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TOUGH TOOLS, HALF PRICE

Technical Support and E-Warranty Certificate

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SLIDING GATE OPERATOR

MODEL: MD750 / MD550 / MD370 / PY600ACKMJ0000001V2

We continue to be committed to provide you tools with competitive price.

"Save Half", "Half Price" or any other similar expressions used by us only represents an estimate of savings you might benefit from buying certain tools with us compared to the major top brands and does not necessarily mean to cover all categories of tools offered by us. You are kindly reminded to verify carefully when you are placing an order with us if you are actually saving half in comparison with the top major brands.

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NEED HELP? CONTACT US!

Have product questions? Need technical support? Please feel free to contact us:

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This is the original instruction, please read all manual instructions carefully before operating. VEVOR reserves a clear interpretation of our user manual. The appearance of the product shall be subject to the product you received. Please forgive us that we won't inform you again if there are any technology or software updates on our product.

Dear user,

Thank you for choosing this product, please read the manual carefully before assembling and using it.

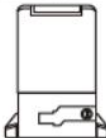



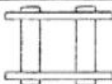



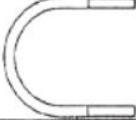
Please do not leave out the manual if you send this product to a third party.



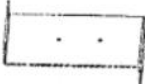

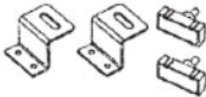





Safety Instruction

1. Please ensure that the using power voltage matches with the supply voltage of gate opener (AC120V or AC220V); kids are forbidden to touch the control devices or the remote-control unit.
2. The remote-control unit is controlled by a single button mode. The indicator light on the remote-control unit will flicker when the button on it is pressed. Main engine and gate can be unlocked by disengagement wrench and the gate can move with manual operation after disengagement.
3. Please ensure that no one is around the main engine or gate when the switch is operated and it is usually demanded to examine the stability of installation. Please temporarily stop using if the main engine needs repairing or regulation.
4. The installation and maintenance of the products must be carried out by professionals.

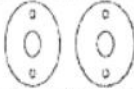

Packing List (standard / detachable mounting base)

1、Packing List

No.	Picture	Name	Quantity
1		Main engine	1
2		Manual release key	2
3		Remote control (without battery) (battery model 27A 12V)	2
4		Sprocket cover	1
5		Chain link	2
6		Chain	6m
7		Tie rod	2
8		Square screw	4
9		Round screw	4

No.	Picture	Name	Quantity
10		Door connecting plate	2
11		Horizontal mounting plate	1
12		Vertical mounting plate	2
13		Expansion screws	4
14		Magnetic limit switch block	1
15		Inner hexagon screw M6×16	4
16		Hexagon screw M6×70	4
		Hexagon screw M8×35	4
17		Nut M6	16
		Nut M8	8
18		Flat washer φ8	12
19		Spring washer φ6	16

2、Packing List (optional)

No.	Picture	Name	Quantity
1		Infrared sensor	1
2		Wireless keypad	1

Technical Parameters

Model	SL600ACL
Power supply	220V/50Hz;110V/60Hz
Motor power	370W/550W/750W/1200W
Maximum weight of gate	800kg/1200kg/1800kg/2400kg
Gate moving speed	12m/min
Remote control distance	≥30m
Remote control mode	Single button mode
Limit switch	Magnetic limit switch
Noise	≤58dB
Working duty	S2,15min
Recording of up remote controls	25
Frequency	433.92 MHz
Working temperature	-20°C-+70C
Package weight	20.5Kg

Working Principle:

It consists of motor, worm gear, and driven gear. The motor drives worm gear and driven gear. The driven gear in turn drives the rack. The motor transfers its motion energy to the socket through worm and driven gear. Both the gears will rotate simultaneously when clutch is engaged, so that the door can open and close with

simple electrical controls. In case if the power fails, disengage the clutch through disengage key (by turning it at about 90°).

Instruction

Please read the instruction carefully before use

SL600ACL sliding gate opener is applicable to gate weight less than 600kg, and length of the sliding gate should be less than 8m. The drive mode adopts the sprocket and chain transmission. This gate opener must be installed inside the enclosure or yard for protection.

1、 Installation drawing

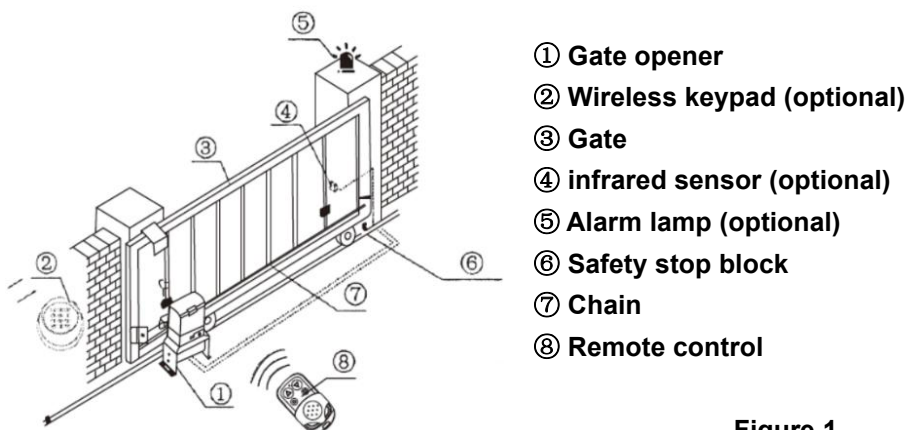
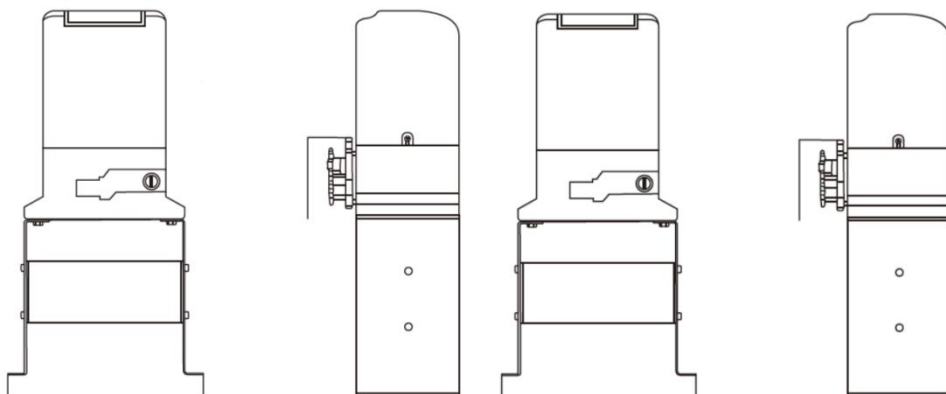


Figure 1

2、 Size of main engine

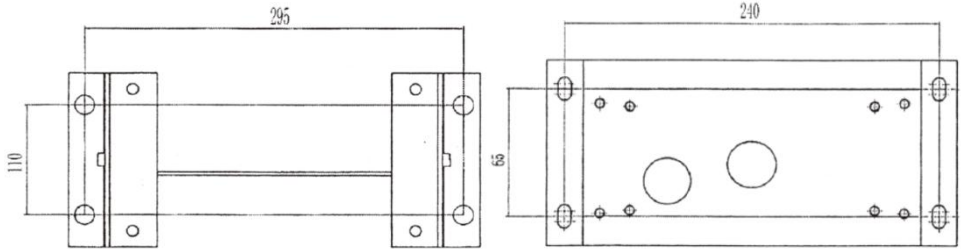


Detachable mounting base

One-piece mounting base

Figure 2

3、Size of embedded hole



Detachable mounting base

One-piece mounting base

Figure 3

4、Installation procedures

4.1、Preparation work before installation

Please ensure that the sliding gate is correctly installed, the gate rail is horizontal, and the gate can glide back and forth smoothly when moved by hands before installing the gate opener.

Cable installation

Please bury the motor & power cable and controlling cable with PVC tube, and use two PVC tubes to bury (motor & power cable) and (controlling cable) separately, so as to guarantee normal operation of the gate opener and protect the cables from damages.

Concrete pedestal

Please cast a concrete pedestal with the size of 500mm x 350mm and depth of 200mm in advance, so as to firmly install SL600ACL gate opener. Please verify

whether the distance between the gate and gate opener is suitable before casting the pedestal.

Embedded screws

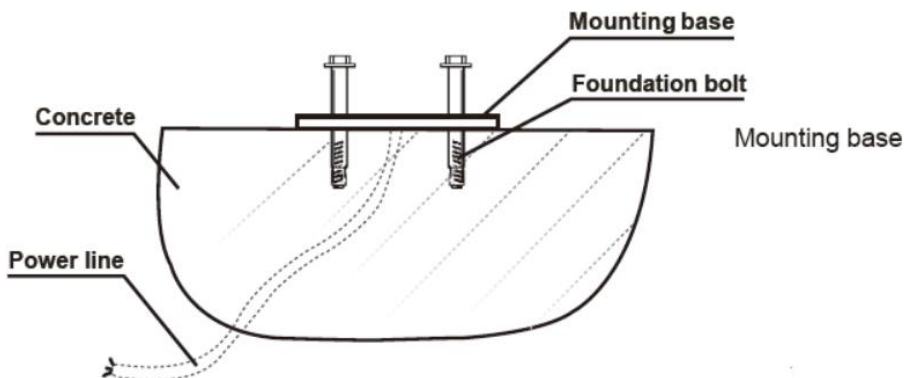


Figure 4

4.2、 Main engine installation

- a) Dismantle the plastic housing on the main engine before installation and keep relevant fasteners properly;
- b) If select the detachable mounting base, the base should be assembled first as shown in Figure 5:

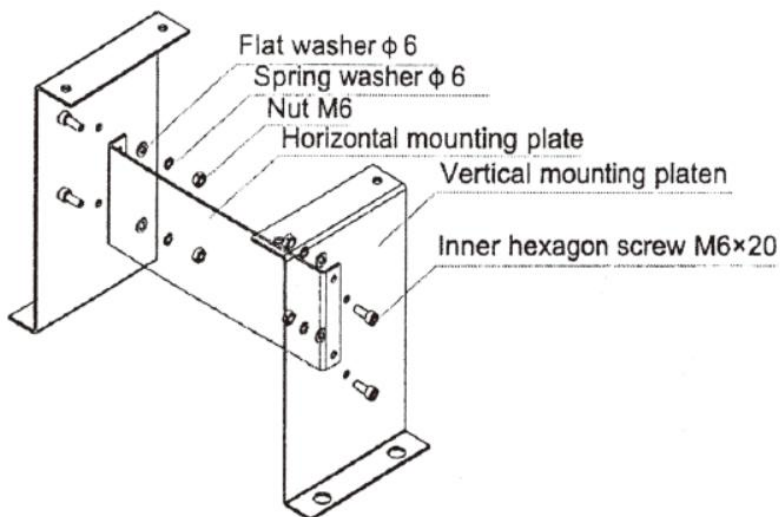


Figure 5

c) Assemble the machine engine to the mounting base as shown in Figure 6;

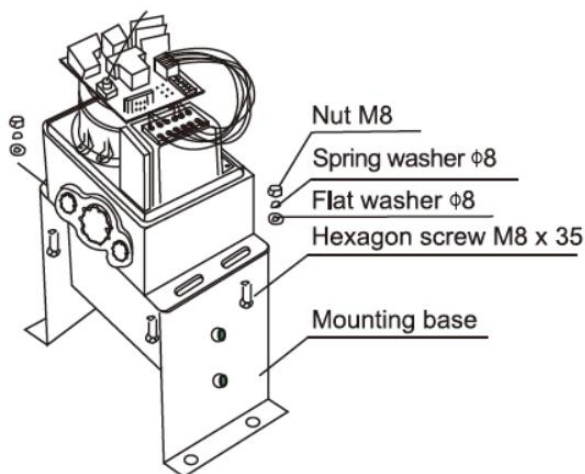


Figure 6

d) Please prepare the power line for connecting mounting plate and main engine (the number of power supply cable core shall not be less than 3 PCS, the sectional area of cable core shall not be lower than 1.5mm² and the length shall be determined by users according to the field situation) due to different installation environments,

e) Please unlock the main engine before installation, the unlock method is: take out the key cover, insert the key, and open the manual release bar till it rotates by 90° as shown in Figure 7. Then turn the output sprocket and the sprocket can be rotated easily;

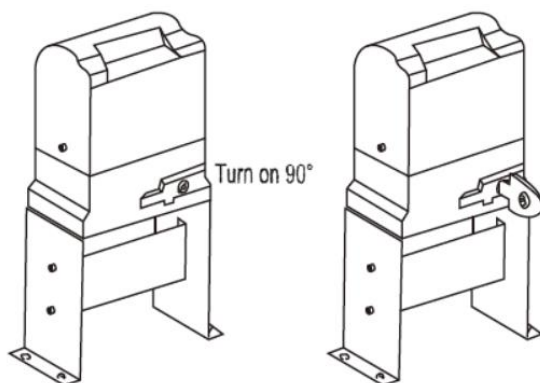


Figure 7

4.3、Chain installation

Close the gate; connect the tie rod with chain through chain link; fasten the tie rod to the door connecting plate by washers and nuts as shown in Figure 8. If necessary, the elasticity of chain can be adjusted through the tie rod at both ends as shown in Figure 9 and 10. If necessary, the chain can be shortened. If it needs to be lengthened, make sure to use same type of chain.

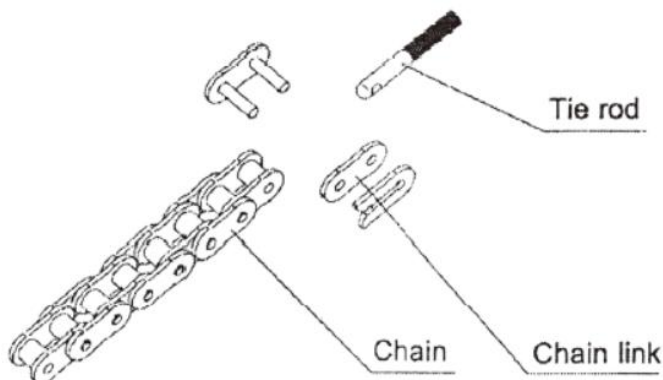


Figure 8

If door frame is round, please use the round screw as shown in Figure 9:

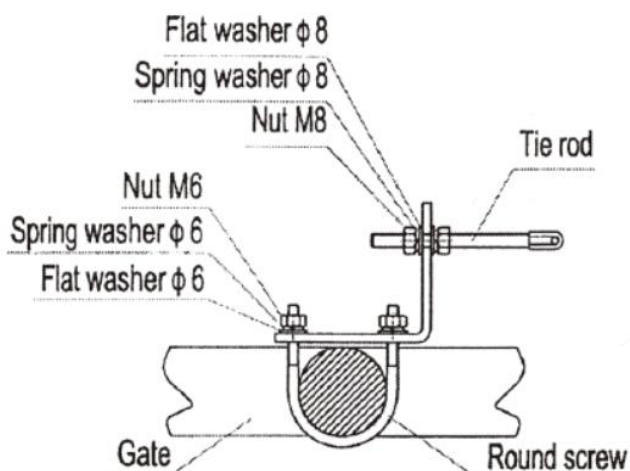


Figure 9

If door frame is square, please use the square screw as shown in Figure 10

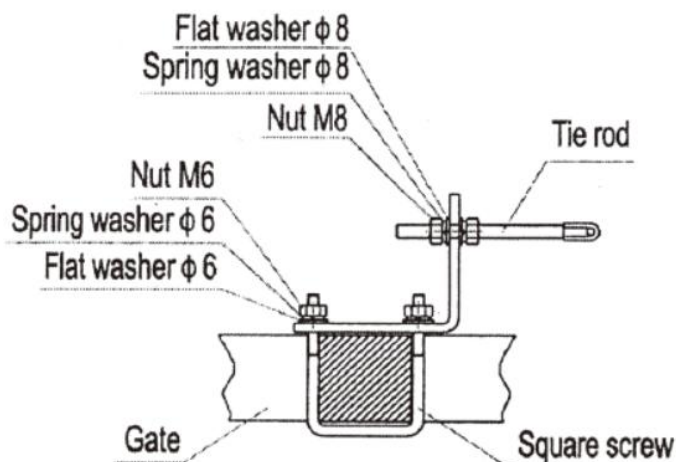


Figure 10

Installation of chain, small and big sprocket as shown in Figure 11:

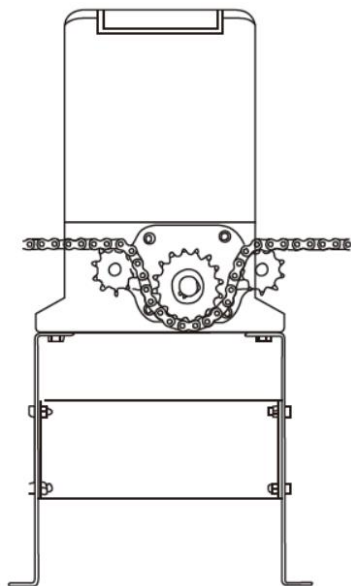


Figure 11

Installation of sprocket cover as shown in Figure 12:

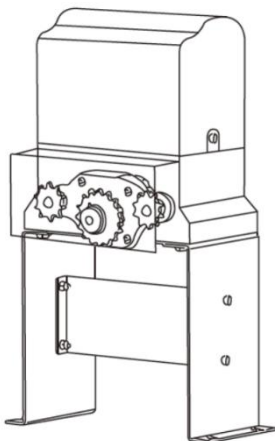


Figure 12

The distance between main engine and chain ends should be at least 30cm, as shown in Figure 13:

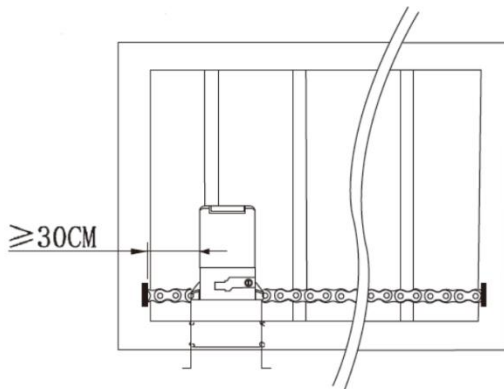


Figure 13



Warnings

- To ensure safety, install safety stop blocks on both ends of the rails to prevent the gate out of the rail. Before installing the main engine, make sure that the safety stop blocks are in place and whether it has the function of preventing the gate from moving out of the rail and out of the safety range.
- Please ensure that the main engine and its components have good mechanical properties, and the gate can operate flexibly when moved by hands before installing the main engine.
- In this product, one control can drive one main engine only, otherwise, the control system will be damaged.
- Earth leakage circuit breaker must be installed where the gate movement can be seen, and the minimum mounting height is 1.5m to protect it from being touched.
- After installation, please check whether the mechanical property is good or not, whether gate movement after manual unlocking is flexible or not, and whether the infrared sensor (optional) is installed correctly and effectively.

4.4、Limit switch adjustment

Use the manual. release key to unlock gate opener and manually move the gate to

the predetermined position; fix the magnetic limit switch block and close the clutch; testing run after power on, slightly adjust the position of the magnetic limit switch block until the gate reaches the desired open and close limit location.

Installation of magnetic limit switch block:

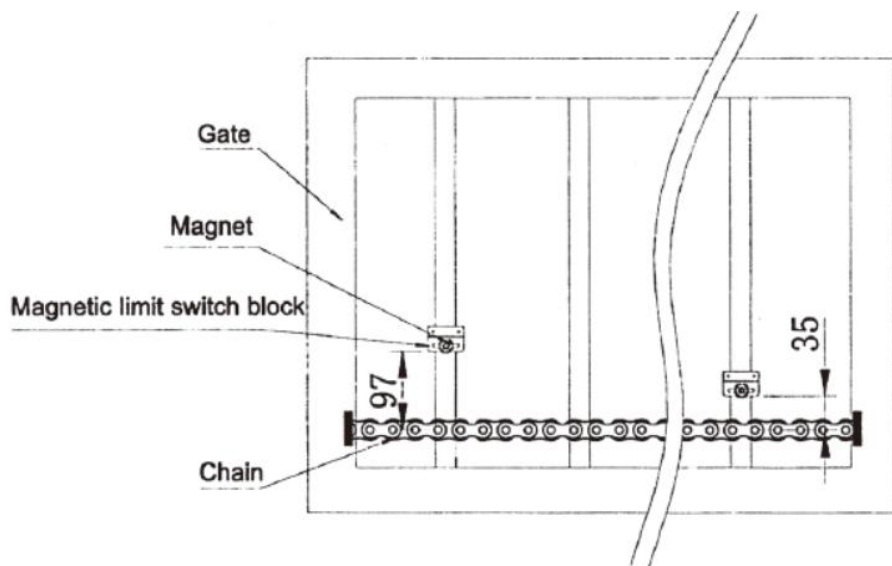


Figure 14

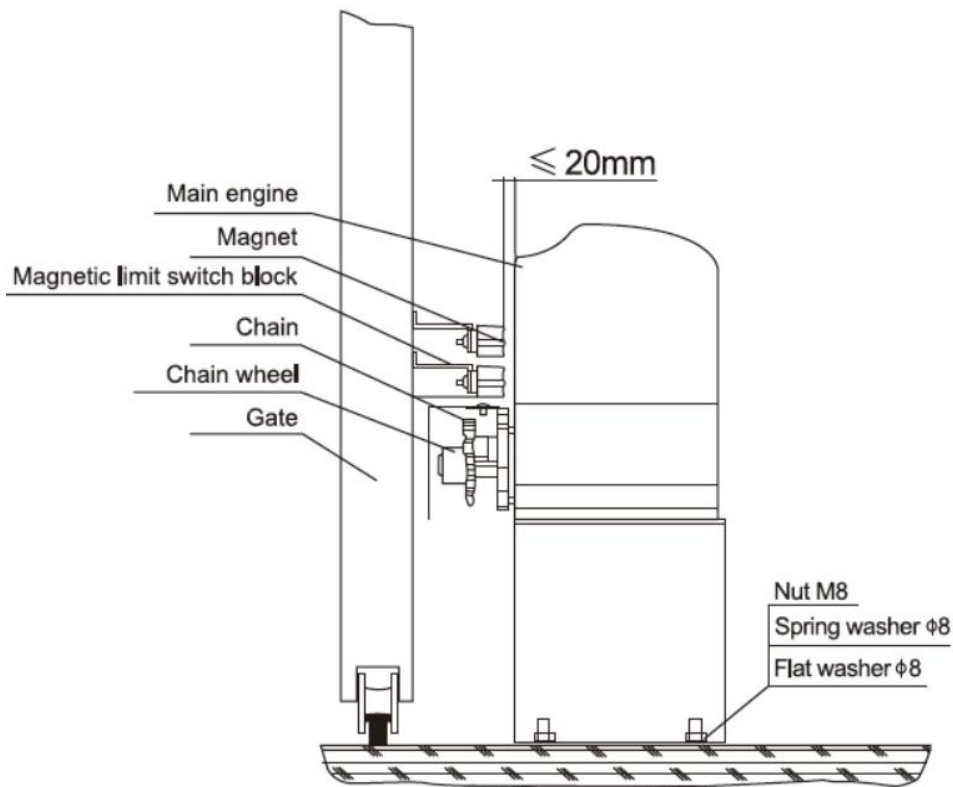
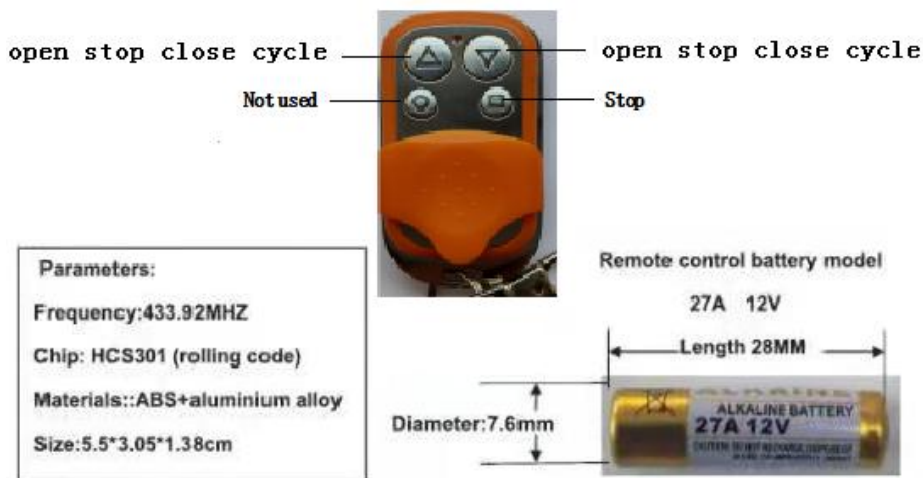
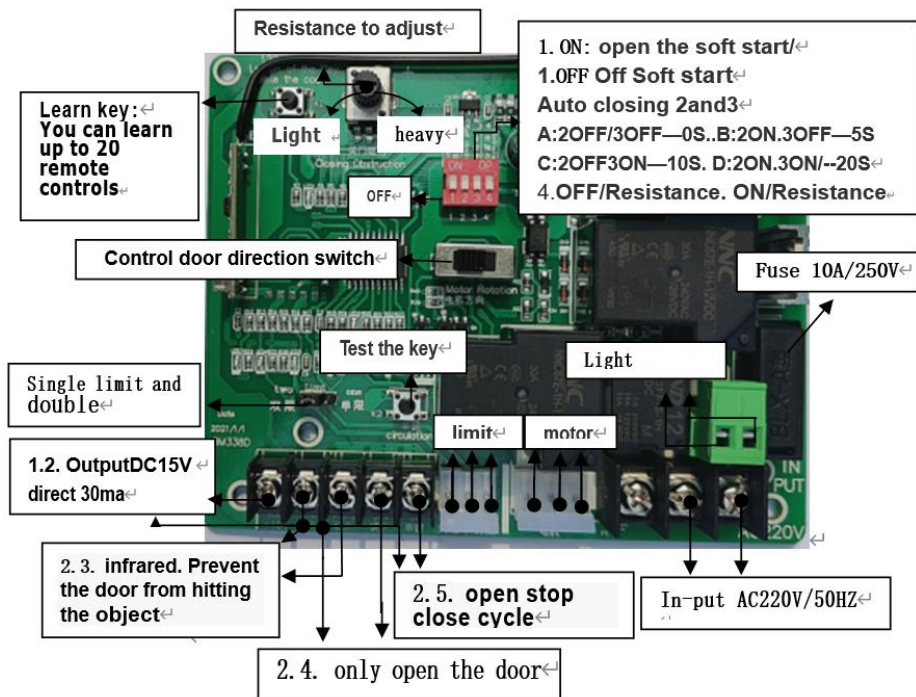


Figure 15

Electrical connection

1. The connection shall be made in strict accordance with the label on the terminal, and "fire" and "zero" shall not be reversed.
2. Observe safety regulations and separate power lines and control lines.
3. Motor enclosure must be grounded.
4. According to the wiring diagram below, it is important to separate the power line from the control line, especially not to connect the "switch in place" control line to the motor line and power line, otherwise the controller will be damaged.
5. Schematic diagram of the composition of the control board and remote control



Pairing instructions:

1. Learning remote control: hold down the learning button until the learning indicator light LED is on, press any key of the remote control for 1 second, then the

coding is finished, and the learning indicator is flashing.

2. Delete password: press and hold the learning button for 12 seconds to

automatically remove all alignment codes and the original remote control is invalid.

3. The remote control adopts advanced vehicle rolling code technology, and the common remote-control code on the outside is not easy to be repeated, effectively preventing the door opening by mistake. The remote control has intelligent program design. Press the remote control for 4 seconds to automatically stop the launch, so as to prevent it from interfering with other remote control. And save remote battery power. Convenient for transportation and storage.

4. You can learn more than 40 remote controls.

Use a function:

1. The controller has the automatic memory function of power off. It is possible that the debugging test has been carried out by the manufacturer, Limit detection, so the door must be pushed to the middle during installation.

2. Because the controller is turned on after the power is off. First of all, execute the turn on. This is normal phenomenon.

3. Single key loop: single key loop interface 1.3.

4. The potentiometer has automatic door closing. Turn counterclockwise to minimum close automatic door closing. The LED flicker once represents 1 second.

5. Equipped with infrared interface. And automatic resistance return.

6. Open the door automatically when the interface is switched on.

Maintenance

1. Coat the clutch keyhole with small amounts of antirust oil to prevent rust.

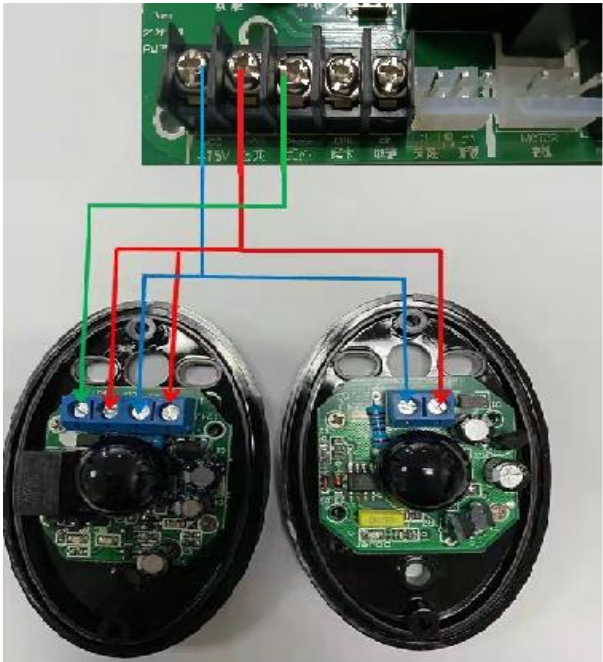
2. Regularly check the condition of electrical grounding.

3. Perform regular checks to ensure the parts are in good condition.

4. Motor requires advanced lubricating grease for smooth movement. Please do not apply regular lubricating oils.

5. The controller places the child out of reach. Always check whether the wire is broken, loose and wet. If you find it, please cut off the high-voltage

power immediately and use it after repairing and replacing.



Troubleshooting method

fault phenomenon	Analysis of the fault	To deal with failure
A. The power indicator is off	There is no 110V power input	Check power line
	The fuse is broken. The connector is not in place	1.1. Check the output line for short circuit. 2. Replace the same specification after troubleshooting
B. Power indicator light is on, press open	The clutch is not closed	Re-close the clutch

and close key, door body cannot be switched open and off	Circuit board damage due to short circuit or severe overload of external devices.	Back for repair
C. Press the "open" button and "close" button, and the door body will stop automatically or stop when the limit is reached	1.Limit sensor cable short circuit or break. 2.sensor away from magnet.	1. Check the circuit and troubleshoot. Bring the sensor to the point magnet.
	Limit the damage	Replace sensor
D. Press the "open" button to turn green, but press the "close" button to stop and back	Short circuit of infrared probe line	Check the circuit and troubleshoot the probe line
	Infrared probe damaged	Replace the infrared probe
E. The remote control becomes shorter	1.Battery is low	1.Replace the remote-control battery 23A or 27A 12v.

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