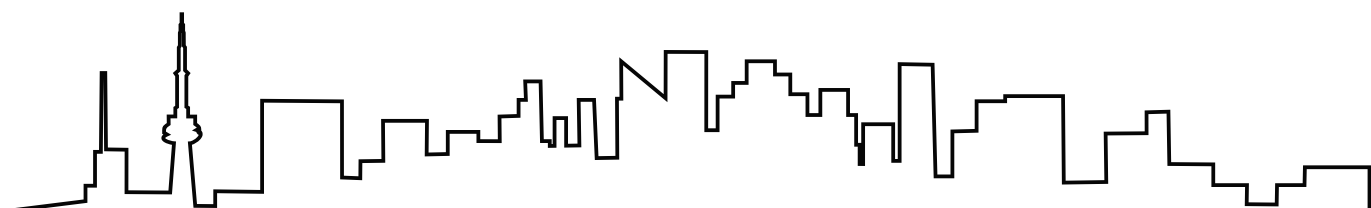




**MAGLEV DOOR**

# Manual

MODEL:DZ-08



More intelligent / Quieter / Safer

## Chapter 1 Description of the manual



### Warning

#### Guard against ,Electric shock,Fire

- ★ Installation and adjustment must be carried out according to the Installation Manual
- ★ Don't disassemble or remodel or repair the parts
- ★ Be sure to connect the ground wire when input the power supply AC220V
- ★ Be sure to cut off all input power for Installation.

#### Guard against injury ,Malfunction

- ★ Don't cut off power when the door is in operation.
- ★ Don't turn on the power supply before checking if there is pedestrian or obstacle between the door.
- ★ Manual operation(power cut ,Please be careful not to shut your fingers in the door.
- ★ Please check/adjust whether the door moves within the normal range ( Manual ) .

Special sensor power source, DC24V output (Don't use other power sources)



### Caution

Before Installation of this mechanical device , please read the Installation Manual carefully first and Install correctly after full understanding If not installed according to the Installation Manual and the device break down.Bear all the consequences themselves!

## Chapter 2 Meglev door technical parameter

### 1 Technical parameters

Door Type: Single open

Door leaf weight : 20~100kg

Door opening width: 600-1100mm

Installation way: Surface mounting

Power voltage : 220VAC $\pm$ 10%, 50/60Hz

Rated power: 80W

Opening speed:15~50cm/s(adjustment)

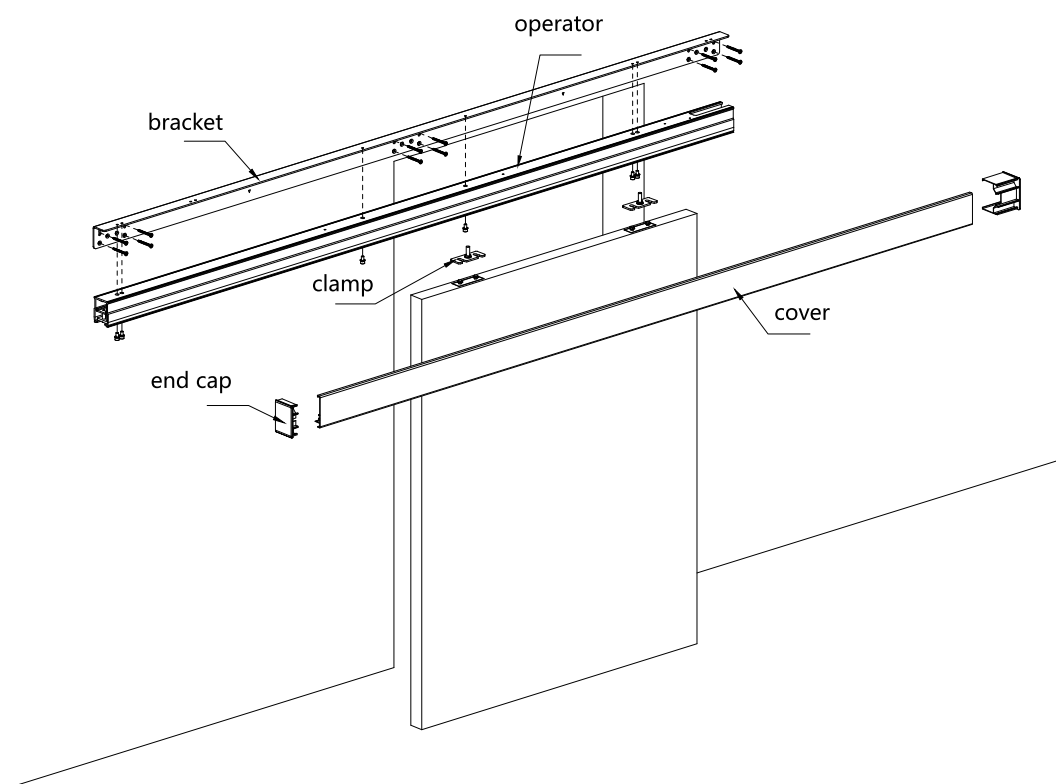
Closing speed:15~50cm/s(adjustment)

Keep open time:0~20s(adjustment)

working temperature : - 20 °C ~ +50 °C

Standby power :3 W

### 2 Components composition



### 3 Selection of the specifications and models

Model	Rail length	Max door width
DZ08-80	1900	900
DZ08-90	2100	1000
DZ08-100	2300	1100

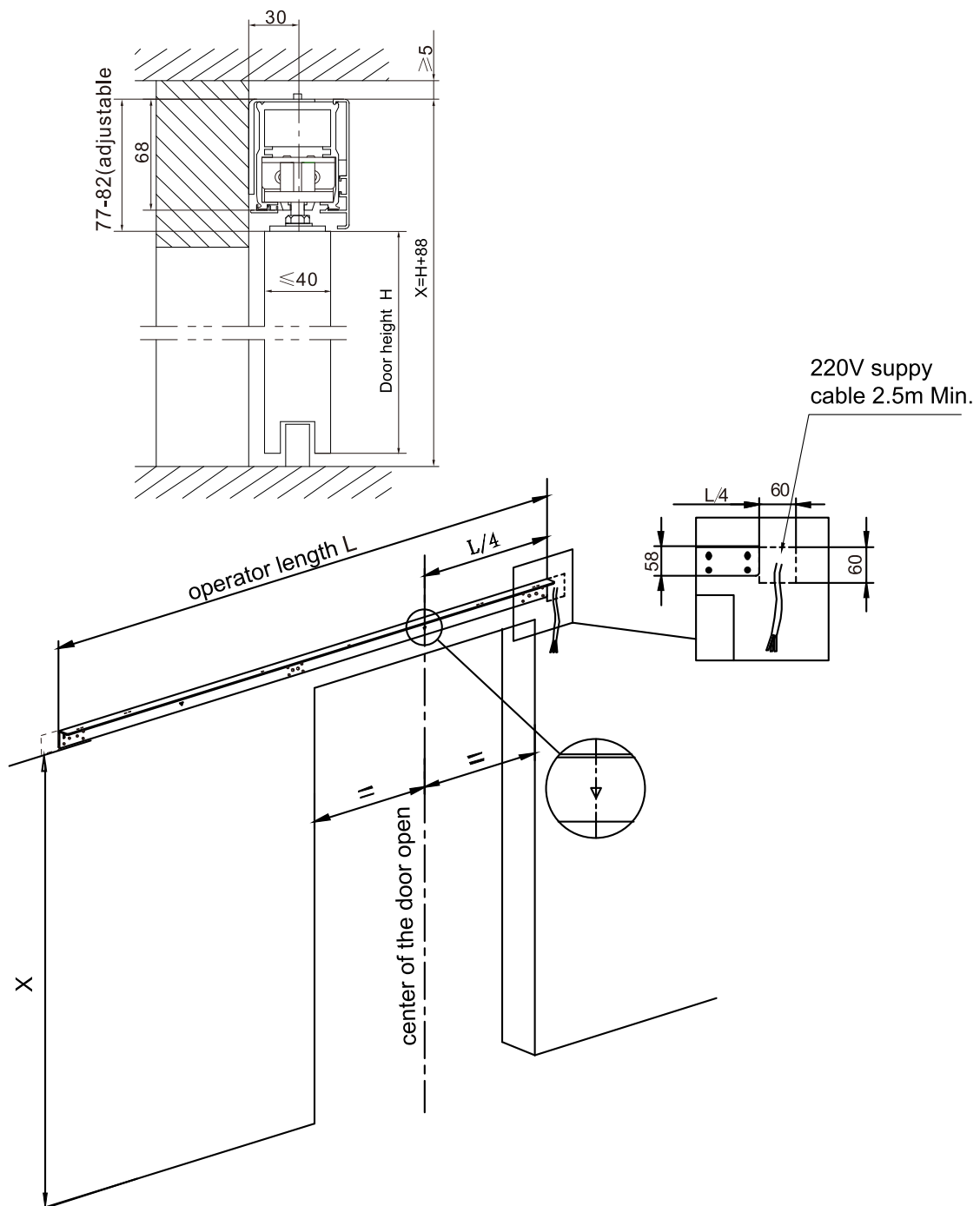
Note: Please indicate the model of the unit when placing order, Users shall not cut the length by themselves

## Chapter 3 Installation procedure

### 1 Determine the bracket position

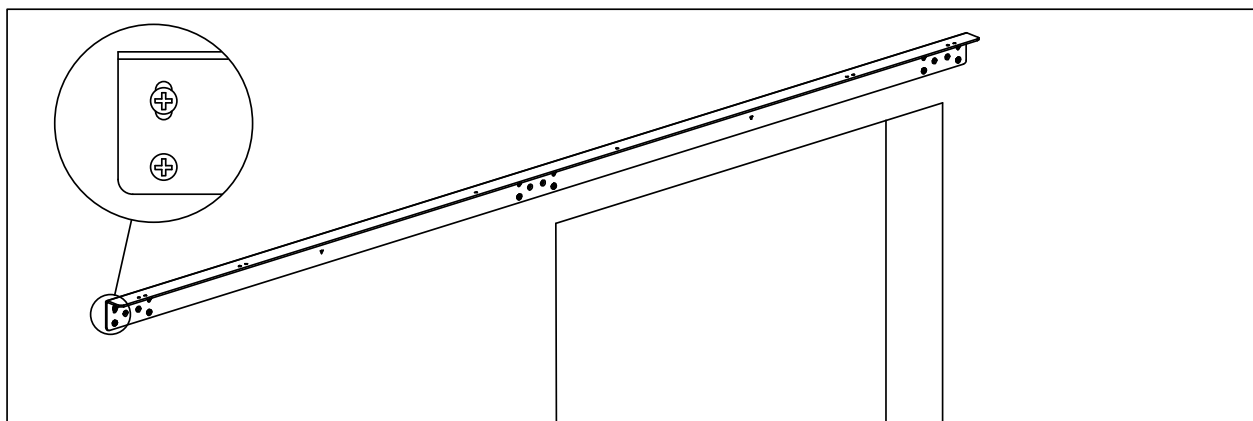
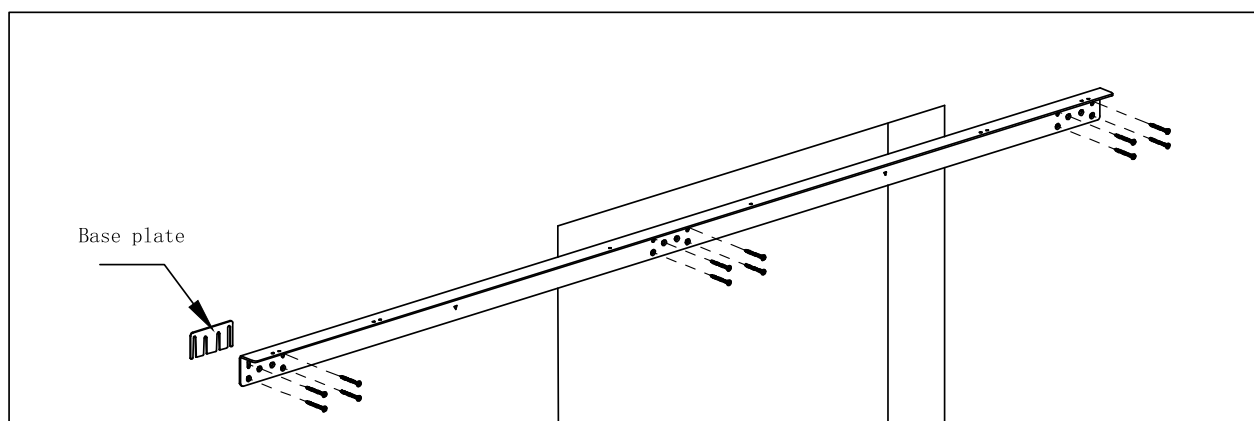
For example In this figure, the door body opens to the left determine the bracket installation position according to the dimensions in this figure and draw lines 220VAC .The power cord can be drawn forth from the dashed line box on either end of the wall of the or there is a power socket within 1.2m away from here bracket.

**Note:** Make sure that the bracket is horizontal !



## 2 Fix bracket on wall

The bracket is fixed on the wall with 12 screws. If the wall is uneven, the spacer plate can be added as needed to ensure that the bracket does not deform. Check the levelness of the bracket again. The bracket shall be firmly installed with a bearing capacity not less than 240kg.



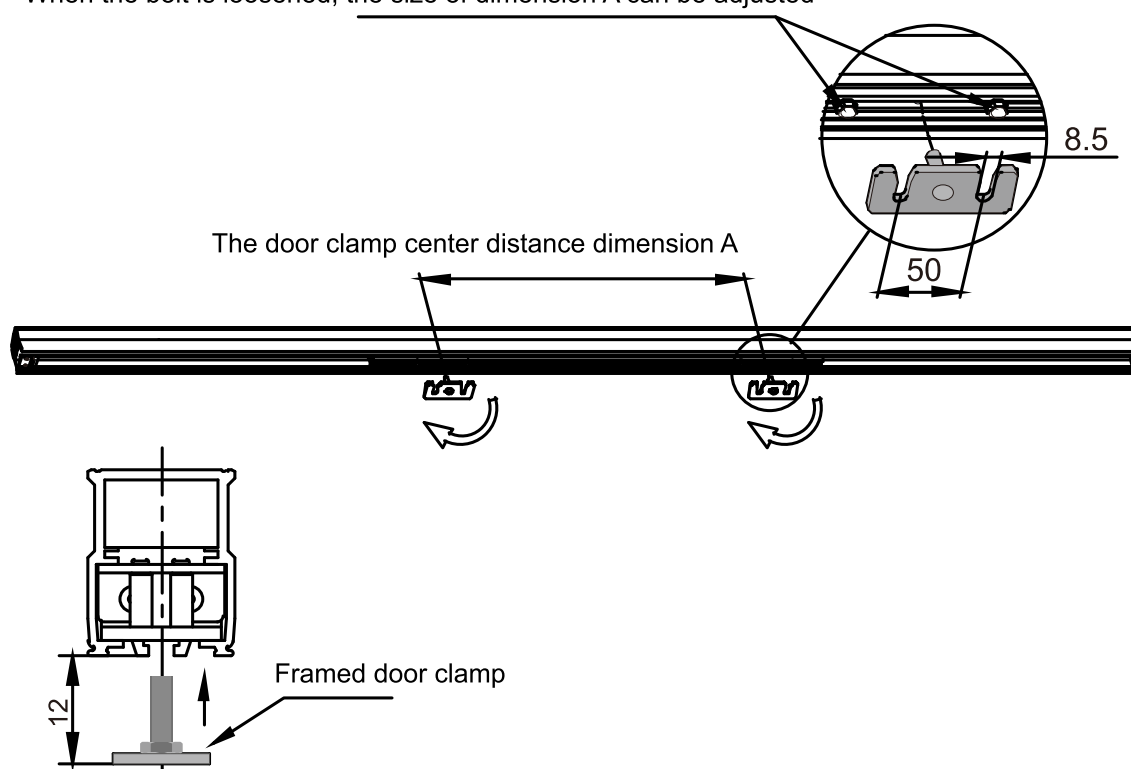
### 3 Screw-in door clamp

As shown in the figure, screw the two frame door clamps into the threaded holes of the moving rail in the unit, so that the distance between the lower plane of the door clamps and the track is about 12 (the size adjustment range is 9-14). Make sure that the opening of the door clip is forward.

The door clamp center distance dimension A in the figure can be adjusted within a certain range. The corresponding size A of units of different models is shown in the form below.

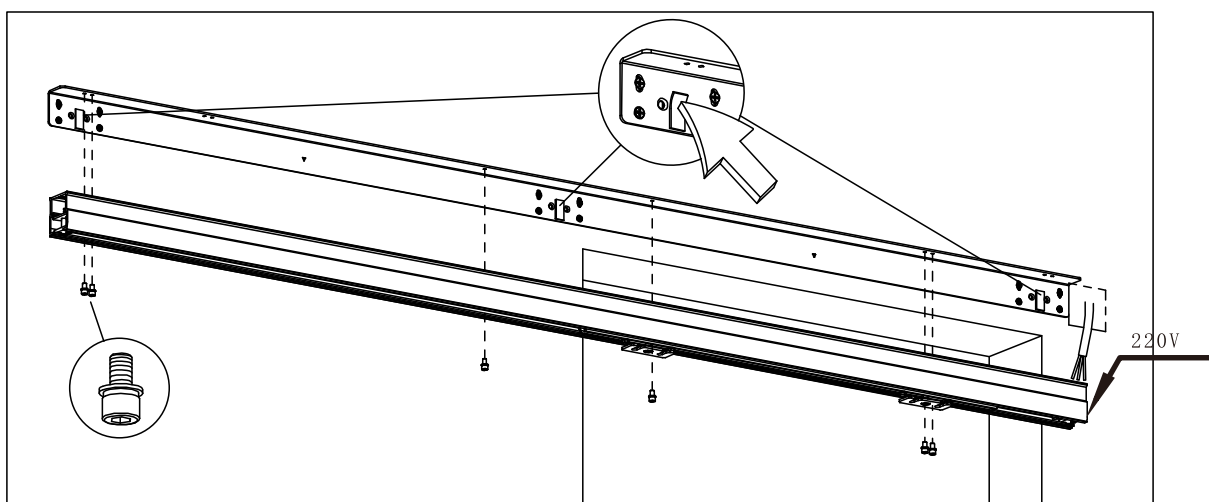
Model	Door clamp center distance dimension A
DZ08-80	500~550
DZ08-90	600~650
DZ08-100	700~750

When the bolt is loosened, the size of dimension A can be adjusted



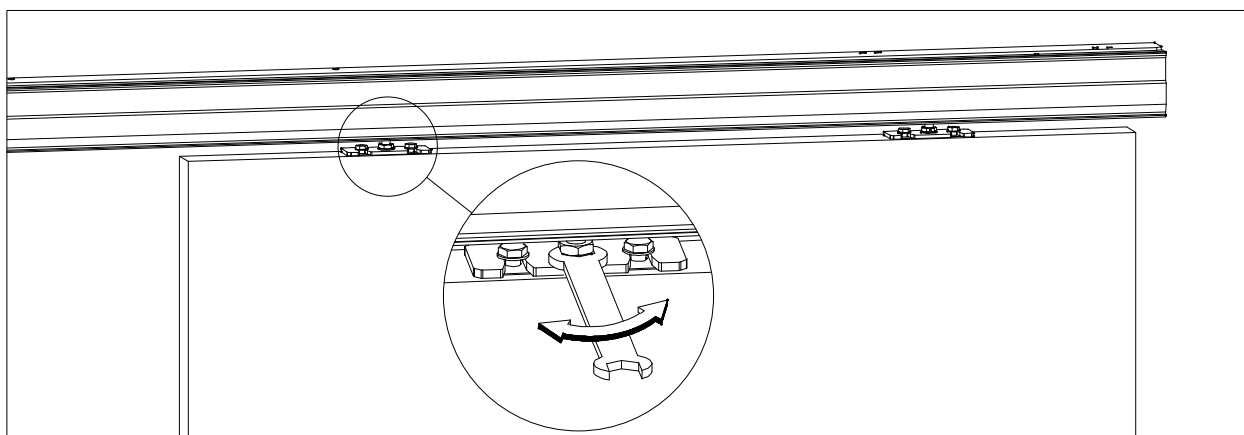
## 4 Fix the operator

1. Attach rubber strips to the three areas shown in the diagram of the bracket;
2. Fix the unit to the bracket with 6 screws, and note that the 220VAC power supply inlet end of the unit shall correspond to the power line position on the wall. The tightening torque of the screw is 8Nm.



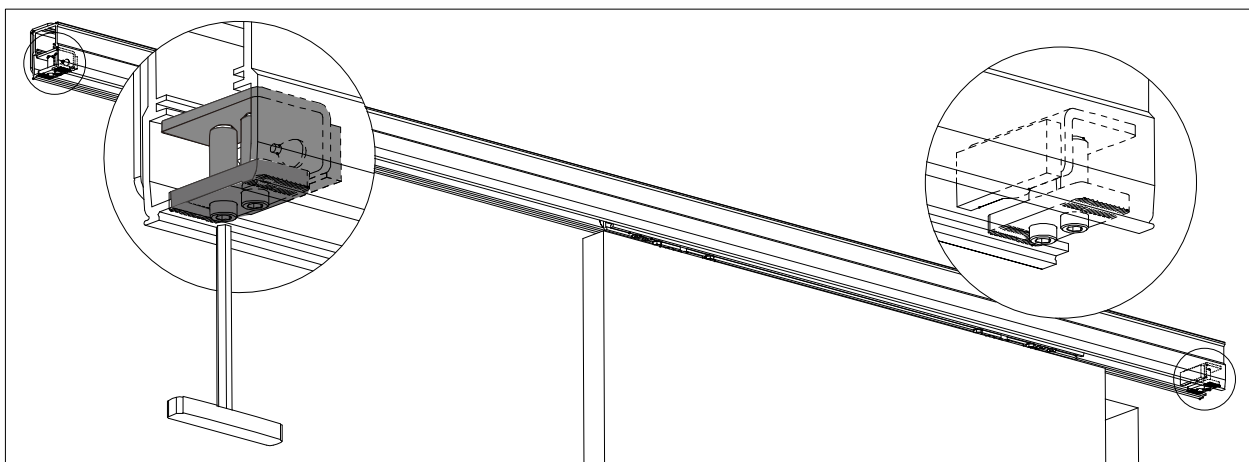
## 5 Installation of door leaf

Fix the prepared door leaf to the clamp. screw the nut as the diagram showed , adjust the height of the door leaf.



## 6 Adjustment of the position of the stoppers

After releasing the locking screw of the stopper, move the stopper to the corresponding position according to the desired "open" or "close" position of the door body, and then tighten the screw with 5Nm torque.

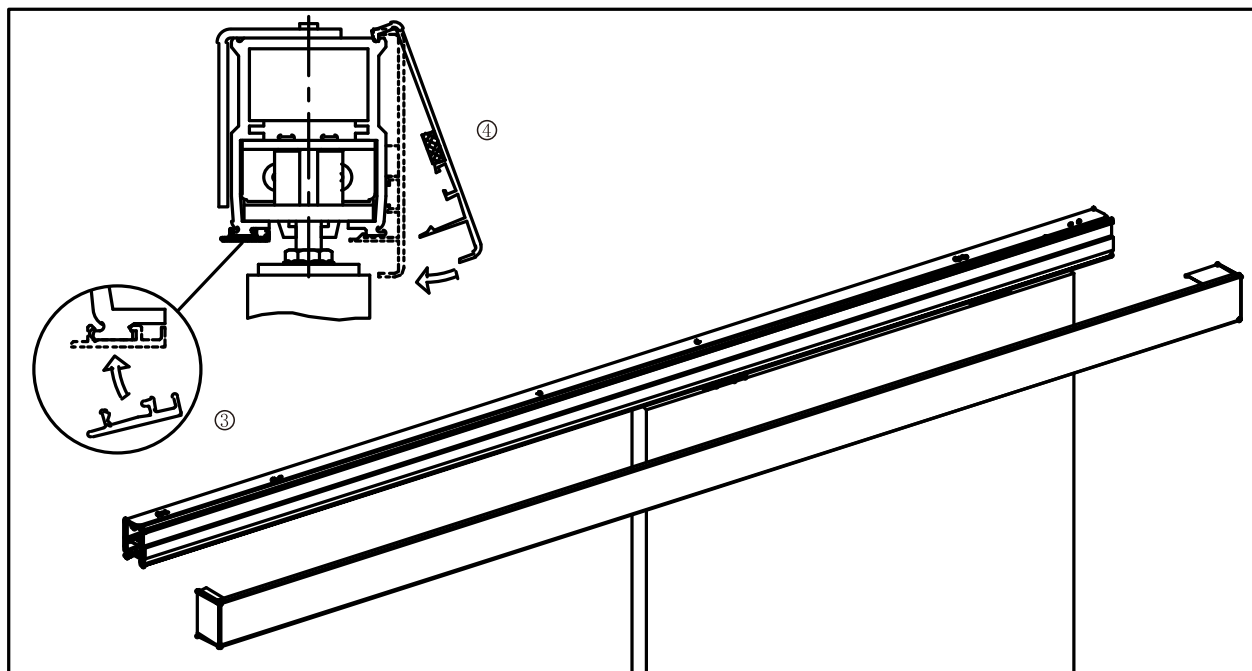
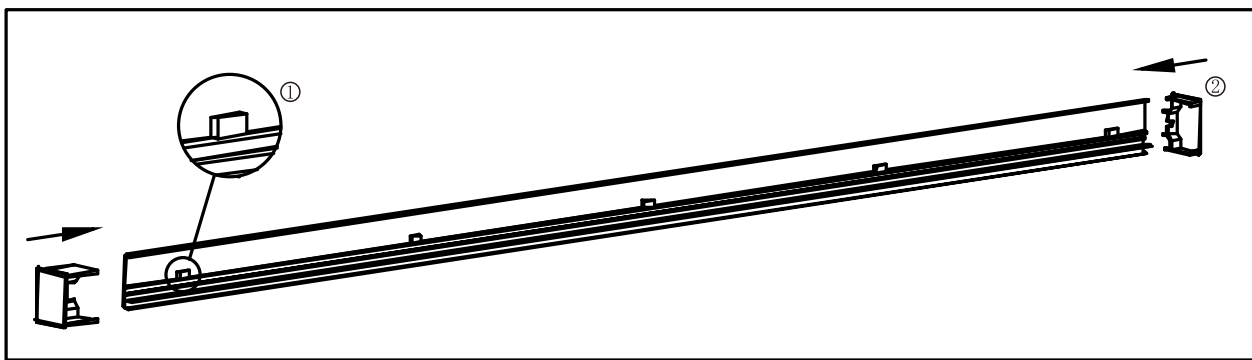




## 7 Installation of cover

- 1、 Paste few 5mm single-sided adhesive tapes inside the cover as the diagram showed ( with same distance ) ;
- 2、 Insert the two end caps into the cover ( the longer side should correspond with the power supply position on the wall);
- 3、 Put the plastic strip on, cut the rest;
- 4、 Put the cover on as the diagram showed

Note: This step should be after the electrical connection and adjustment.

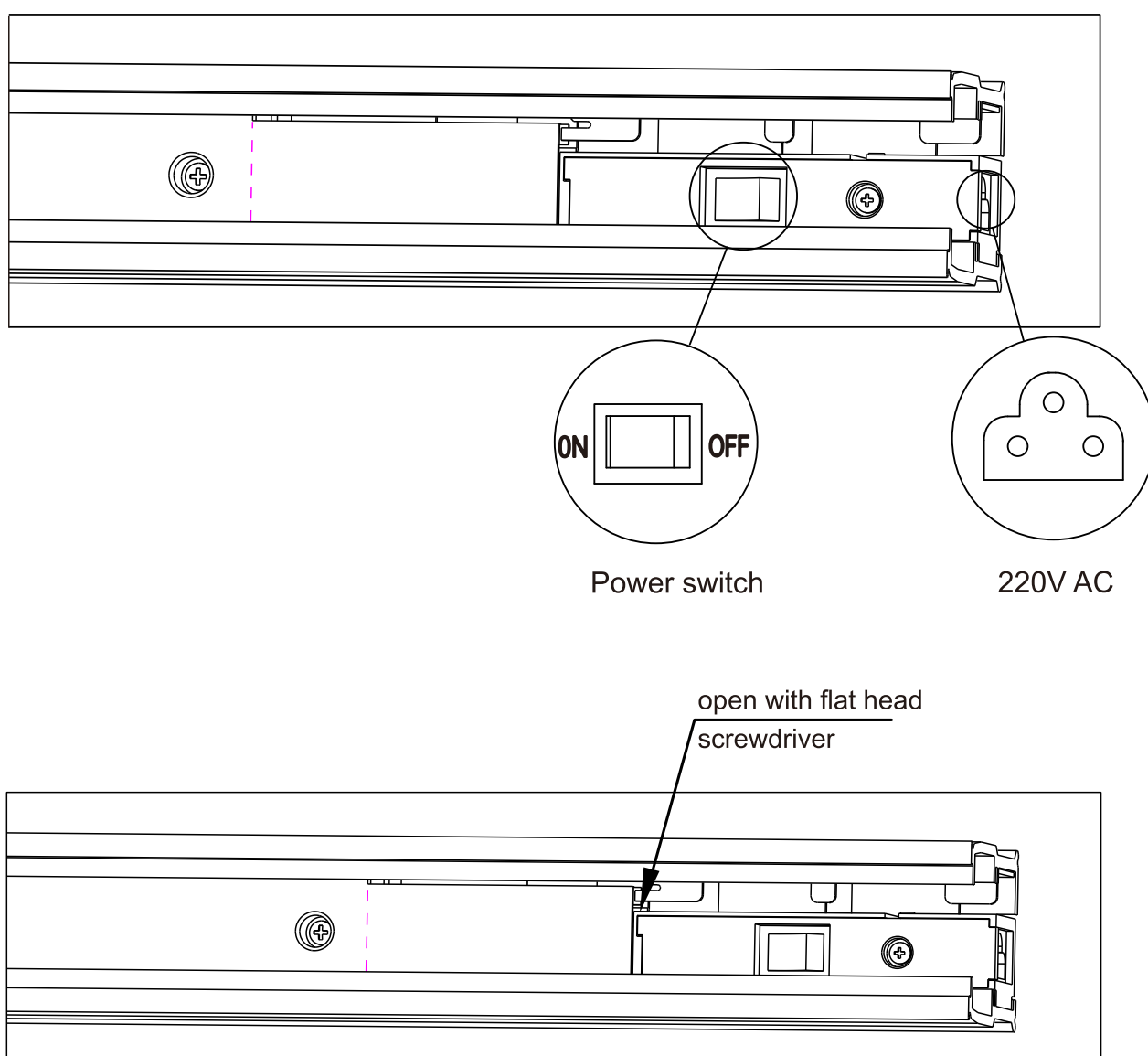


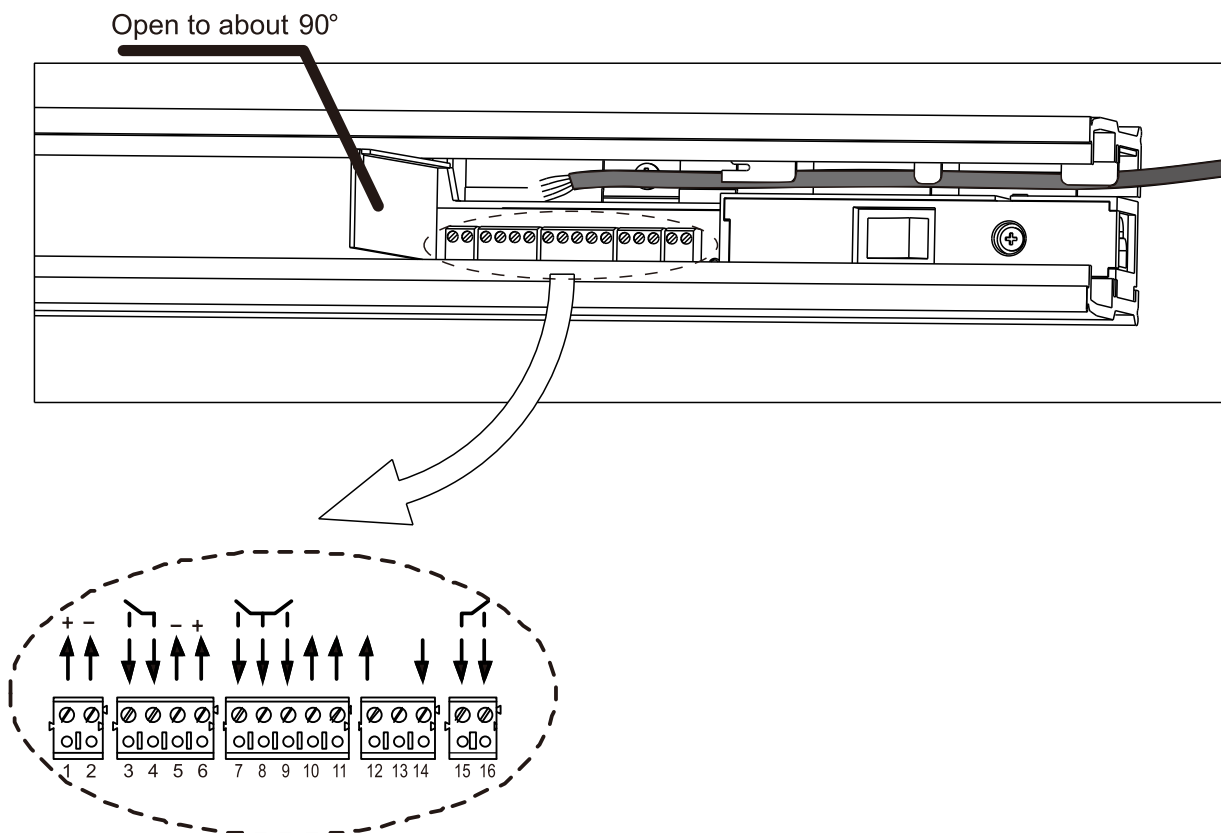
## Chapter 4 Electrical part

### 1 Electrical connection

Open the plastic cover as the diagram showed, wire the sensor, photocell, access control to the terminals(refer to"Terminals function") .

You can pull the terminals out first, then put the wires inside the groove after wiring.

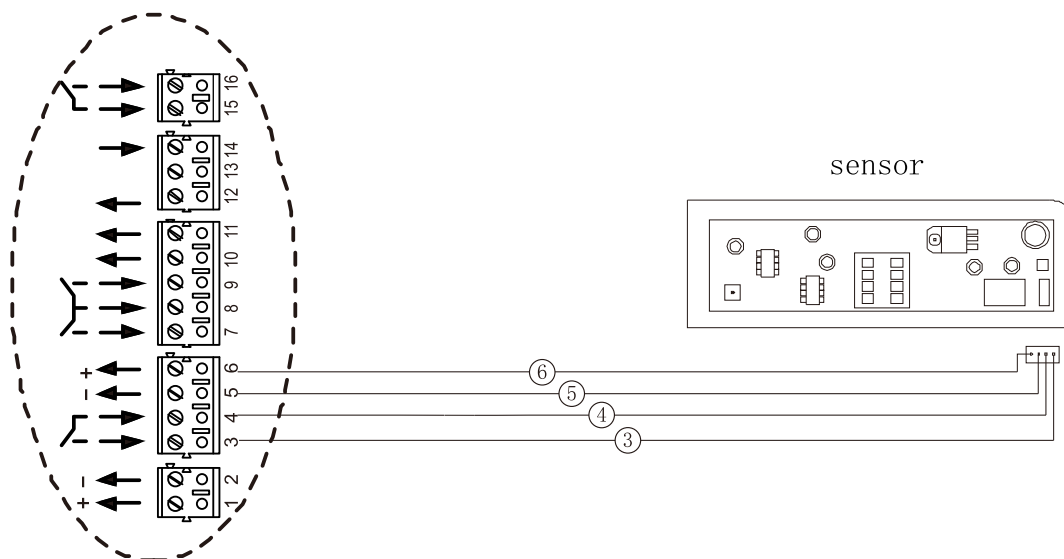




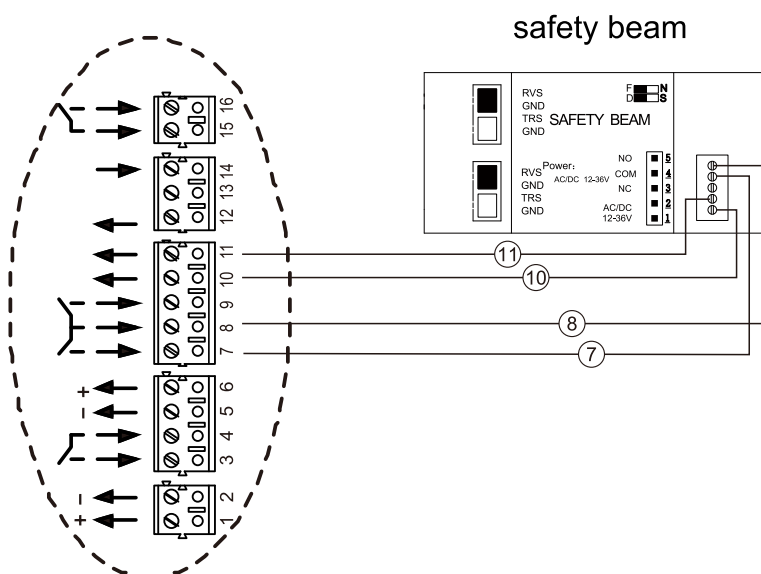
### Connection terminal function

1. electric lock +
  2. electric lock -
  3. Sensor input
  4. COM
  5. GND
  6. +24V
  7. Safety beam input
  8. COM
  9. Access control input
  10. GND
  11. +12V
  12. Double door SYNC output
  13. Double door SYNC COM
  14. Double door SYNC input
  15. Locking input
  16. Locking input
- Set the door to "keep close" mode though bluetooth APP or connect terminal 15 and 16, when the door is closed, output +12V

## 2 Connection of sensor

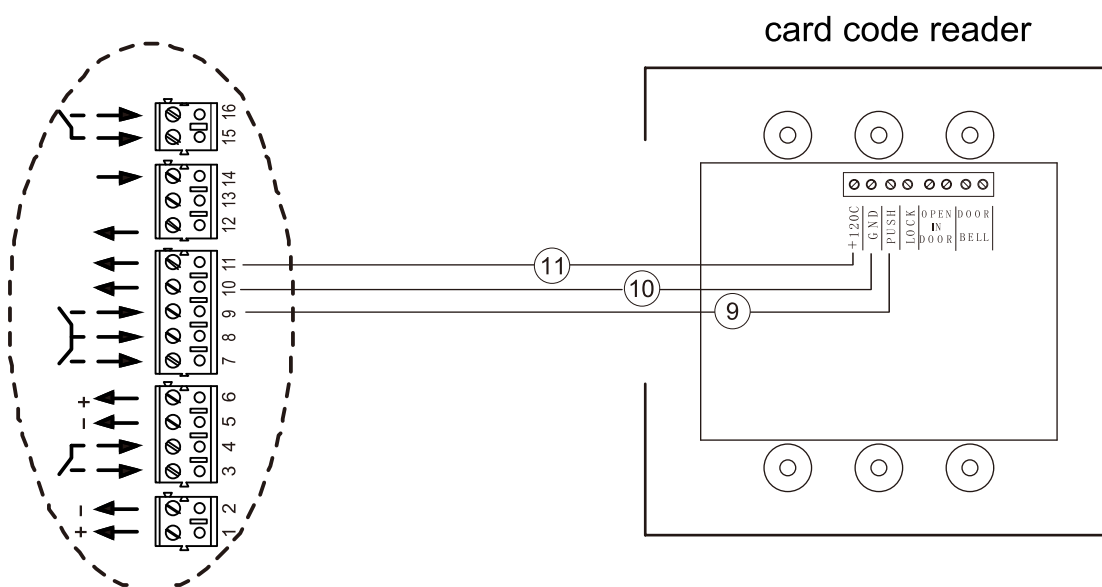


Note: All the operation must be with power off.



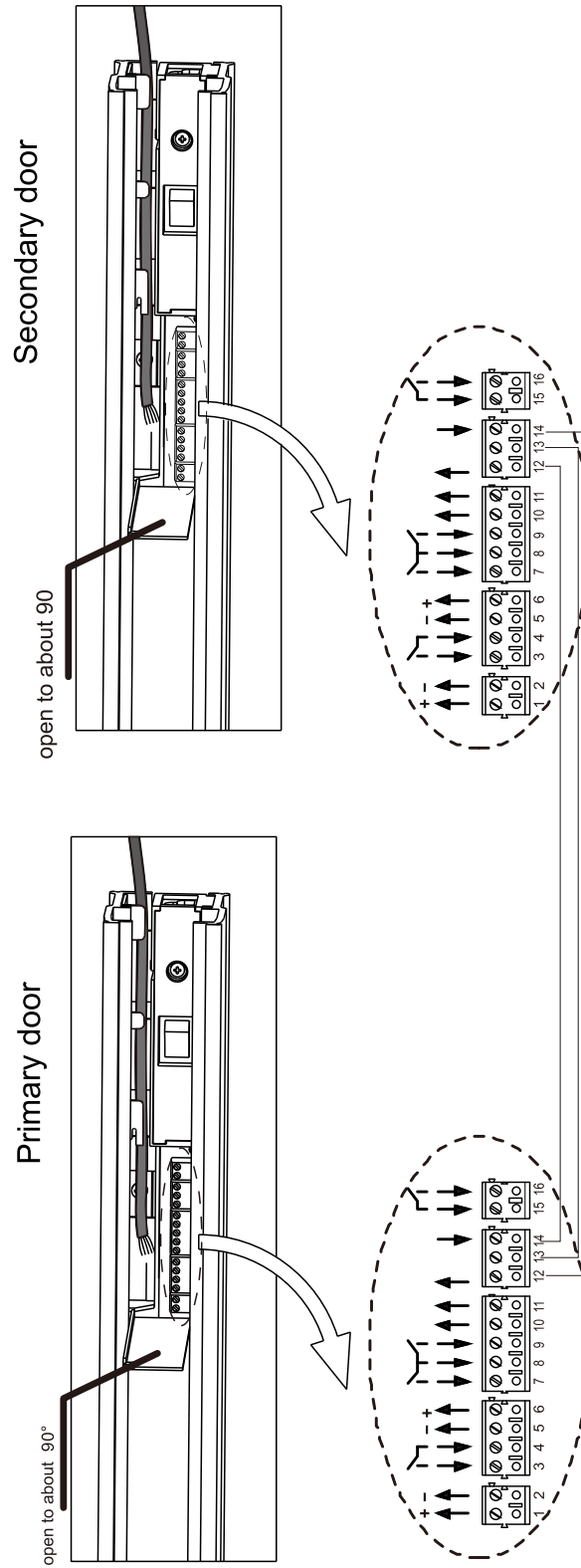
#### 4 Connection of access control

1. All the operation should be done with power off.
2. Check the positive and negative anodes
3. Make sure the access control is passive



Note: If the access control power consumption is more than 2.4W, it will need 12V DC power from other device, DO NOT take the power from the door controller.

## 5 Connection of double doors



## 6 Power on test

1. Turn the power on, the door will go towards the opening direction slowly, after its meeting the stopper, it will go back to the closing direction slowly, when it meets the other stopper, the door will stop running.
2. Normally the door will run as below



## Chapter 5 Bluetooth debugging

1. Download the bluetooth APP and install it, search for "Maglev" or scan code to install it.
2. Open the APP, click the re-search button, search and connect the bluetooth device "MAGD-XXXX", "XXXX" is the device (Maglev door) number.
3. Input the password to enter the debugging interface (the initial password is "0000"), and set the door state as Open, Closed or Automatic (please set it to "Automatic" state to facilitate debugging for the first time);
  - Open: the door will open and hold open;
  - Closed: sensor signal is shielded, access control signal is effective;
  - Automatic: sensor and access control signal are effective.
4. If you forget the password, you need to input the verification code and the new password. The verification code is provided by our company.
5. Click the "Manual" button to open and close the door once to observe whether the running state of the door body meets the requirements. If not, click the "set" button to enter the setting interface, and the following parameters can be set:
  - (1) opening speed: adjust the opening speed from 0 to 7;
  - (2) closing speed: adjust the closing speed from 0 to 7;
  - (3) hold-open time: adjust the open time from seconds 0 to 19;
  - (4) door opening braking strength: adjust the braking strength from 0 to 15 to make the door body open naturally and smoothly. If the door shake when opening, the parameter will be increased; if the door cannot be fully opened, the parameter will be decreased.
  - (5) door closing braking strength: adjust the door closing braking strength from 0 to 15 to make the door close naturally and smoothly. If the door shake when closing, the parameter will be increased; if the door cannot close completely, the parameter will be decreased.
  - (6) opening direction: hand push to close the door after installation, then power on, the door body will slowly open and slowly close. If not, change the opening direction;
  - (7) door type: single open (Left or Right open) is to set as single door; Double open the active door is set to be Master door, the driven door is set to be Slave door, and all the open signal is connected to the Master door.





MAGLEV DOOR MODEL:DZ-08

