

USER MANUAL

FOR RCON-2PC/4PC

The RCON-2PC/4PC wireless receiving controller is widely used in the fields of electric door, window and lifter equipment, gate, industrial control and security system for wire system being shift wireless one. It can match with 2/4 channels remote control as a complete subassembly to implement the motor F/R (forward or reverse) rotation or switch on/off shift of equipment controlled.

The wireless receiving controller is featured with high security, larger storage, stable performance, low power consumption and easy operation. No traditional jumpers or dial switch coding is needed for the operation. The controller can directly receive and store the signals from the remote control and can be used together with it. A receiving controller can study 50 remote controls with different passwords. When a remote control matched with the receiving controller is lost, you need only cancel the memory stored on the receiving control, the lost remote control can no longer control the receiving controller. Reset is necessary to be done by the owner before the lost remote control can be used again. Depending on contact pin on the remote control. For RCON-4PC, there are 4 functional modes can be selected for the output: self-locking, single stack, interlock and combination of self-locking & single stack (not suitable for RCON-2PC).

Output Mode

- a. **Signal stack**: both Cn1 & Cn2 not connected
For example: Press and hold the button marked “A” of the remote control, the relative relay A will be contacted, when your finger is loosen, the relay A will be released.
Press and hold the button marked B of the remote control, the relative relay B will be contacted, when loose the button, the relay B will be released.
- b. **Signal interlock** – Connect Cn2 by contact pin provided
For example: Press the button marked A of the remote control, the relative Relay A will be contacted and kept, but the other 3 pcs of relay will all be released. When you press the button marked B, the relative relay B will contact and keeping, but the other 3 pcs of relay will all be released.
- c. **Signal self-locking** – Connect Cn1 by contact pin provided
For example: Press the button marked “A”, the relative relay A will be contacted, press again, the relay A will be released.
- d. **Channel A & B are signal self-locking, channel C & D are signal stack** - both Cn1 & Cn2 connected by contact pin provided **(not suitable for RCON-2PC)**

Learning Method

- Step 1: Press the learning key on the receiving controller, the LED lighting will acknowledge successful entering studying state.
- Step 2: Press any button on the remote controller, the LED on the receiving controller flashing and went out to indicate learning successfully.

Transmitter Erasing

Erasing of all the transmitters is accomplished by pressing and holding the learning key on the receiving controller for about 10 seconds, till the indicator LED went out, will acknowledge that the transmitters are erased successfully.

Specification

Receiving Controller -RCON-4PC

- Operating voltage : DC12V
 - Quiescent current : $\leq 10\text{mA}$
 - Operating frequency : 433MHz
 - Operating temperature : $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$
 - Receiving sensitivity : $\geq -103\text{dBm}$
 - Output signal : switch on/off
 - Loading current : $\leq 1\text{A}$ (Dry contactor)
 - Dimension(LWH): 68mm \times 48mm \times 19mm

Wireless Remote control

- RCF8102B (2 buttons)
- RCF8104B (4 buttons)
- Operating voltage: 9~12 V (12V 23A battery)
- Quiescent current: 0
- Operation current: 10mA
- Operating frequency: 433MHZ
- Transmitting Power: 10mW
- Encode IC: 2260
- Operating Temp.: $-20^{\circ}\text{C} \sim +50^{\circ}\text{C}$

Please set the different address code and then pair with the receiver.



Remarks: When usage, please pull out straight the black soft antenna in the reciver to get stable receiving sensitivity.

Drawing

