IH80 AC Input Flexible Quiet WIFI Curtain Motor

Features

- AC100-240V, widen voltage input for different voltage power area
- Light touch to start the motor by softly drag the curtain fabric, it will open or close the curtain automatically
- When the electricity off, it can be manually operated
- Soft start and soft stop, quiet and smooth running
- It takes the first open and close position as its stops, and keeps the small gaps of the pulleys and pulley and gearboxes to protect the parts clash.
- Various control way for application requirements

- **Flexible quiet design:** high-precision drive, leading intelligent design, beside, slow open and close make it light and smooth moving
- **Various control:** According to the application, with option of RF control, hard wire control etc
- **Remenber limits:** Motor remenber the first open and close stop, and keep no hit on the parts for longer life usage, even the power off and on again
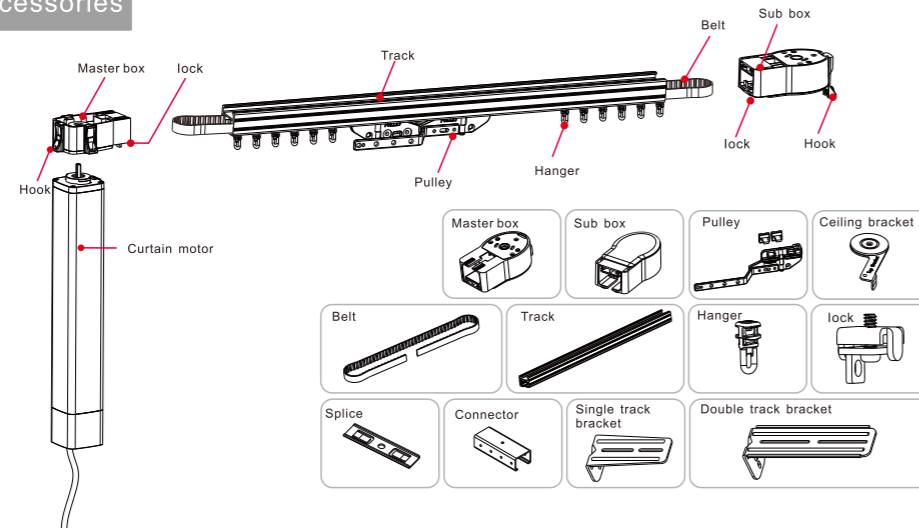
Parameters

Model No.	Rated torque	Speed	Housing size	Rated voltage	Rated power	IP level
IH80 WIFI	1.2N·m	12CM/S	295x50x50mm	100~240V AC 50/60Hz	40W	IP20

Loading diagram
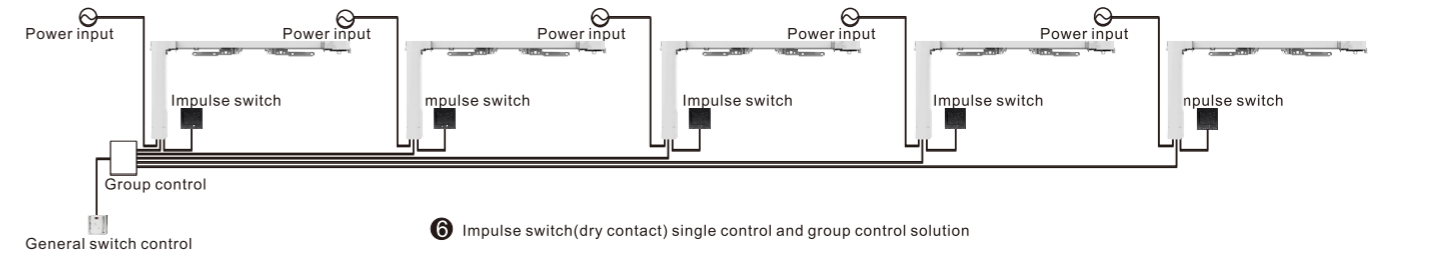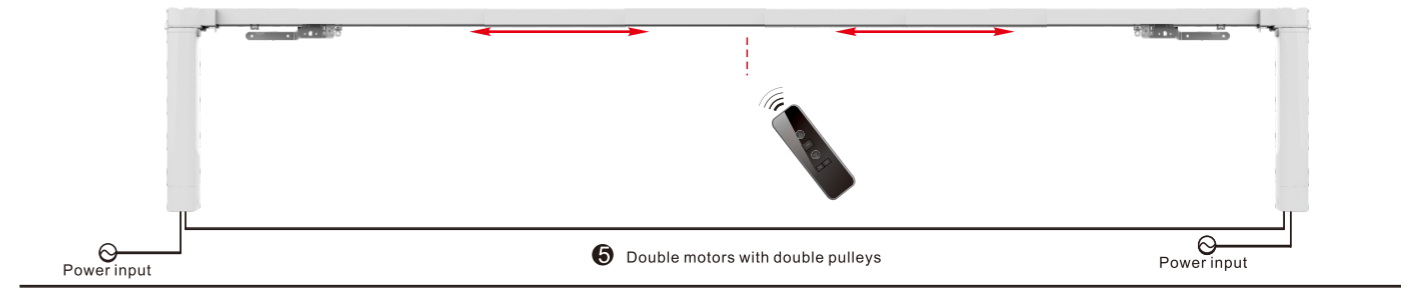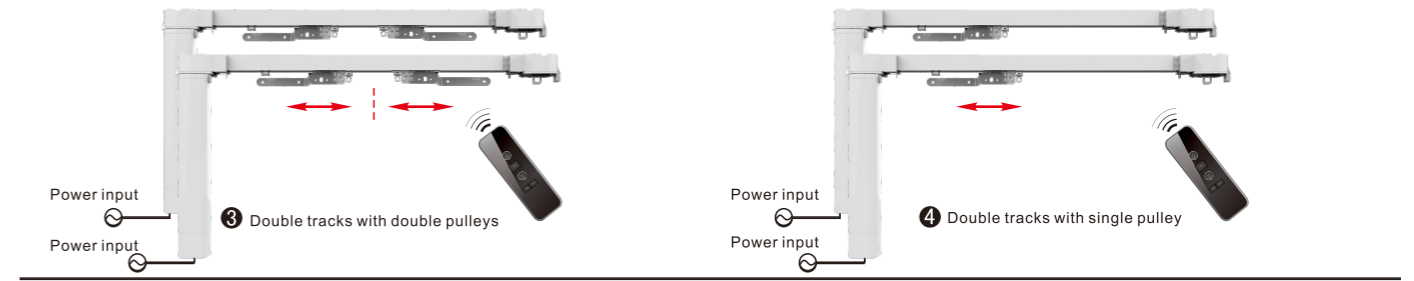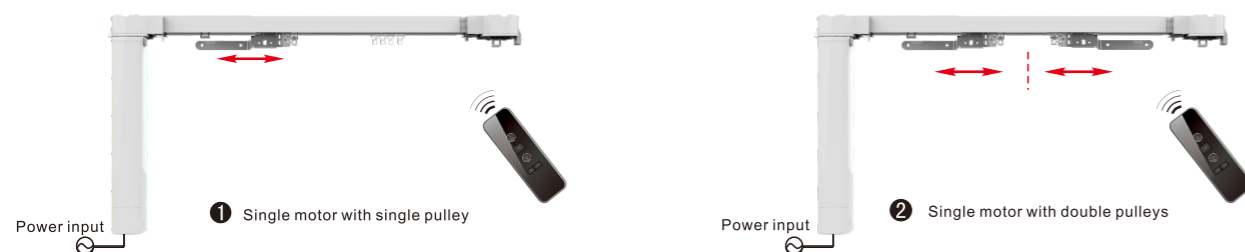
Track length	Single motor with double pulley	Single motor with single pulley	Single motor with double pulley	Single motor with single pulley	Single motor with double pulley	Single motor with single pulley	Single motor with double pulley	Single motor with single pulley
			R500	R500	R500	R500	R3000	R3000
4m	75kg	60kg	55kg	48kg	42kg	36kg	38kg	25kg
8m	65kg	55kg	50kg	42kg	36kg	30kg	25kg	20kg
12m	60kg	50kg	42kg	35kg	30kg	25kg		

Structure and accessories

Master box, lock, Track, Belt, Sub box, lock, Hook, Hook, Curtain motor, Pulley, Hanger, lock, Hook

Master box, Sub box, Pulley, Ceiling bracket, Belt, Track, Hanger, lock, Splice, Connector, Single track bracket, Double track bracket

Solution

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

❻ Impulse switch(dry contact) single control and group control solution — Power input, Impulse switch, Group control, General switch control

❼ RF control- single control and group control solution — Power input

Installation

Distance between two brackets ≤500m, Ceiling bracket, Ceiling bracket, ≥10mm, ≥36mm, ≥56mm, ≥36mm, ≥56mm, ≥36mm, ≥56mm, ≥60mm, ≥10mm

Single track / Double tracks (fabric curtains) / Double tracks (fabric+silk curtain)
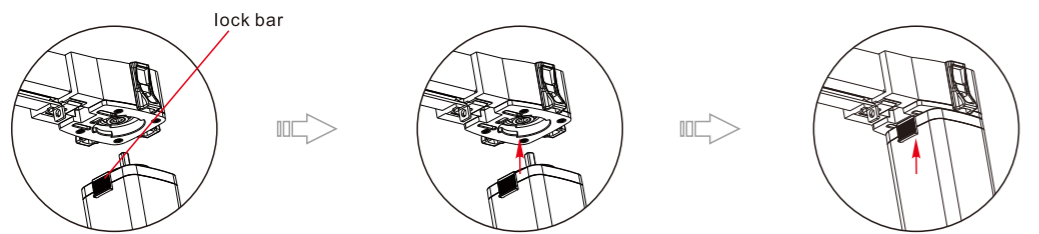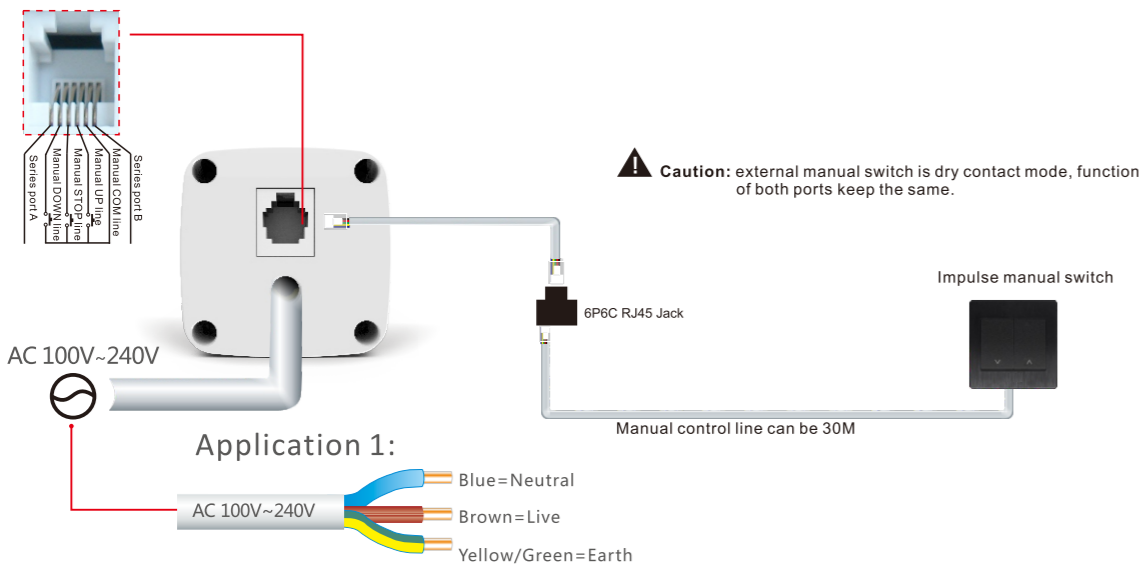
Motor installation

lock bar

1. Please check the lock bar is in the correct position as shown in the image

2. Insert motor to master box

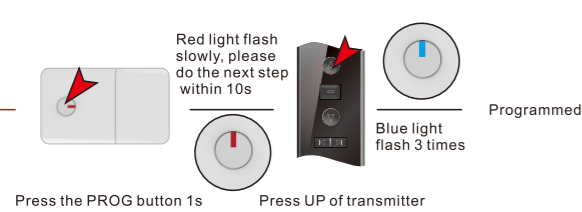3.Slide the lock bar and make sure it is in the limit hole

Wiring

Series port A
Manual DOWN line
Manual UP line
Manual STOP line
Manual COM line
Series port B

Impulse manual switch

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

6P6C RJ45 Jack

AC 100V~240V

Manual control line can be 30M

Application 1:

AC 100V~240V

Blue=Neutral
Brown=Live
Yellow/Green=Earth

Dry contact、Radio control
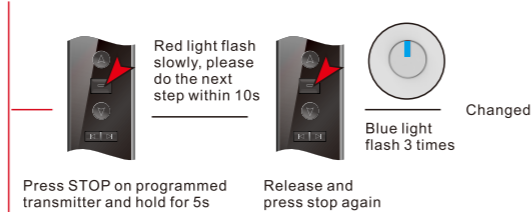
Operation instructions

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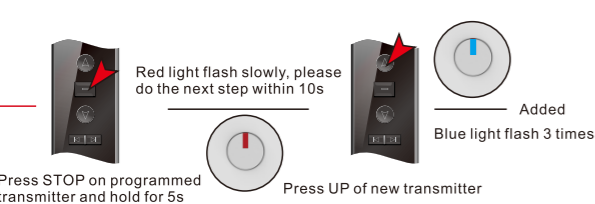
1 Programming

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 New transmitter adding

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

Added
Blue light flash 3 times

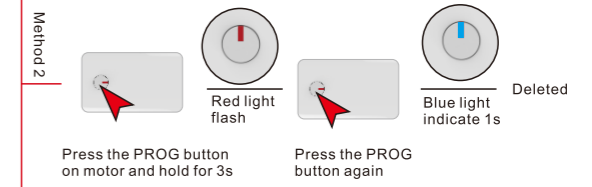Press STOP on programmed transmitter and hold for 5s   Press UP of new transmitter

4 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

Deleted
Blue light flash 3 times

Press STOP on programmed transmitter and hold for 5s   Press DOWN

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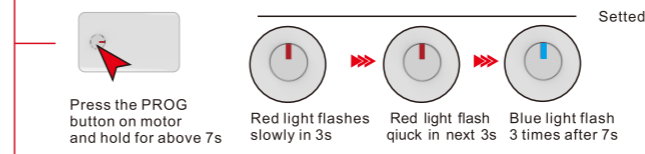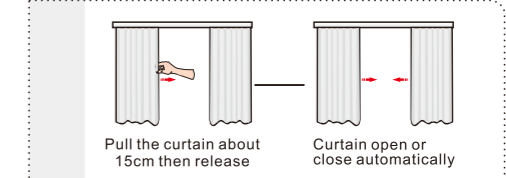
5 All code deleting

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
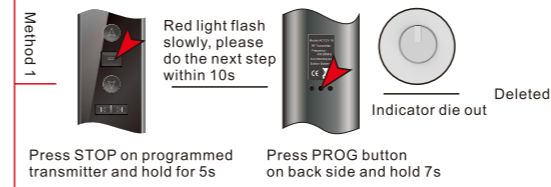
6 Manual function setting

Manual function demonstration

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

Pull the curtain about 15cm then release
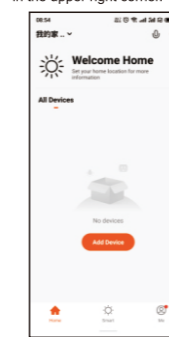
Curtain open or close automatically

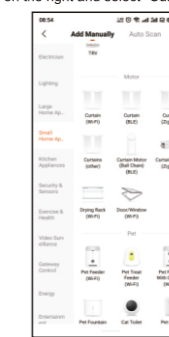## APP Operation Instructions

1. APP download
2. Device binding

Scan the above QR code to download TUYA APP from APP shop

2.1. Match the device on the main interface of APP, and click "add device" or the "+" sign in the upper right corner.

2.2. Click "Small Home Appliances" on the right and select "Curtain WI-FI".

2.3 Select the WIFI bound by the device, enter the WIFI password, and click "Next".

2.4. Short press the motor PROG button 4 times (press time less than 1s), then long press one time (more than 3s), red and blue lights flashing alternately on the motor; then tick the words of "confirm the indicator is blinking rapidly", and clik "Next"
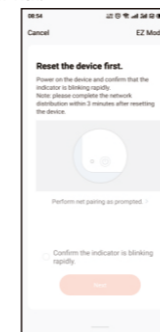
2.5. Wait for the connection completed.(The blue light flashes 3 times, the WiFi connection is successful.)
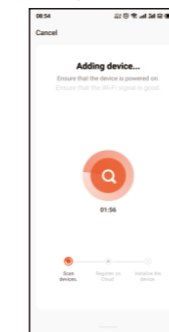
2.6 After connection is completed, the name of the customized device can be modified. Click "Done".

Trouble shooting

Problem	Analysis	Solution
Power on, but motor no reaction	Check the wiring is correct or not.	Please follow the wiring diagram to correct the connection.
Motor is working but the curtain don't move	Check the method of the track installation is right or not.	Please check and adjust the wheel gear and belt.
Motor work automatically	Motor paired by other transmitter.	Delete all remotes, programming again.
Can't pull curtain move by hand	1. power off suddenly when motor running 2. the hand pull position is wrong, resulting pulley stuck.	1. pull the curtains back wards, then pull it again. 2. hand pull position back 10 cm.

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