Door Operator Manual

扫码添加设备

Guangdong Niuniu Intelligent Space Technology Co., Ltd

Product introduction

Main cover

display

power switch

host

External equipment interface

Sliding block plug   Slide rail   Support arm   Electric engine

controller

Slide rail cover

Door frame

450mm

235mm

80.5mm

68.5mm

Door leaf

12mm

32mm

428mm

530mm

34.5mm

Hinge

Door leaf

NO	NO	NO	NO	通信
COM	COM	COM	COM	+ -
GND	GND	GND	GND	12V GND
12V	12V	12V	12V	

F 0 0

Access
control   Safety
light   Microwave
induction   Microwave
induction   Double door

Electric
mortise lock   ▲ confirm ▼

Door body form：Single door / double door

Scope of application: Pedestrian door set

Types of suitable doors: solid wood door / wooden frame glass door

/ aluminum frame door / stainless steel door

supply voltage：AC100-240V 50-60HZ

Power consumption：≤120W

Opening time：4-10S(可调)

Hold open Duration：1-30S（Adjustable）

Resistance sensitivity：5 Adjustable levels

Door opening and closing speed: 3 Adjustable levels

Mute requirements: the operating noise shall be
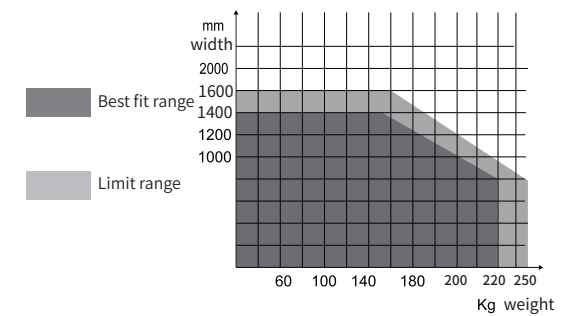
less than 60 dB

Applicable door weight：40-250kg

Suitable door width：700-1600mm

Output torque：56Nm

Manual opening force：≤8N

Applicable temperature：-30–50℃

Opening times: 500000 times

mm
width

2000
1600
1400
1200
1000

Best fit range

Limit range

60   100   140   180   200   220 250

Kg weight
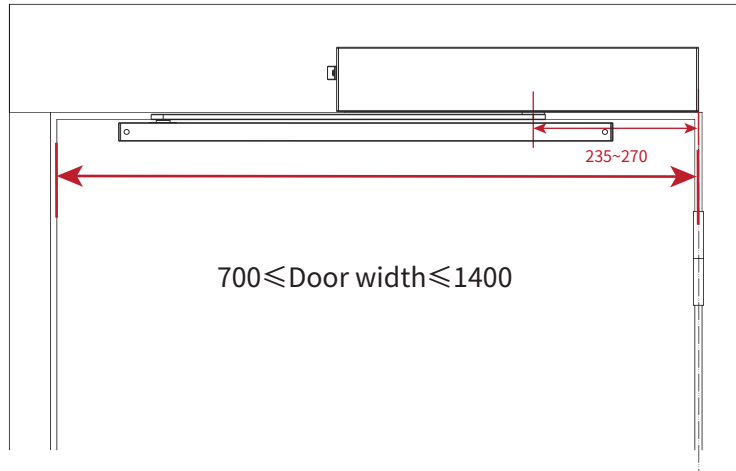
Preparation before installation

1.Understand the door weight, installation environment, measurement of door width and other parameters.

Scenario 1: (applicable to surface mounted door opener and concealed door opener).

235~270

700≤Door width≤1400

When the door opener is installed with external installation and internal opening , it is necessary to contact the manufacturer to replace the standard arm with a push arm when it exceeds the size shown in the figure above.

1. when the weight of the door body is about 80kg, the width of the door body is 700~1400mm, and the distance from the door shaft to the center of the door opener shaftDistance 235mm.
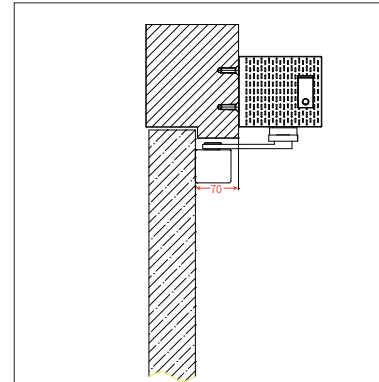
2. Optimal use for following doors:

- Door Weight = 60 Kg with Door Width = 700 to 1100 mm.Distance of the spinmdle from the hinge side = 235 mm.

- Door Weight = 60-100 Kg with Door Width = 700 to 1000 mm.Distance of the spinmdle from the hinge side = 250 mm.

- Door Weight = 100-120 Kg with Door Width = 700 to 900 mm.Distance of the spinmdle from the hinge side = 270 mm.

Installation guide for surface mounted door opener

Scenario 1: Interior decoration and interior opening. (The flight crew is inside, and the door opens

　　　　 towards the inside of the room)

　　　　 External installation and opening. (the crew is outside, and the door is open towards
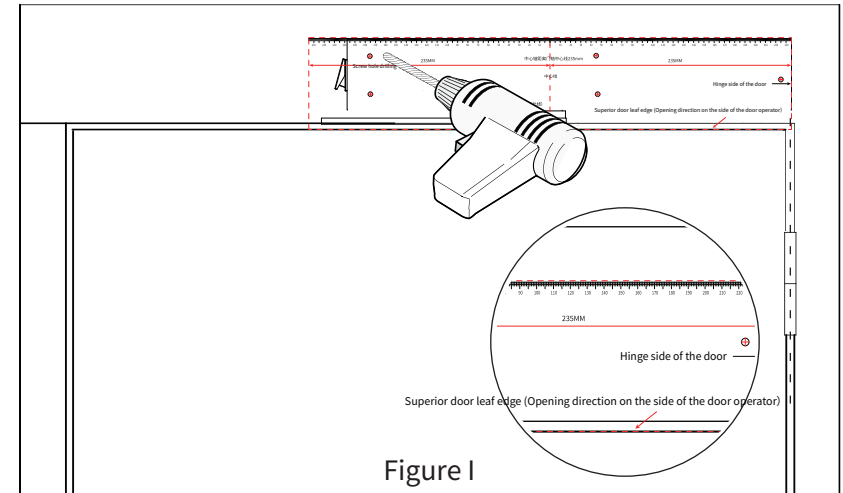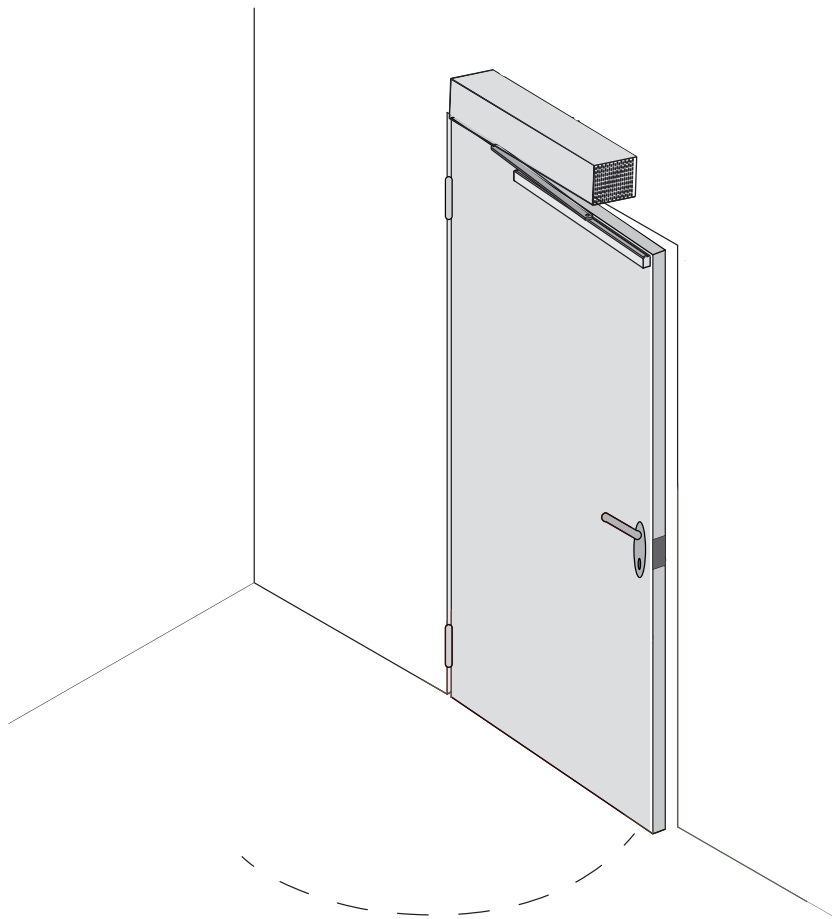
　　　　 the outside of the room)

Hinge side of the door

Superior door leaf edge (Opening direction on the side of the door operator)

235MM

Hinge side of the door

Superior door leaf edge (Opening direction on the side of the door operator)
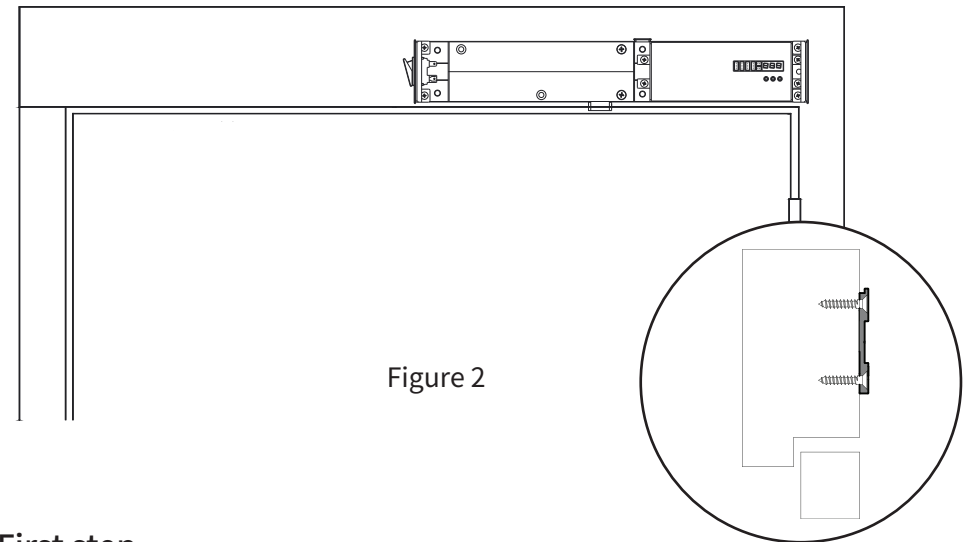
Figure I

Figure 2

First step

Step 1: When the position of the door operator has been determined (interior ore exterior),

place the installation template and align it with the upper edge of the door leaf.

drill the corresponding fixing screw holes, as shown in Figure 1.

Step 2: put the door opener on the door frame, align the already punched screw holes, and
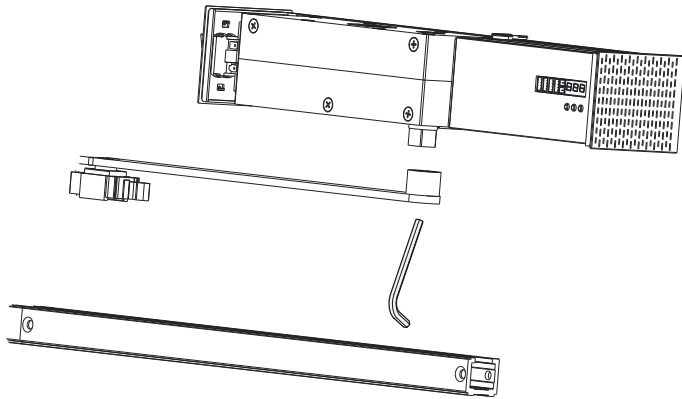
fix them with screws.

Figure 3

Step 3: fix the support arm on the door opener with hexagon socket, and pass the slide rail
through the slider on the support arm, as shown in Figure 3.

滑轨堵头   滑轨堵头

滑块

Figure 4

Step 4: close the door, install the slide rail plug, and place the slider at the end of

slide rail, as shown in Figure 4, then mark the screw hole position, drill the fixing

holes and fix the rail.
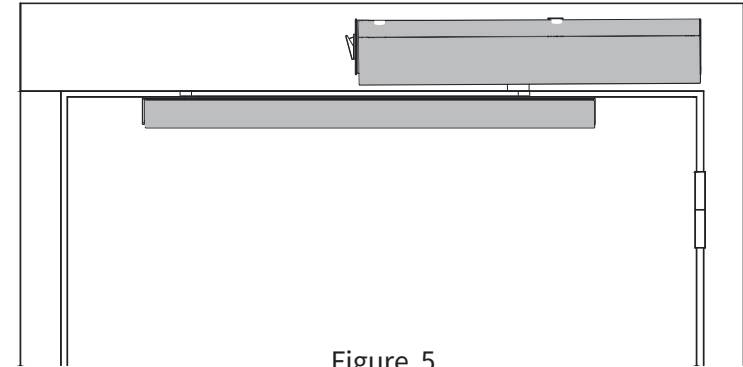
Figure 5

Step 5: connect the power, place the cover, as shown in Figure 5.

Step 6: the automatic door opener is debugged. Download the app first. See the

product debugging instructions for debugging.

Scenario 2: interior installation and outward opening. (the operator is inside, and the door is open towards the outside of the room)

Screw hole drilling

不心偏距离 7和P<±35mm

235MM

Door frame bottom limit (Opening direction opposite to door operator side.)

Hinge side of the door

235MM

Hinge side of the door

Door frame bottom limit (Opening direction opposite to door operator side.)
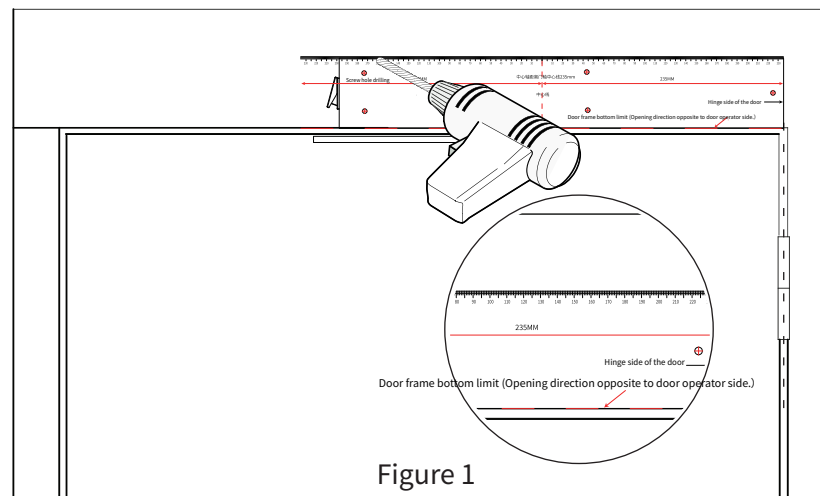
Figure 1

Figure 2

第一步

Step 1: If the door operator is installed on the oposite side of the opening direction,place the installation template on the door frame, align the lower edge of the door operator with the lower edge line of the door frame, and drill the corresponding fixing screw holes, as shown in Figure 1.

Step 2: put the door opener into the door frame, align the already punched screw holes, and fix them with screws.

Step 3: fix the support arm on the door opener with hexagon socket, and pass the slide rail through the slider on the support arm, as shown in Figure 3.
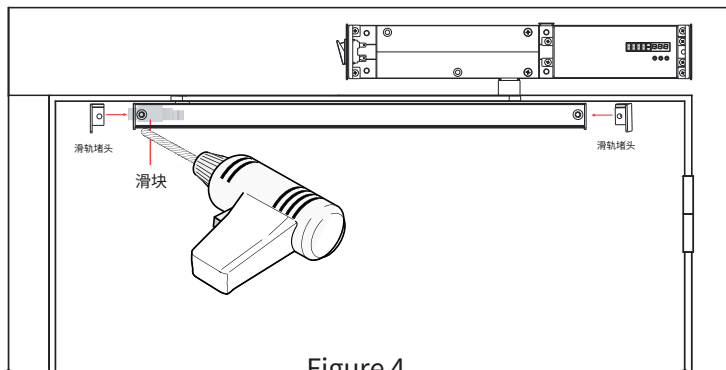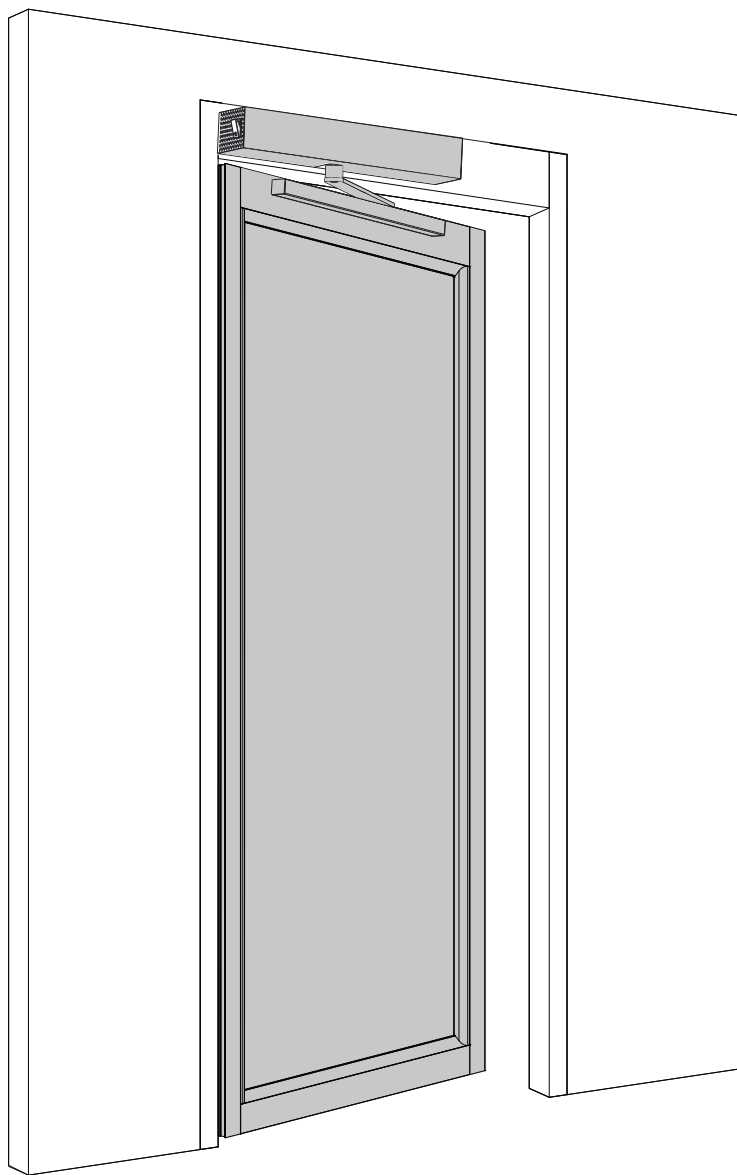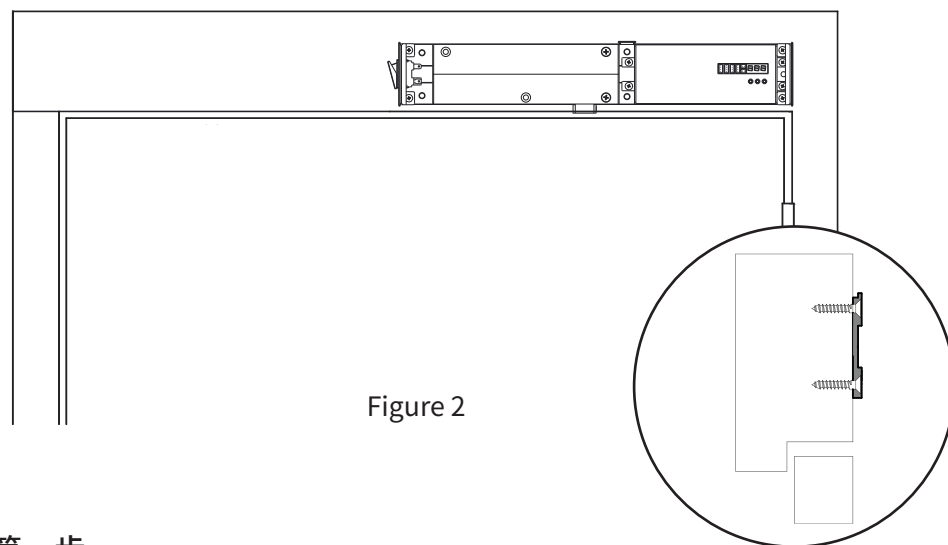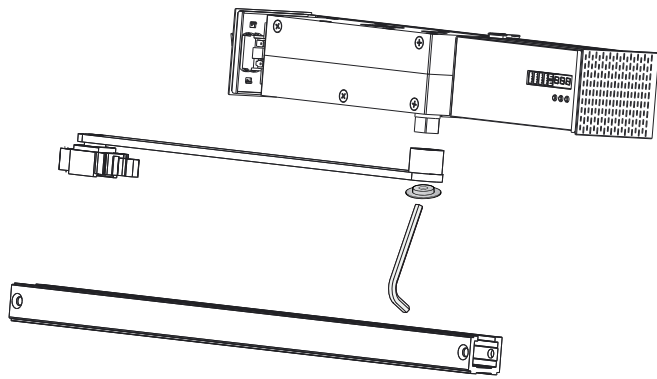

滑轨堵头   滑轨堵头

滑块
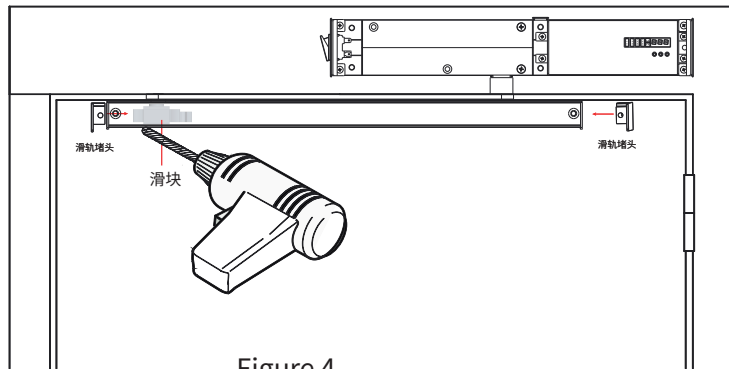
Figure 4

Step 4: close the door, install the slide rail plug, and place the slider at the end of slide rail, as shown in Figure 4, then mark the screw hole position, drill the fixing holes and fix the rail.

Figure 5

Step 5: connect the power, place the cover, as shown in Figure 5.

Step 6: the automatic door opener is debugged. Download the app first. See the product debugging instructions for debugging.

Scenario 3: installation method of push arm.
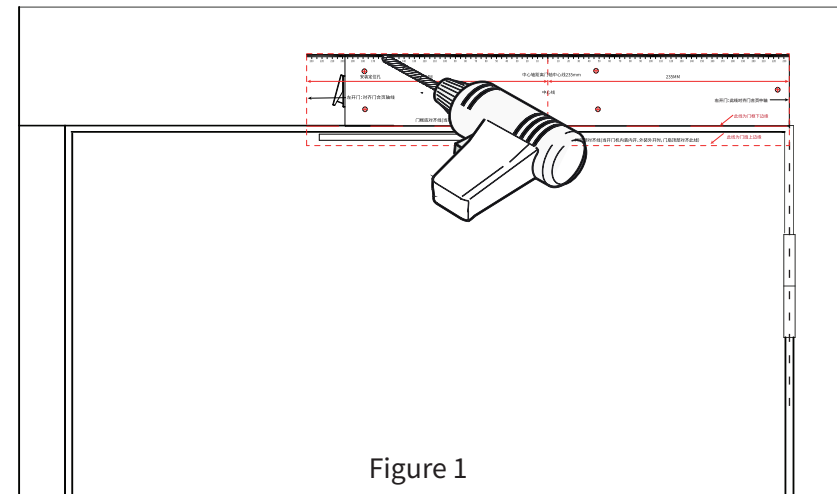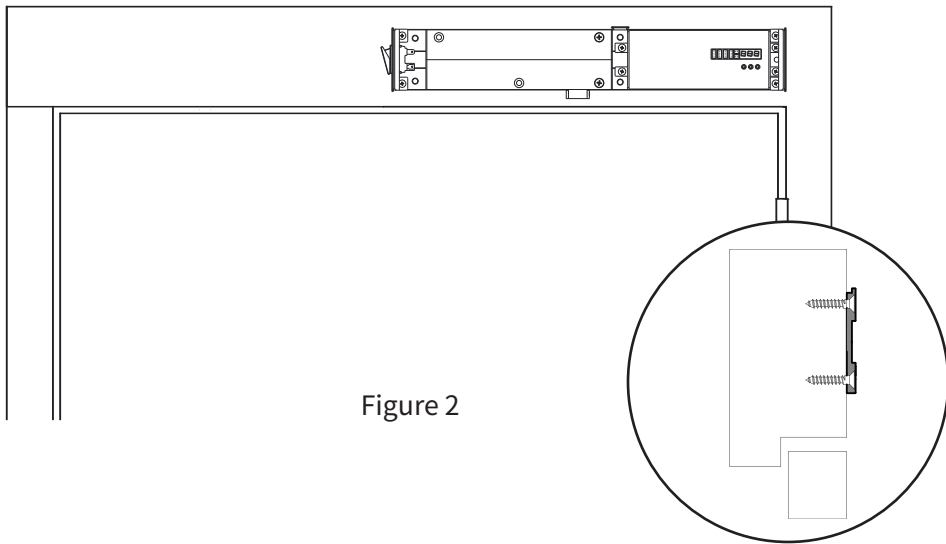
Figure 1
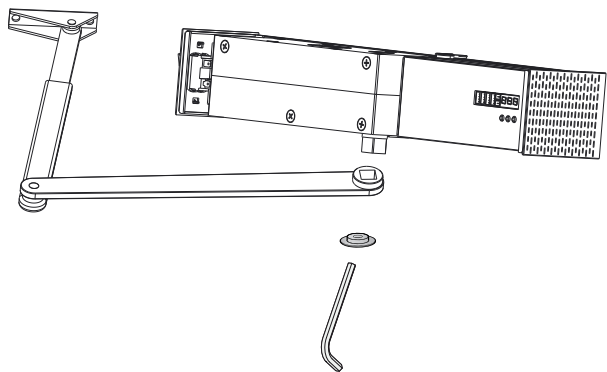
Figure 2

Figure 3

Step 1: according to the actual situation of the door body, open the screw hole position
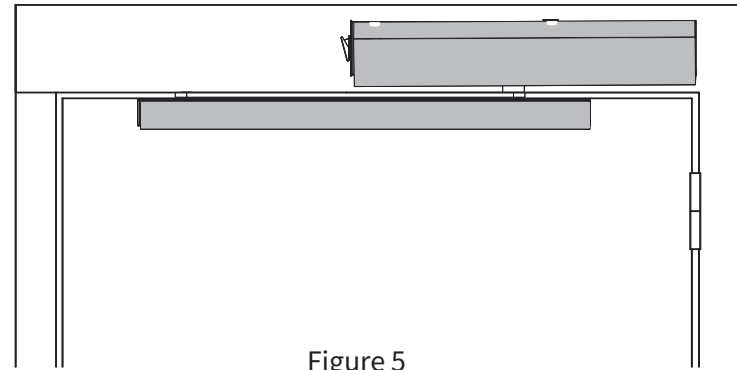
according to the hole drawing, as shown in Figure 1.

Step 2: put the door opener into the door frame, align the already punched screw holes,

and fix them with screws, as shown in Figure 2.

Step 3: fix the push arm on the door opener, as shown in Figure 3.

90°

标记

③

图四

④

②

90°

Note: make sure that the distance from the arm bracket from the hinge

side of the door is bigger than the distance of the spindle from the hinge

side of the door. ④ > ②
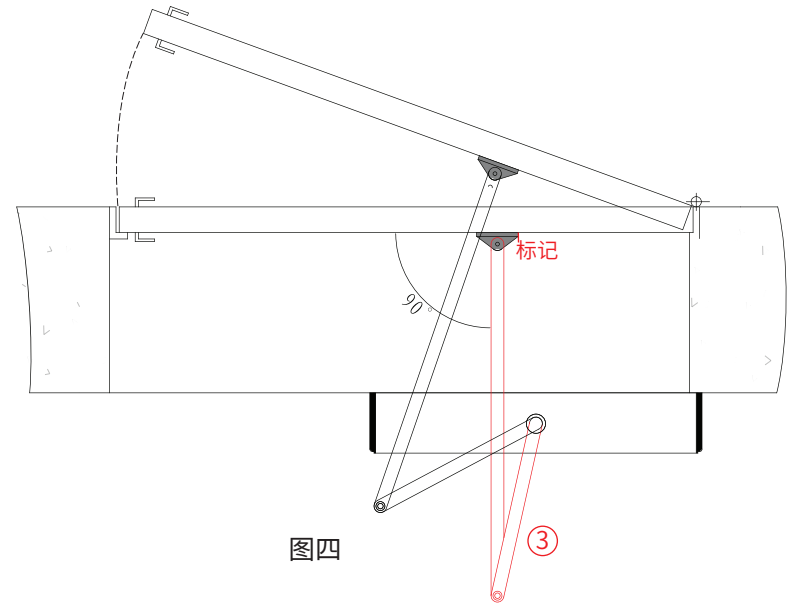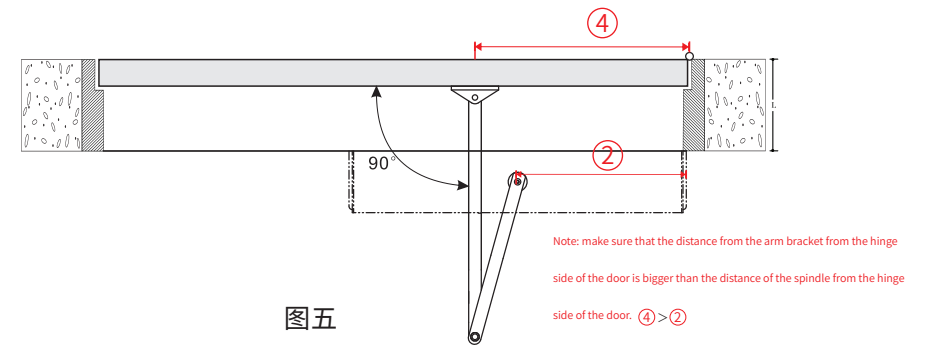
图五

Step 4: when the door is closed, ensure that the arm is perpendicular to the door, as

shown in Figure 4, and fix the other end of the arm. (Note: installation precautions are

shown in Figure 5)

Step 5: install the door opener cover and other accessories, download the app,

and see the product commissioning instructions for commissioning.

Product introduction

Electrc engine

controller

power switch

Sliding block plug

Stainless steel decorative plate

slider

Support arm

Fixed block

Slide rail cover

410

388

69.5

530

30

33

Slide rail section

69.5

5.5

12

Section of main engine

Installation guide for concealed door opener

Opening size of door frame (Unit: mm)

Single door (Opening drawing of wooden door)
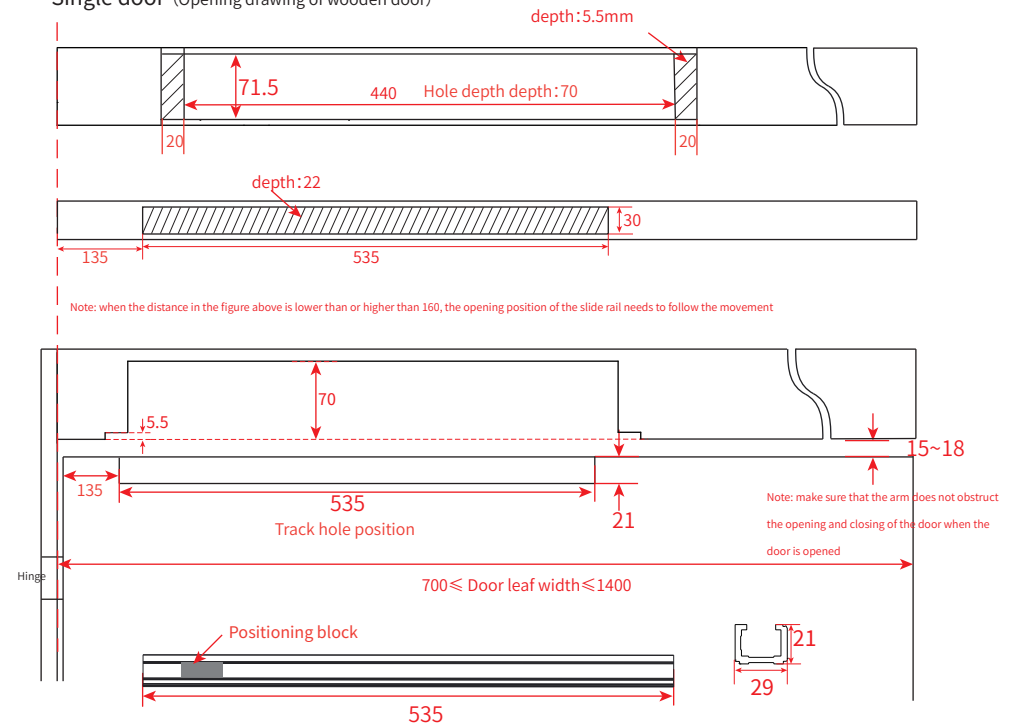
depth：5.5mm

71.5   440   Hole depth depth：70

20   20

depth：22

30

135   535

Note: when the distance in the figure above is lower than or higher than 160, the opening position of the slide rail needs to follow the movement

70

5.5

15~18

135   535   21

Track hole position

Note: make sure that the arm does not obstruct the opening and closing of the door when the door is opened

Hinge

700≤ Door leaf width≤1400

Positioning block

21

29

535

Installation steps of door opener

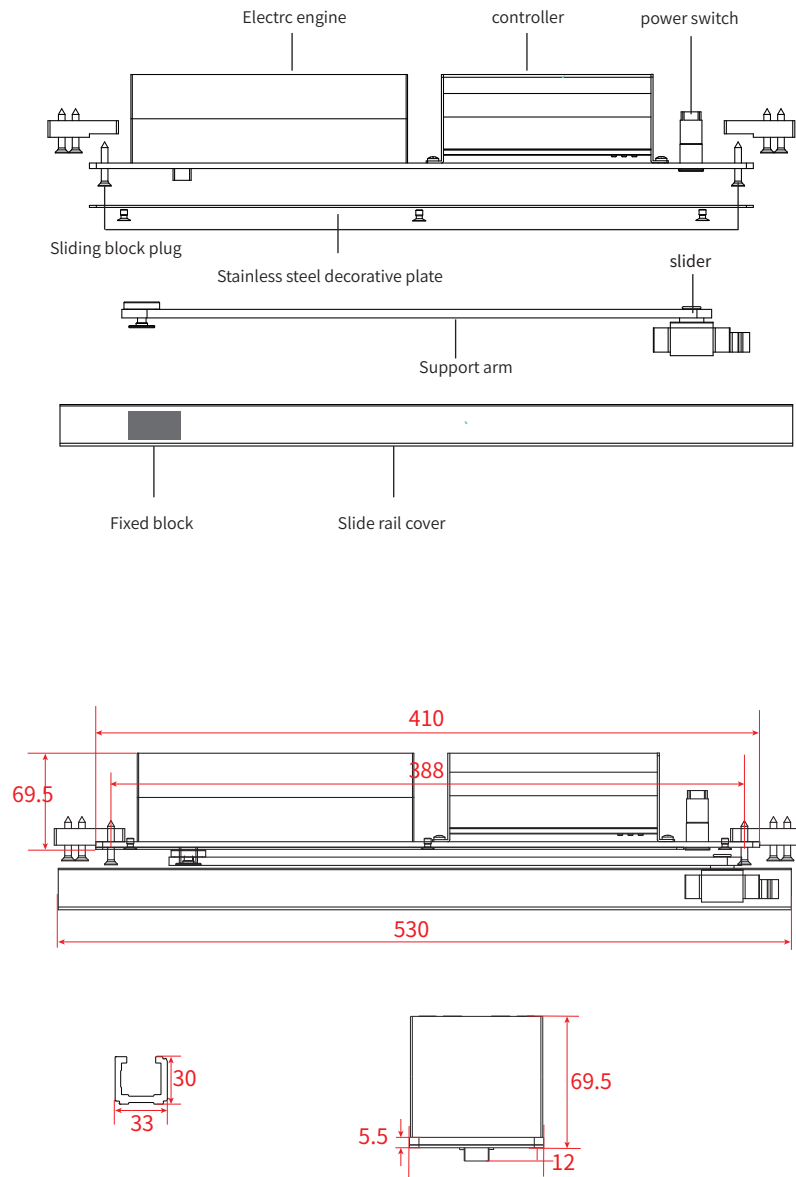1. the hole position shall be reserved according to the above dimensions, as shown in the figure above.

2. connect the power cord, put the door opener in position within the door frame, and fix the door opener with screws (including stainless steel decorative plate).

3. put the sliding block and positioning block into the track (as shown in the figure), then put the track into the track hole of the door leaf, fix the screws, open the door to the required angle, and fix the positioning block to prevent the door from continuing to open.

4. fix both ends of the support arm on the sliding blocks of the door opener and the slide rail respectively, and fix them with screws.

single door (Metal door opening drawing)
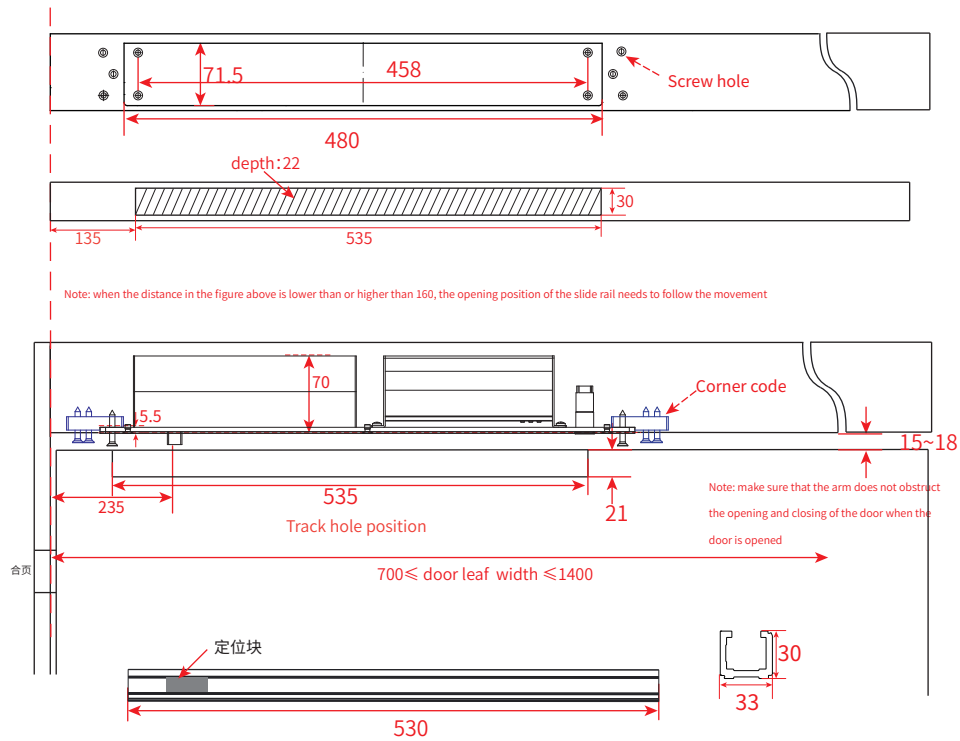
71.5　458　Screw hole

480

depth:22

30

135　535

Note: when the distance in the figure above is lower than or higher than 160, the opening position of the slide rail needs to follow the movement

70

Corner code

5.5

15~18

535

235

21

Note: make sure that the arm does not obstruct the opening and closing of the door when the door is opened
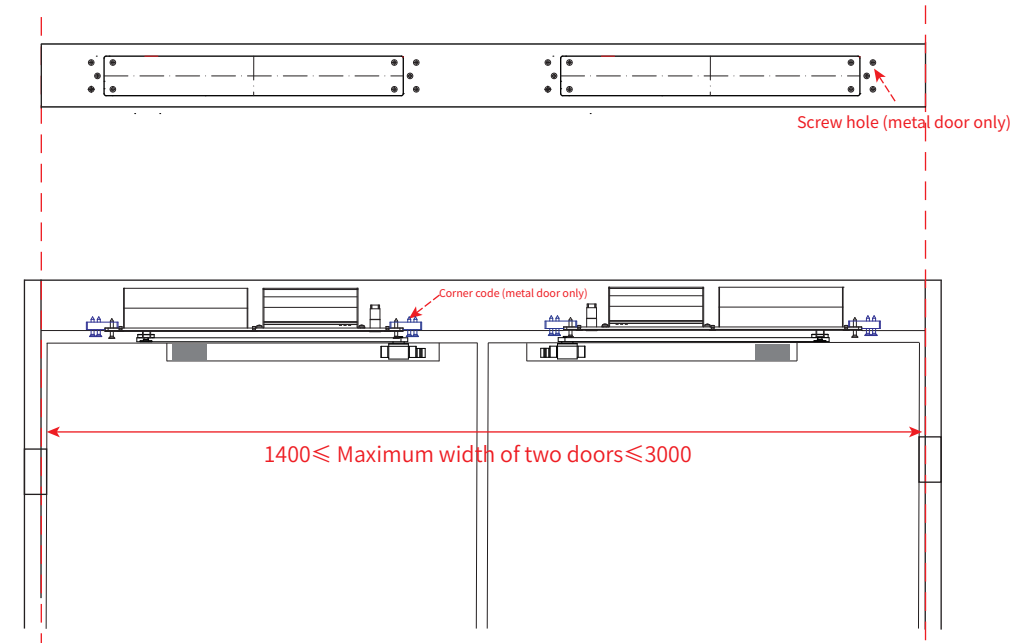
合页

Track hole position

700≤ door leaf width ≤1400

定位块

30

33

530

Installation steps of door opener

1. the hole position shall be reserved according to the above dimensions, as shown in the figure above.

2. install the installation brackets, connect the power cord, put the door opener into the hole of the door frame, fix it on thebrackets, and install the stainless steel decorative plate.

3. put the sliding block and positioning block into the track (as shown in the figure), then put the track into the track hole of the door leaf, fix the screws, open the door to the required angle, and fix the positioning block to prevent the door from continuing to open.

4. fix both ends of the support arm on the sliding blocks of the door opener and the slide rail respectively, and fix them with screw.

Double door (Note: the metal door shall be fixed with foot code)

Double door opening size refers to single door opening size

Screw hole (metal door only)

Corner code (metal door only)

1400≤ Maximum width of two doors≤3000

Installation steps of door opener

1. the hole position shall be reserved according to the above dimensions, as shown in the figure above.

2. connect the two door openers to the power line and the double door communication line, then put the door openers into the holes of the door frame, and fix the door openers with screws .(including stainless steel decorative plates)

3. put the sliding block and positioning block into the track (as shown in the figure), then put the track into the track hole of the door leaf, fix the screws, open the door to the required angle, and fix the positioning block to prevent the door from continuing to open.

4. fix both ends of the support arm on the sliding blocks of the door opener and the slide rail respectively, and fix them with screws.

Commissioning of single door opening equipment (determine the opening direction and starting point)

First step：After the door opener is installed, the door is opened to about 45 °. (as shown below)

Limit block
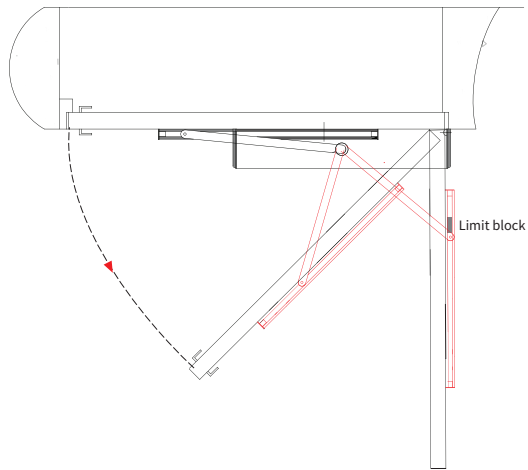
The second step：Determine the end position, place an obstacle to limit the opening angle to the desired position, open the app and press "open button [⏻ Open]", start journey learning. (See app add equipment process)

starting point

Limit block

End

starting point

Limit block

End
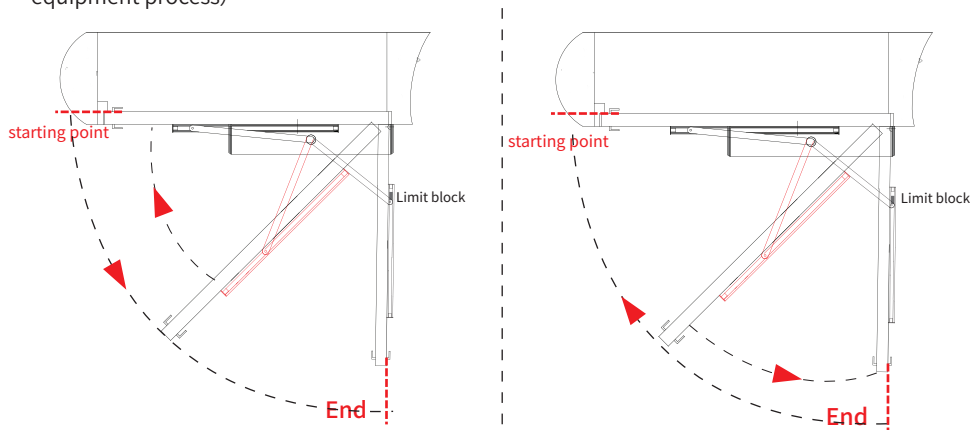
When the door moves towards the starting position, wait until the door has completed the starting and ending positions; The door needs to be reversed，Click app advanced setting–Door opening direction，Select the opposite direction. (See app ope rating instructions for details)

When the door moves towards the end position, wait until the door has finished the end and start position.

Commissioning of double door equipment

1. Double door without stop

门禁、感应器等
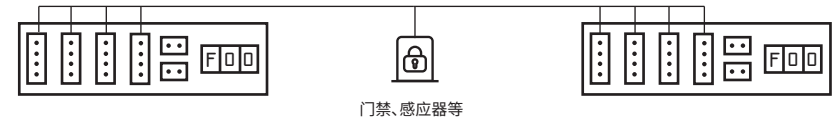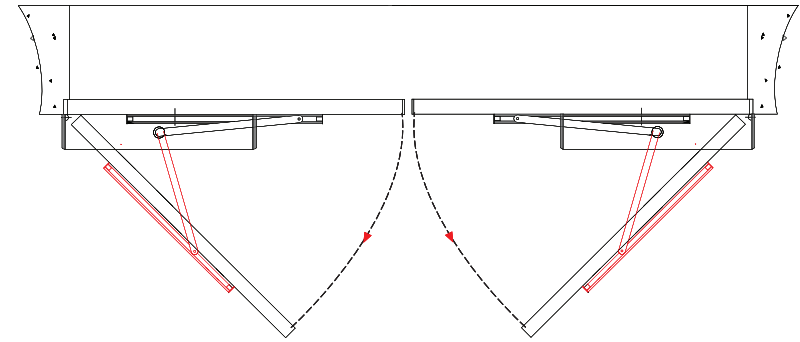
1. install 2 automatic door openers.

2. scan the QR code of the two door openers respectively, open the app, click open, and then follow the single door debugging methodCarry out travel learning, reversing and other settings.

3. connect the access control or sensing equipment to two door openers respectively, as shown in the figure above, to open the door at the same time; When single door opening is required, only one of the door openers needs to be interrupted.

2.Double door without seam

Method 1: (two door openers operate separately)

1. Install two door openers.

2. Scan the QR code of the two door openers respectively, open the app, click Open, and then carry out travel learning, reversing and other settings according to the single door opening debugging method.

3. Connect the access control or induction equipment to two door openers respectively, as shown in the figure above, to realize simultaneous door opening; When single door opening is required, just turn off one of the door openers.

Method 2: (Two door openers operate in linkage)

1. Install two door openers.

2. Connect the two door openers with communication lines, as shown in the figure above

3. Scan the QR code of any door opener as the host machine and the other as the slave machine. Open the advanced settings and select【Double opening linkage】from the【single opening/linkage】option (Note: the judgment method of host machine and slave machine: when opening the door, the automatic door opener installed on the first opened door is the host machine)

4. Open the APP adding device, click the APP ⏻ to start the journey learning (see the APP adding device process), (Note: manually open the two doors 0 ° - 30 °, as shown in the figure above), no matter whether the main door starts to move towards the opening direction or the closing direction, it is necessary to set a block at the end point, and the door opener automatically moves backward to another stop point. After the main door learning is completed, the secondary door will automatically learn without blocking, The learning will be completed when the two doors are closed

3. Switching method of double open and single open modes in case of double machine linkage

1. Double door mode switches to single door mode

When the double door mode needs to be switched to the single door mode, first power off the two devices, and then turn on the host to realize the single door pattern

2. Restore the double door mode

When the single door opening mode needs to be switched back to the double door opening mode, first turn off the power of the host, then turn on the slave power, and then turn on the host power to restore the double door opening mode

App download method

Scan the QR code and download "Niuniu smart space", click download, as shown in the figure below

niuniu-smart

1.1.4 (Build 9) · 8.29 MB
更新于: 2021-08-04 16:08

下载安装

Add device process

1.Open the app as shown in the figure
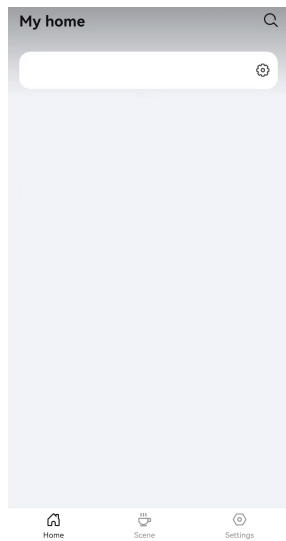
My home

Home   Scene   Settings

2.Click settings, as shown in the figure
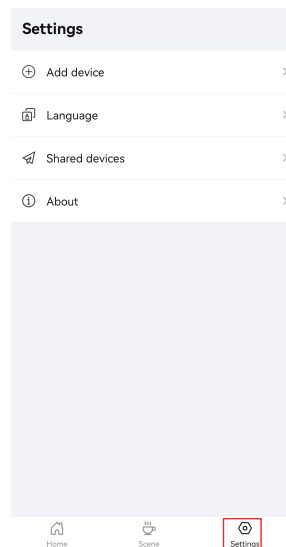
Settings

⊕ Add device

🖼 Language

🖥 Shared devices

ⓘ About

Home   Scene   Settings

3. Click Add device, as shown in the figure.
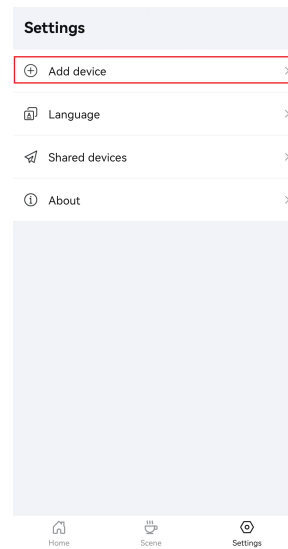
Settings

⊕ Add device

🖼 Language

🖥 Shared devices

ⓘ About

Home   Scene   Settings

4.Click Scan to add, as shown in the figure

← Add device

🔍 Search   ⊡ Scan

Combination Type

💡 Light   🪟 Curtain   🔲 Switch

5.Scan the QR code on the device, set the device name, and click add, as shown in the figure

← Add device

电动平门-8F8 ✏ Modify name

Room   客厅 ›

Add

Equipment setting, reversing, double door setting, adding remote control method

1.Return to the home page and click the added device

My home

客厅   ⚙

01

Home   Scene   Settings

2.Click more, as shown below

←

◁▷ Open   ‖ Pause   ▷◁ Close
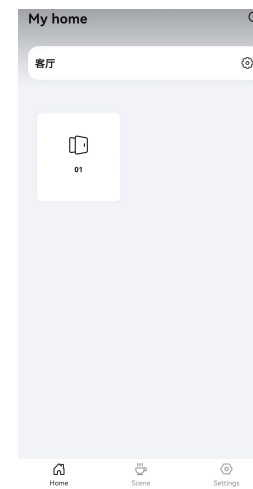
More

3.Make basic settings for the device. For more settings, click Advanced settings

More settings

First gear Second gear **Third gear**

Door opening buffer distance (the higher the gear, the l...)

Threegear

Door closing buffer distance (the higher the gear, the lor...)

Threegear

Run mode (normally open mode: it doesn't close automatica... opening, it needs to close manually.)

Normally open mode   **Normally closed mode**

Door opening dwell time

5s

Electric lock

Open   **Close**

Other

Trip study   **Advanced setting**

4.Enter the default password "736655" to enter the setting interface

More settings

First gear Second gear **Third gear**

Door opening buffer distance (the higher the gear, the l...)

Password error ✕

Threegear

Run mode (normally open mode: it doesn't close automatica... opening, it needs to close manually.)

Normally open mode   **Normally closed mode**

+	1	2	3	⌫
-	4	5	6	␣
/	7	8	9	完成
: @	,	0	.	↩

5.Click the door opening direction and select reverse direction for reversing (reversing operation)

Advanced setting

Door type

Heavy   **Light**

Door opening direction

Forward   **Reverse**

Door opening buffer speed (the higher the gear, the slow...)

First gear Second gear **Third gear** Fourth gea...

Fifth gear

Door closing buffer speed (the higher the gear, the slowe...)

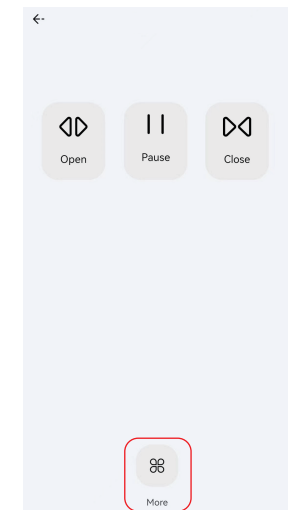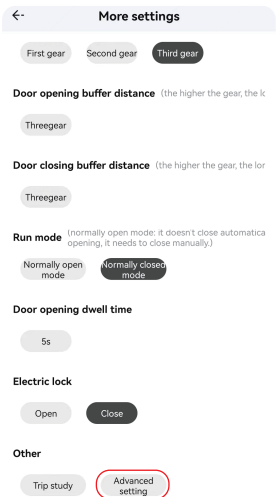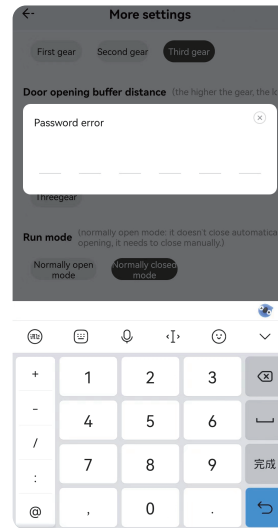First gear Second gear **Third gear** Fourth gea...

Fifth gear

Resistance sensitivity (the higher the gear, the greater th...)

First gear Second gear **Third gear** Fourth gea...

Fifth gear

Opening linkage

6.Double open door select double open parallel, add remote control, click Add remote control to enter pairing

Advanced setting

First gear Second gear **Third gear** Fourth gea...

Fifth gear

Resistance sensitivity (the higher the gear, the greater th...)

First gear Second gear **Third gear** Fourth gea...

Fifth gear

Opening linkage

Single opening linkage   Double opening linkage

One pressure normally open

Open   Close

Restore factory

Reset

Match

Add remote control   Clear remote control

1.Screen key operation method

Step 1   Step 2

Step 4   Step 5

The parameters of the door operator controller are usually adjusted to a more appropriate state at the time of delivery, and it is generally unnecessary for the user to adjust the parameters.

When the user really needs to adjust the parameters, he can set the parameters by pressing the keys and set with the LCD screen. In order to protect the environment and save energy, the LCD screen on the door opener control is usually in the rest state.

After pressing any key, the LCD will light up.

Press the middle confirmation key to make the specific parameter value behind the current selection appear in the reverse color display. Press the up / down key to modify the specific value of the current selection;

Press the middle key to confirm the seting so that the specific parameter value behind the current selection item is not displayed in reverse color. Press the up and down keys to switch different parameter setting
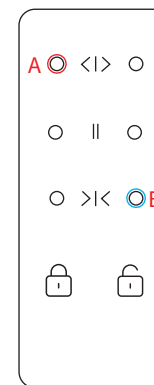
Remote control docking and use method

matching method of key remote controlle

1、add remote controller to app

(1) Open the app, find the device you want to remote control, enter【advanced settings】, and click Add remote control

(2) After clicking【add remote controller】, quickly press the door opening key and door closing key on the remote controller simultaneously (Note: Press and hold the A and B keys at the same time to press several times continuously) to complete remote control matching.

2. add remote controller to the door operator button

(1) After operating the equipment【add a / b remote control】, the door operator will give out the interval sound of "tick".

(2) After clicking【add remote controller】, quickly press the door opening key and door closing key on the remote controller simultaneously (Note: no matter left or right buttons can be pressed at the same time, and can be pressed several times continuously) to complete remote control matching.

(3) The number after【add remote controller a / b】increases cumulatively。
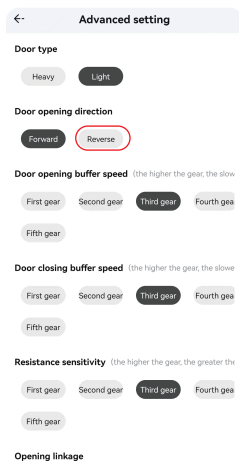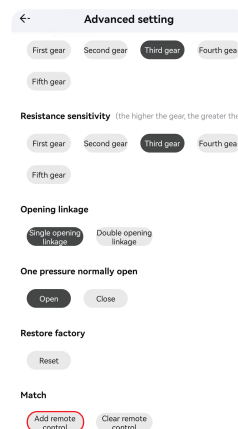
Product function settings

Door opening speed gear	When the door opening speed is too fast or too slow, adjust the door opening speed gear
Door opening buffer distance	When the weight of the door is too heavy, the buffer distance needs to be increased (the first gear distance is the shortest)
Journey learning	When the opening and closing positions cannot reach the preset position, the travel learning can be carried out again
Operation mode	Select when normally open or normally closed is required
Resistance sensitivity	When the force of opening and closing the door is too large, adjust it (the first gear has the least force)
One pressure normally open	When the door is opened in place, press the door for 5 seconds, and it will automatically change to the normally open mode, which will end after the next door closing
Door opening dwell time	The longer the time, the longer the dwell time of automatic closing after opening the door
Electric lock	Setting the lock function will let the concealed mortise lock close the door when in closed postion. If the door should not be locked, turn off this function.
Remote control paring	Click Add remote controller to enter the oairing mode (up to 4 remote controls can be matched). Clear remote control: will clear all remote controls.
Restore factory	Clear all user settings

App control: mobile app control, parameter setting

Wireless remote control: fully automatic intelligent lock unlocking after wireless code matching. The back door machine automatically opens the door and can also be controlled remotely

Induction control: infrared induction technology, when people close to the induction area, they can automatically open and close the door

Infrared anti pinch: in the anti pinch area, the door leaf is opened but not closed

The automatic door opener can be externally connected with the access control system

Self closing door: after the door is opened, it can close automatically

Normally open mode: it does not close automatically after opening the door

Return in case of obstruction: when an obstacle is encountered during closing, the door returns to the open state

Manual start: when the door is pulled by hand for more than 5cm, the motor starts to realize automatic opening and closing

Manual push function: after power failure, the motor has a unique structure to ensure that the door can be opened easily
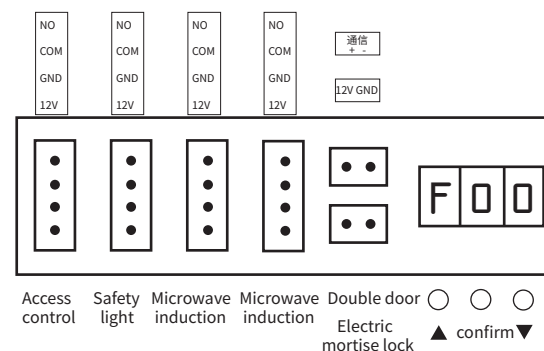
F00--Operation mode 1. Normally closed mode 2. Normally open mode

F01--Door opening direction 0. Reverse door opening 1. Front door opening

F02--Door opening speed   The higher the value, the faster the speed

F03--closing speed   The higher the value, the faster the speed

F04--Hold open Duration set range: 1-30s

F05--Resistance sensitivity   The setting range is 1-5, The greater the value, the greater the resistance

F06--Add remote control   1/2/3/4/5Add remote control   0.Delete remote control

F07--Electric lock switch   0. Unlock   1. Lock

F08--Single and double opening mode   0. Double door   1. Single door

F09--reset   Set 1. Press to confirm to restore to the factory setting

F10--Door type selection 0. Heavy duty door   1. Light door

Warning

In case of power failure, the door opener will automatically find the starting position when power is back.In case of obstruction during this operation, please close the power button and restart to let the cycle restart from scratch.

Warm suggestions

1. Restart the door operator regularly (once every half a year).
2. Regularly check all fixing screws of the door operator to prevent poor operation caused by loose screws.

Matching method of hand scan inducti on remote controller

1.App add remote control

(1) Open the remote controller, and press and hold the 【on/off button】 for 5S to start the device.

(2) Press the 【on/off button】once to make the indicator light stay blue and enter the codematching mode

(3) Open the app, find the device you want to remote control, enter 【advanced settings】, and click Add a remote control

(4) Then press the 【on/off button】 again to cancel the blue light

2. add remote controller to the door operator button

(1) Open the remote controller, and press and hold the 【on/off button】for 5S to start the device.

(2) Press the 【on/off button】once to make the indicator light stay blue and enter the code matching mode

(3) After operating the equipment 【add a / b remote control】, the door opener will give out the interval sound of "tick".

(4) The numbers behind 【add remote controller a / b】 are incremented, and then press 【on/off button】 again to cancel the blue light.

WAVE

Mtion sensor
LED

usb charging plug   ON/OFF button

Note: When the electric lock function is turned on, and the door is closed and locked, press the APP or the pause button of the remote control, the remote control A can shield the signal of the remote control B, so that the remote control B cannot be used

unction description

Opening/closing speed gear	Adjust the opening/closing speed. The first gear is the slowest and the third gear is the fastest
Buffer distance of opening/ closing door	Adjust the door opening/closing buffer distance. The first gear is the shortest and the ninth gear is the longest
Buffer speed of opening/ closing door	Adjust the speed of the door opening/closing buffer distance. The first gear is the fastest and the fifth gear is the slowest
Door opening dwell time	Adjust the door opening dwell time, 1-30S adjustable
Door opening direction	Adjust the door opening direction. When the actual door opening direction is opposite to the demand direction, it is used for reversing
Normally open/normally closed mode	Normally open mode: the door is not closed after opening; Normally closed mode: the door closes automatically after opening
Obstacle sensitivity	Adjust the force when continuing to move after encountering resistance, with 1 as the minimum and 5 as the maximum
Electric lock	When the product is connected to the electric plug lock, 0 is the function of closing the electric lock; 1 is to open the electric lock function
Closing impulse	The impact speed when the door leaves are closed, the 0 gear is cancelled, the 1 gear is the minimum, and the 5 gear is the maximum, which is suitable for the adhesive strips of different door leaves

Maximum speed gear	Adjust the opening/closing speed. The first gear is the slowest and the ninth gear is the fastest
Low speed buffer distance	Adjust the distance between the door leaf and the end point when closing the door. The first gear is the shortest and the ninth gear is the longest
First pressure normally open	When the door leaf is opened, press the door leaf to keep it normally open
Journey learning	For door leaf automatic learning stroke
Double door	When the door leaf is a double door, it is set as a double door
Host/slave	When double door is set, master/slave is required, and 0 is slave; 1 is the host
Linkage time	When the door leaf is a double door, it is used to adjust the time interval between the opening/closing of two doors. The larger the number, the longer the interval
Add A/B remote control	It is used to add a remote controller. The function of A/B remote control is the same. A/B can add 4 remote control devices respectively
Door closing retention	Adjust the force when the door is closed to the closing end position
Closing pressing time	Adjust the pressing time when the door is closed to the closing end position
Clear remote control	Clear all remote controls
Restore factory settings	Used to reset the product and restore the equipment to the factory state
Reaction sensitivity	The default setting is 5. When the door body is too heavy or light, and the door body shakes during operation, the parameter is increased or decreased

Warning

In case of power failure, the door opener will automatically find the starting position when power is back.In case of obstruction during this operation, please close the power button and restart to let the cycle restart from scratch.

Warm suggestions

1. Restart the door operator regularly (once every half a year).

2. Regularly check all fixing screws of the door operator to prevent poor operation caused by loose screws.