

## RF Wireless Receiver (Model 0020761 S1F3-AC220)

### Package Include:

1xReceiver S1F3-AC220  
1xUser Manual

### Features:

Application: This receiver can be used to control the positive or reversal direction of AC motors, such as control of curtains, screens, roller shutters and sunshades. It has a one-to-many multifunction, it must be matched with the transmitter CM-99 which can independently operate several devices, up to 99. There are 5 buttons on the CM-99 operation panel. The user can press button ◀ or ▶ to select the channel/receiver. It has 99 selectable channels/receivers that can separately control positive or reversal direction of AC motors by pressing the button ▲, ▼, and ■. For example, receiver 1 controls NO.1 curtain / motor 1, receiver 2 controls NO.2 curtain / motor 2, etc.; receiver 99 controls NO.99 curtains / motors 99. All receivers are independently controlled, and different operations will not affect each other.

You can rotate a motor in the positive or reversal direction with the transmitter (remote control) from any place within a reliable distance.

The RF wireless signal can pass through walls, floors and doors.

You can turn on/ off the receiver with transmitter (remote control) from any place within a reliable distance.

With reverse power protection and over current protection.

Reliable control: The receiver only works with the transmitter which use same code.

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

You can use two or more units in the same place.

### Receiver Parameters:

Model No.: 0020761 S1F3-AC220

Power Supply (Operating Voltage): AC220~240V (220V/240V)

Output: AC220~240V (220V/240V)

Wire range for the terminals: 22-12 AWG

Working Frequency: 433MHz

Channel: 1 CH, can work with a AC motor

Control Modes: Momentary, Latched

Maximum Working Current: 1500W

PCB size: 67mm x 50mm x 18mm

Case size: 75mm x 54mm x 27mm

It only works with the remote control (CM-99)

**Note: Don't touch the receiver's circuit board after the receiver is electrified.**

### Working Range:

With a transmitter (such as CM-99) to form a complete set, the working distance can reach 50M in an open ground. The maximum working distance 50M 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 interfered by other wireless signals. Therefore, the actual distance may or may not reach 50M.

### Usage (with transmitter (CM-99):

#### Wiring:

1) Connect live wire of AC power supply to terminal "L" of INPUT, connect the neutral wire of AC power supply terminal "N" of INPUT.

2) Connect terminal "COM" to the common line of the AC motor, connect terminals "UP" and "DOWN" to the wire for positive/reversal rotation of AC motor(You can exchange motor's two wire to change the rotating direction of motor).

#### Setting different control mode:

There are three pads on the receiver; you can change the control mode by soldering or not soldering two of them. We have set the receiver as latched control mode before delivery. If you want to use other control modes, do as following operation:

1. Setting control mode Latched: Solder pads 2 & 3.

Press button ▲ on the transmitter: AC motor rotates in positive direction.

Press button ■ on the transmitter: AC motor stops.

Press button ▼ on the transmitter: AC motor rotates in reversal direction.

Press button ■ on the transmitter: AC motor stops.

2. Setting control mode Momentary: Do not solder any pad 1,2,3.

Press and hold button ▲ on the transmitter: AC motor rotates in positive direction.

Release button ▲ on the transmitter: AC motor stops.

Press and hold button ▼ on the transmitter: AC motor rotates in reversal direction.

Release button ▼ on the transmitter: AC motor stops.

#### How to pair the transmitter to the receiver:

1. Press the learning button on the receiver 1~2 seconds, the signal light is off, release the button to enter the learning state;

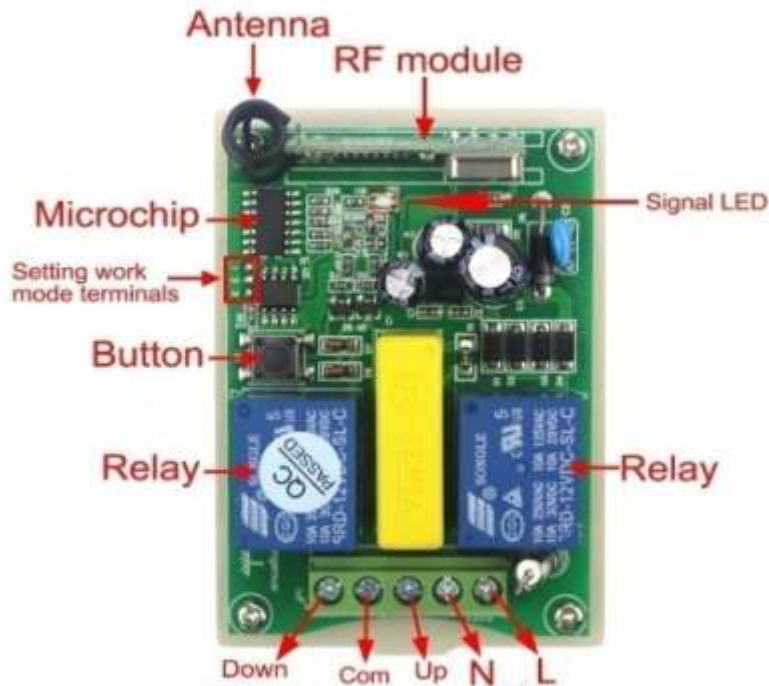
2. Press the button ◀ or ▶ on the transmitter to select the corresponding channel(ex.If you want to select NO.5 channel, press the button to turn the number into 5), the digital screen will display the number of this channel, then press any button ▲ ■ ▼ on the remote control, the signal LED flashes 5 times. That means learning transmitter code have been operated successfully.

3. The receiver can learn several remote controls with different codes.

**Delete all transmitters:**

We have learned remote control to the receiver. If you don't want the receiver to work with the remote control, you can delete all codes of remote controls, which are stored in the receiver.

Operation: Press and hold the learning button of the receiver until signal LED light; release the button. That means all stored codes have been deleted successfully.



**Control AC Motor**

