

RF Wireless Remote Control DC Motor Receiver (Model 0020609)

This is the DC motor controller. The DC motor controller can remote control one DC motor (DC12V/24V) rotates in positive/ reversal direction. You can connect two restrictive switches to receiver and use them to stop motor rotation.

Receiver Features:

Wireless control, easy to install

With high power of 15A

Control DC motors of rolling blinds / doors, projection screens, awnings, pumps, winches, conveyors or other appliances and mechanicals with voltage DC12V / 24V.

You can rotate the motor in positive or reversal direction with the transmitter (remote control) from any place within a reliable distance; the wireless signal can pass through walls, floors and doors.

Reliable control: The transmitter (Encoding) and the receiver (Decoding) use an 8-bit code.

One/several transmitters can control one/several receivers simultaneously.

If you use two or more receivers in the same place, you can set them with different codes.

Transmitting Frequency: 315MHz / 433MHz

Working Distance:

With a transmitter CB-3 to form a complete set, the distance can reach 2000m in an open ground. The distance of 2000m is a theoretical data, it shall be operated in an open ground, no barriers, no any interference. But in the practice, it will be hindered by trees, walls or other constructions, and will be exposed to some interference by other signals. Therefore, the actual distance may or may not reach 2000m.

External Telescopic Antenna:

Length of external telescopic antenna: 108mm / 445mm (stretch)

External telescopic antenna use SMA connector.

If you stretches the external telescopic antenna, it can have a further working range.

Receiver:

Model No: 0020609

Coding Type: Fixed code or learning code

Coding Setting: By learning

Power Supply (Operating Voltage): DC12V±1V (S1PF3-DC12-ANT3), DC24V±1V (S1PF3-DC24-ANT3)

Output: DC12V (S1PF3-DC12-ANT3), DC24V (S1PF3-DC24-ANT3)

Case Size: 100mm x 67mm x 39mm

Quiescent Current: 5mA

Rated Current: 15A

The Maximum Instantaneous Current of Starting Motor: 30A

Usage:

Power supply:

Connect power supply DC12V / 24V to terminal "INPUT"; connect motor to terminal "OUTPUT". You can exchange the output wires of motor to change the rotating direction of motor.

Function of transmitter:

Press button A on remote: terminal "Output" output DC power, motor rotates in positive direction.

Press button C on remote: terminal "Output" output DC power, motor rotates in reversal direction.

Press button B on remote: motor stops.

Function of manual buttons in receiver:

Press button K3 in receiver: terminal "Output" output DC power, motor rotates in positive direction.

Press button K1 in receiver: terminal "Output" output DC power, motor rotates in reversal direction.

Press button K2 in receiver: motor stops.

Restrictive function:

You can connect two restrictive switches to terminals "X1" and "X2", if the restrictive switch X1 or X2 is connected, the motor will rotate; if the restrictive switch X1 or X2 is disconnected, the motor will stop automatically. That means when the restrictive switch "X1" is connected, the motor will rotate in positive direction; when the restrictive switch "X1" is disconnected, motor will stop automatically. When the restrictive switch "X2" is connected, the motor will rotate in reversal direction; when the restrictive switch "X2" is disconnected, motor will stop automatically.

Product Description:

Model No.: 0021025 (CB-3)

Shell Color: Grey

Channel/Button: 3

Button Symbol: A, B, C

Operating Voltage: 9V (1 x 6F22 -9V battery, can be used for 12 months)

Operating Current: 30mA

Operating Frequency: 315Mhz / 433Mhz

Encoding Chip: PT2262 / PT2264 / SC2262

Encoding Type: Fixed code by soldering, up to 6561 codes

Transmitting Distance: 1000m / 3000ft (theoretically)

The distance of 1000m is a theoretical data, it shall be operated in an open ground, nobarriers, no any interference. But in the practice, it will be hindered by trees, walls or other constructions, and will be exposed to some interference by other signals. Therefore, the actual distance may or may not reach 1000m.

If you stretches the telescopic antenna, it can have a further working range, which is twice as much as it used to be.

Modulation Mode: ASK

Operating Temperature: -20 ° C to +70 ° C

Unit Size: 135mm x 42mm x 25mm

Weight: 95g

Uses: garage doors, motorcycles, car alarm products, home security products, wireless remote control products, industrial control products.

Application Circuit

