AC powered AM75 drapery motor operation guide

Features

- **Bi-voltage power supply:** AC100~240V, available for global countries
- **Tandem connection:**wired several motors together via RJ12 for group control.
- **Stop on block:** motor stops automatically to protect the whole system when meeting resistance
- **Light touch function:** after power on, pull the curtain slightly about 5cm, curtain will open/close automatically
- **Manually operation:** When the power off, free to open or close the curtain as manually
- **Flexible quiet design:** high-precision drive, leading intelligent design, beside, slow open and close make it quiet and smooth moving
- **Various control:** According to the application, with option of RF control, hard wire, RS232/485 bus line control etc
- **Remember limits:** Motor remember the first open and close stop, and keep no hit on the parts for longer life usage, even the power off and on again

Parameters

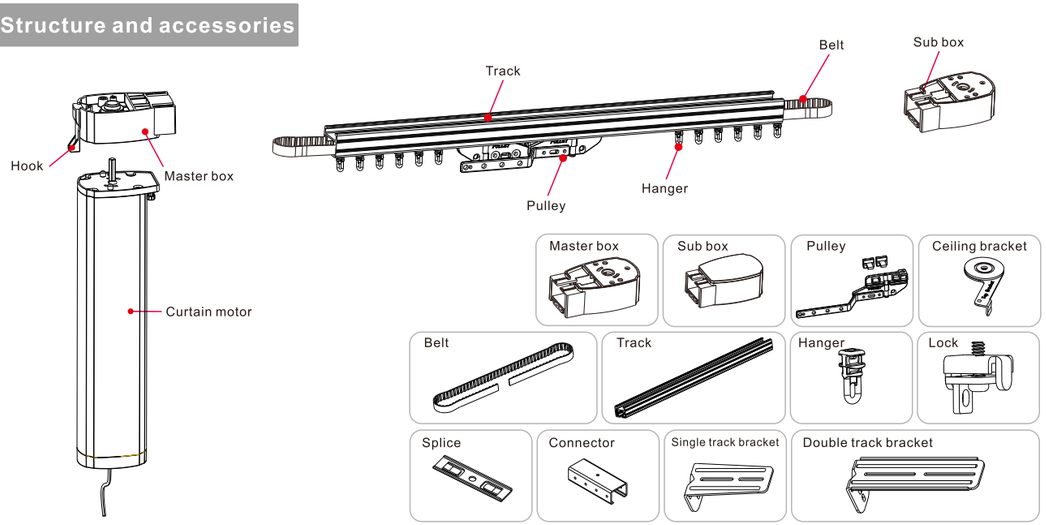
Model number	Rated torque	Speed	Housing size	Rated voltage	Rated power	IP level
AM75-1.5/100-EM-P	1.5N.m	14cm/s	53×67.5×293mm	AC100-240V 50/60Hz	65W	IP20
AM75-1.5/100-EM-QP	1.5N.m	14cm/s	53×67.5×293mm	AC100-240V 50/60Hz	65W	IP20
AM75-1.5/100-EM-GP	1.5N.m	14cm/s	53×67.5×293mm	AC100-240V 50/60Hz	65W	IP20

Diagram

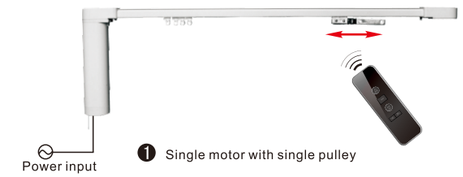
Track and pulley / Fabric weight / Track length	Double pulleys	Single pulley	Double pulleys	Single pulley	Double pulleys	Single pulley	Double pulleys	Single pulley
			R500	R500	R500	R500	R3000	R3000
4m	60kg	50kg	45kg	40kg	35kg	30kg	31kg	21kg
8m	55kg	45kg	40kg	35kg	30kg	25kg	21kg	16kg
12m	50kg	40kg	35kg	30kg	25kg	20kg		

Fabric weight = weight per unit area(Kg/㎡) Xcover area(㎡) Xfolding rate
Remarks: Max. loading capacity in diagram above does not include friction between track and accessories or others

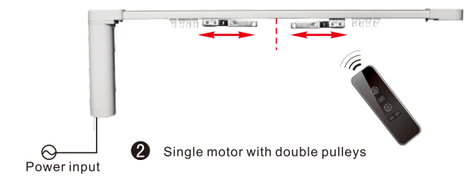
Structure and accessories



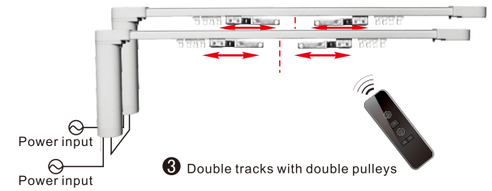
Solution



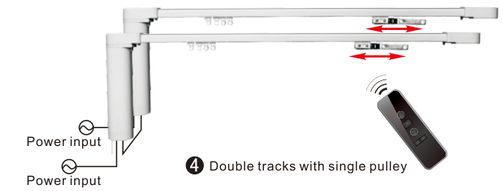
❶ Single motor with single pulley



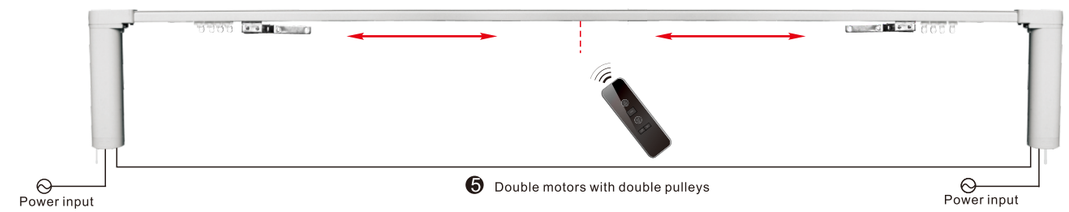
❷ Single motor with double pulleys



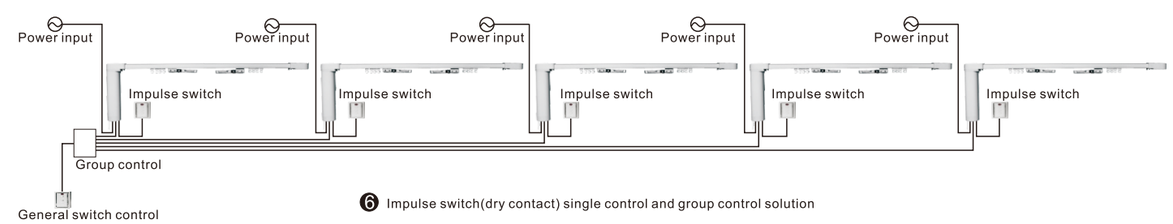
❸ Double tracks with double pulleys



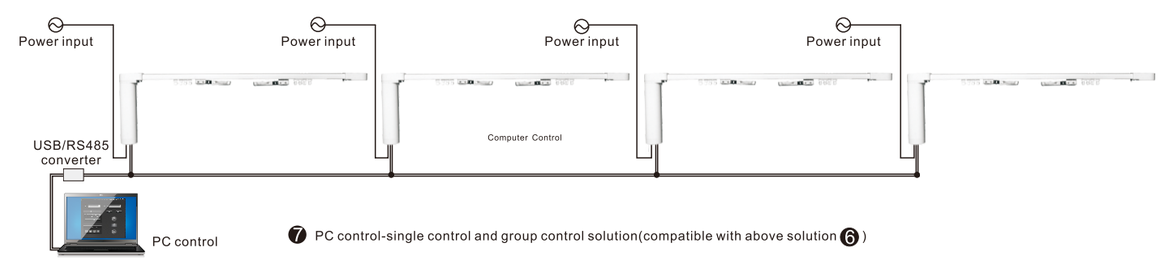
❹ Double tracks with single pulley



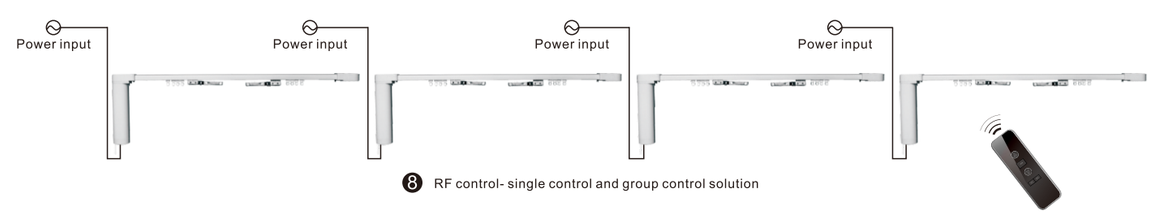
❺ Double motors with double pulleys



❻ Impulse switch(dry contact) single control and group control solution

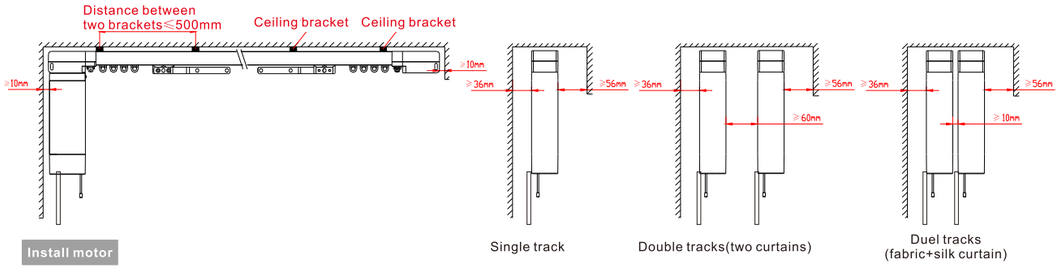


❼ PC control-single control and group control solution(compatible with above solution ❻)

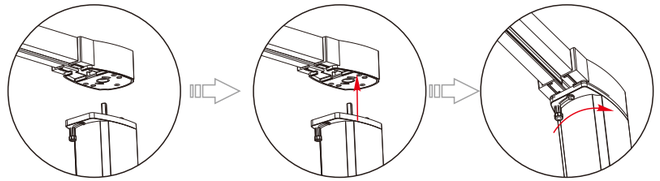


❽ RF control- single control and group control solution

Installation and wiring



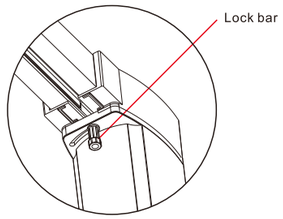
Install motor



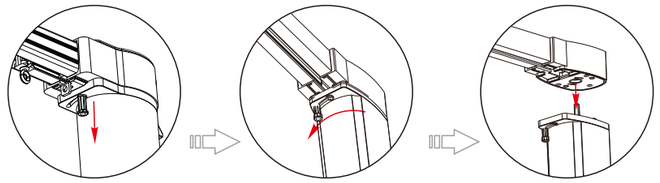
1.Please check and keep the lock bar at the left side as the image

2.Insert the motor to main box

3.Slide the lock bar and make sure it is in the limit hole on the right



Remove motor



1.Pull the lock bar and make it slide out of the limit hole

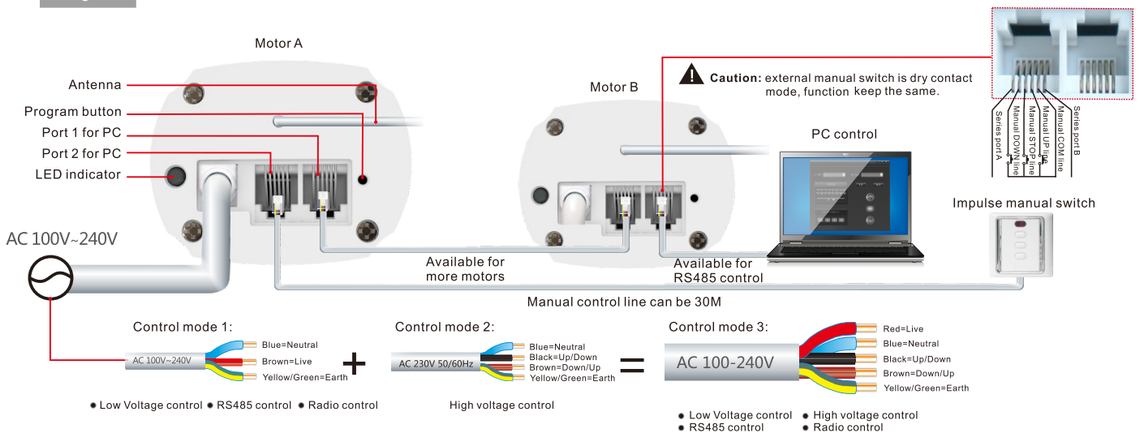
2.Slide to the left

3.Removing motor

Caution

- Please follow the installation drawing above
- Make sure the lock bar in the correct position as image
- Ceiling must be stong enough to hold the track, motor and curtain

Wiring



Functions

Automatical remenber journey	Motor stop at the open and close ends during the first operation,and keep it as the stop journey
Over current protection	Able to effectively avoide electric parts burnt or damage with over loading, and its coming fire damage. If there are two times short circuit caused by over loading in 1min, the red indicator light, the motor enter into proection mode. It has to be repower to start again

Operation instructions

Please select channel for multi-channel transmitter before operation
0.5s is needed for up/down converting, max single running time is 4 min

1 Programming

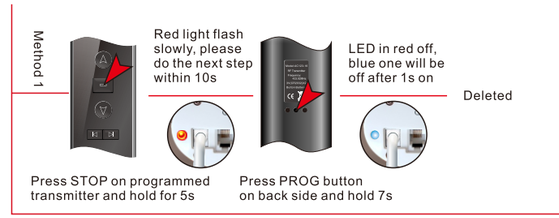
2 Changing direction

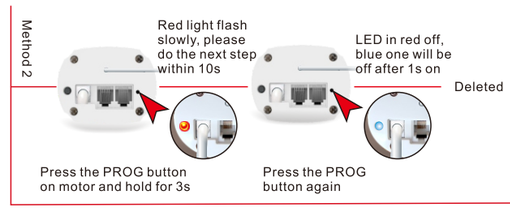
3 New transmitter adding

4 Single code deleting

5 All code deleting

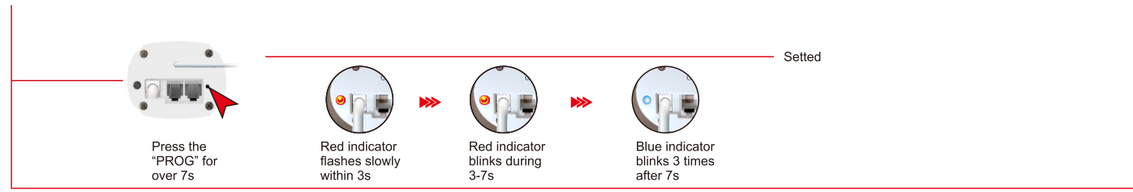
After deleting all codes, all the limits will be gone





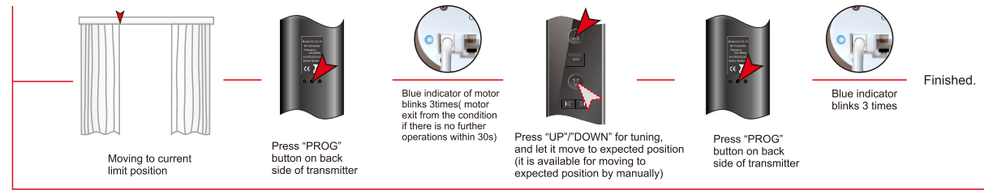
6 Light touch function ON/OFF

Remarks: this function means to pull the fabric about 5cm, the curtain will open or close automatically



7 Limit position fine tuning

After enter limit position fine tuning condition, motor has no light touch-start function, it is available for moving to expected position by manually.



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