Tubular motor receiver TM5801 series user manual

I. Technical parameters：

1. Working voltage: 85-265VAC (110VAC 60HZ/220VAC 50HZ is optional according to motor)
2. Temperature range：-20℃ to 60℃
3. Loading capacity：1HP/220VAC or 0.5HP/110VAC
4. Built-in fuse：10A（motor） , 0.5A(Self-healing)
5. Working frequency：433.92MHZ
6. Transmitter stored：30pcs
7. Size：180*61*150mm
8. External infrared protection (connects NC contact)
9. External switch (open-stop-close in a loop)
10. Running time adjustable (5S-100S）
11. External flash lamp (working voltage 110VAC/220VAC remains the same as motor）
12. PVC button (open, stop, close)
13. Function select switch (DIP1: change the running direction of motor. DIP2: Switch for single button remote control and three button remote control. DIP3: switch for blinking and lighting of lamp. Frequency when blinking is 60 times per minute. DIP4: switch for latch and non-latch of remote)
14. Output voltage: DC12V*0.17A

II. Safety Instruction

1 For security, please read the instructions carefully before initial operation; making sure the power is off before connection.

2 Please clear the memory before initial operation. (Ref. Erasing ALL learned / memorized transmitters）

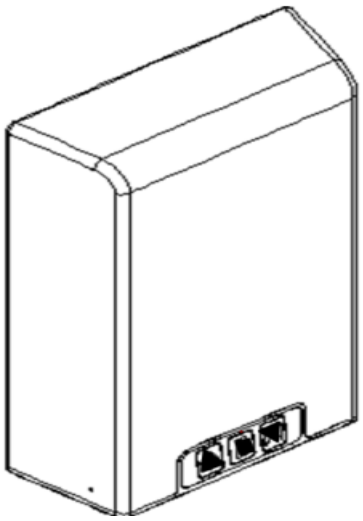
3 Do not learn the remote control when the motor is operating in order to avoid mis-operation.

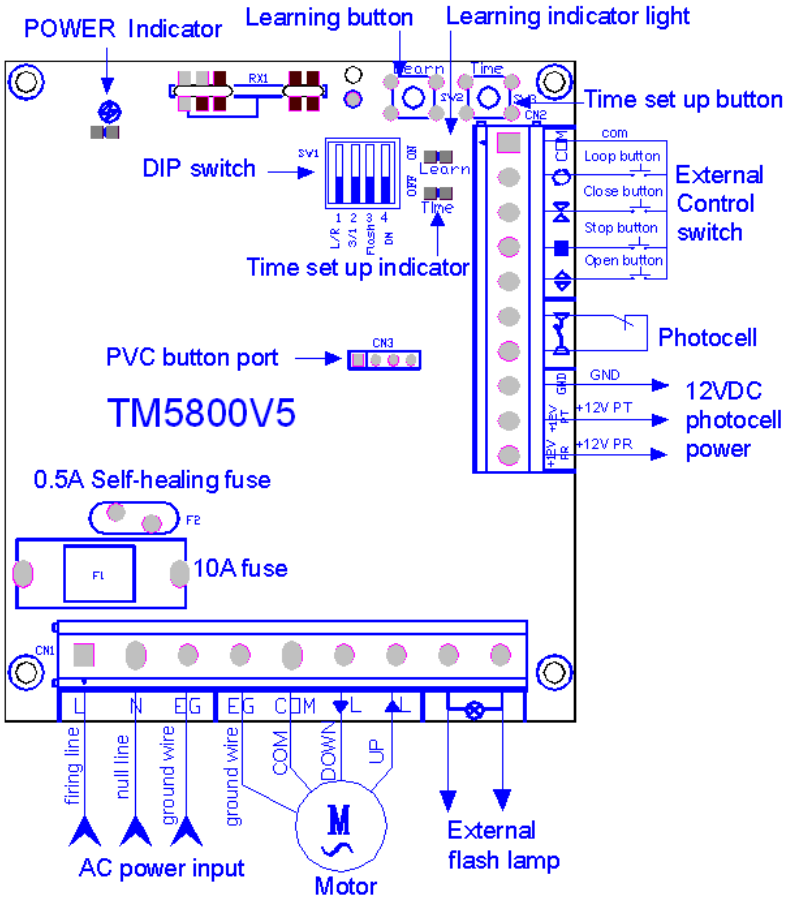
4 The received signal may be interfered by other communication devices. (e.g. the wireless control system with the same frequency range)

5 It is forbidden to control the high-risk coefficient equipment / system. (e.g. cranes)

6 It is used only for the manual remote control and wireless control equipment / system which must not endanger life or property during running failure, or its security risks have been eliminated.

III. Connection Instruction

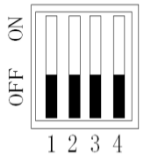




As it shows in the picture:

1. AC input working voltage is 85-265VAC
2. COM/DOWN/UP connects AC motor
3. Flash lamp working frequency is 60 times per minute. User can select lighting or blinking by setting up DIP3
4. Photocell port is NC, device provide 12VDC power for photocell (photocell only work when door closing, contactor should be short circuit if not use it)
5. External switch UP/STOP/DOWN are NO, function is the same as the way controlling with remote control button

6 Function select switch



DIP1：	DIP2：	DIP3：	DIP4：
ON or OFF can change the current operating direction of motor	ON: Single button control OFF: Three button control	ON: Lamp keeps blinking（60 times/minute） OFF: Lamp keeps lighting	ON: Deadman OFF: Impulse

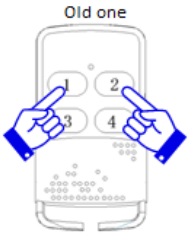
IV. Operation Instruction

1. Learning transmitters： Press the learning button in the control board, LED is on, enters into the learning process; Press the same button twice, LED blinks for several times, then off. The learning process is successful.

2. Erasing transmitter: Press the learning button, continue pressing for 8s until LED turns off; Release learning button, LED will be on (about 1s) and then off; the erasing process is successful.

3,Self-learning function

STEP 1:Use the trasmitter that already has been learned as old transmitter, press button 1 and button 2 at the same time



STEP2:then press button 2 to let it enters into the learning process .

STEP3:Press the same button on the new transmitter twice. The learning process done. In this way , new transmitter can be learned without pressing the learning button on the control board.

4. Remote control Instruction

4.1 Three button non-latch control system

Function select switch【2】at OFF;【4】at OFF. Button 1,2,3 in transmitter is in correspondence with open, close and stop.(The same as button on controller and the external button)

4.2 Three button latch control system

Function select switch【2】at OFF;【4】at ON. Motor works clockwise when keep pressing button 1; Motor works anticlockwise when keep pressing button 2; Motor stops when releasing button

4.3 Single button non-latch control system

Function select switch【2】at ON;【4】at OFF. 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).

4.4 Single button latch control system

Function select switch【2】at ON;【4】at ON. Motor works clockwise/anticlockwise when keep pressing the button; motor stops when releasing.

4.5 Infrared sensor protection

It only work when door closing. Motor stops when photocell signal disconnecting during door closing.

4.6 Motor running time set up:

Motor running time is adjustable from 5s to 100s. It is adjusted by【TIME】 button, press【TIME】 and LED DL2 will blink after 5s, then release the button after the pre-set time is appropriate . The time between pressing and releasing the button is the motor running time , controller will stop the motor when time is up.

Note:

1. Single button control only for remote control, PVC button in controller ▲ / ■ / ▼ is to open/close/stop.
2. Max running time means that the motor's maximum running time at a time is 100S; the motor stops immediately if longer than 100S.
3. ▲/ ■/ ▼in control panel and OPEN STOP CLOSE button in transmitter are in correspondence with open, close and stop.

V. TM58XX series model list

Model	TM5801V5	TM5803V5	TM5811V5	TM5813V5
Color	White	White	Black	Black
Code	Rolling code	Fixed code	Rolling code	Fixed code