

I. Specification

- Working voltage: 220VAC、110VAC,50HZ/60HZ
- Loading capacity: 2HP, 240VAC
- Working frequency: 433.92MHz
- Built-in fuse: electrocircuit (0.5A), motor (10A)
- Temperature range: -20℃ to 60℃.
- Code:Rolling code/Fixed code
- with external button and photocell protection
- Size: 113x74x44MM
- Weight: 340g

II. Safety instruction

- For security, please read the instructions carefully before initial operation; making sure that the power is off before connection.
- The received signal may be interfered by other communication devices. (e.g. the wireless control system with the same frequency range)
- It is forbidden to control the high-risk coefficient equipment / system.
- It should be applied in dry indoor place or in the electric appliance place.

IV. Set up

- Learning / memorizing transmitters:** Press the learning button on the panel,LED turns into red and gets into learning state;press the same button twice on the same transmitter,LED blinks for a while and turns into green shows transmitter has been learned successfully.
- Erasing Transmitter:** Continue pressing the learning button (about 8s) until LED turns green then release the learning button, LED turns red (about 1s) then turns green. It indicates that the erasing process is successful

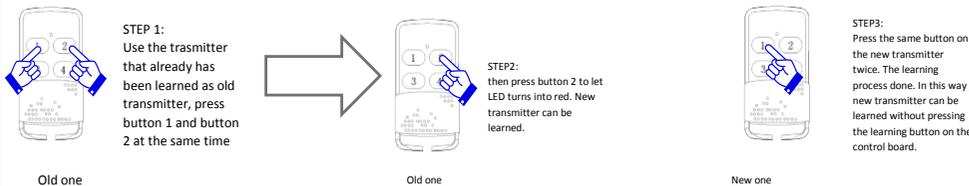
V: Operational process

- 5.1 Three button control system with transmitter and non-Latch model**
 Button 1,2,3 in transmitter is in correspondence with open, close and stop.
5.2 Three button control with transmitter and latch model
 Motor works clockwise when keep pressing button 1;Motor works anticlockwise when keep pressing button 2;Motor stops when releasing button
- 5.3 Single button control system and non-Latch model**
 Press-Open(motor works clockwise), press-stop, press-close(motor works anti clockwise),press-stop,and so on in a loop.
 Single-button control is only effective to the learned button; if a new button of transmitter learned into the control panel, the formal one is useless. (e.g.: if learned button ① at first, and then button ② or ③, the former button ① becomes invalid).
- 5.4 Single button control and latch model**
 Motor works clockwise/anticlockwise when keep pressing the button; motor stops when releasing.
- 5.5 Infrared sensor protection**
 It works both when door closing and opening. Motor stops when photocell signal disconnecting during door closing.
- (External photocell PHOTO port connects photocell normally close switch,share the same port with external stop button, refers to the connection picture)

- NOTE:**
- Single-button control refers to single button in transmitter; ▲ ■ ▼ in control panel is in correspondence with open, close and stop.
 - Max running time means that the motor's maximum running time at a time is 100s; the motor stops immediately if longer than 100s.
 - ▲ ■ ▼ in control panel and OPEN STOP CLOSE button in transmitter are in correspondence with open, close and stop.

VI Model list								
Model 220VAC	TM5111	TM5112	TM5211	TM5212	TM5115	TM5116	TM5215	TM5216
Model 110VAC	TM5131	TM5132	TM5231	TM5232	TM5135	TM5136	TM5235	TM5236
Frequency	433.92mHZ							
Code	Rolling code				Fixed code			
Transmitter stored	30	30	30	30	60	60	60	60
Control system	Three buttons	Single button						
Color	Black	Black	White	White	Black	Black	White	White

VII Self-learning function



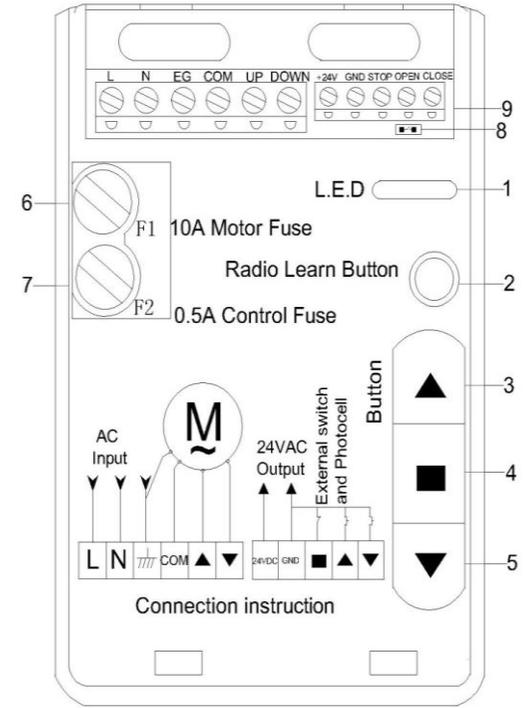
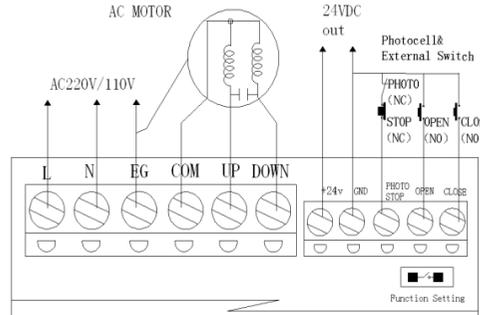
III. Product picture

- LED: Power,indicated light
- Transmitter learning and deleting button
- 4,5. Open,close button
- Stop button
- Fuse: 10A
- Fuse: 0.5A
- Switch for deadman and impulse model
- Disconnect deadman model

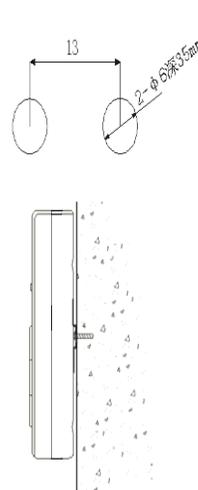
- Short circuit impulse model

9.terminal blocks

- L/N connects working power
- COM/UP/DOWN connects motor
- 24VDC output 24V DC voltage
- GND/PH/STOP connects external stop Button and photocell
- GND/OPEN connects external open button
- GND/CLOSE connects external close button



VIII. Installation Process



- Drill**
 In the installation position,drill two φ6 holes with the depth of about 35mm and distance is 13mm.
- Install buckle**
 Fix the expansion screws, buckle and 4*25 screw on the wall; Note the direction of buckle, fix the deep side on top (as shown in picture 2)
- Install panel**
- Connection&install decorative covers**
 According to the connection instruction of control panel; when connecting, applied to the actual line circuit to choose the top or bottom holes of control panel;After checking there is no errors, install the decorative covers;Complete the installation.