

RECEIVER INSTRUCTION

Features

- Realize motor corotation, reversal and pause;
- Can be connected to the upper and lower limit switches ;
- Can be connected to indicator light;
- Running time can be set;
- Optional self-closing delay;
- Can rebound when meet with resistance if connected to the sensor;
- 1 or 4 key Control mode is selectable;
- Receiver can be locked or unlocked by remote control.

System Specifications

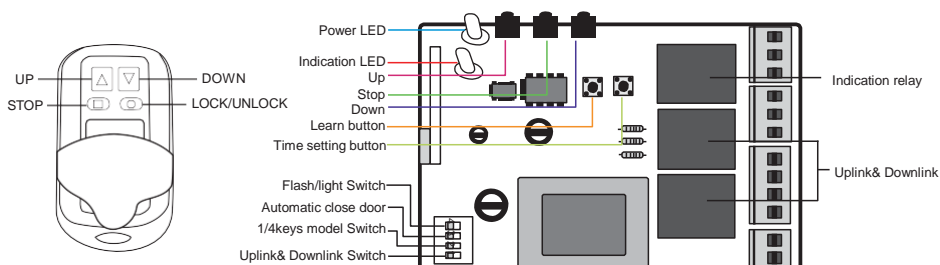
Remote control

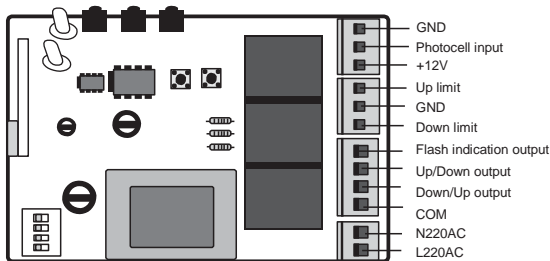
- **Frequency** : 433. 92MHZ
- **Voltage** : 12V
- **Operating mode** : 1KEY/4KEY
- **UP** : control gate running up
- **DOWN**: control gate running down
- **STOP** : control gate to stop
- **LOCK/UNLOCK(D)**: press and hold 3" receiver be locked, press and hold 3" again receiver be activated.

Receiver

- **Working voltage**: 220VAC
- **Working current**: <100mA
- **Frequency**: 433.92Mhz
- **Maximum capacity for remote**: 80pcs
- **Maximum capacity for remote**: 80pcs
- **Maximum self-closing delay time**: 10min
- **Size & Weight**: 123*78*35mm

Internal Structure Description





Main function operating

Before working:

1. Remote control learning

- a). Hold pressing the “LEARN” button until the red LED extinguish, then release the “LEARN” button, then the controller-related information is deleted, restored to factory settings (running time 60S, self-closing delay time 30S).
- b). Press “LEARN” button once, red LED light and then press button of remote control to learn, LED flashes five times indicate learning success. At this learning remote control key is defined as “UP”
- c). Press “LEARN” button twice, red LED light and then press one of remote control keys to learn, LED flashes five times indicate learning success. At this learning remote control key is defined as “DOWN”
- d). Press “LEARN” button three times, red LED light and then press one of remote control keys to learn, LED flashes five times indicate learning success. At this learning remote control key is defined as “STOP”
- e). Press “LEARN” button four times, red LED light and then press one of remote control keys to learn, LED flashes five times indicate learning success. At this learning remote control key is defined as “LOCK”

2. Maximum running time setting

After learning remote control, press “DOWN” key, door moving down until door fully reach down limit switch, and then press the “TIME” button on receiver, the red LED lit, release the “TIME” button, LED remain lighting Always, then press “UP” key, the red LED and indication relay will flash ever 600ms, the controller remains in this state until the door fully reach up limit switch, and then press “DOWN” key, red LED and indication relay stop flash, success to set maximum running time.

3. Self-closing delay time setting

Press “TIME” button, the red LED lit, release the TIME button, LED stays on, then press the “STOP” key, the red LED and indication relay will flash ever 250ms, the system remains in this state until “STOP” key is pressed again, then success to set self-closing delay time.

4. The system mode settings

Select the 4 modes **AC**, **L/R**, **1/4KEY**, **F/L** depend on environment.

AC---enable this mode to start the self-closing delay time. System will perform self-closing action after delay time.

L/R--- this mode is enabled, Uplink and Downlink will be exchanged

1/4KEY---this mode is enabled, only 1 key(“UP” key) to control system.

F/L--- this mode is enabled, lamp with lighting function; not enabled, lamp with flash indication

On Working:

4KEY mode

The uplink and downlink output can be set via L/R mode, uplink and downlink is described below base on L/R mode is not enabled.

Upward movement:

When the door is in the case of non-full opened or upward movement of non-being, you can press “UP” key to execute upward movement, in the upstream process, you can control door to stop and reverse downward movement. Each time updates run action, the maximum running time is reset. If you do not change the running motion, upstream action will stop until the door arrive at up limit switch or the maximum running time over.

At this time if AC is enabled, the system start time for self-closing delay, in timing process if encounter obstacles or received signal from “STOP” key, the time period is cleared, re-timing. Running downstream action when timing is over.

Downward movement:

When the door is in the case of non-fully closed or downward movement of non-being, you can press “DOWN” key to execute downward movement, in the downstream process, you can control door to stop and reverse upward movement. Each time updates run action, the maximum running time is reset. Downstream process, if encounter an obstacle, the system will repeat upward movement after delay 0.5 second.

1KET mode

The uplink and downlink output can be set via L/R mode, uplink and downlink is described below base on L/R mode is not enabled.

Movement process:

Under 1KEY mode, only use 1 key has been learned to control upstream - Stop - downstream - Stop - upward circular motion, other things same with 4KEY mode.

Lighting functions:

The controller provides 220VAC lighting and flashing functions are optional.

To meet different lighting situations.

When F/L mode is enable, lamp with lighting function. The remote control can be in any state through short press "LOCK" key to turn on/off the lamp.

Without any other operations, the lamp automatically turn off after 5 minutes, otherwise restart delay minutes.