Qmotion® uk
advanced shading systems

TPro-30 Motorised Curtain Track System
Set Up and User Guide

TPro-30 Motorised Curtain Track System - Set Up and User Guide V1.1

Features

- AC100-240V, widen voltage input for different voltage power area
- Light touch to start the motor by softly dragging the curtain fabric, it will open or close the curtain automatically
- When the electricity is off, it can be manually operated
- You can set a third limit in the middle between the open and close points
- Soft start and soft stop, quiet and smooth running
- It takes the first open and close position as its stops, and preserves gaps between pulleys and gears to avoid parts clashing.

- **Flexible quiet design:** high-precision drive, leading intelligent design, slow open and close make it a light and smooth operation.
- **Various control:** According to the application, option for RF control, hard wire, Rs485 bus line control etc.
- **Remember limits:** Motor remembers the first open and close stops even after power cuts.
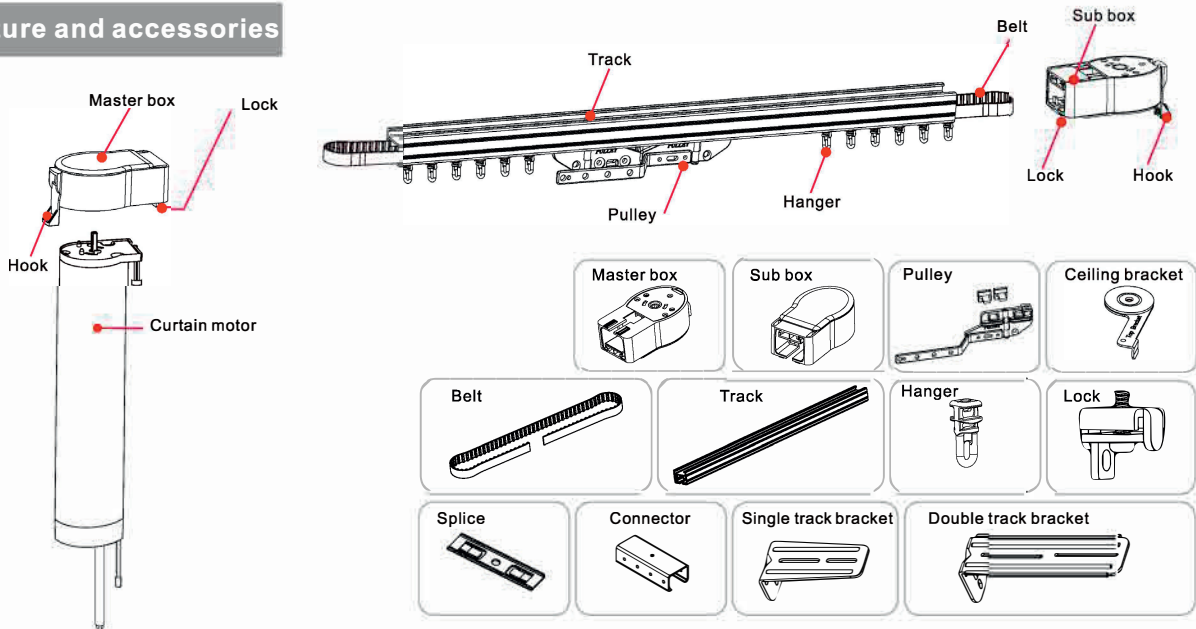
Parameters

Model number	Rated torque	Speed	Housing size	Rated voltage	Rated power	IP level
AM68-1/80-EM-GP	1N.m	14cm/s	310×68×50mm	AC100-240V 50/60Hz	65W	IP20
AM68-2/80-EM-GP	2N.m	14cm/s	310×68×50mm	AC100-240V 50/60Hz	80W	IP20

Loading diagram

Track length / Fabric weight / Track and pulley	Single motor with double pulley	Single motor with single pulley	Single motor with double pulley (R500)	Single motor with single pulley (R500)	Single motor with double pulley (R500)	Single motor with single pulley (R500)	Single motor with double pulley (R3000)	Single motor with single pulley (R3000)
4m	90kg	75kg	67.5kg	60kg	52.5kg	45kg	46.5kg	31.5kg
8m	82.5kg	67.5kg	60kg	52.5kg	45kg	37.5kg	31.5kg	24kg
12m	75kg	60kg	52.5kg	45kg	37.5kg	30kg		

Structure and accessories

Master box, Lock, Hook, Curtain motor

Track, Belt, Sub box, Pulley, Hanger, Lock, Hook

Master box, Sub box, Pulley, Ceiling bracket

Belt, Track, Hanger, Lock

Splice, Connector, Single track bracket, Double track bracket

❶ Single motor with single pulley

Power input

❷ Single motor with double pulleys

Power input
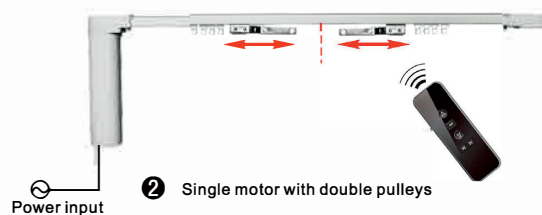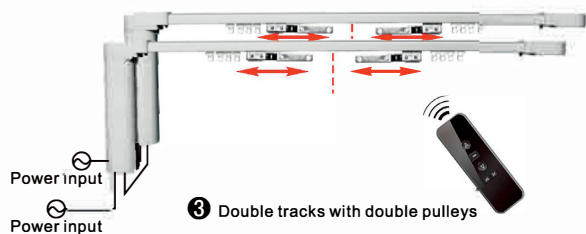
❸ Double tracks with double pulleys

Power input
Power input
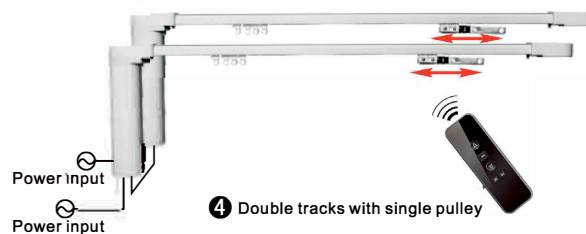
❹ Double tracks with single pulley

Power input
Power input
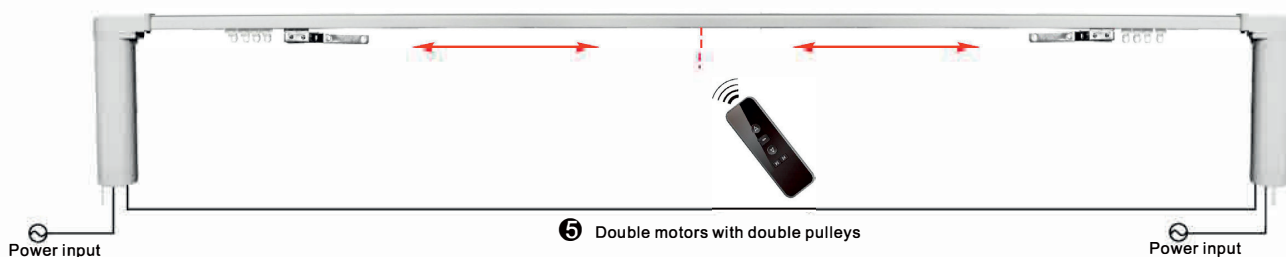
❺ Double motors with double pulleys

Power input
Power input

Power input
Power input
Power input
Power input
Power input

Impulse switch
Impulse switch
Impulse switch
Impulse switch
Impulse switch

Group control

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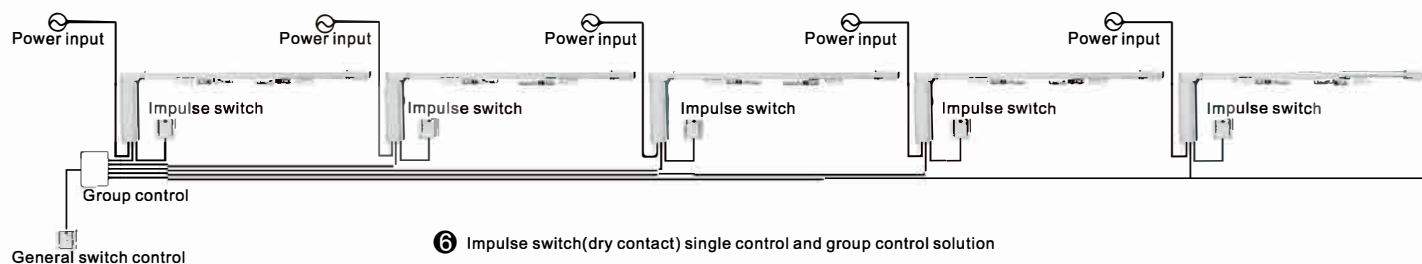
❻ Impulse switch(dry contact) single control and group control solution

Power input
Power input
Power input
Power input

Computer Control

USB/RS485 converter
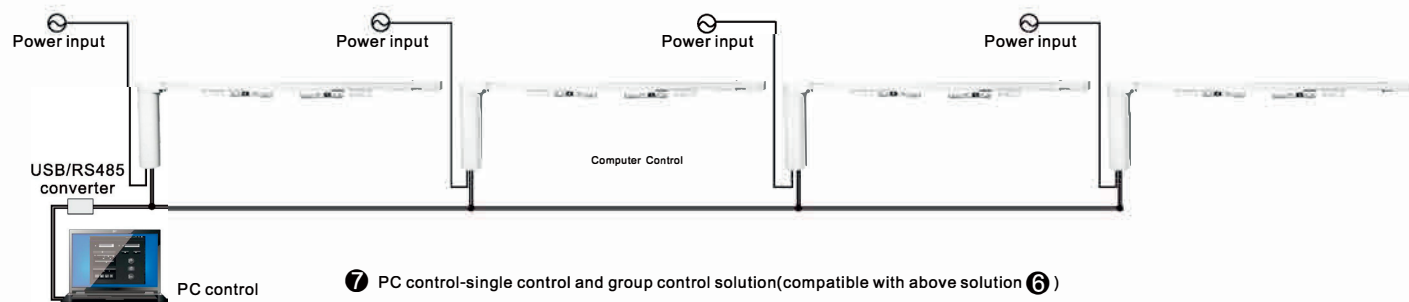
PC control

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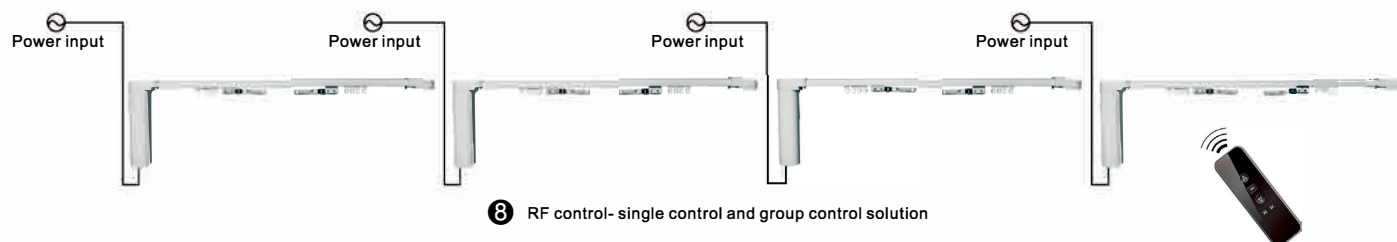
Power input
Power input
Power input
Power input

❽ RF control- single control and group control solution

The distance between two mounting bracket≤500mm

Mounting bracket

≥10mm

≥10mm

≥36mm ≥56mm

≥36mm ≥56mm

≥46mm

Single track installation

Two piece single track installation (Double curtain)
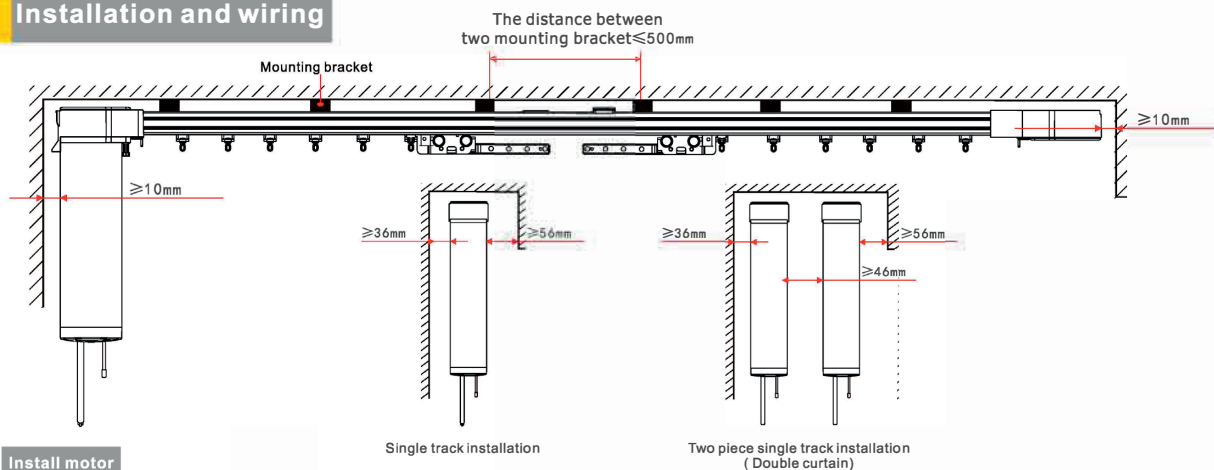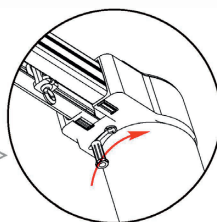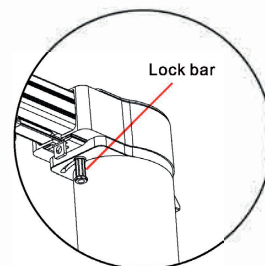
Install motor
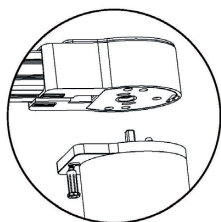
Lock bar

1.Please check and keep the lock bar at the left side as the image
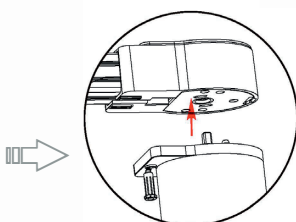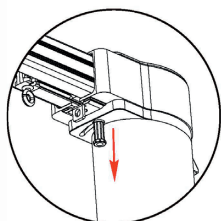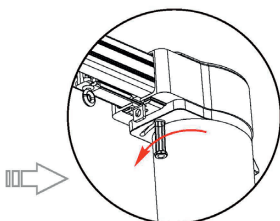
2.Insert the motor to main box

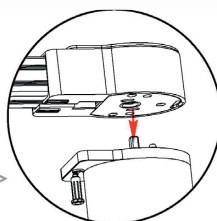3.Slide the lock bar and make sure it is in the limit hole on the right

Remove motor

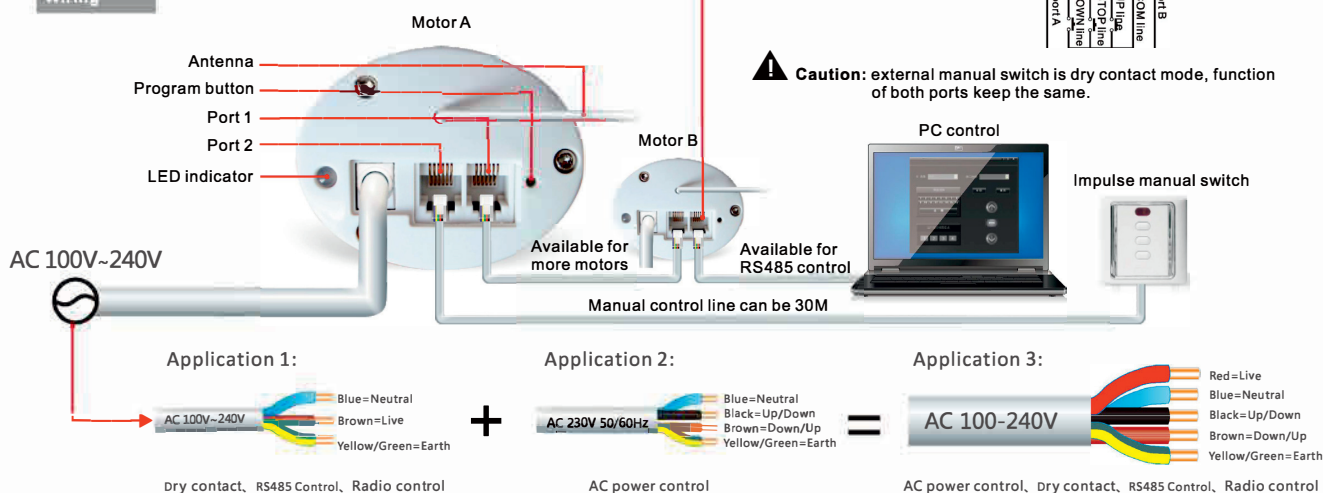1.Pull the lock bar and make it slide out of the limit hole

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

Series port A

Manual DOWN line

Manual STOP line

Manual UP line

Manual COM line

Series port B

⚠ **Caution:** external manual switch is dry contact mode, function of both ports keep the same.

Wiring

Motor A

Antenna

Program button

Port 1

Port 2

LED indicator

Motor B

PC control

Impulse manual switch

Available for more motors

Available for RS485 control

AC 100V~240V

Manual control line can be 30M

Application 1:

AC 100V~240V

Blue=Neutral
Brown=Live
Yellow/Green=Earth

Dry contact、RS485 Control、Radio control

+

Application 2:

AC 230V 50/60Hz

Blue=Neutral
Black=Up/Down
Brown=Down/Up
Yellow/Green=Earth

AC power control

=

Application 3:

AC 100-240V

Red=Live
Blue=Neutral
Black=Up/Down
Brown=Down/Up
Yellow/Green=Earth

AC power control、Dry contact、RS485 Control、Radio control

Functions

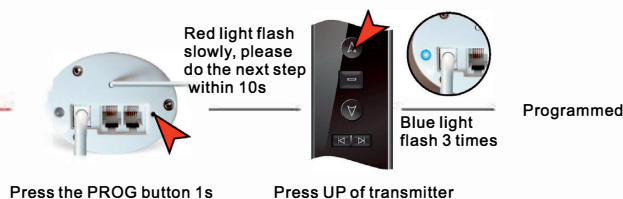| Automatical remember journey	Motor stop at the open and close ends during the first operation,and keep it as the stop journey even the power off and on again
Over current protection	Able to effectively avoide electric parts burnt or damage with over loading，and its coming fire damage. If there are 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

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

Red light flash slowly, please do the next step within 10s

Blue light flash 3 times

Programmed

Press the PROG button 1s

Press UP of transmitter

2 Changing direction

In the case of the motor goes in wrong direction

Red light flash slowly, please do the next step within 10s

Blue light flash 3 times

Changed

Press STOP on programmed transmitter and hold for 5s

Release and press stop again

3 Mid-limit position setting

Only one can be set

Mid-limit position set

Blue light flash 3 times

Set

Press UP + DOWN for 1s

Middle position operation

Move to mid-limit position

Press STOP and hold for 2s

Middle position delete

1Blue light flash 3 times

Deleted

Press UP + DOWN and hold for 5s
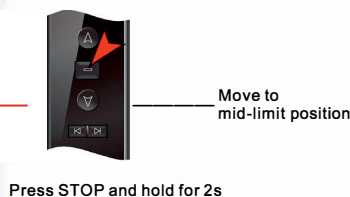
4 New transmitter adding

Red light flash slowly, please do the next step within 10s

Blue light flash 3 times

Added

Press STOP on programmed transmitter and hold for 5s

Press UP of new transmitter

5 Single code deleting

If you are using multiple chamel transmitter please select the channel first

Red light flash slowly, please do the next step within 10s

Blue light flash 3 times

Deleted

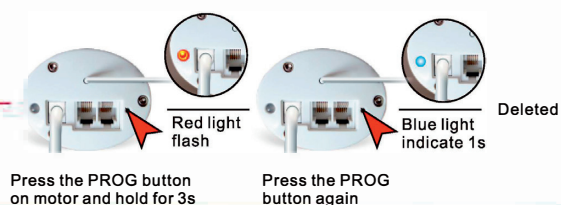Press STOP on programmed transmitter and hold for 5s

Press DOWN

6 All code deleting

Journey will be deleted and the running direction will be the factory defaulted mode, keeping the touch function

Method 1

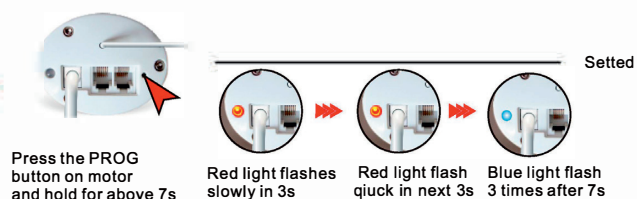Red light flash slowly, please do the next step within 10s

Indicator die out

Deleted

Press STOP on programmed transmitter and hold for 5s

Press PROG button on back side and hold 7s

Method 2

Red light flash

Blue light indicate 1s

Deleted

Press the PROG button on motor and hold for 3s

Press the PROG button again
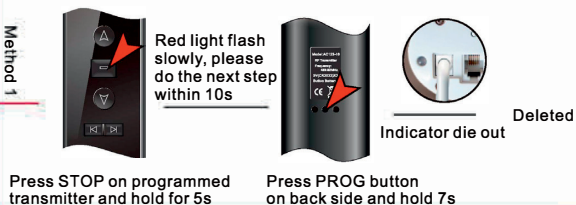
7 Manual function setting

Press the PROG button on motor and hold for above 7s

Red light flashes slowly in 3s

Red light flash qiuck in next 3s

Blue light flash 3 times after 7s

Setted

Manual function demonstration

Pull the curtain about 15cm then release

Curtain open or close automatically

P/N:4. 01. 0385