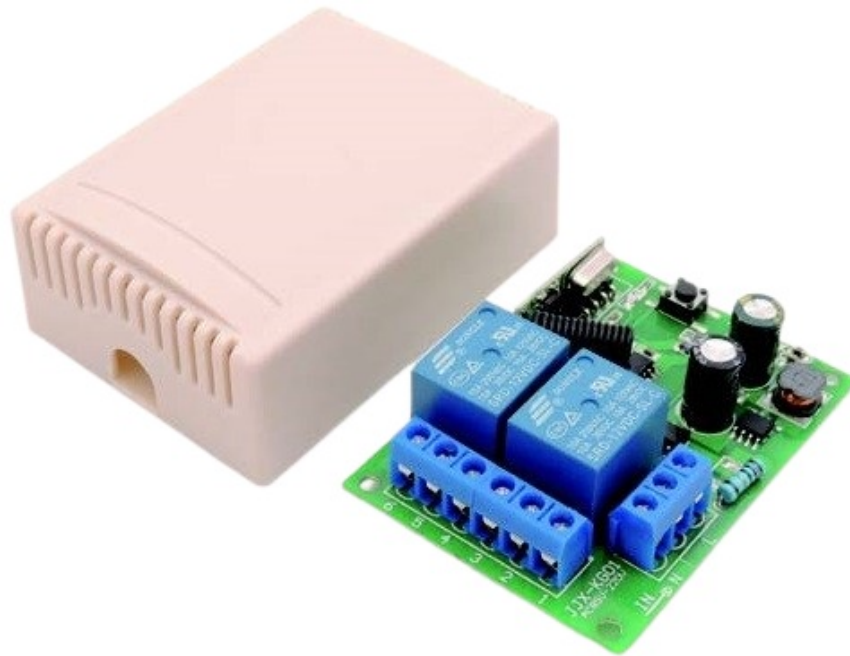
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**DieseRC DC 12V Relay Remote Control Switch**



## Product Information

### Product Detail

- **TYPE:** 2202
- **Working voltage:** AC 85V~250V
- **Input/output voltage:** 1~250V
- **Output Type:** Passive output
- **Quiescent Current:** 97dbm
- **Max current:** Not specified
- **RF frequency:** Not specified
- **Working temperature:** Not specified
- **Receiving Sensitivity:** Not specified

### Technical Data

- **Amount of storage remote controls:** 20 pieces
- **Support encoding:** 1527 Learning code, 2262 fixed code
- **RF Operating mode:** ASK superheterodyne wireless reception
- **Receiving range:** Open space is more than 50 meters
- **NO (Normally open pin):** 1
- **COM (Common pin):** 2
- **NC (Normally closed pin):** Not specified

### Warning

1. Usually, the receiver and transmitter have been paired with each other in the factory. If not, you can reprogram by yourself.
2. Reset before you want to change the operating mode.

3. After resetting, all the remote controls cannot work anymore.
4. Replace the battery in time when the remote transmitter voltage is low to get stronger signal transmission.
5. Slightly stretch the antenna on the receiver for better signal reception.
6. The remote transmitter needs to have 3 or more buttons if you want to set up in latched mode.
7. The output type is passive output / potential-free contacts.

## **Operating Mode**

### **Momentary Mode:**

1. Press and hold button A, and relay 1 will turn on.
2. Release button A and relay 1 will turn off.

### **How to program:**

1. Press the learning button on the receiver 1 time. The indicator LED on the receiver will light down.
2. Press button A on the remote transmitter. The indicator LED on the receiver will flash several times and then light down.
3. Press button B on the remote transmitter. The indicator LED on the receiver will flash several times and then light up. Succeed.

### **Toggle Mode:**

1. Press button A and relay 1 will turn on.
2. Press button A again, and relay 1 will turn off.

### **How to program:**

1. Press the learning button on the receiver 2 times. The indicator LED on the receiver will light down.
2. Press button A on the remote transmitter. The indicator LED on the receiver will flash several times and then light down.
3. Press button B on the remote transmitter. The indicator LED on the receiver will flash several times and then light up. Succeed.

### **Latched Mode:**

1. Press button A, and relay 1 will turn on.
2. Press button B, and relay 2 will turn on, at the same time relay 1 will turn off.

### **How to program:**

1. Press the learning button on the receiver 3 times. The indicator LED on the receiver will light down.
2. Press button A on the remote transmitter. The indicator LED on the receiver will flash several times and then light down.

3. Press button B on the remote transmitter. The indicator LED on the receiver will flash several times and then light up. Succeed.

### **Reset**

Press the learning button on the receiver 8 times. The indicator LED on the receiver will flash several times and then light up. Succeed.

### **Troubleshooting**

1. Please check if the battery's power is used up. The indicator LED on the remote transmitter does not light up or is dimly lit.
2. Please check if your receiver is wired correctly. It is important to make sure the wiring is correct.
3. Reprogram the receiver and transmitter. Usually, this can solve a lot of problems.
4. If the problem remains, please contact us in time. We will do our best to solve your issue.

### **FAQ**

- **Q: How many remote controls can be stored in the product?**

A: The product can store up to 20 remote controls.

- **Q: What types of encoding does the product support?**

A: The product supports 1527 Learning code and 2262 fixed code encoding.

- **Q: What is the maximum range for receiving signals?**

A: The product can receive signals in open space up to 50 meters.

- **Q: What are the different operating modes?**

A: The product has three operating modes: Momentary Mode, Toggle Mode, and Latched Mode.

- **Q: How do I reprogram the receiver and transmitter?**

A: Press the learning button on the receiver and follow the specific programming instructions for each operating mode.

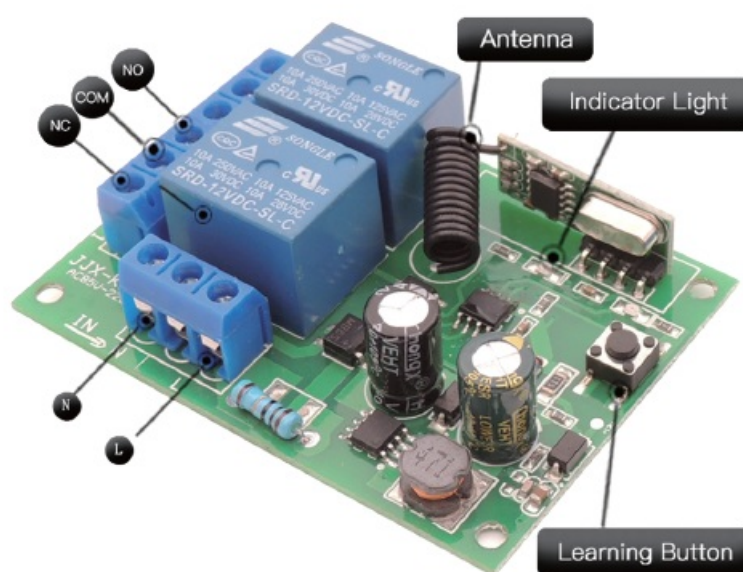
If there are any questions about the products, please contact us first. We will do our best to solve your problem. Thank you.

### **PRODUCT INFORMATION**

**TYPE—2202**

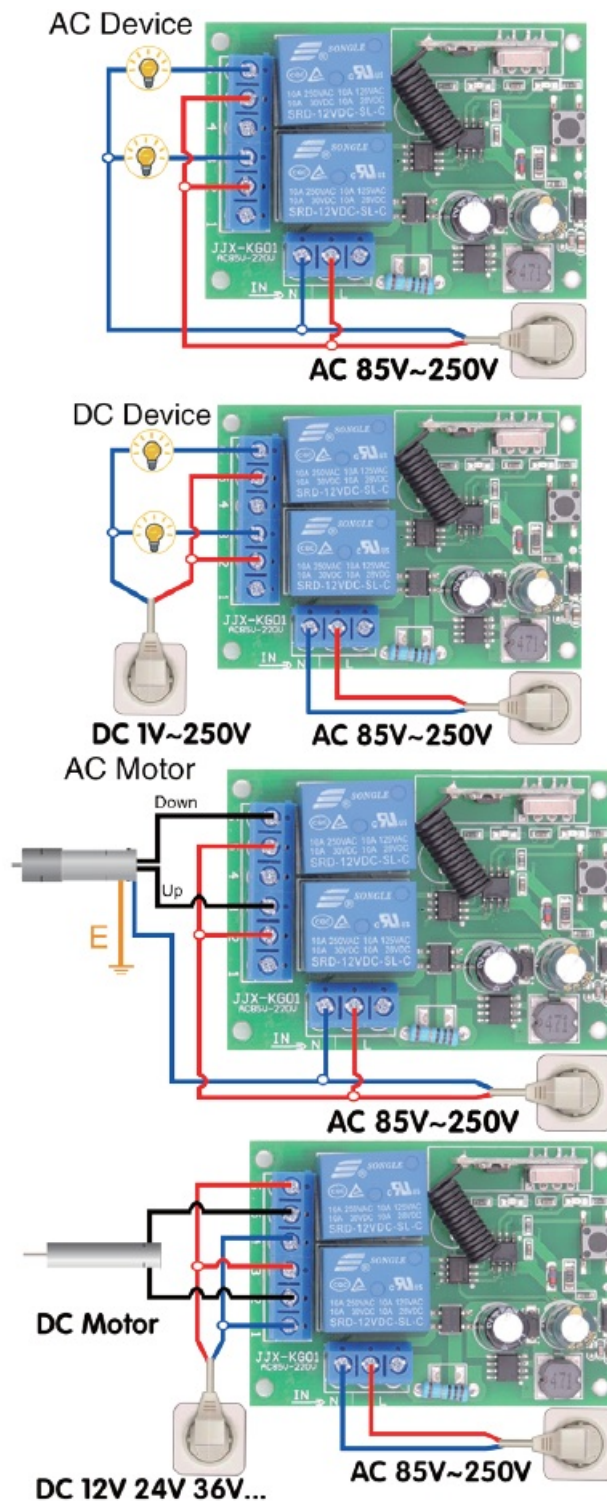
Technical Data	
Working voltage	AC 85V~250V
Input/output voltage	1~250V
Output Type	Passive output
Quiescent Current	<5MA
Max current	10A
RF frequency	433MHz
Working temperature	-30~+80
Receiving Sensitivity	>97dbm
Amount of storage remote controls	20 pieces
Support encoding	1527 Leaning code 2262 fixed code
RF Operating mode	ASK superheterodyne wireless reception
Receiving range	Open space is more than 50 meters
Remote operating mode	Momentary Mode /Toggle Mode /Latched Mode

## PRODUCT DETAIL



- **NO:** Normally open pin
- **COM:** Common pin
- **NC:** Normally closed pin

## WIRING DIAGRAM



## Warning

1. Usually, the receiver and transmitter have been paired with each other in the factory. If not, you can reprogram by yourself.
2. Reset before you want to change the operating mode.
3. After resetting, all the remote controls cannot work anymore.
4. Replace the battery in time when the remote transmitter voltage is low. To get a stronger signal transmission.
5. Slightly stretch the antenna on the receiver for better signal reception.
6. The remote transmitter needs to have 3 or more buttons, if you want to set it up in latched mode.
7. The output type is passive output/potential-free contacts.

## **Operating Mode**

### **Momentary Mode:**

1. Press and hold on button "A", relay "1" will turn on;
2. Release the button "A", this relay "1" will turn off.

### **How to program**

1. Press the learning button (on the receiver) 1 time. The indicator LED on the receiver will light down;
2. Press button "A" on the remote transmitter. The indicator LED on the receiver will flash several times and then light down;
3. Press button "B" on the remote transmitter. The indicator LED on the receiver will flash several times and then light up. Succeed.

### **Toggle Mode:**

1. Press button "A", relay "1" will turn on;
2. Press button "A" again, and this relay "1" will turn off.

### **How to program**

1. Press the learning button (on the receiver) 2 times. The indicator LED on the receiver will light down;
2. Press button "A" on the remote transmitter. The indicator LED on the receiver will flash several times and then light down;
3. Press button "B" on the remote transmitter. The indicator LED on the receiver will flash several times and then light up. Succeed.

### **Latched mode:**

1. Press button "A", relay "1" will turn on;
2. Press button "B", and relay "2" will turn on, and at the same time relay "1" will turn off.

### **How to program**

1. Press the learning button (on the receiver) 3 times. The indicator LED on the receiver will light down;
2. Press button "A" on the remote transmitter. The indicator LED on the receiver will flash several times and then light down;
3. Press button "B" on the remote transmitter. The indicator LED on the receiver will flash several times and then light up. Succeed.

### **Reset**

Press the learning button (on the receiver) 8 times. The indicator LED on the receiver will flash several times and then light up. Succeed.

## Troubleshooting

If the receiver and transmitter cannot operate normally, try to solve the problem by follow the steps below.


1. Please check if the battery's power is used up. The indicator LED on the remote transmitter does not light up or is dimly lit.
2. Please check if your receiver is wired correctly. It is important to make sure the wiring is correct.
3. Reprogram the receiver and transmitter. Usually, this can solve a lot of problems.
4. If the problem remains, please contact us in time. We will do our best to solve your problem. Email: "[dieseelectronic@163.com](mailto:dieseelectronic@163.com)" or WhatsApp: +86 13502278583.

## Contact Information

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## Documents / Resources

	<a href="#">DieseRC DC 12V Relay Remote Control Switch</a> [pdf] User Manual DC 12V Relay Remote Control Switch, DC 12V, Relay Remote Control Switch, Remote Control Switch, Control Switch, Switch
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## References

- [User Manual](#)