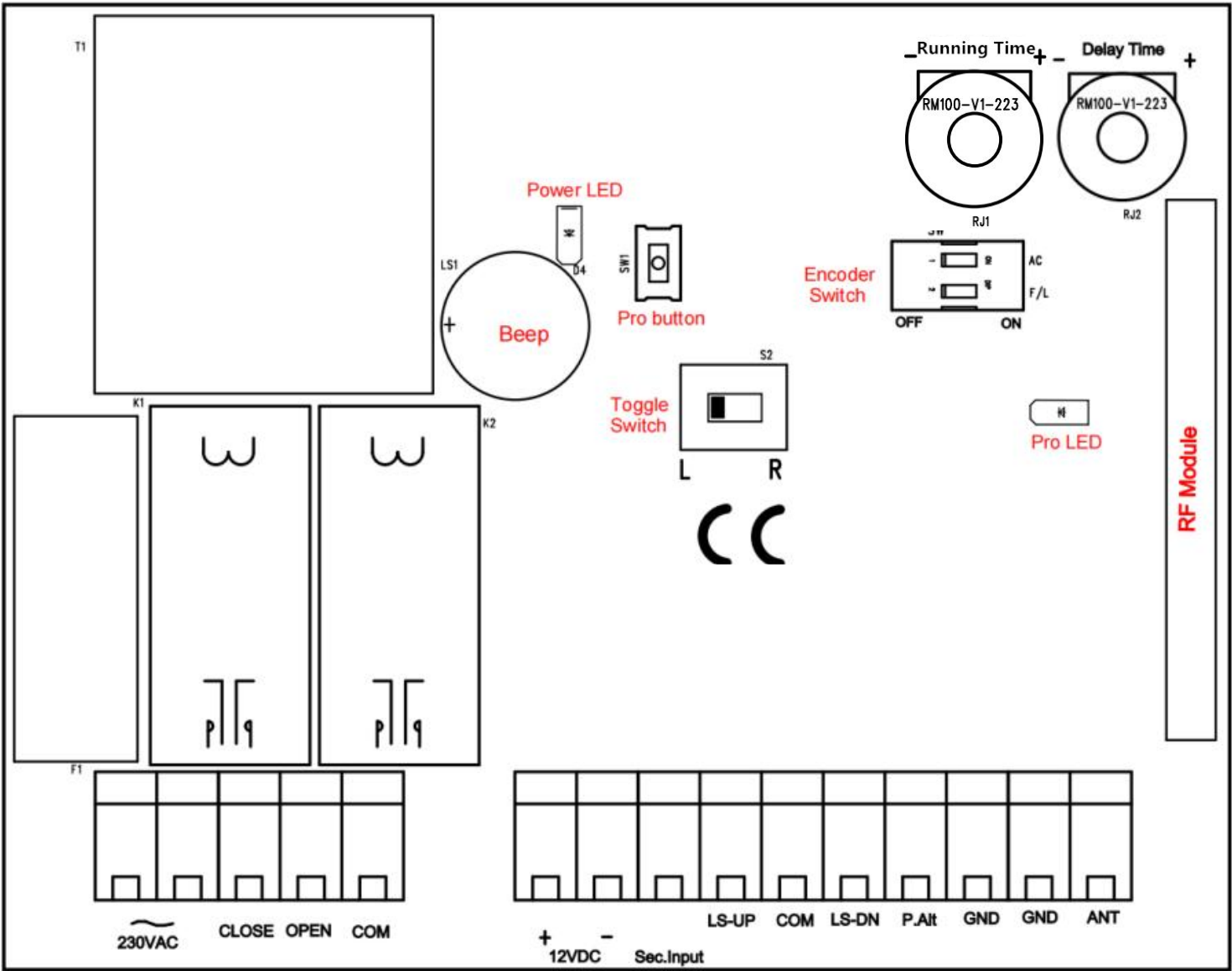


# Rolling shutter controller instruction



◆ Output port description:

|                    |            |                                             |
|--------------------|------------|---------------------------------------------|
| Power supply       | 220VAC     |                                             |
| Motor port         | CLOSE      | Motor DOWN wire                             |
|                    | OPEN       | Motor UP wire                               |
|                    | COM        | Motor common                                |
| Photocell port     | +          | Positive                                    |
|                    | -          | Negative                                    |
|                    | Sec. Input | Photocell signal access                     |
| Limit Switch port  | LS-UP      | Up limit switch                             |
|                    | COM        | Common limit switch                         |
|                    | LS-DN      | Down limit switch                           |
| Manual switch port | P.ALT      | External manual switch access (1-key cycle) |
| Antenna port       | ANT        | Connect antenna                             |
|                    | GND        | Ground                                      |

## ➤ Features:

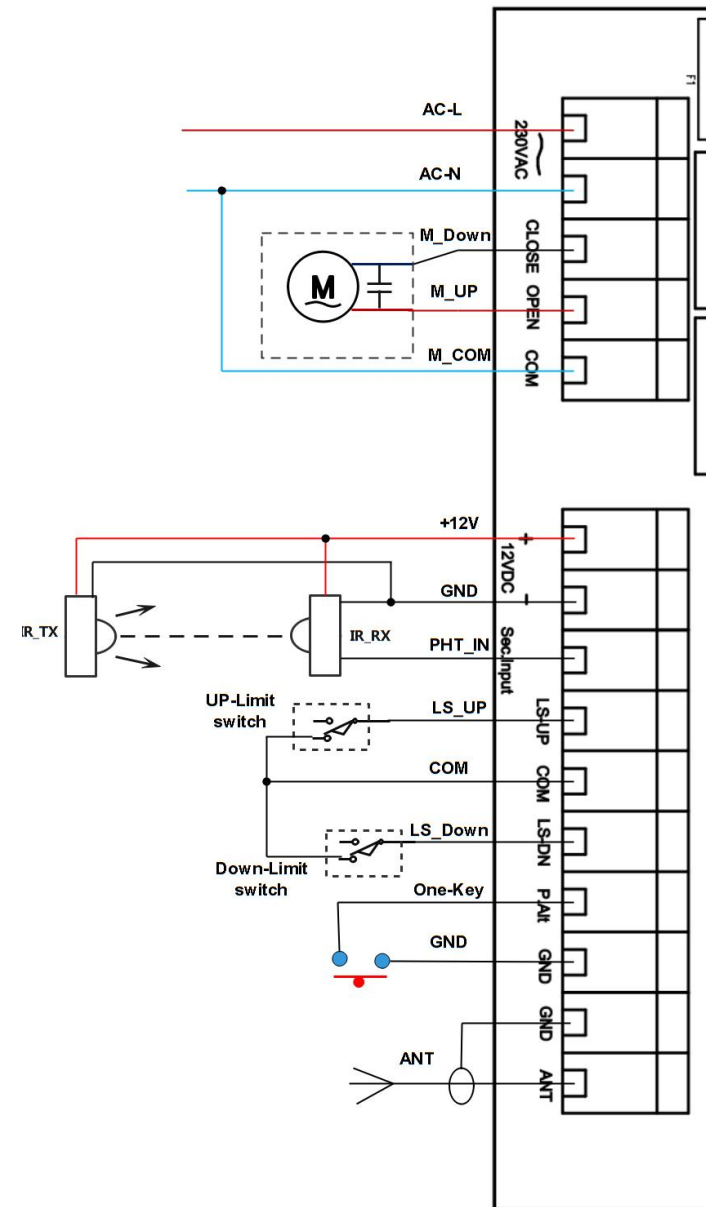
- ❖ Remote control: 1527 fixed code / 301 rolling code
- ❖ Auto close delay time: 5-120S
- ❖ Running time /Journey time:0-120S
- ❖ Hand switch: 1 key cycle with UP-DOWN-STOP
- ❖ Photocell: Auto open door after detected some resistance
- ❖ Momentary to close function: It can be choose by F/L DIP switch

## ➤ Specification

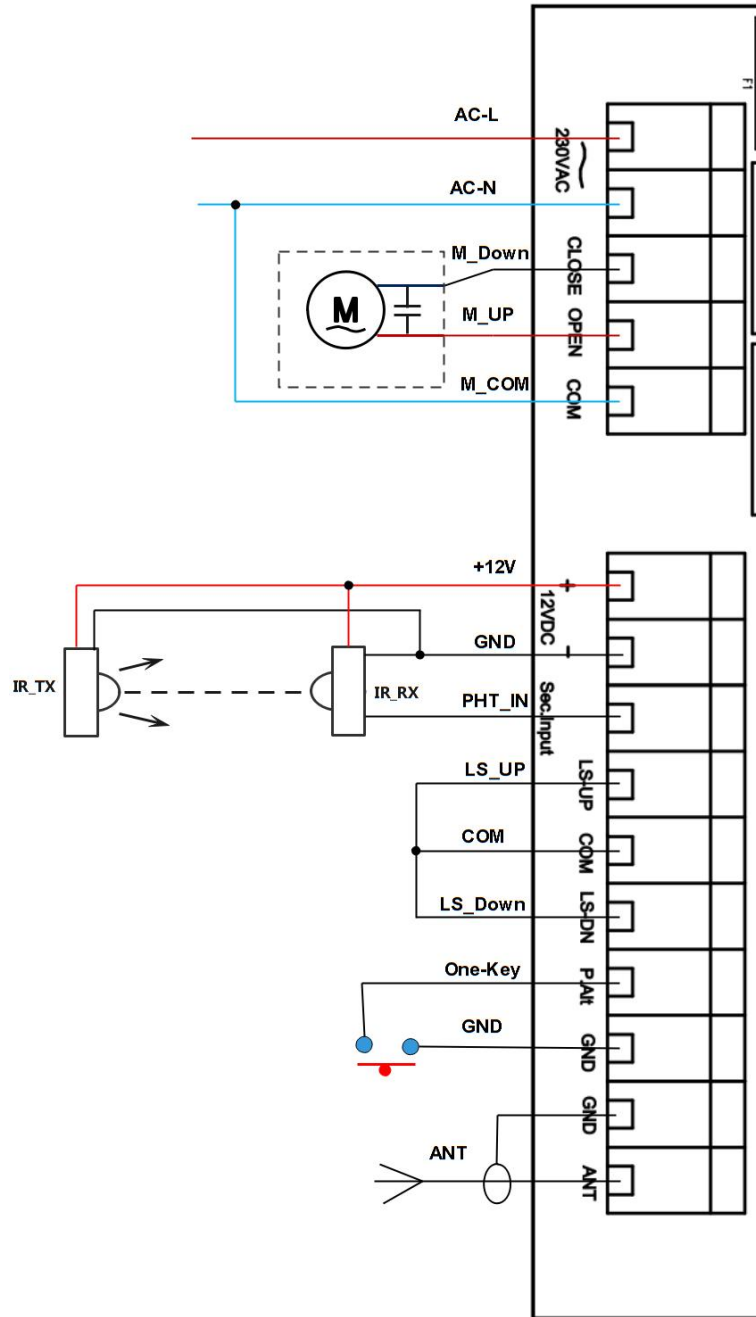
- ❖ Working voltage:220VAC
- ❖ Drive motor type: 220V AC motor
- ❖ Receiving sensitivity:  $\leq -110\text{dBm}$
- ❖ Working frequency: 433.92MHz
- ❖ Contact current:  $\leq \text{NO/NC:16A/12A @250VAC}$
- ❖ Maximum running time: 120S
- ❖ Memory: 30pcs button(1527) / 16pcs button (301)
- ❖ Photocell power: 12VDC ( $I_{\text{max}}=60\text{mA}$ )
- ❖ Working distance in open:  $\geq 80\text{m}$
- ❖ Working temperature:  $-10^{\circ}\text{C} - +60^{\circ}\text{C}$
- ❖ L\*W\*H : 111.9mmx128mmx44mm

## ➤ Wiring diagram:

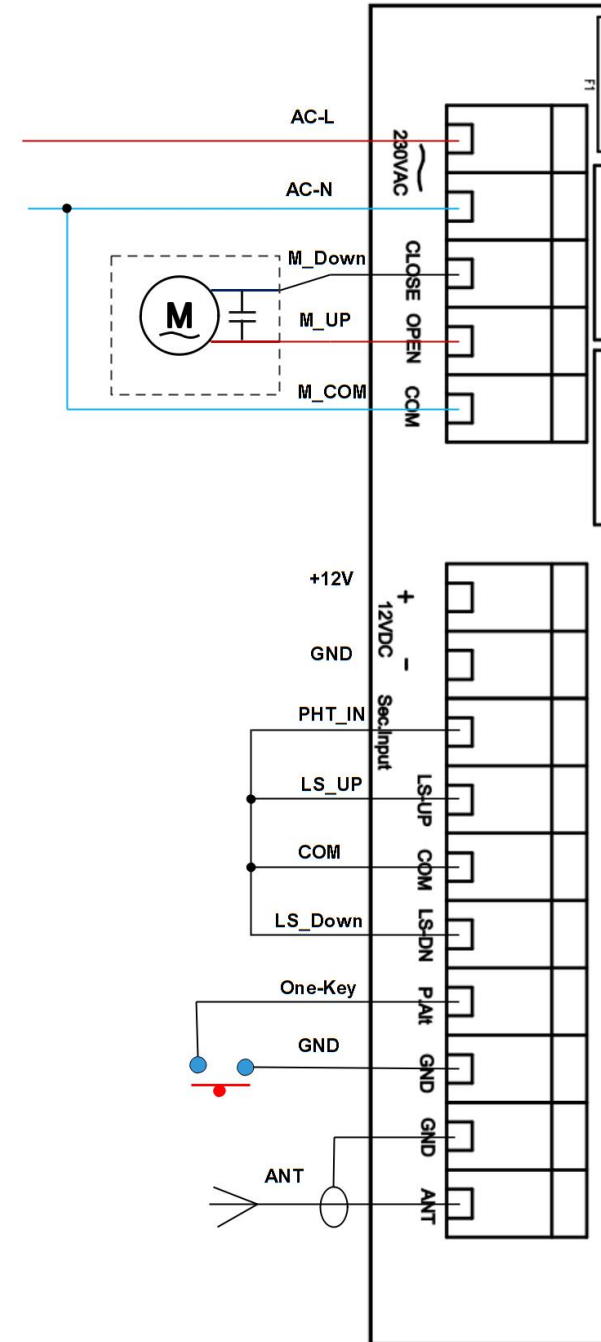
- ◆ If the user's motor **WITHOUT limit switches**, and the external limit switch is required, the wiring is as follows:



- ◆ If the user's motor **with a limit switch**, the wiring is as follows:

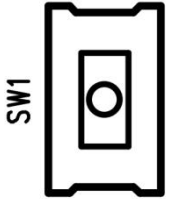


- ◆ **Without** accessing the IR signal and external limit switch, the wiring is as follows

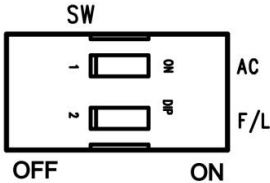


## ➤ Function Description

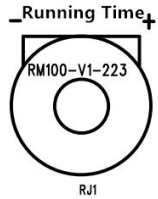
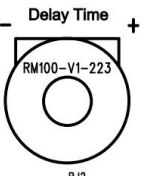
- ◆ Program and delete manual (Program one button for 1 button is useful)

|                                                                                  |                                                                                                                                                                                                                                                                                                                                   |
|----------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p><b>Program/register control:</b><br/>Press the LEARN button on controller about 1s, release after the LED turn on, press any button on the remote control and successful when heard “di-di”. If the remote control has been learned, the buzzer will “di” and the light will flash once to continue in the learning state.</p> |
|                                                                                  | <p><b>Delete control:</b><br/>Press the LEARN button of the controller more than 8s, LED will turn on then turn off, after you hear di-di-di, it means all remote control deleted.</p>                                                                                                                                            |

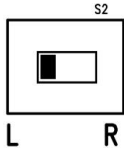
- ◆ DIP switch function description:

|                                                                                  |                                                                                                                                                                                                                                                                                                                        |
|----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>AC: Delay Dip switch OFF is to close the delayed closing function, ON is open the delayed opening function.</p>                                                                                                                                                                                                     |
|                                                                                  | <p>F/L: It is door closing point control, dial to OFF to close the door momentary function; dial to ON to open the door momentary function (Note: when the motor door opening running time exceeds the motor setting running time, the motor will stop, but will not execute the automatic door closing function).</p> |

- ◆ Hand switch function description:

|                                                                                     |                                                                                                                                                                      |
|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|  | <p>Running time setting: adjustment range 0-120S, clockwise rotation is to increase the running time, counterclockwise rotation is to reduce the running time.</p>   |
|  | <p>Delay close time setting: adjustment range: 5-120s, clockwise rotation to increase the delayed closing time, counterclockwise rotation to reduce closing time</p> |

- ◆ Motor direction switching

|                                                                                     |                                                                                                                 |
|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------|
|  | <p>L: Factory default: motor running direction same direction as the motor silkscreen port on the board</p>     |
|                                                                                     | <p>R: Motor switching direction, motor running direction opposite to the motor silkscreen port on the board</p> |