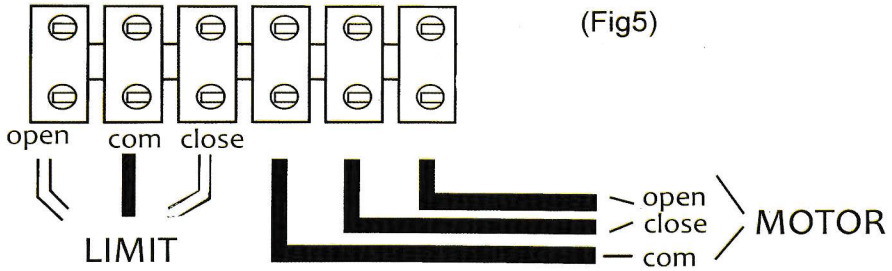
Motor wiring (Fig 5)



(Fig5)

Trouble shooting

No	Obstacles	Cause analysis	Chear and the method
1	Motor doesn't work	*No power supply *Break fuse *Capacitor decay *Surpass load *Effected by the thermal protection	*Check power supply *Change fuse *Change capacitor *Check if any barrier on track *Restart after 20 minutes
2	Can open (close),but can't close (open)	*Position of limit switch is not correct *Limit switch is damaged *Whether close /COM/open wires are connected wrong *Magnetic-steel dropped and position isn't right	*Adjust position *Change limit switch *Connetc correctly according to wiring diagram *Re-adjust the position
3	Can not locate accurately	*Distacne of limit switch is too large *Limit switch is brocken *Whether open. COM, close were connected *Magnetic-steel's position is wrong	*Adjust position fo limit switch *Change limit switch *Connect correctly according to wiring diagram *Re-adjust the position
4	Release device	*Operating clutch handle is broken *Worm gears are jammed	*Change the handle *Rotate the pinion
5	Push the"open"button but the gate close	*Whether motor line U.V. W. connection error	*Contnect correctly according to wiring diagram
6	Motor can turn but can not work	*Compression spring of clutch is dead *Gear box is released	*Change the spring Couple the wirm gear

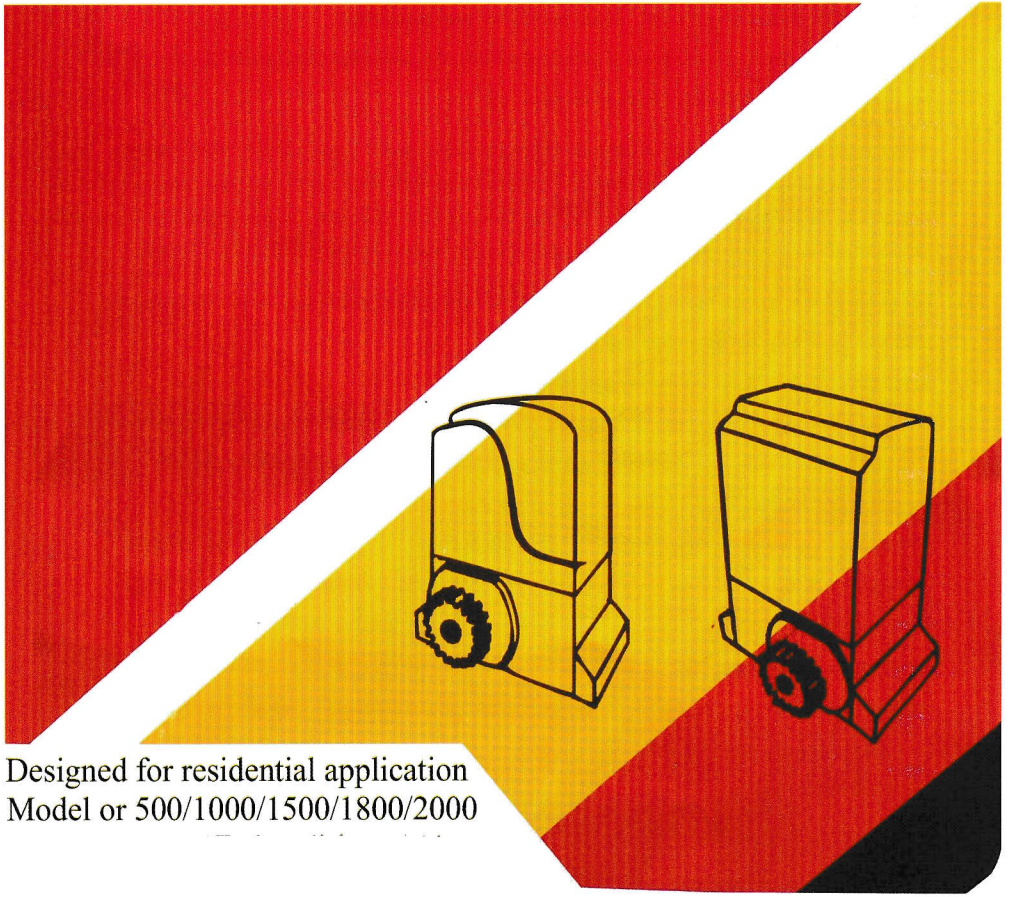
SLIDING GATE OPENERS

⇔ Best Quality ⇔

PURE COPPER CORE

The strongest solution for sliding gates

Product manual



Designed for residential application
Model or 500/1000/1500/1800/2000

PREFACE

First of all, thank you for using the door opener produced by our company. In order to ensure that you are fully familiar with the various functions of the machine, please read this manual carefully, so that you can install and use it safely.

Security &Protection

1、 Power supply voltage must meet the requirements, do not overvoltage or under-voltage use;

2、 When installing or repairing the gate, please cut off the input power first;

3、 Please make sure that the door opener is grounded reliably, the grounding resistance is less than 4 Ω, and there are leakage and short circuit protection.

4、 At the proper position of the side of the door opening machine on the track, a limit iron should be firmly welded, which should be outside the range of the electric appliance limit, so that it is appropriate to block the two sides of the walking wheel and the door body does not leave the guide wheel constraint. To prevent the electrical limit failure gate from both sides of the guide wheel constraints caused by overturning;

5、 Before the door is opened, obstacles should be cleared; vehicles and pedestrians are strictly prohibited from passing through the gate while it is in operation.

6、 Avoid children playing operate remote control and control box switch;

7、 The motor shall not be disassembled on its own, and the maintenance shall be carried out by professional personnel.

8、 This machine uses high-grade lubricating grease, no need to replace or add lubricating oil.

Technical specifications

1、 Power supply: **110V/ 60HZ**

2、 Motor power :370W/550W/750W/900W/1200W

3、 Starting current: 3A;

4、 Motor speed: 1400r/min;

5、 Running speed : 12m/min;

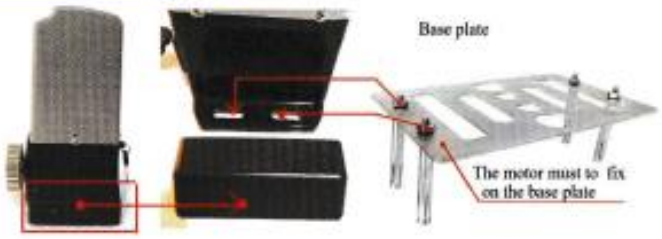
6、 Suitable door weight: 400-2000kg

7、 Environment temperature: -25℃~+55℃

8、 Motor net weight: 12.7kg——16.7kg

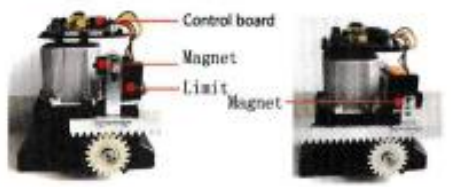
Installation of reserved power cord with 1 square millimeter or 6 cores (or 1.5 square 2 core)

Metal base plate mounting (Fig 1)



(Fig 1)

Install the limit magnet or spring limit at proper position on the steel rack (Fig 2)



(Fig 2)

(Fig 2)

Move the gate manually to the open limit and close limit , mark the points on the rack,,then, fix the limit stoppers or magnets at the limit points on the rack

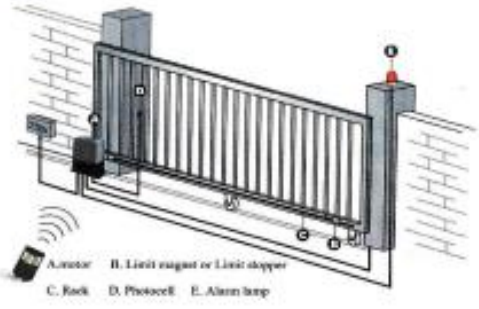
Electrical mode turn to manual opening (Fig 3)

When the power failure, use keys to release the clutch, push door manually.(must to open the release clutch to 90 degree.

(Fig 3)

Example of a sliding gate operator installed (Fig 4)

* Before using the machine,check power supply , grounding, voltage, etc.
* Check whether it is connected according to the demand of wiring diagram.
* The gate should be pulled easily and smoothly manually when the worm gears are released.
* The worm gears will be coupled before power on.
* The product must be installed by professional person



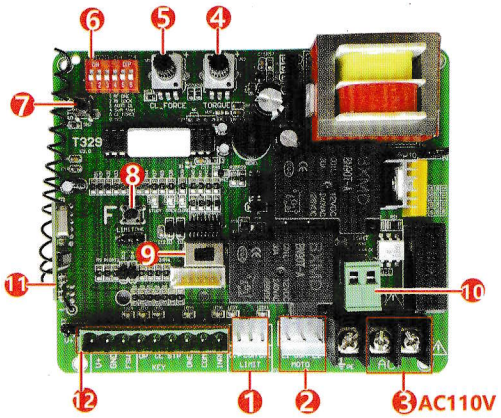
(Fig 4)

T329 Control board for sliding gate opener (AC110V)

Input voltage: AC 110V /60Hz + - /10% Maximum Current :5A

Fuse: 10A Remote control distance : open land > 30 M

Control panel interface and function use



1. **Limit line** (O.P COM C.L)
2. **Motor line** (L1 COM L2)
3. **Supply power** :AC110V + - 10%
4. **TORQUE** adjustable
5. CL_ FORCE adjustable
6. **FUNCTION SET** B1RF ONE→single button on remote B2RF LOCK → remote manual lock function B3 AUTO CL→automatic close B4Soft start B5CL_FORCE → Encountered obstacle return B6SET
7. **Remote control STUDY key**
8. **F key is manual cycling switch** , OPEN-STOP-CLOSE- STOP
9. **Adjustt he motor direction** turn leftor turn right
10. **AC110V Lighti nterface**
11. **Receiving module of remote and antenna**
12. **Optional accessories interface ,such as manual switch , infrared sensor, keypad access system and so on .**

The remote control method of use:

The control board can match most learning code remote control 300.more than the number,will not be able to add the remote control.

A) Remote control key operation: press the direction (▲OPEN/ ▼CLOSE) key on the remote control can make the motor movement, press the ■ STOP key , the motor stop . Lock key a free key.

B) Add remote control : Press the remote control STUDY key on the controller for ONE second, L6 is closed and release your hand, then press any one key on the remote control ONE time, heard a sound thati s the remote control study successful. The same method add second, third....

C) Clear remote control operation :Press the STUDY key on the remote control board for 8 seconds. After you hear a sound, release your hand, thati s clear all the remote control you have studied before. You can study to use it again according to the remote control studying method.

D) Automatic door closing function setting: The customer can sett he automatic door closing function according to the need. When B3 （look att he red component,find the B3） is turned ON, iti ndicates thatt he automatic door closing function is turned on. When iti s on OFF, iti ndicates thatt he automatic door closing function is turn off.

E) Automatic door closing time setting method: Put on red DIP switch B3 and B6 to ON, automatic closing time set : you can through F key to increase the delay time . delay time set : press F key 1 time 1 second , (such as you wantt o keep the door opened 60 seconds, you need to press the F key for 60 times.) After the setting, B6 must be putt o OFF. there is a voice prompt, thati s set automatically Closing time is completed. NOTICE: The motor must stop by the magnet/spring limiti t can automatically close the door.

F) Manual switch wiring:The single-button switch must be automatically reset, such as a doorbell or similar function switch can be selected. connectt he COM and ONE interfaces. This is a single button cycle type open- -stop--close-stop.

you can choose the three-button switch, the three button can automatic reset by itself and it has open-stop-close word or similar function switch, wiring interface OP (OPEN)-CL (CLOSE)-STP (STOP)-COM (0V)

You can also choose the access control system to open the door, Selectt he relay output DC12V access control system ,wiring interface: V+(12V) - GND(0V) - OP(OPEN), only open the door effectively.

G) Stroke wiring: The stroke can be selected by spring or magnetic, LIMIT interface (OP-COM-CL) the common line is connected to COM, and the direction is connected to OP(open) and CL(close)

H) Motor wiring: MOTOR interface (L1--COM--L2) the common line is connected to the motor COM, and the direction is connected to L1 and L2,You can adjustt he motor direction by changing the L1 and L2 wiring. You also can operator the direction switch to change the motor

direction. . Look att he control board image designation 9.

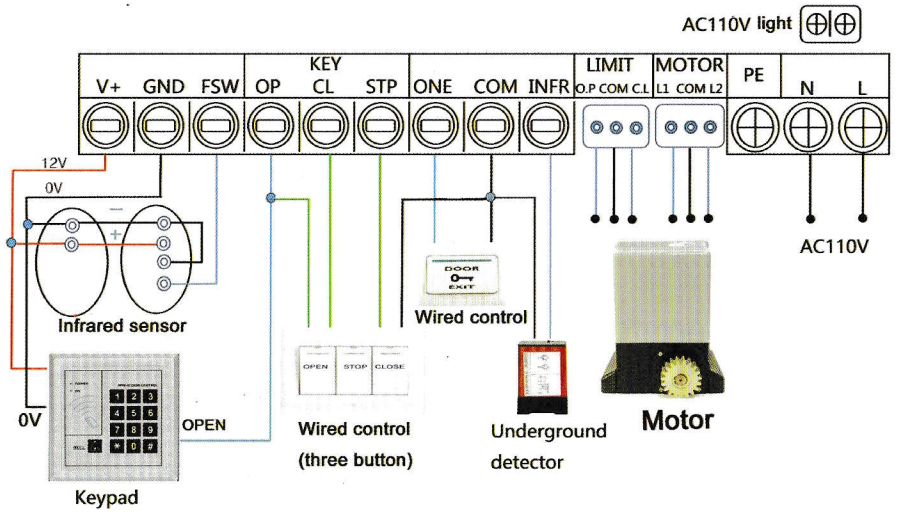
I) Warning light wiring: Find the sign LIGHT (10) Interface on the control control board, the power oft he warning light must be **AC110V**

J) Infrared sensor wiring: According your need to install the infrared sensor, infrared sensor power supply is DC12V, jumper short circuit normally open output port (ON), it is effective to close the door. When the infrared sensor detects the object as the door is closing, the door will stop or return to the open state.(stop or return you can choose, find the CL-FORCE sign on the control board , putt he red code 5 up or down)

Infrared sensor interface: V+(12V) -- GND (0V) -- FSW (ON)

H) Power wiring : PE is the ground line,N .L are power line, the motor is powered by **AC110V** . The defaulti s **110V** power supply. **Can't connectt o AC220V and AC380V.** Power cable need one line with 2 cores （1.5 square meter 2-core power cord ） without positive and negative poles.

Wiring diagram



Note:

1, The default working voltage oft his control board is **AC110V** +- 10%.

2, The power cable buried under the ground should use high-quality wire to prevent moisture. The motor has overheat protection. Ifi t exceeds the temperature, it will stop working. After the temperature drops, it will continue to work.

3, This control board and line non-professionals are not allowed to install. In case of personal safety problems, the company is not responsible for any.

4, Ift he motor has quality problems, please send to the distributor for handing. Ift he user repairs it himself, the company is not responsible for the loss caused by the user's own repair.

Simple fault checking and troubleshooting

Ⅰ、When the control board does not work on the motor, first check the power cable. Connectt he power , if LED8 oft he control board is light on, indicating thatt here is power input, press the remote control to open or close - LED9 and LED10 will flash at the same time there is a voice by the relay. The above shows thatt he board display is no problem. Please check the motor line or other problem

Connected to the power supply, there is no light on the board, indicating thatt here is no power input, it may be a broken board or a power line problem. Please check the power line or change the control board.

Ⅱ、Ift he fuse is burned after the power is connected, please check ift he grid voltage is too high or the power cord is leaking. cut offthe original power and try to change a new power cable again.

Ⅲ、If you find thatt he remote control is not work, try pairing the code to the remote control or replacing the remote control battery.

Ⅳ、The distance of remote control is close: The remote control's distance is about 30 meters away from the open land. Because the radio waves are affected by the weather, the remote control distance is reduced under severe weather conditions such as rain, fog and wind. This is a normal phenomenon.

Check ift he remote control receiving antenna on the control board or not or broken. Extending the receiving antenna can increase the distance oft he remote control.

When the battery is old, the remote control will be close, and you can try replacing the new battery.