

# Automatic Aluminium Windows Opener

FE-M141



Product parameters



**Reliable performance**  
 The product has been tested tens of thousands of times, and passed the fatigue verification



**APP Remote Control**  
 Smart wireless WIFI connection, remote operation by mobile APP



**DC Output**  
 Equipped with AC220 to DC24V power supply to prevent electric shock, safe and reliable



**Quiet Operation**  
 Running sound is less than 40dB, quiet and comfortable



**Multiple External Sensors**  
 Wind, rain, smoke and gas detection to realize automatic window closing in multiple application scenarios



**voice control**  
 Support Tuya, Alex, Tmall Genie and other smart device



**Universal For All Profiles**  
 Lightweight design, Suitable for various groove profiles, concealed embedded installation



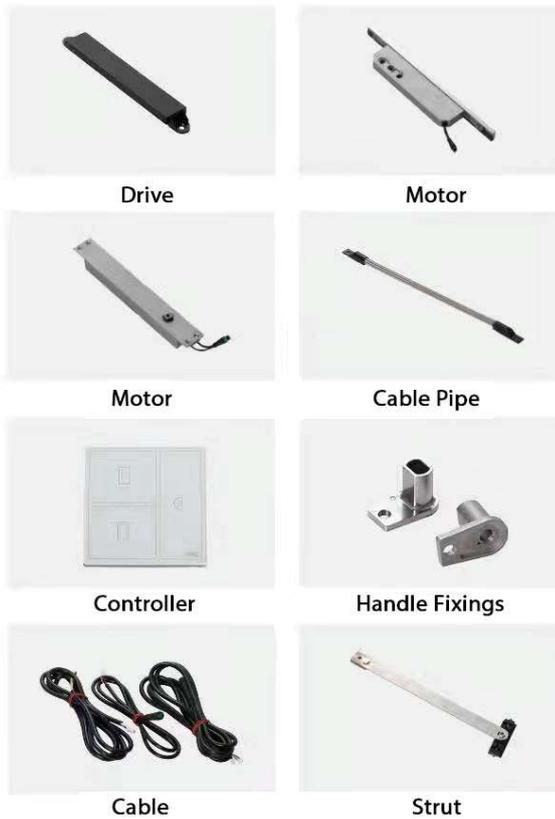
**Smart anti-pinch**  
 With intelligent anti-pinch hand sensor to ensure personnel safety



**Mechanical Clutch**  
 Manual and automatic modes can be switched freely, and windows can be closed manually in case of power off



“ Horizontal mode ”



“ Vertical Mode ”



Drive



Motor



Motor



Cable Pipe



Controller



Handle Fixings

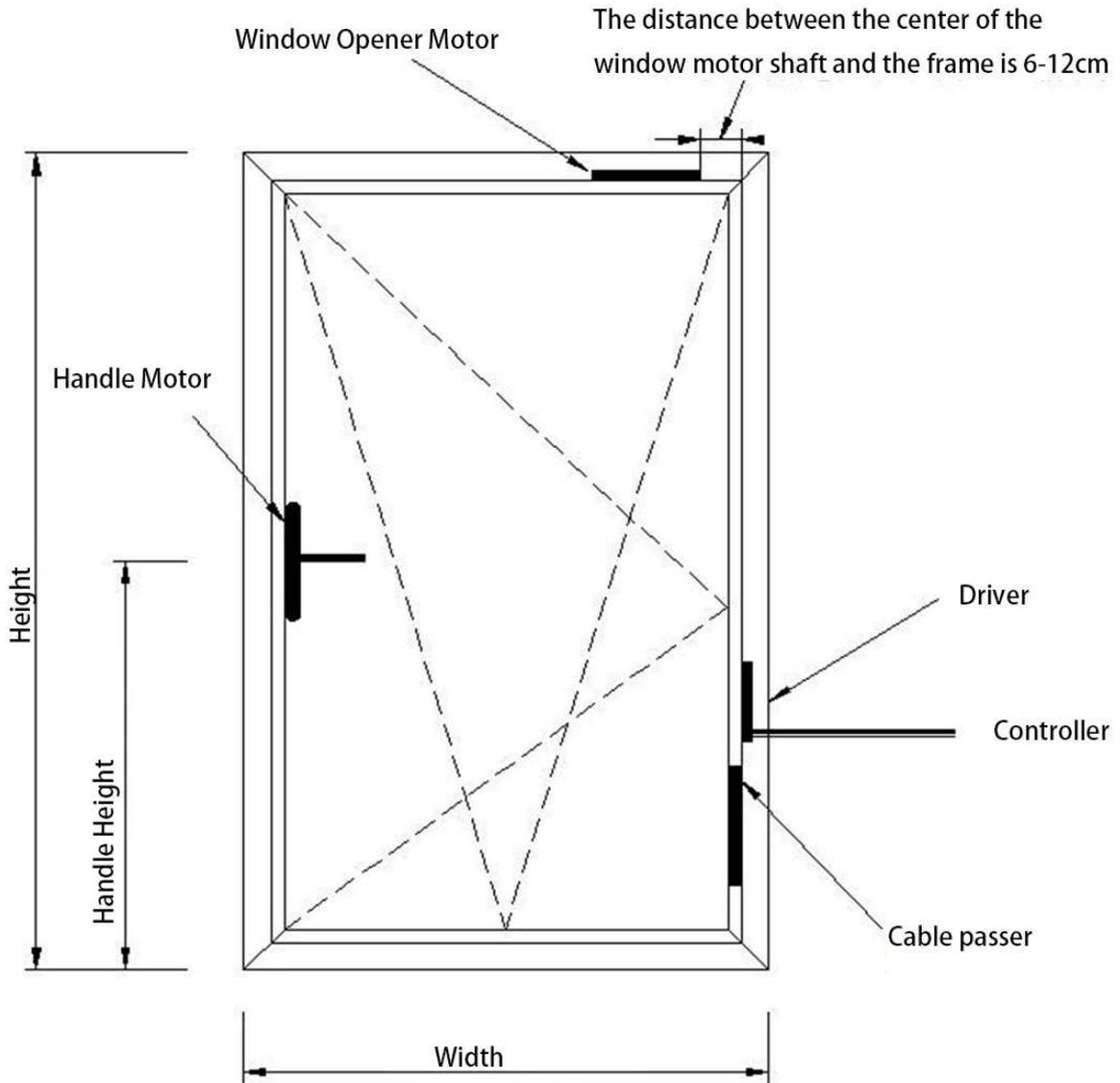


Cable



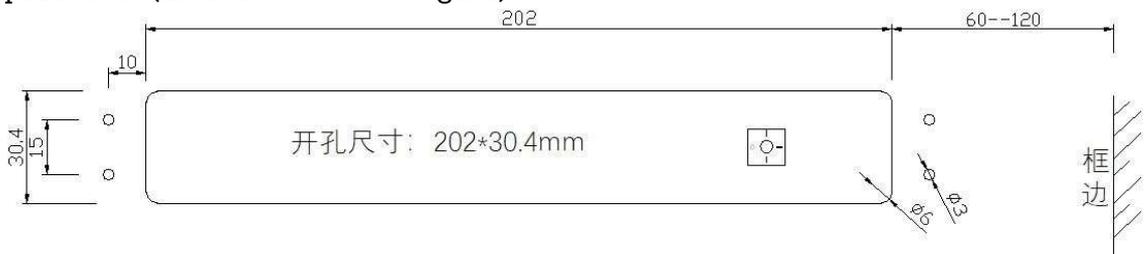
Telescopic Strut

## Overall View



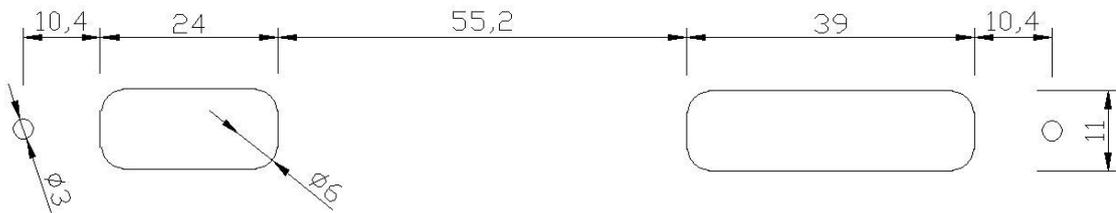
## Profile opening size

- 1) The external dimensions of the window motor are 30mm wide \* 200mm long \* 25mm thick. It is installed on the hinge side of the window frame, 6 to 12cm away from the frame edge, and the hole should be opened as far as possible (as shown in the figure).

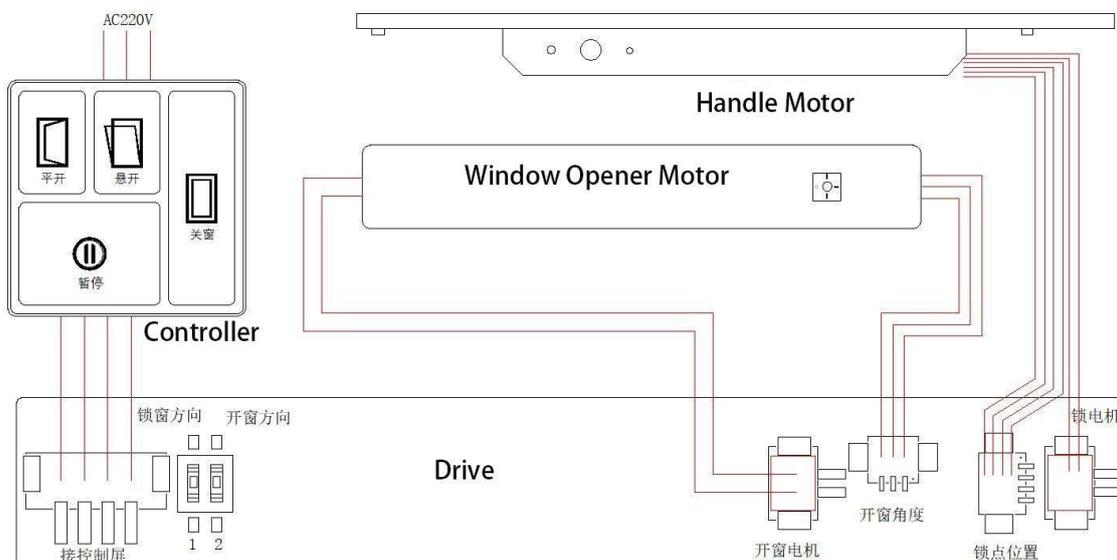


- 2) The outer dimensions of the handle motor are 22mm wide \* 418mm long \* 27mm thick, it replaces the ordinary lock box, the installation requirements are the same as the ordinary lock box, (note that the outlet end is downward)

- 3) The external dimension of the driver board is 22mm wide \* 150mm long \* 11mm thick. It is installed on the hinge side of the window frame. The standard C slot should be as close to the wire protection spring as possible, and open a hole (as shown in the figure).

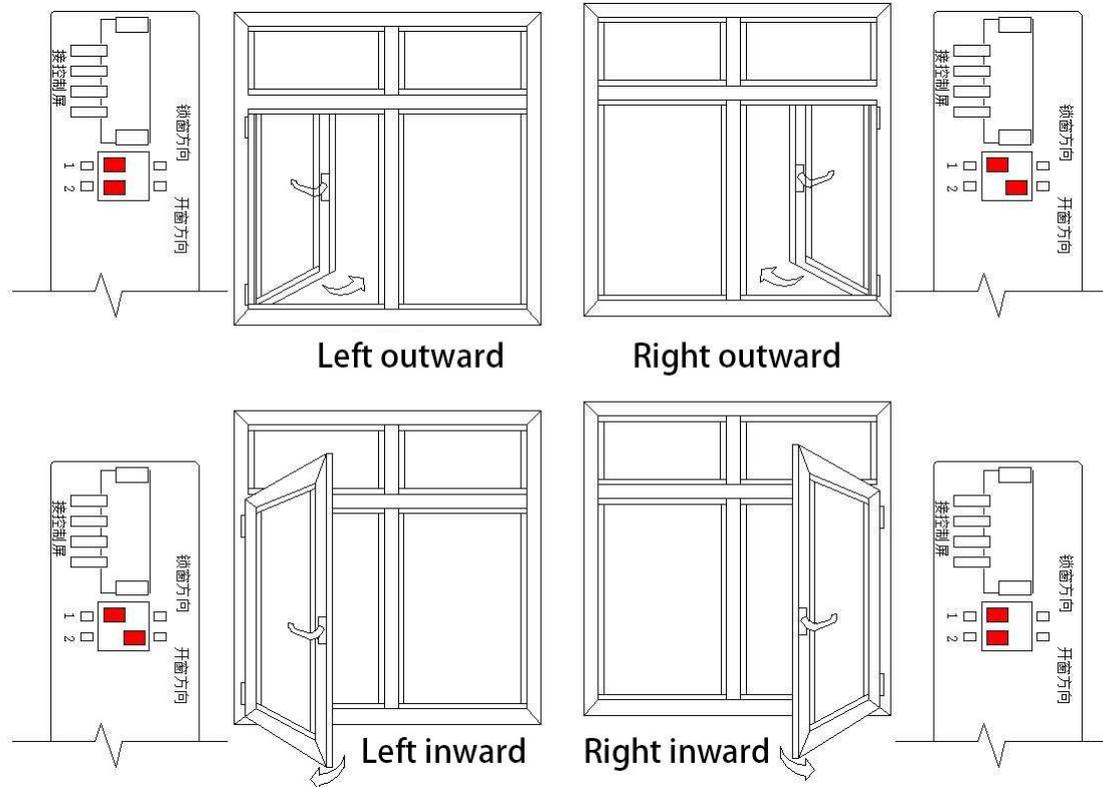


## Wiring



## DIP switch

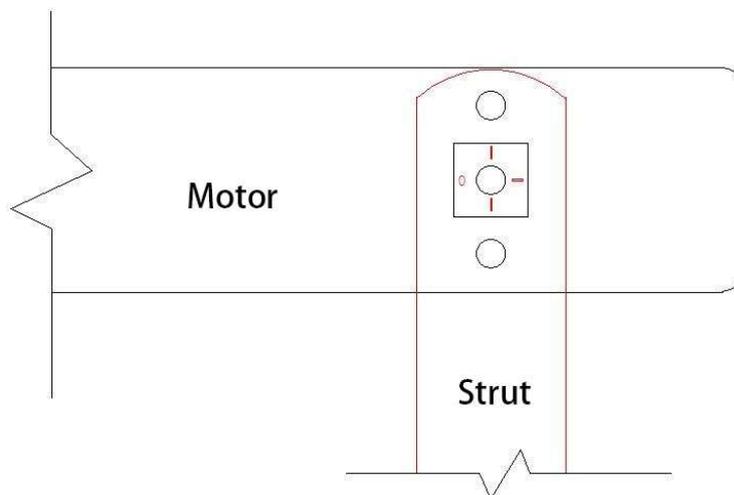
By adjust the DIP switch to adapt the opening direction.



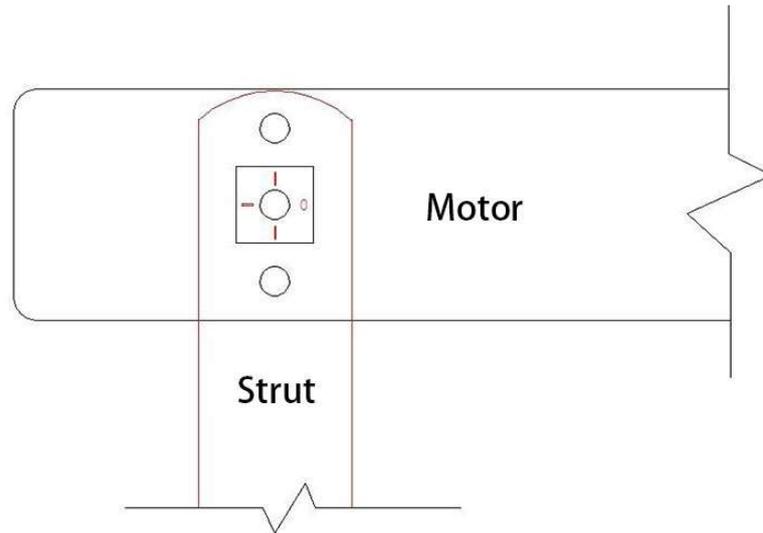
## Install the window motor strut

Observe the laser marking on the output shaft

1) The installation angle between the right window stay and the motor is shown in the figure (note: the direction of the angle scale on the output shaft)



2) The installation angle between the left window stay and the motor is shown in the figure (note: the direction of the angle scale on the output shaft)



Setting:

- 1) After adjusting the gap between the hardware in the manual mode, connect the control panel, power on, the backlight on the panel lights up, and you hear the prompt music of "Welcome to Smart Door Products", the driver board The breathing light flashes.
- 2) manually closing the window, press and hold the window closing button on the control panel for 5 seconds until the backlights of other buttons are off, then let go, and then click the window closing button, the backlights of other buttons will light up, and the window closing angle has been set successfully.
- 3) manually opening the window to the maximum stroke, press and hold the window button on the control panel for 5 seconds until the backlights of other buttons are off, then let go, and then click the window button, the backlights of other buttons will light up, and the window angle will be set. success.
- 4) manually opening the window to the suspend state, press and hold the suspend button on the control panel for 5 seconds until the backlights of other buttons are turned off, then let go, and then click the suspend button, the backlight of other buttons will light up, and the suspend button will turn on. The angle is set successfully.

## APP Control

1) Download the Tuya Smart app in the mobile app market and follow the instructions to install and register. Turn on the Bluetooth of the mobile phone, make sure that the mobile phone is connected to the WIFI 2.4G frequency band, not to the 5G frequency band (as shown in the figure)



2) Wake up the control panel: "Hello doors and windows, enter the network distribution mode", the signal light in the upper right corner of the control screen flashes, and the control screen is looking for a nearby WIFI signal.

3) Open the Tuya Smart app on your phone and click the red plus icon in the upper right corner, a prompt box will pop up on the screen of the mobile phone. When a new device is found, click Add, follow the prompts, enter the WIFI password, and link the device. You can remotely control the doors and windows and view the current opening and closing status of the doors and windows through the mobile phone.