■ Feature
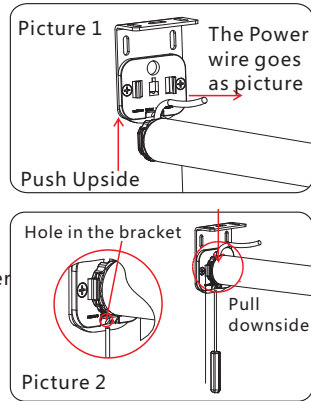
* Patented quiet design ;
* Super narrow 8mm only drive side, the fabric is 13mm
  space to the wall;
* Precise and stable electronic limit, no accumulated error;
* Stop against block/hindranc to protec the whole motor;
* Remote setting of limit, programming, very convenient;
* 2 Intermediate stop limits ;
* Dry contact for external low voltage controlling ;
* RS485 BUS controlling for automation system to feedback the status of motorized curtain.
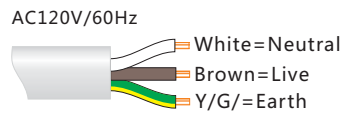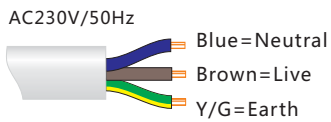
■ Attention in installing

* No water drop into the motor;
* No rain exposed ;
* Do not knock or hammer onto the motor ;
* Do not exposed to erosive substances。

■ Bracket of Super Narrow Space

1、Installing : Put the motor driving side oppositeto
   the bracket as picture, and do not damage the power wire,
   push the motor upside and it makes very clear sound
   in case the shaft bounce out from the hole of bracket.
   That's to say the installing is done.

2、uninstalling of the bracket: from downside, the screw driver
   goes inside the hole to the most deep, and then take
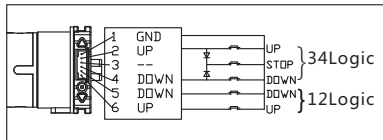   the motor out from the bracket.

Picture 1 — The Power wire goes as picture
Push Upside

Hole in the bracket
Pull downside
Picture 2

■ Wiring of Power

AC230V/50Hz
Blue=Neutral
Brown=Live
Y/G=Earth

AC120V/60Hz
White=Neutral
Brown=Live
Y/G/=Earth

Wiring Diagram of Dry Contact

12 Logic and 34logic wiring

```
1 GND
2 UP
3 --       UP
4 DOWN     STOP    } 34Logic
5 DOWN     DOWN
6 UP       DOWN    } 12Logic
           UP
```

34 Logic and Rs485 Wiring

```
1 GND
2 UP
3 --       UP
4 DOWN     STOP    } 34Logic
5 485-A    DOWN
6 486-B    } RS485
```

Function of 6P6C

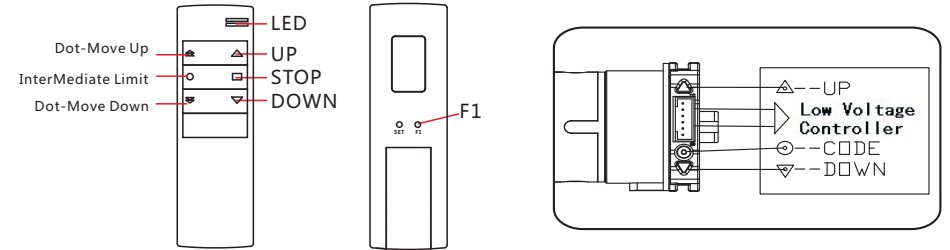| PIN	DESCRIPTION
1	GND
2	CLOSE(34)
3	OPEN/STOP/CLOSE/STOP
4	OPEN(34)
5	CLOSE(12)/RS485-B
6	OPEN(12)/RS485-A

Attention：1、The logic ON is dry contact pulse signal，Duration is100-200ms.
2、Special instruction of Rs485 should be told prior to production.

■ Buttons in the remote

Dot-Move Up
InterMediate Limit
Dot-Move Down

LED
UP
STOP
DOWN

F1

---UP
Low Voltage Controller
---CODE
---DOWN
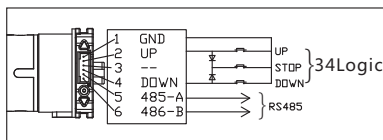
Remote Controller   Buttons in the remote

■ Function setting

Function	1st	2nd	3rd
Program code	Option1 : Press [⦿] about 2 seconds, — LED stays illuminated enter setting mode,	Press the UP button in the remote	The LED flashes 3 times and motor moves slightly to tell the setting is done.
Clear code		Witin 15 seconds, press the Round button/Code button more than 3 seconds.	
Reverse moving	Option2 : 	Press the DOWN button in the remote.	
Shift of Dot-Move and Normal Move	Within 3 seconds after the power on,Press [F1] in the remote, — The LED stays illuminated and enter setting mode.	Within 15 seconds press the Stop button	

■ Limit setting

1、How to Enter the limit setting mode

Option 1

Press and hold[▲][▼] simultsneously about 3 seconds.

The motor moves slightly and the LED gets illuminated.

Option2

Press [F1] and stop buttonin the remote about 5 seconds.

The motor mores slightiy and enters limit setting mode.
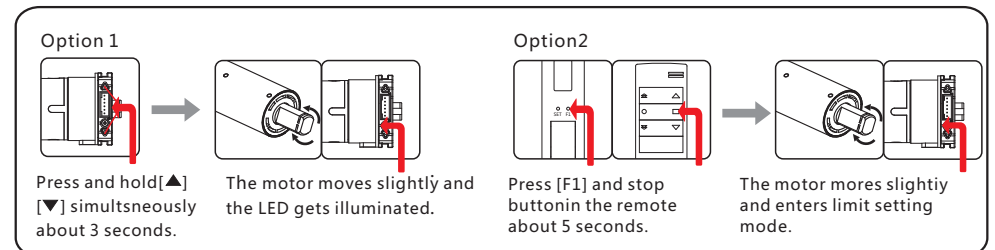
2、Limit Setting（Understand Limit settingmode）：Set 1st limit.

Press[▲]or the UP button in the remote.

The motor arrive at A position.

Press [◎]or [F1] button in the remote.

The motor moves slightly and the LED flashes 3 times butstill stays illuminated.
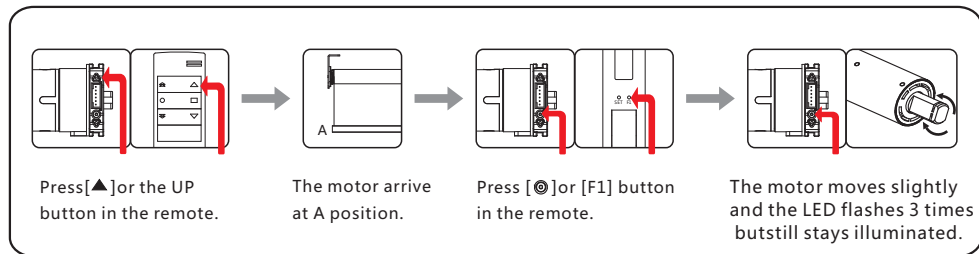
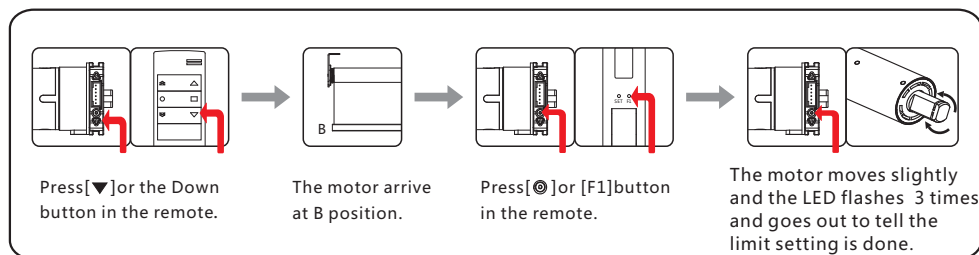## 3、Limit setting(under limit setting mode)：Set the 2nd limit

Press[▼]or the Down button in the remote.

The motor arrive at B position.

Press[◎]or [F1]button in the remote.

The motor moves slightly and the LED flashes 3 times and goes out to tell the limit setting is done.

■ Clearing of Limit（Enter limit setting mode）：

Press [◎]button until the LED gets red.

The motor moves slightly.

Press [◎]Button again.

The move moves slightly to tell it is done.

■ Intermediate Limit setting

Press and hold the F1 and UP button simultaneously about 1 second till the LED gets red.

The motor moves slightly and enter the intermediate limit setting.

Press Up or Down button to arrive the 1st intermediate limit.

Press F1 to confirm the 1st intermediate limit.

The motor moves slightly to tell 1st intermediate limit is done.

Operating:

Press Up or Down button to arrive the 2nd intermediate limit.

Press F1 to confirm the 2nd intermediate limit.

The motor moves Slightly to tell 2nd intermediate limit is done.

Press the intermediate limit button to arrive at the 1st intermediate limit.

Intermediate limit

Clearing of Intermediate limit：

Press UP and F1 button in the remote simultaneously more than 1 second.

Motor Move slightly.

Press F1

Motor move slightly again.

Press F1 again.

Motor move slightly and the intermediate limit is cleared.
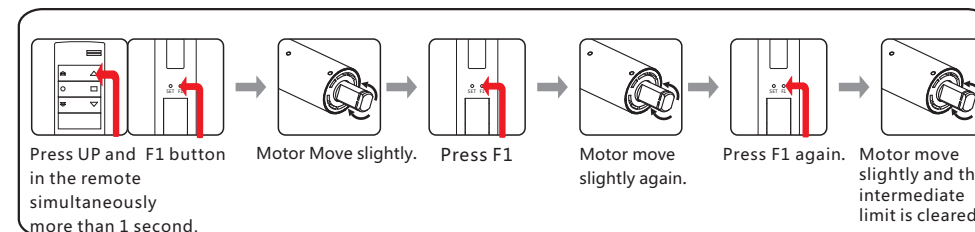
Block/Hindrance of Moving：

If the moving of motor is blocked by something, and the motor can not go further，the motor will move reverse direction about 50mm, and move again its previous direction.
To try whether the motor can escape the block/hindrance. If the motor cannot get rid of the block/hindrance, it will stop automatically to protect the motor.

■ Trouble Shooting Guide

S/N	Trouble	Problem	Solution
1	Motor doesn't move or move slowly	A、No Voltage or insufficient voltage B、Overload C、Some acessories is stuck	A、Check Voltage B、Get new motor with suitable torque C、Check the accesories installing
2	Motor doesn't move, or move to single direction or move very little	End of Limit	Re-set the limit
3	Sudden stop of moving	Overheated	Cool about 30 minutes and recover to work.
4	The Fabric is rolling to one side	A、The Fabric is not well attached to the tube B、Not well adjust of fabric in tube C、The Fabric is not well cut	A、Adjusthe tube and fabric attaced B、Rework to attached the fabric C、Rework the fabric cutting
5	Move as Dot-Move	Work under Dot-move mode	Shift to normal mode
6	Move to the opposite direction as remote controlling	Reverse moving setting	Correct it by reverse moving setting