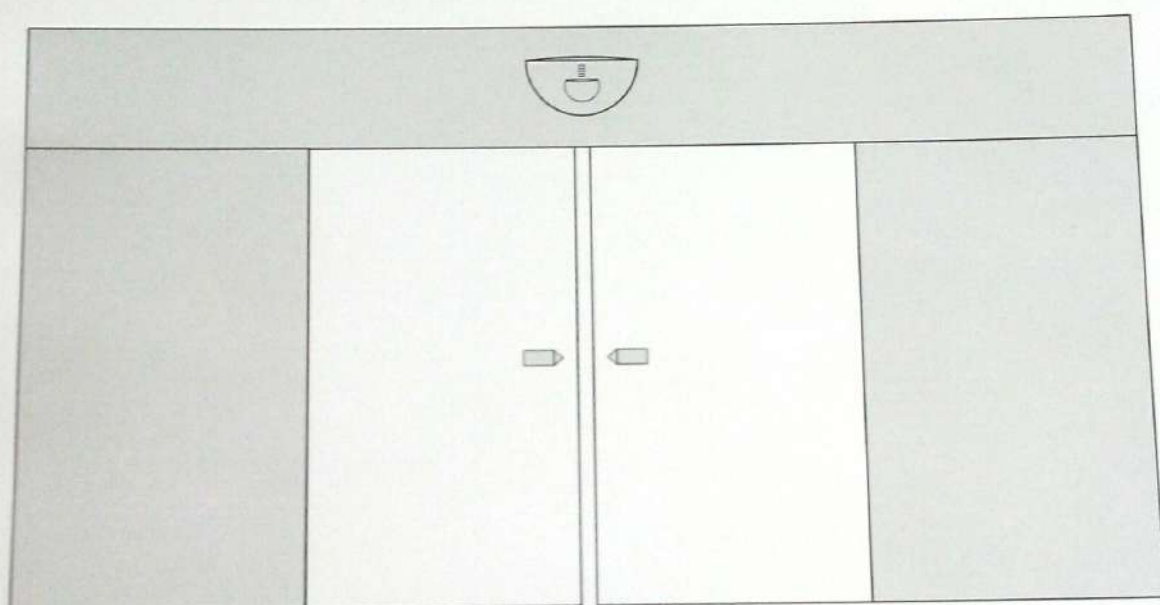


# Automatic Sliding Door System



Construction specification

## Product features, technical parameters

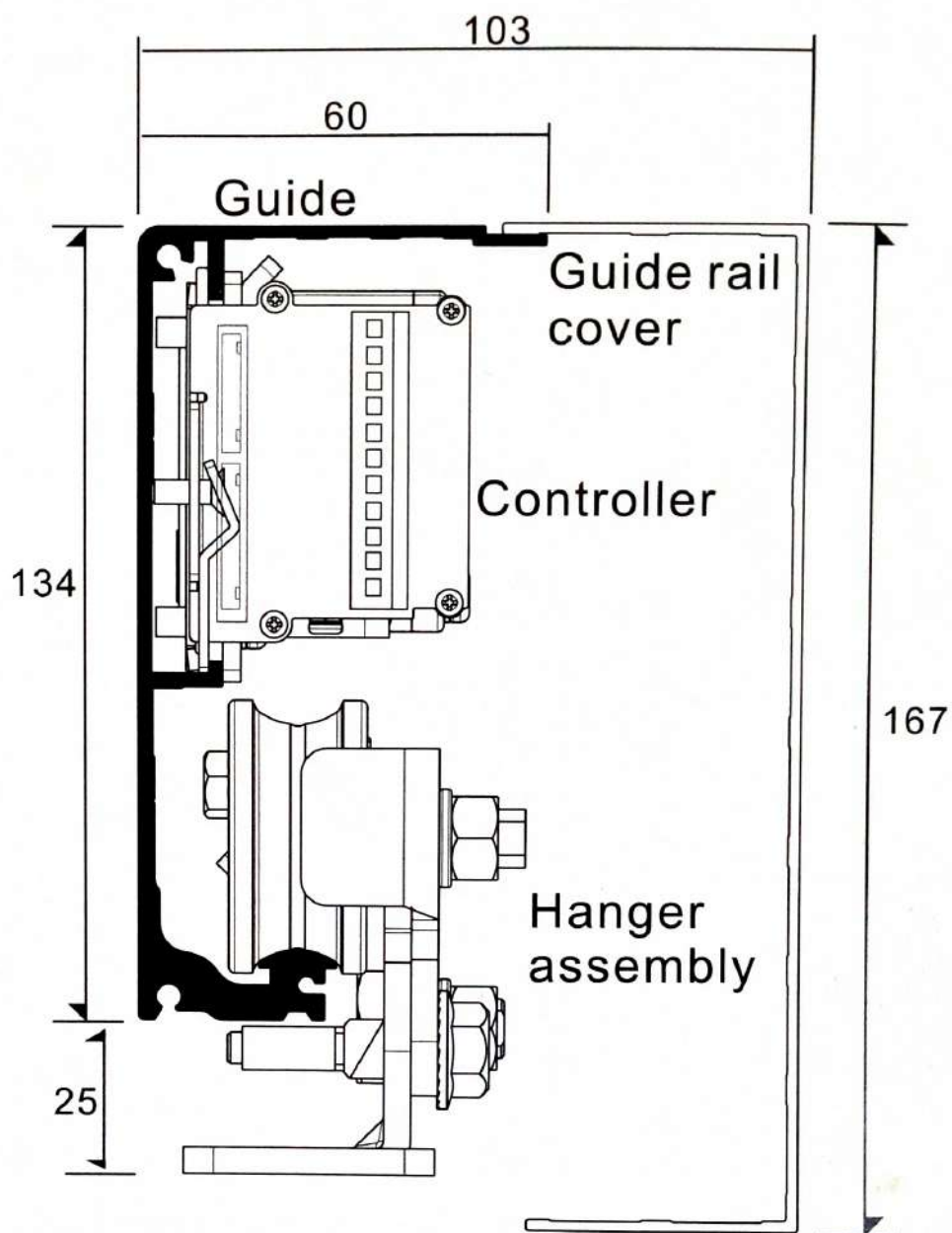
### I、Features

1. Microcomputer intelligent control, self check and adjust operation state of the door.
2. Digital manual adjustment switch, ensure accurate operation of the door.
3. Precision parts processing, running more smoothly.
4. Brushless DC motor, imported lubricating oil, low noise, long life.
5. Built in wide voltage type dedicated switching power supply, to adapt to local voltage.
6. Rich interface, support for most sensors, access control system.
7. The wireless remote control and wired program switch, lock permissions, convenient operation.
8. Double interlocking, suitable for use in special places.
9. Half open adjustable mode, suitable for use in special places.
10. It can be very convenient to control the Internet with the central control equipment.

### II、Parameter

Model	F-150W1	F-150W2
Type	Single	Double
Weight	Max:150KG	Max:150KG*2
Width	DW=750-1600mm	DW=650-1250mm
Clearance	W=1500-3200mm	W=2600-5000mm
Installation	Surface mount	
Voltage	AC:90~250V 50/60Hz	
Power	Less than: 100W	
Motor	DC24V 75W	
Opening speed	15~55cm/s	
Closing speed	13~50cm/s	
Opening amplitude	Fully / Half (Half adjustable)	
Temperature	-20~+50℃	

## Section schematic



Units: mm



## Construction process

Ready



Foundation



Main body



Electrical wiring



Automatic door unit

Assembling and installing front  
(door frame part)



Motor, controller, tail wheel installation



Door hanging



Connection of electrical wiring



Inspection after construction



Adjustment of running state


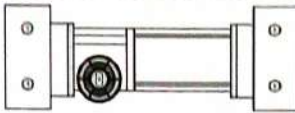
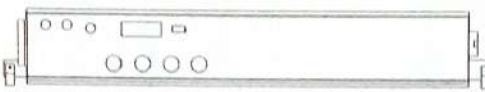
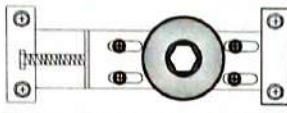

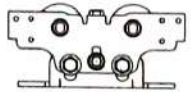
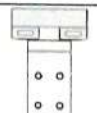
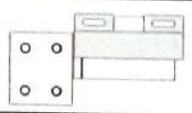





Check after running state adjustment



Delivery use

## Kit list

Name	Diagram	Number	
		Single	Double
Guide		2.1m*1	4.2m*1
Motor		1	1
Controller		1	1
Tail wheel		1	1
Switch		1	1
Hanger		2	4
Belt rack (Above)		-	1
Belt rack (Below)		1	1
Limiter		2	2
Belt		3.5m*1	7m*1
Screw package		1	1
Badge		2	4
Certificate Warranty Instructions		1	1

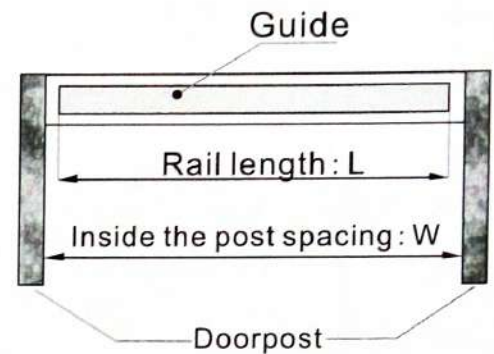
# Cutting and installing of guide rail

## I 、Cutting

The rail standard length is 4.2 meters / strip scale packaging, also can be customized according to customer requirements for processing cutting, the specified length (such as the common 2.1 meters \*2 package).

Rail cutting length:  $L=W-10\text{mm}$

W: Inside the post spacing



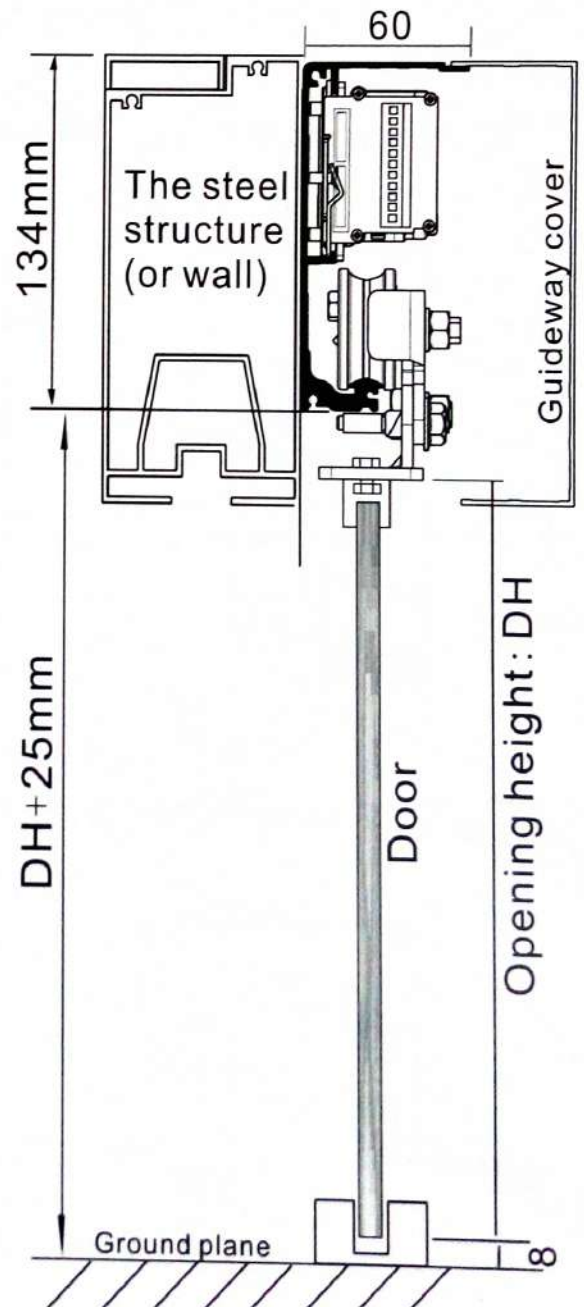
## II 、Install

The guide rail is arranged on the  $DH+25\text{mm}$  from the ground height (to guide lower calculation).

1. In the guide, the steel structure (or wall) drilling, in order to install guide.
2. With level measurement of both ends of the guide rail level.
3. The rail ends temporarily each with one screw fixed to the steel structure (or wall).
4. Again after screw (or M8 expansion bolt) will eventually guide rail fixed on the steel structure (or wall).

### Attention:

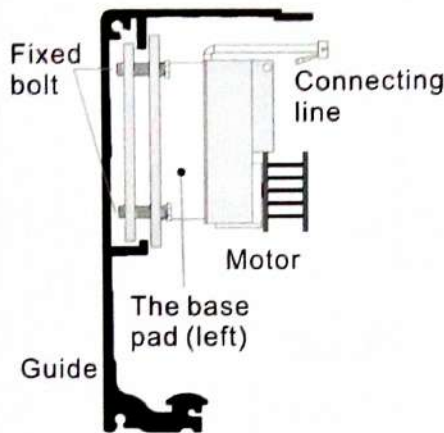
1. The guide must level.
2. The height of the door leaf: DH.
3. Above the rail clearance height is greater than 50mm.
4. The screw will fight to the end, not head up.





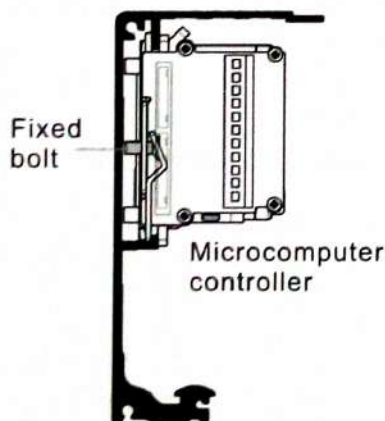
# Motor, controller, tail wheel installation

## I 、 Motor installation



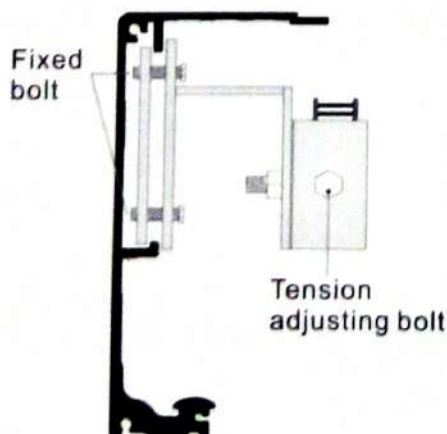
1. Fixed bolt pad base motor assembly left and right side of the pine.
2. The rubber pad is embedded in the groove at the right end of the rail.
3. The motor is inserted into the groove at both ends of the rubber pad.
4. Adjust the base pad to the proper position, tighten the fixing bolts.
5. The connecting wire from the motor above led to the controller side, without breakage.

## II 、 Microcomputer controller installation



1. The fixed bolt automatic door side loose microcomputer controller.
2. The controller is embedded in the guide groove.
3. Controller is adjusted to the proper position, close to the motor, tighten the fixing bolt.
4. The motor connecting wire is inserted into the controller on the right side of the socket, not stretched too tight.

## III 、 Tail wheel installation



1. The fixed bolt lateral tail wheel assembly loose.
2. The left rear wheel guide groove embedded components.
3. Adjust the rear wheel assembly to the proper position, slightly tighten mounting bolts. (installed after the final tightening belt. )


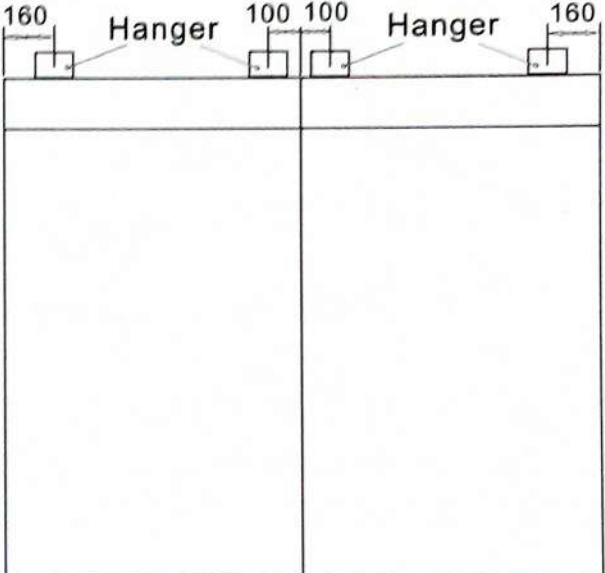
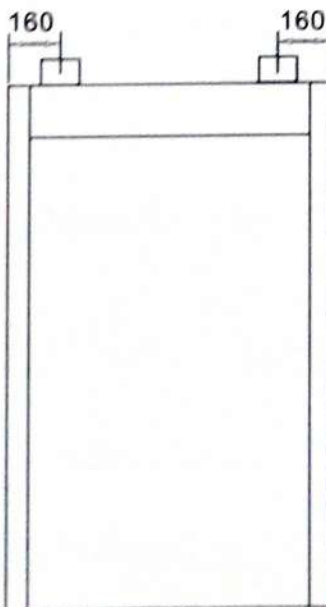
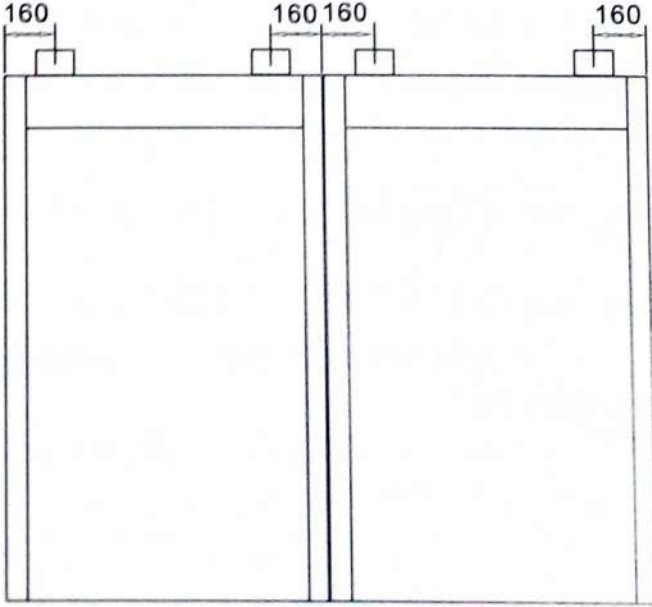
# Hanger installation

## I 、 Installation Steps

1. According to the custom of leaf shape and material, installation planning hanger.
2. The hanger is arranged at the proper position of the door leaf.
3. The door leaf hanging on the track.
4. The anti off bolts on the hanger.

Note: install the same set of hanger, must confirm the two straight, the top of the door, the door leaf, and parallel guide pulley.

## II 、 Installation position

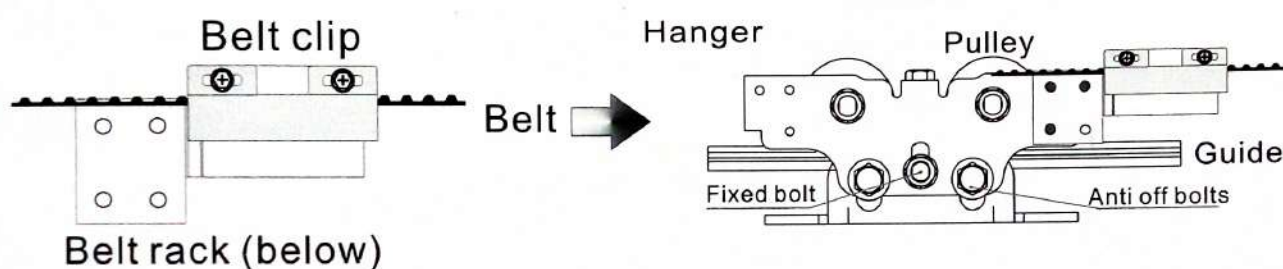
	Single	Double
Frameless		
Frame		



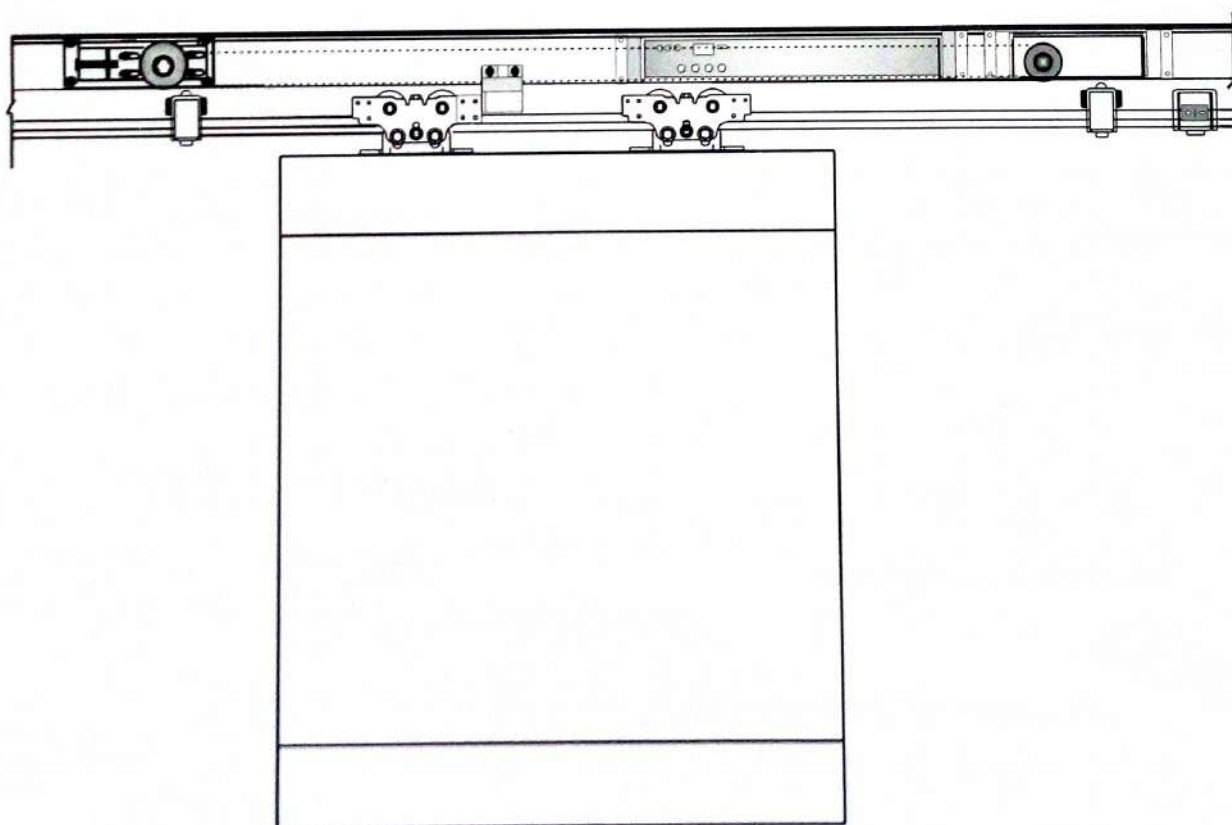
# Belt installation and adjustment

## I 、 Single door installation

1. The reference table will cut the length of the belt, the belt from the bottom of the center.
2. The ends of the belt cutting head in the center position of the belt clip, no distortion.
3. The belt clip firmly mounted to the belt rack (below), the direction of attention.
4. The pulley belt will hang on the side of the motor, and then linked to the tail wheel.
5. The belt rack (lower) assembly is mounted on the hanger.



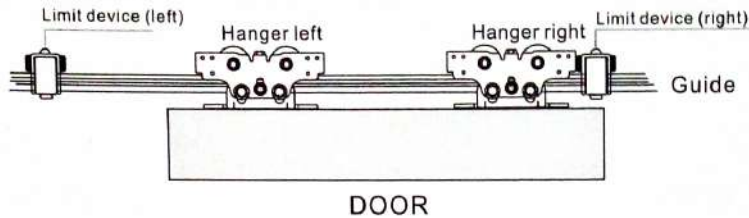
## II 、 Single open belt clip installation position



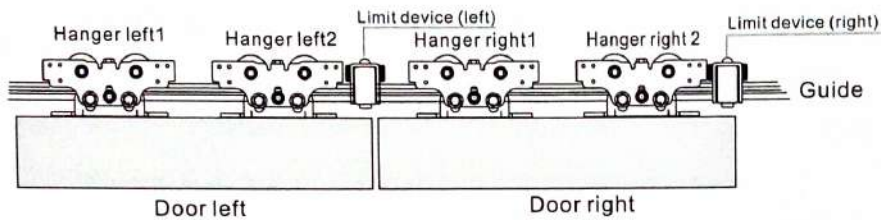
# Stopper, anti-sway installation

## I 、 Installation of limit device

### 1. Single open type



### 2. Double open type

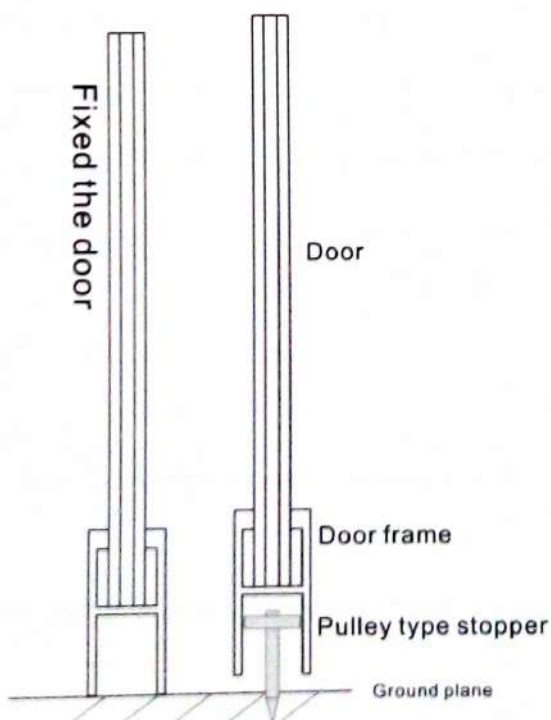


### Installation steps:

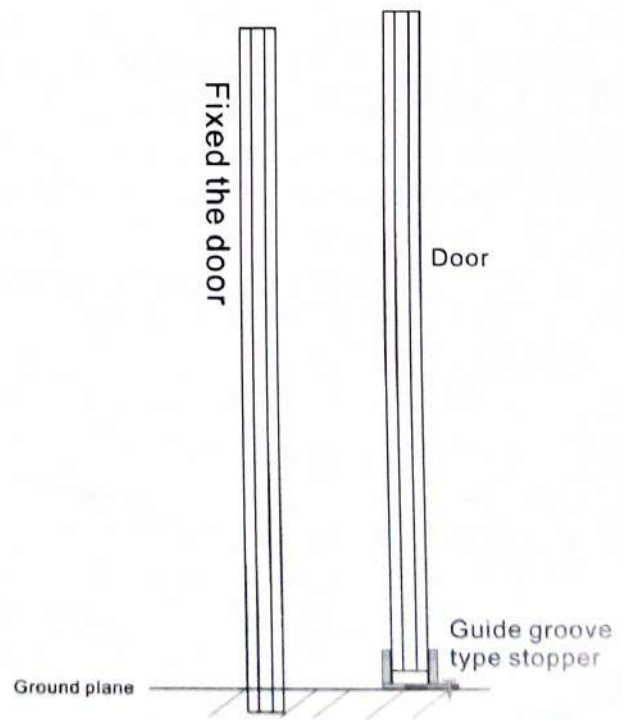
1. Fixing bolt of loosening limiter.
2. Embedding the stopper to the guide rail.
3. Mobile door, confirm the opening and closing position, ensure the stopper pad touch hanger.
4. Fixing bolt of tightening limit device.

## II 、 Installation of stopper

### 1. Framed door



### 2. No Frame door



1. Shimmy damper installed on the movable door of the central.
2. Two shimmy damper between the center distance must be less than two of the total leaf width of  $2DW$ .



# Electrical connections

## Microcomputer controller and motor, power switch connected:

1. Electrical connection operation to ensure that the city is not connected.
2. Check the connection plug in place, there is no loose, no back line.
3. After the connection is good, the arrangement, the tie beam good wire rod, must not have the broken skin, the loose hangs, in order to avoid leakage, electric shock hazard.

