Heimdall 150

Context

ATTENTIONS

1. Please refer to the figure below to confirm whether the installation environment meets teh requirement.

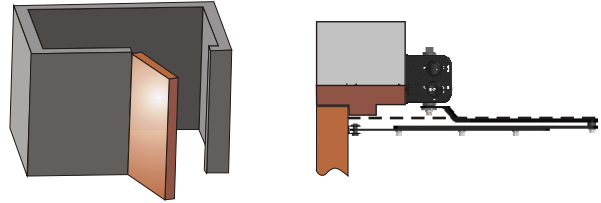【In-swing door】 Pull arm has to be higher than the door leaf

door leaf minimum of 81 cm
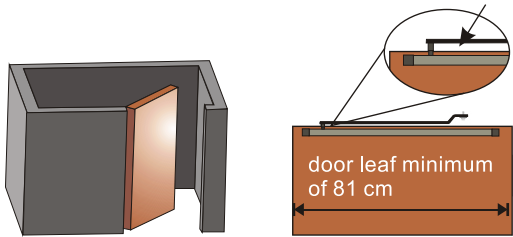
【Out-swing door】 Push arm has to be lower than door stop.

2. The location of the installation must be indoors and close to the hinge.
3. Please push and pull the door leaf to check if the actions are smooth. Improvement must be made if there is resistance or the action is not smooth to avoid abnormal operation of the automatic door operator.
4. Please remove the handle (if any) to avoid pushing or pulling the door handle the at might cause incorrect door positioning.
5. Please remove door bow or ground hinge (if any) of the door leaf.
6. Please install an external collision detector in disabled area or to enhance safety.
7. Please make sure both door frame and door leaf are on the same level when installing on the in-swing door.
8. Please make sure to follow positioning sticker or manual instructions when install in the unit to avoid misplaced door positioning or unable to operate.
9. Please use a spirit level to reduce horizontal errors when installing the unit.

## ENVIRONMENT REQUIREMENTS FOR USING TRACK FOR IN-SWING DOOR

The best installation condition.
Door frame, door leaf and wall are on the same level.

Gap needs to be filled before installation.

Minimum of 14cm of space above the door leaf is required to install. Please install it as flip mode when the space is insufficient.

The maximum gap of the wall is within 15cm.

Wall

Door frame

Door leaf

Outdoors   Indoors

14cm
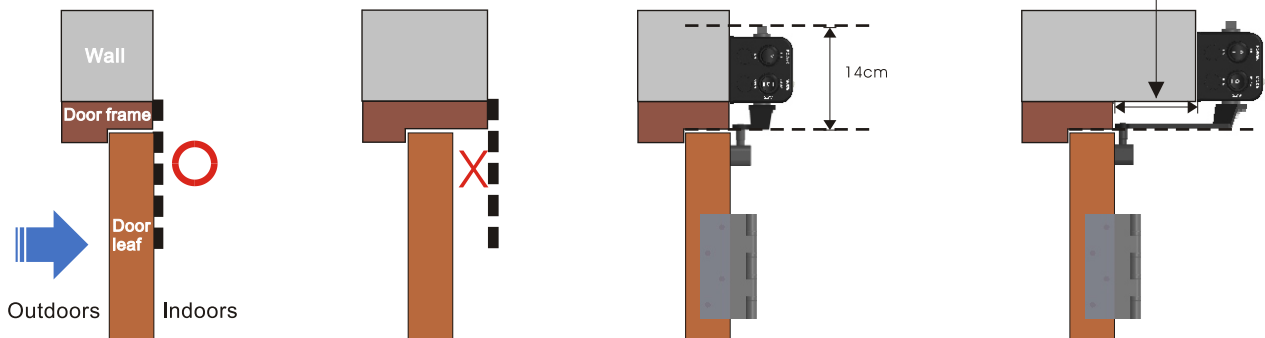
Please fill the gap or purchase an optional extension when the wall is lower than the door frame.

Minimum of 7.5 cm of space is required for flip mode installation

The maximum gap of the wall is within 45cm, door frame's thickness must be over 3.8cm and optional sleeve is used when it is over 4.5cm of thickness when the unit is installed in flip mode.
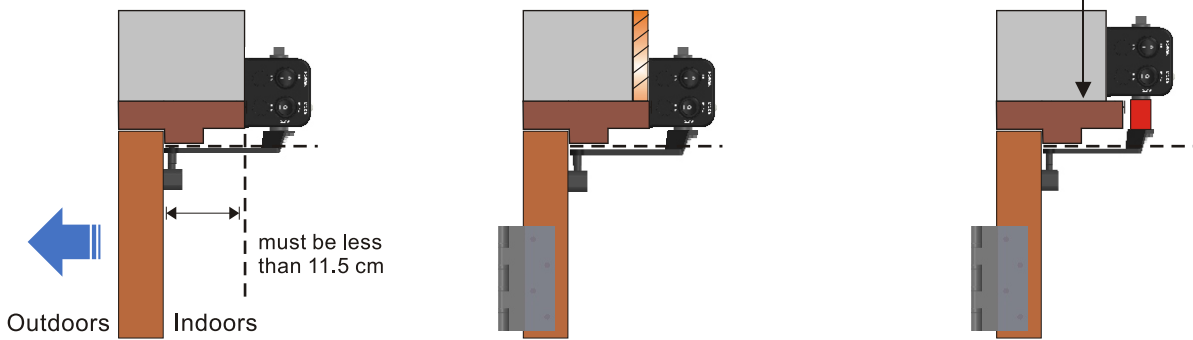
Fill the gap

>3.5cm   Extension

7.5cm

3.8cm above
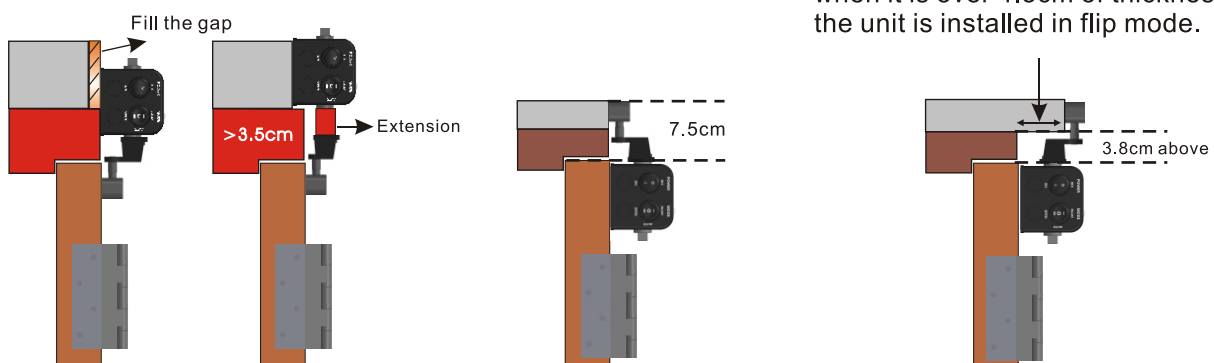
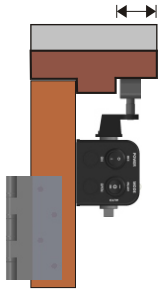## ENVIRONMENT REQUIREMENTS FOR USING TRACK FOR OUT-SWING DOOR

Maximum gap of 11.5 cm

Please fill the gap between the wall or purchase a extension.

Please purchase a extension when the thickness of the door frame exceeds 46 cm.

must be less than 11.5 cm

Outdoors   Indoors

【Flip Mode】

at least 2.4 cm

at least 2.4 cm
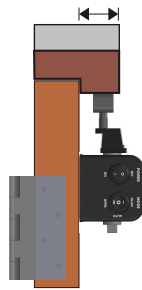
at least 2.4 cm
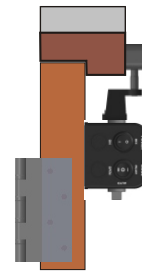
ENVIRONMENT REQUIREMENT USING DRIVE ARM FOR OUT-SWING DOOR

space of 110 mm and above is required

lever arm has to be lower than the door stop.

50mm

100mm
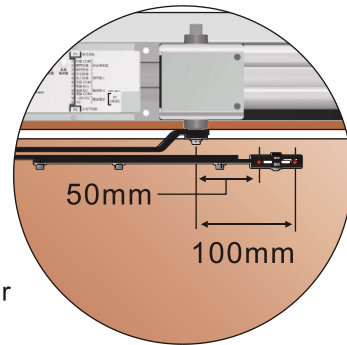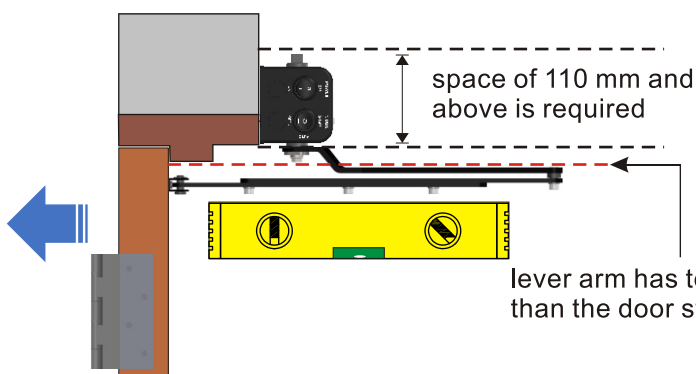
⚠ INCORRECT POSITION OF THE TRIPOD MAY AFTER THE DOOR OPEN ANGLE.

DIAGRAM OF THE RELATION BETWEEN DOOR LEAF AND DOOR WEIGHT LIMIT
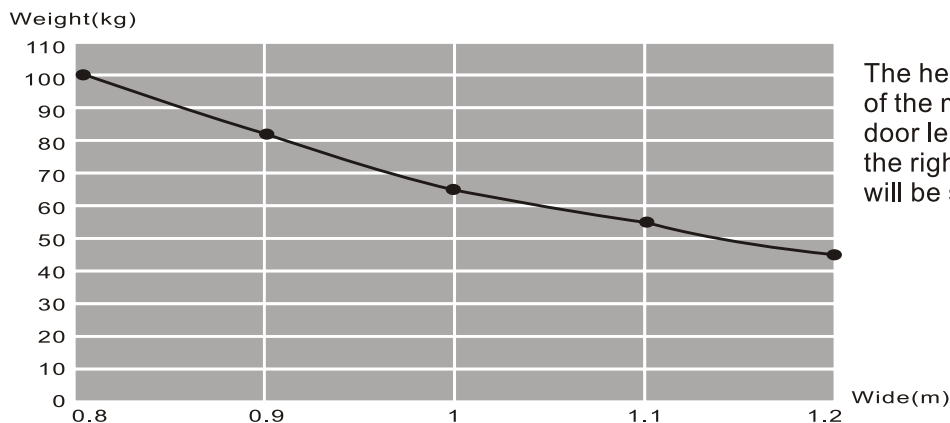
Weight(kg)

The heavier of the door leaf, the greater of the motion inertia. If the width of the door leaf and door weight are exceeding the right diagram, door opening speed will be slower and unable to stop.

Wide(m)

Product Features

- Provide automatic self-closing function, without touching the doorknob for accessing move conveniently.
- Built-in Bluetooth, advanced fine-turning settings using APP interface.
- Two types of force arm to select to solve the gap between the door frame and the door leaf within 30cm.
- Automatic position learning and thrust force safety with are press button to start. easy installation without complicated setting procedures.
- It is available to install on door frame or door leaf. Move flexibility of installation for more complicated.
- Optional 2.4G automatic door access control transmitter or 315/433 MHz controller available to purchase to provide long distant door open function.
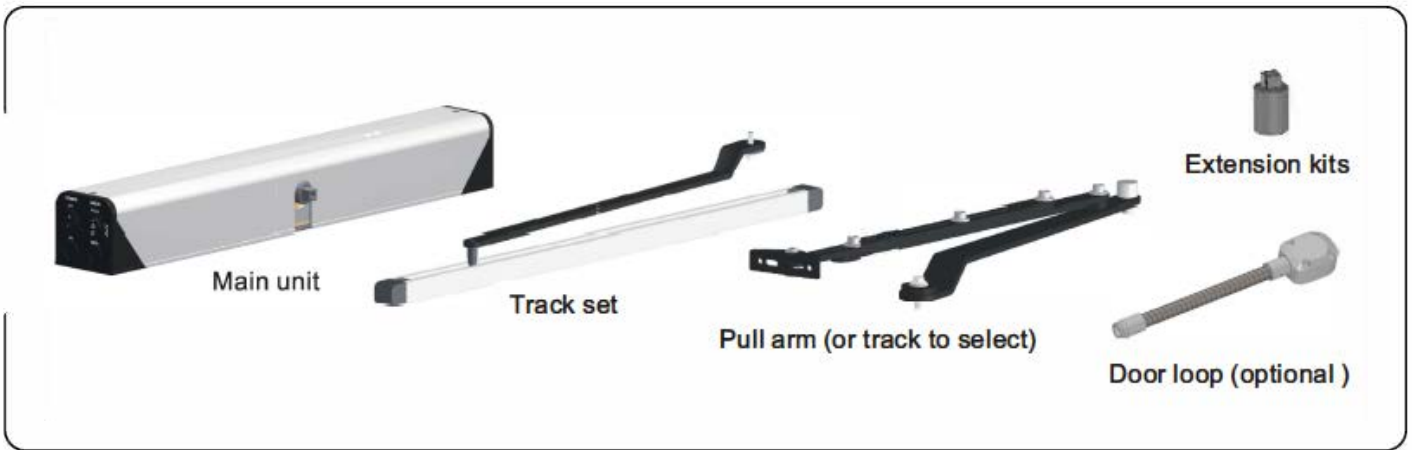- Centered bilateral output shaft available for output position to select according to the environment. optional door loop to purchase to protect the external wires.
- Chute lever arm using balls shaft to reduce noise and extend its service life. Patented roller design to allow larger installation error or flatness of door leaf and door frame.
- Safety protection mechanism. The main unit is equipped with built-in proximity protection anti-collision functions. The protection mechanism is activated immediately once it touches an abject. Two sets of external proximity protection input points are provided (door open proximity protection point, door close proximity protection point) to achieve a complete safety protection.
- Additional of 1.5 kg of force is added to push open the door when power failure happens and it does not impede escape during emergency. **Please use a fail-safe electric lock when user needs to use the door arbitrarily under power failure.**

SPECIFICATION	
Power supply	100~240VAC ±15%，50/60 Hz
Power consumption	72W(3A@DC24V)
Maximum output force	45Nm
Surrounding temperature	−20~60° C
Door width	min. 81cm~ max. 120 cm
Door weight	100 Kg
Opening angle	120 °
Reveal depth	Track set (in-swing door) : 0~15cm Track set (out-swing door) : 0~11.5 cm (maxi of door open angle will be less than 120° when it is exceeding 11.5 cm) Push arm (out-swing door) : 10~30 cm
Input point	Door open points×2、lock status、24VDC supply back-up、safty sensor×2、interlock system
Output point	Electrolock output contacts (NO/NC/COM)/ 0.5A@DC24V
Operating mode	Main unit built-in : always open/ always close (external switch is required)/ one way/ fully automatic
Historical data	5,000 records (available to inquire from App)
Door open time	1~255 sec.
Frequency	315/433MHz(transmitter) / 2.4G (bluetooth)
Status display	Dual-LED×2(action/ communication indicator)
Transmitter capacity	750 transmitters (optional)
Buzzer	Built-in buzzer
Noise exposure	77db
Dimensions	532(L)x74.2(W)x70(H) (mm)
Weight	5000g

:

:

Product Contents

Main unit | Track set | Pull arm (or track to select) | Extension kits | Door loop (optional)
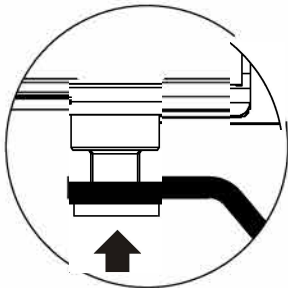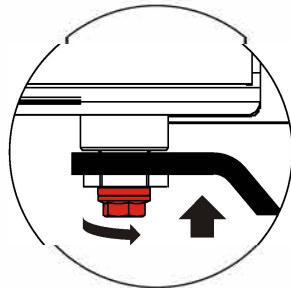
- Track set is suitable for most door leaf
- Optional of pull arm to purchase if the gap between both out-swing door's door leaf and door frame is exceeding 11 cm and above.
- Optional of door loop (SSD-50/60) to protect the external wores when the unit is intalled on the door leaf.
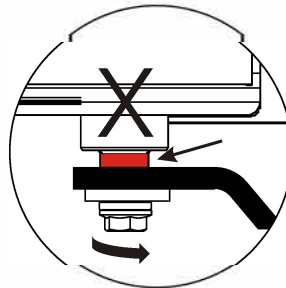
1. Models

2. Installation of push arm/ track set

Install the push arm into the drive shaft.

Use a hex bolt to screw both push arm and drive shaft tightly.

Under normal circumstances, there is no gap between the push arm and the output shaft when in use.
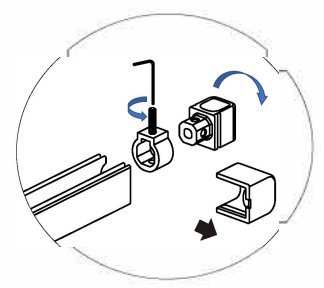
Please adjust the fixed direction of the track according to the environment.

Please do not screw it tightly before making sure of the installation position.

Door open directions :
The direction of the door open in accordance to the unit which is installed indoors.

In-swing door opens on the left.
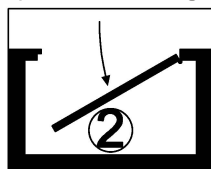
In-swing door opens on the right

Out-swing door opens on the left

Out-swing door opens on the right

① ② ③ ④

Upper cover

Door loop (optional)

Power/ Modes

Motor and gear boxes
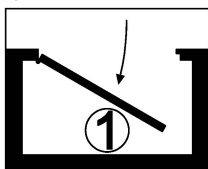
Dustcover

Main control board

Outlet hole/ Conduit hole door loop

AC power socket

Cover screw

Drive shaft

communication indicator

operation indicator

※ Dual drive shaft. Please select an appropriate drive shaft in accordance to the environment.

Accessories

M5×16 screw ×2

M5×20 screw ×8

M6 screw ×1

Cover screw ×2

M6 washer ×1

Dustcover ×1
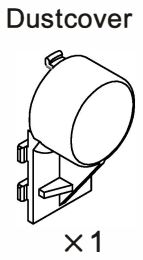
M2 Allenkey ×1

M3 Allenkey ×1

M5 Allenkey ×1
Pull arm only

Alignment sticker×1

Front

Back(sticker)

Extension kits (optional)

M6 screw ×1

Extension ×1

532

98

74

70

510

473

213

52

40

40

20

20

53

20

255

620

Screw hole

24

M5

Stopper

side cover

steering ring

41.5

22.5

22.5

50

392~593

13.5

Stopper

30
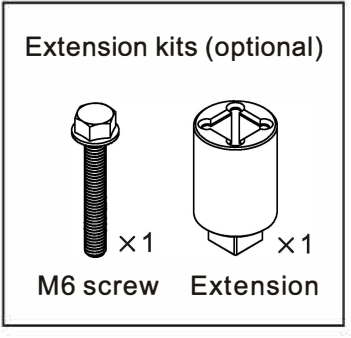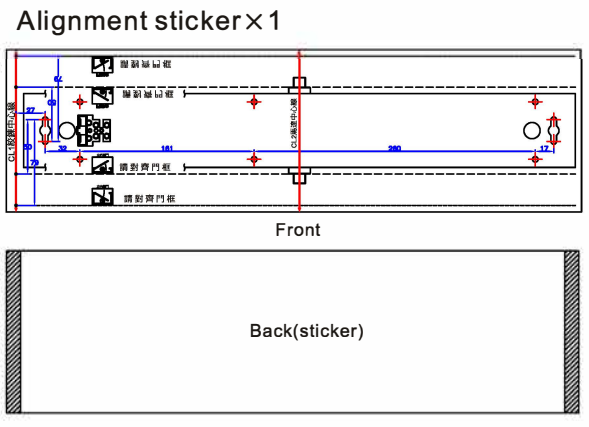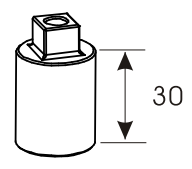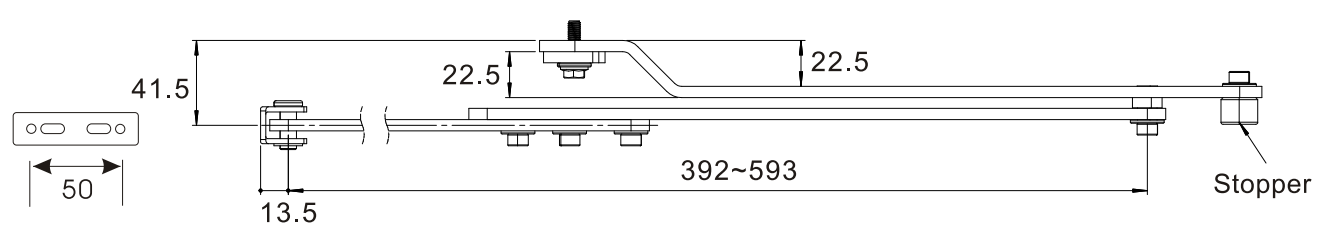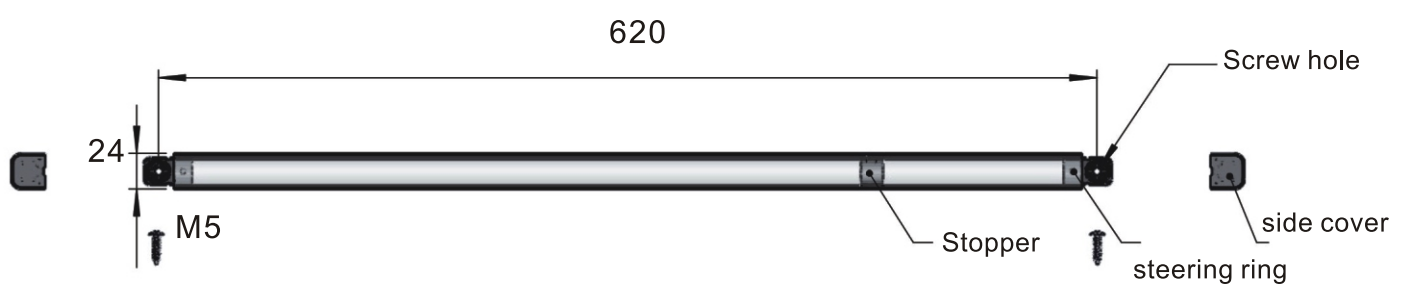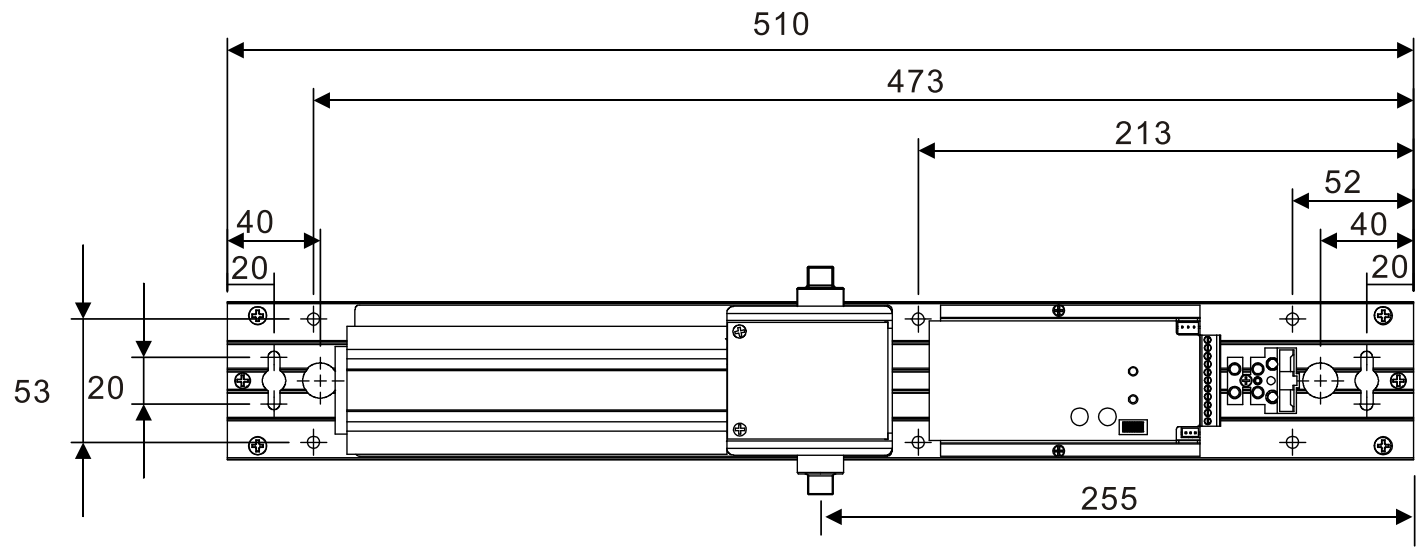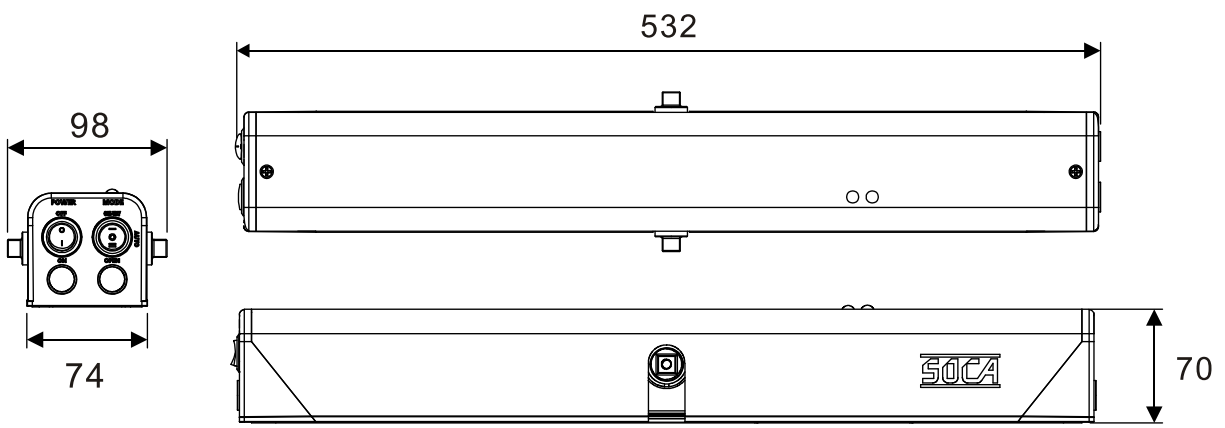
Unit : mm

Installation Instructions

(Please refer to the corresponding installation instructions according to the environment)

☑ Both the wall and the door frame are on the same level is the best installation environment.

☑ Please fill the gap or refer to P15~17 of the relevant position to evaluate if the unit is able to install and self-positioning is required when both are not on the same level

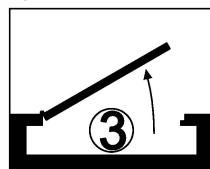## ▶ 1. Track combinations (In-swing door installation)
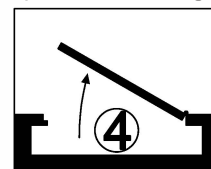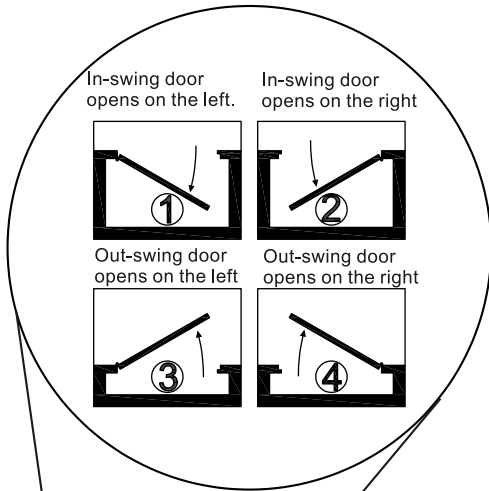
In-swing door opens on the left.

In-swing door opens on the right

① ②

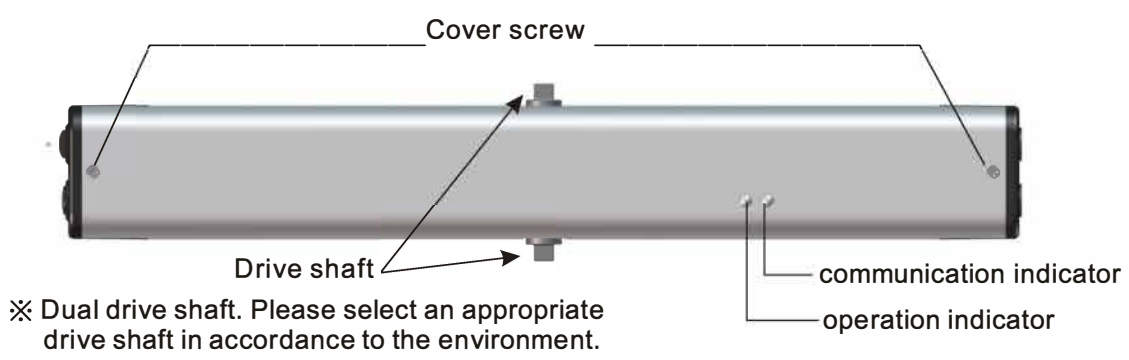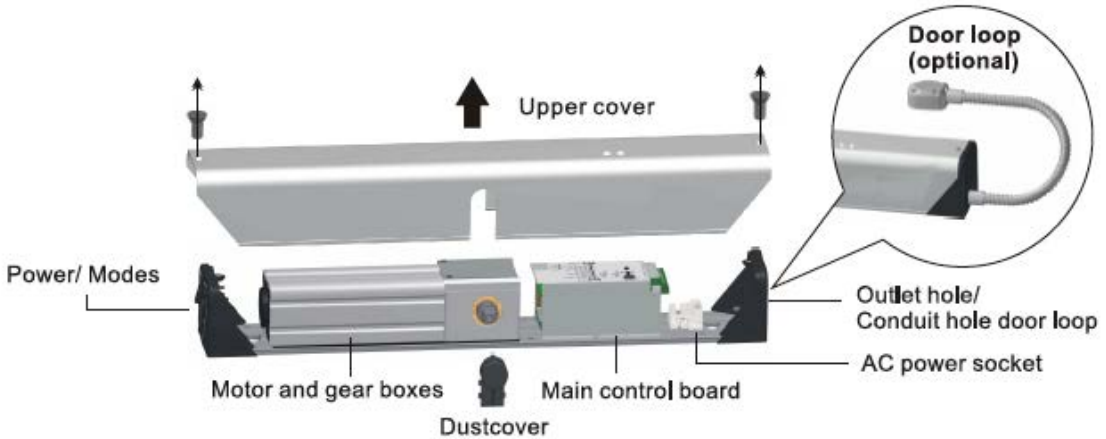Out-swing door opens on the left

Out-swing door opens on the right

③ ④

1 Please use the positioning sticker for the unit installation position according to the matching door shown. (Diagram ① is selected as the example of the installation.)
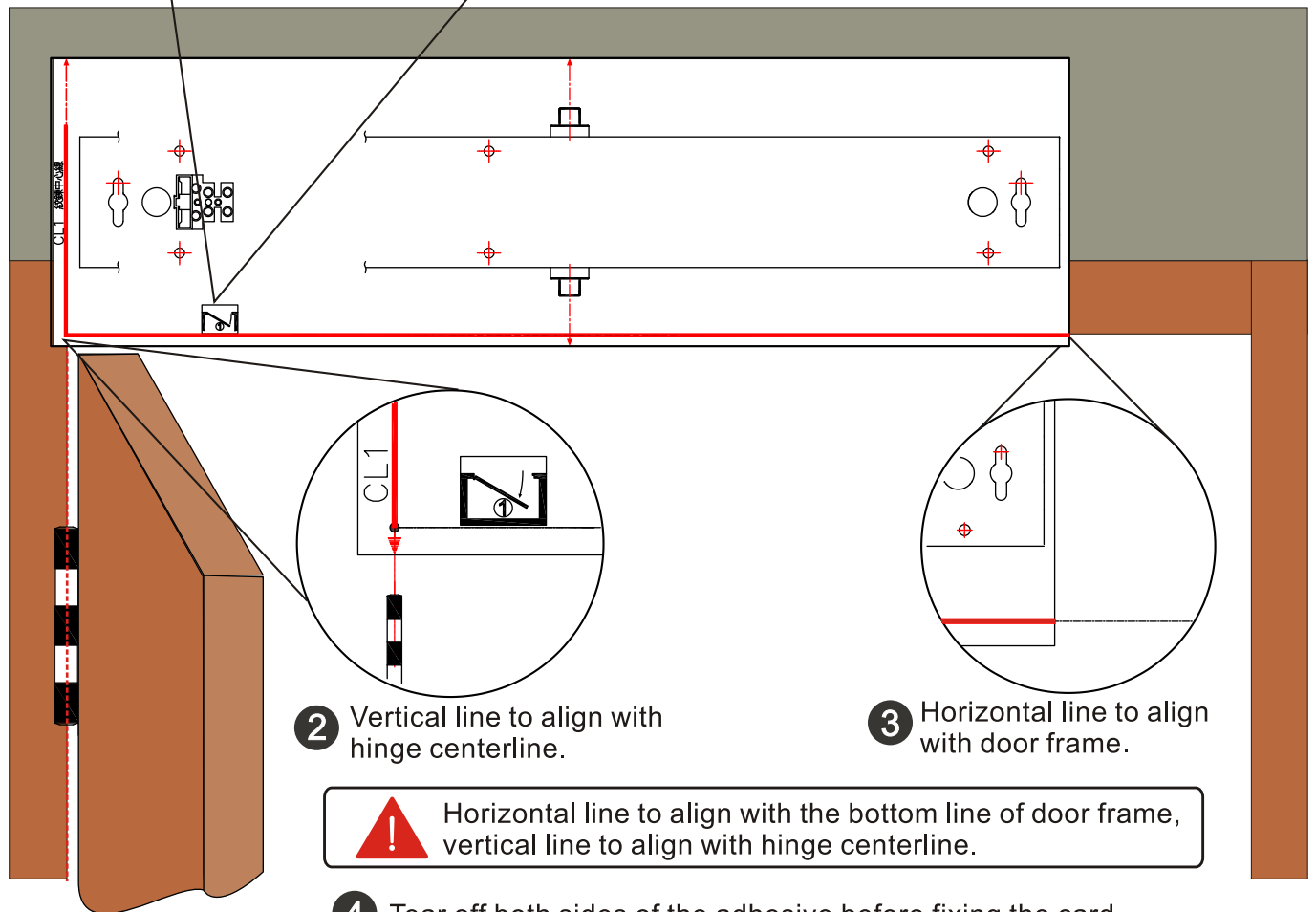
CL1

CL1

①

2 Vertical line to align with hinge centerline.

3 Horizontal line to align with door frame.

⚠ Horizontal line to align with the bottom line of door frame, vertical line to align with hinge centerline.

4 Tear off both sides of the adhesive before fixing the card.

5 Drill holes according to the indication of the sticker.

6 Remove the sticker, tighten both sides of hanging hole with screws.

7 Mount the main unit and tighten with the remaining fixing screws.

8 Install the push arm and screw it tight with hex bolt. Please make sure the track position before screwing it tightly as output shaft and push arm have tight fit design which is not easy to dismantle once it is tightly screwed.

9 Install the track close to the door leaf.

10 45mm

11 177cm from the edge

Fix the track after keeping it level.

12 Cover it with dustcover

Please do not exceed 120° for the maximum degree.

Stopper is used to limit maximum door open position to avoid hitting on other objects (such as wall).

13 Loosen the stopper screws, push the door manually to the desired maximum position. Use push arm ball to push the stopper to the right position and screw tightly to finish the installation.

In-swing door opens on the left.

In-swing door opens on the right

① ②

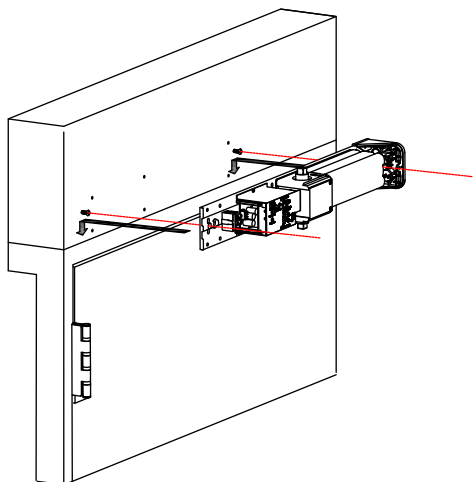Out-swing door opens on the left

Out-swing door opens on the right

③ ④

1 Please use the positioning sticker for the unit installation position according to the matching door shown. (Diagram ③ is selected as the example of the installation.)

CL1

③

2 Vertical line to align with hinge centerline.

3 Horizontal line to align with door frame.

⚠ Horizontal line to align with the bottom line of door frame, vertical line to align with hinge centerline.

4 Tear off both sides of the adhesive before fixing the card.

5 Drill holes according to the indication of the sticker.

6 Remove the sticker, tighten both sides of hanging hole with screws.

7 Mount the main unit and tighten with the remaining fixing screws.

8

Install the push arm and screw it tight with hex bolt. Please make sure the track position before screwing it tightly as output shaft and push arm have tight fit design which is not easy to dismantle once it is tightly screwed.

10 45mm

9 Install the track close to the door leaf.

Fix the track after keeping it level.

11 Reserve 10mm of buffer space.

13 Loosen the stopper screws, push the door manually to the desired maximum position. Use push arm ball to push the stopper to the right position and screw tightly to finish the installation.

14 Please refer to page 6 wiring and preliminary test for the following steps.

Please do not exceed 90° of maximum angle.

12 Cover it with dustcover

In-swing door opens on the left.

In-swing door opens on the right

① ②

Out-swing door opens on the left

Out-swing door opens on the right

③ ④

1 Please use the positioning sticker for the unit installation position according to the matching door shown. (Diagram ③ is selected as the example of the installation.)
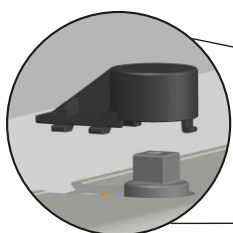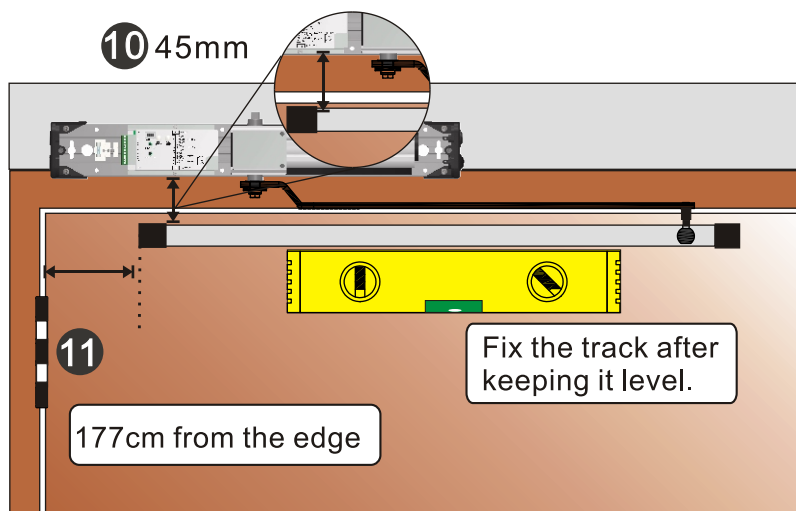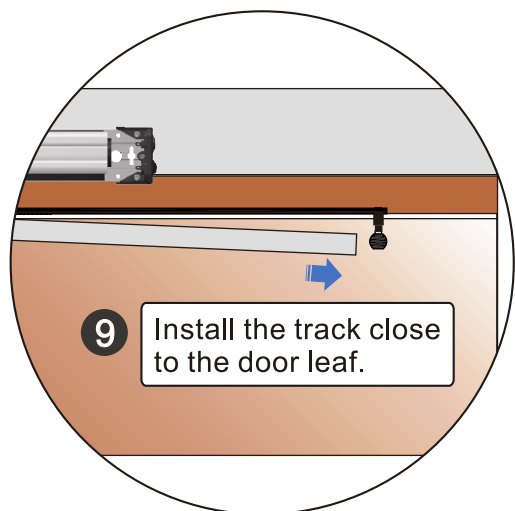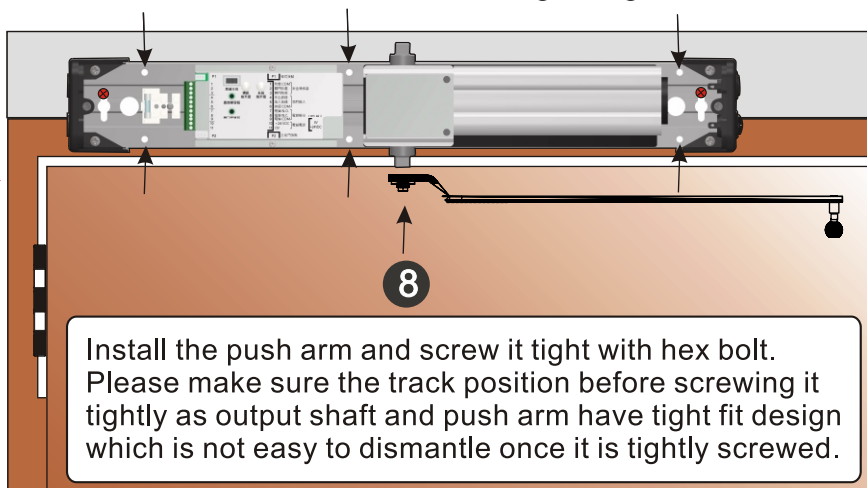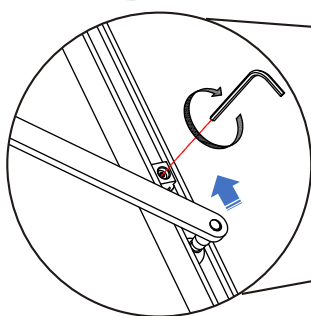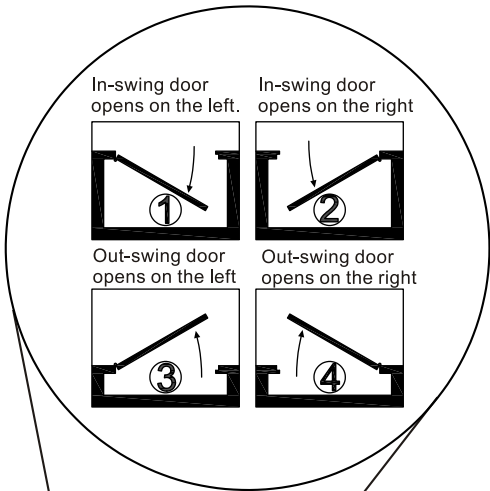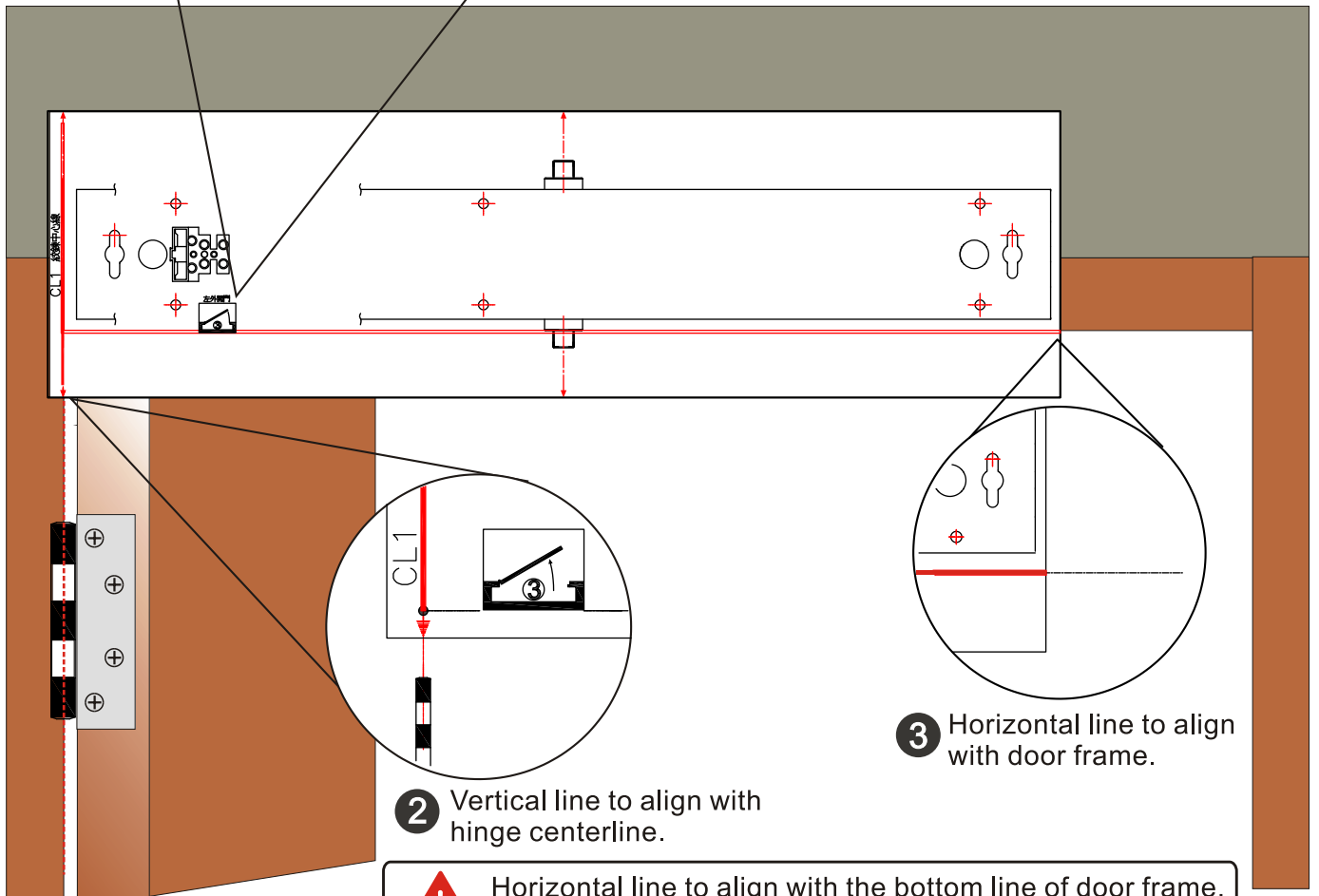
CL1
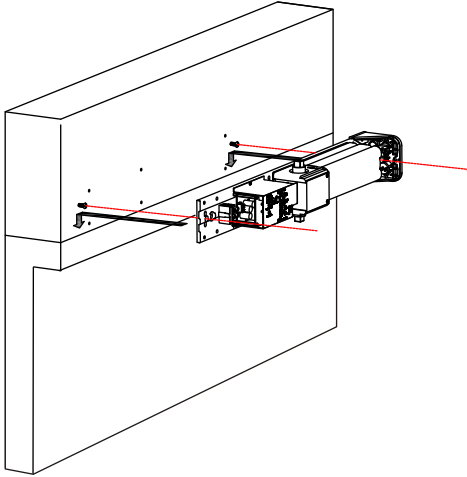
2 Vertical line to align with hinge centerline.

3 Horizontal line to align with door frame.

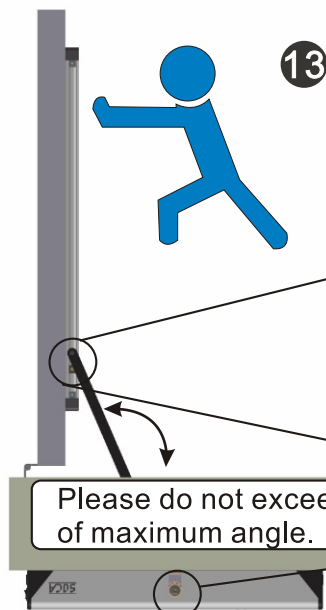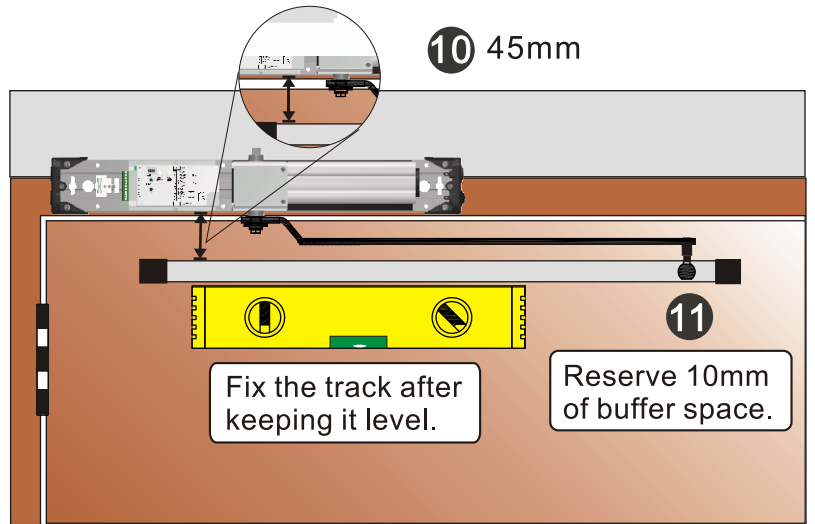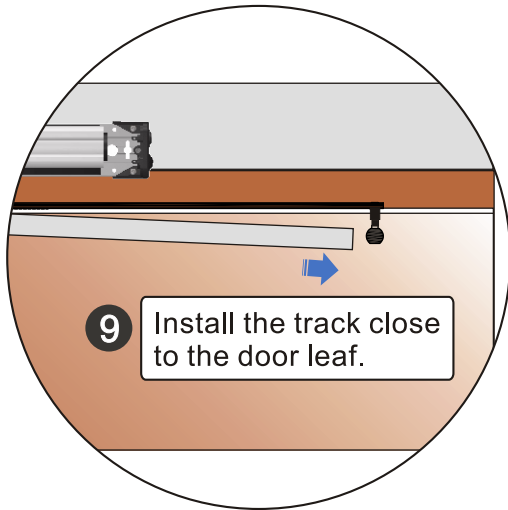⚠ Horizontal line to align with the bottom line of door frame, vertical line to align with hinge centerline.
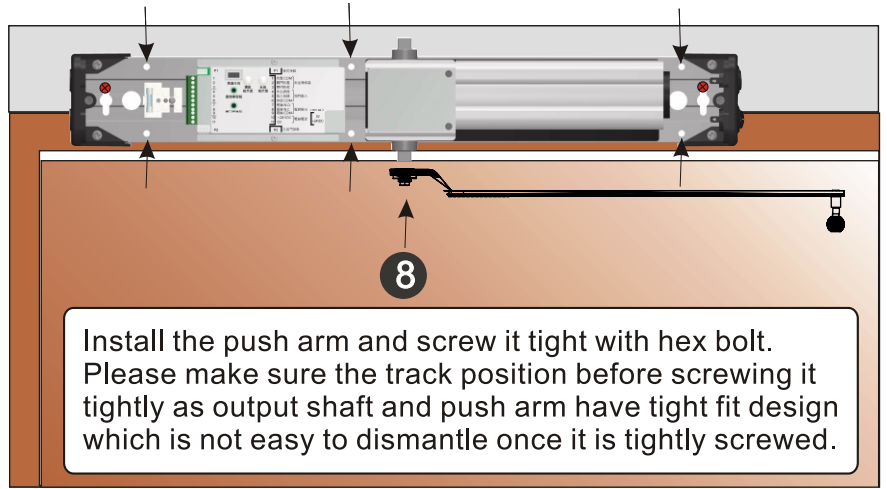
4 Tear off both sides of the adhesive before fixing the card.

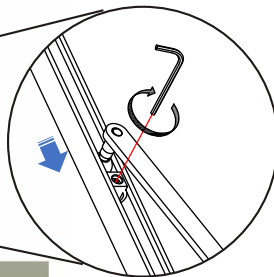**5** Drill holes according to the indication of the sticker.

6 Remove the sticker, tighten both sides of hanging hole with screws.

7 Mount the main unit and tighten with the remaining fixing screws.

8

Install the push arm and screw it tight with hex bolt. Please make sure the track position before screwing it tightly as output shaft and push arm have tight fit design which is not easy to dismantle once it is tightly screwed.

50mm

100mm

47.5mm

9

The distance between the screw hole of the push arm tripod and the centre of the motor output shaft is 50mm/ 100mm. Door open angle will be affected if the position of the tripod is incorrect.

39mm

X

O

⚠ Door will be unable to open if the tripod is installed between the output shaft and the hinge.

11

Please loosen the screws to adjust the push arm. Adjust and screw the telescopic push arm tightly at 90 degrees to the door leaf to complete the installation.

Please keep 90°
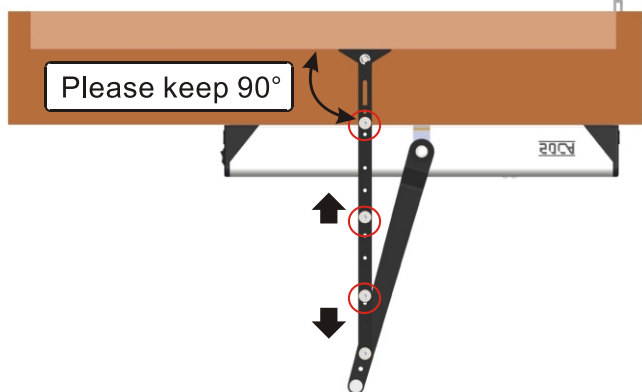
10 Install the dust cover.
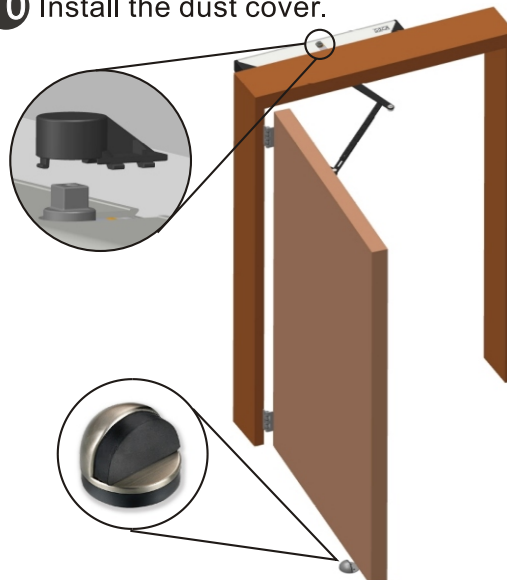
12 Install the doors stopper (self-provided).

1 Please make sure the power button is OFF.

POWER   MODE
OFF   ONE-WAY
ON   OPEN

2 Connect to AC power

AC100~240V
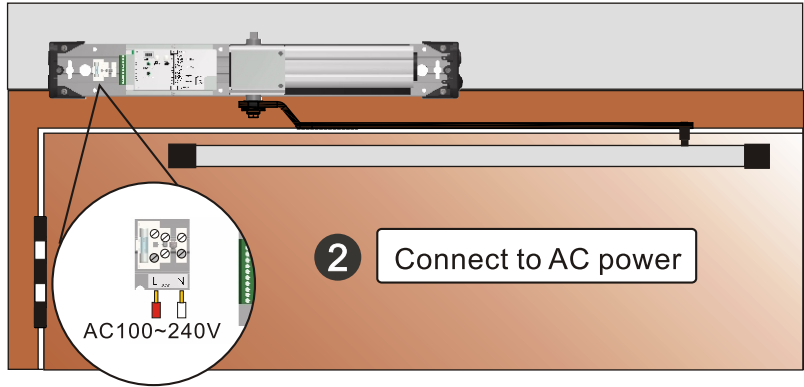
3 ⚠ Clear off an obstacles of the door leaf operation area.
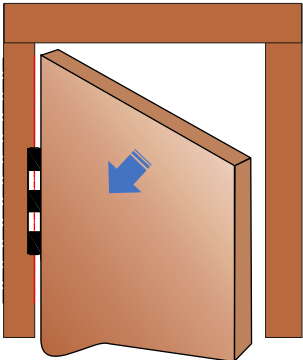
4 Turn on the power.
Beep sound once to boot.

POWER   MODE
OFF   ONE-WAY
ON   OPEN

5
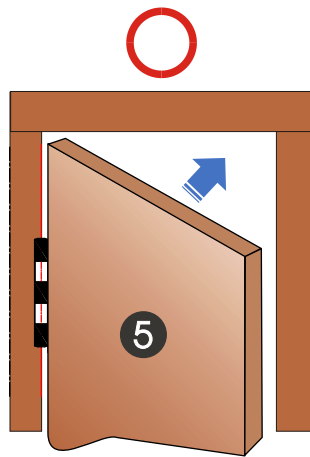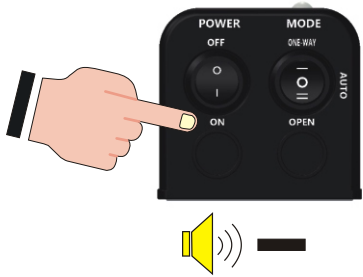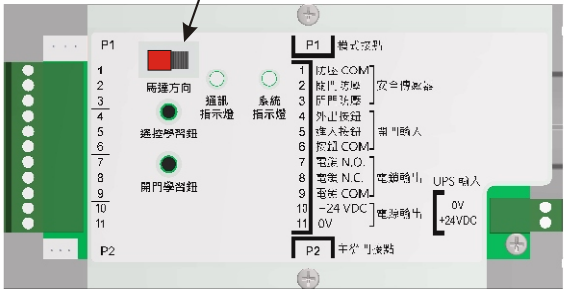
Door leaf moves slowly toward the closing direction to find its original closing point.
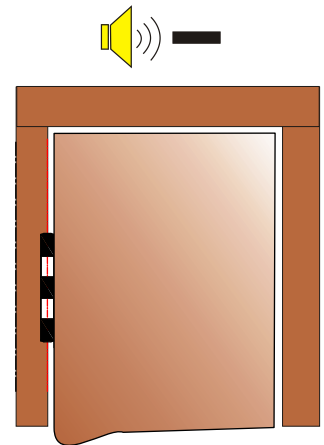
One long beep sound to indicate original closing point is found.

X

Direction of the motors

P1

1 防盗 COM
2 旋門 感應   双台傳感器
3 防門 防夾
4 外止按鈕
5 進入 松鈕   開門啊人
6 按鈕 COM
7 電鎖 N.O.
8 電鎖 N.C.   電鎖啊引
9 電鎖 COM
10 -24 VDC   電鎖啊引
11 0V

P1 模式次別
P2 手作 當開點

撮訊 指示燈
系統 指示燈
遙控學習鈕
開門學習鈕

隔鐘方向

UPS 咄入
0V
+24VDC

P2

Please turn off the power and asjust the motor switch to change the direction when door open direction is incorrect during the initial power on.

6 Switch the mode as OPEN
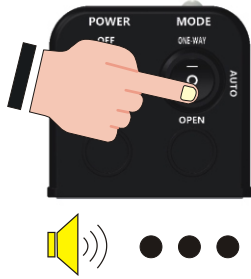
3 beep sounds
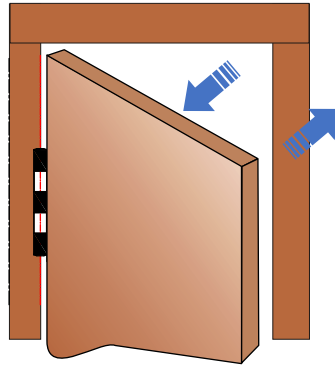
Door opening slowly→ Door closing once to learn position point
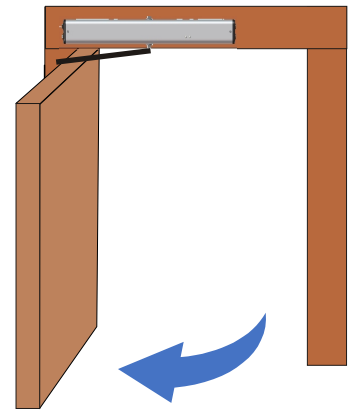
Automatic door opening to setting position

One long beep sound to indicate positioning point is found

⚠ Please turn off the power, clear off all execute steps 4~7 again when obstacles are found to cause incorrect position during the learning process.

---

7 Switch the mode as AUTO
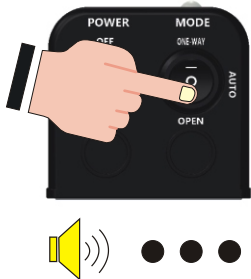
3 beep sounds
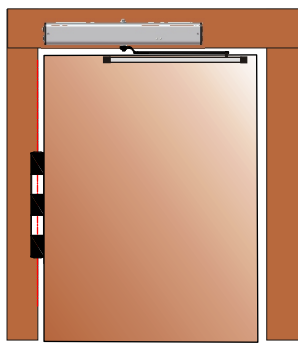
Back to door closing position

Tested correctly

Basic installation is completed and referred to P18, continue to configure other input points such as door open point.

**Unable to reach positioning point or unable to function well.
Please check the following points.**

1. Check if the hinge is stuck.
2. Check if installation position of the main unit/track is correct. Be aware of the relevant position and level.
3. Please turn off the power and execute steps 4~7 again after checking.

Installation When There Is A Gap Between The Wall And The Door Frame.

※ Please be aware of the following restrictions when there is a gap between the wall and the door frame during installation.

☑ Only suitable for track combination of indoor in-swing door type. It is not suitable for out-swing door type.

☑ Both door frame and door leaf must be at the same level or the door leaft must be higher than the door frame.

☑ Maximum of 15cm of gap is allowed.

※ Track combination installation method(suitable for in-swing door)

Maximum of 15cm gap on the wall (Please use flip mode to install when the gap is over 15cm)

Maximum thickness of 3.5cm

(Please purchase an extension when it is over 3.5cm)

Pivoted arm has to be higher than the door leaf

※ Both door frame and the door leaf have to be on the same level. Please fill the gap when they are not on the same level before installation.

The position of the positioning sticker.

In-swing door on the left.

①

In-swing door on the right.

②

① Use of positioning sticker for the main unit.

17   260   161   32 27

53

45mm

620   177

② Please refer to diagram on P10 for installation of the track.

Flip Mode Position If The Track Combination

Installation side view diagram

- Fix the track or the door frame.
- The distance between the wall and the upper door leaf must be over 75mm.

Wall

Door frame

58

Y

>75

Door leaf

POWER OFF ON

MODE

AUTO

620   177

58

53

Y

17   260   161   32   57

Front holes dimensions
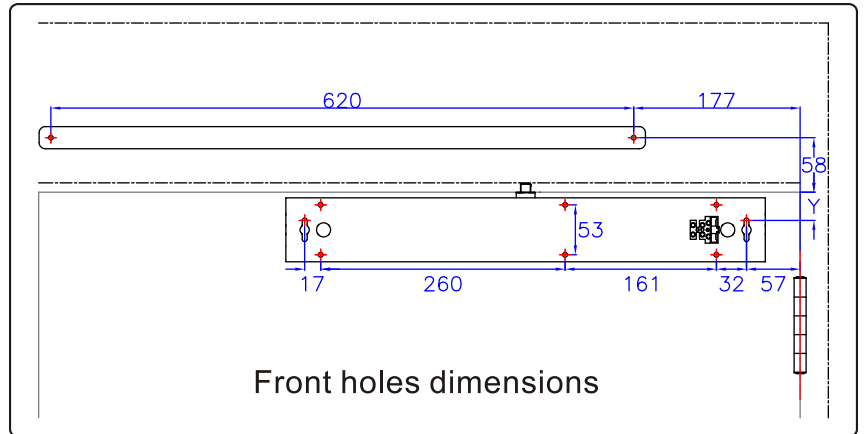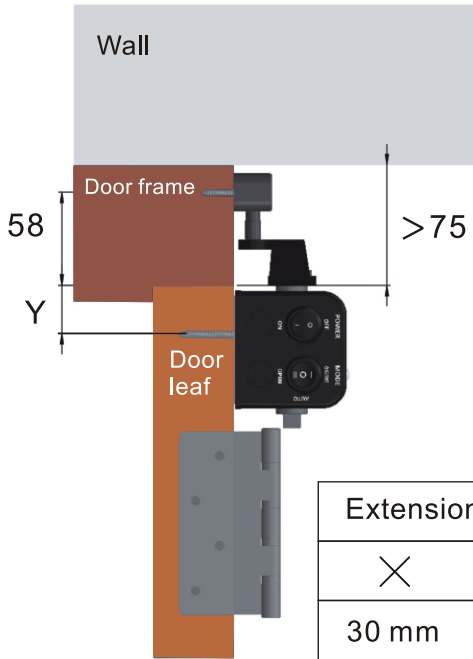
Extension	Distance Y
✕	30mm
30 mm	60mm

- Fix the track on the wall.
- The space between the wall and the door leaf must be over 38mm.
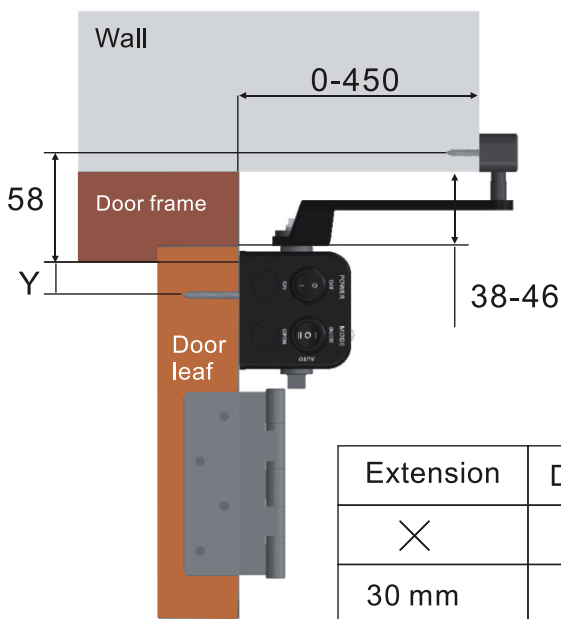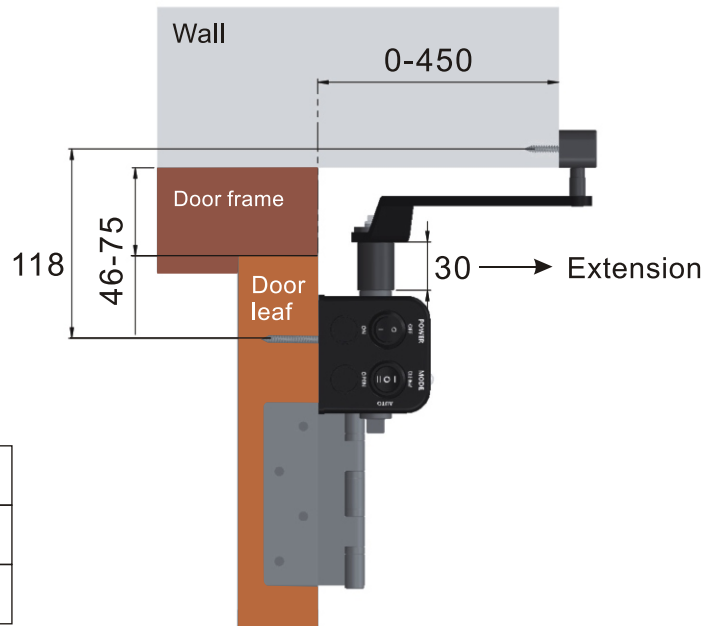
Wall

0-450

58

Door frame

Y

Door leaf

POWER OFF ON

MODE

AUTO

38-46

Extension	Distance Y
✕	30mm
30 mm	60mm

Wall

0-450

118

46-75

Door frame

Door leaf

POWER OFF ON

MODE

AUTO

30 → Extension

Installation side view diagram

Fixed direction of the track

Door frame

12

Y

Door leaf

POWER
ON I O OFF
MODE
OPEN II O I ON-OFF
AUTO

Front holes dimensions

620   177

53

17   260   161   32 57
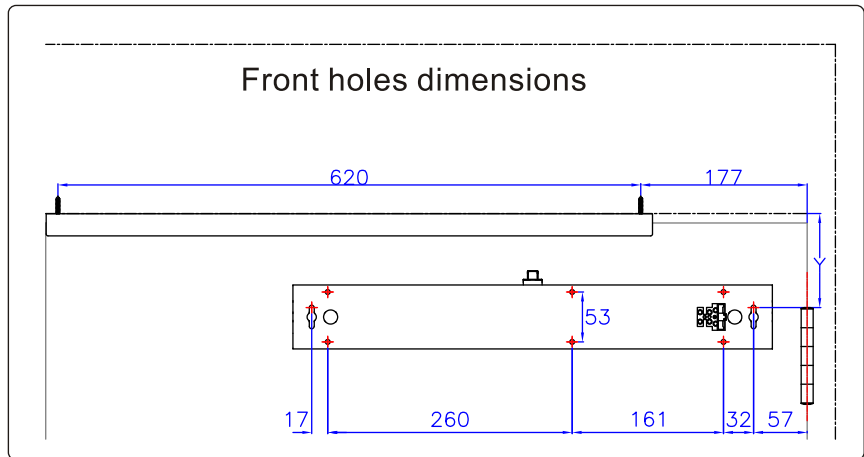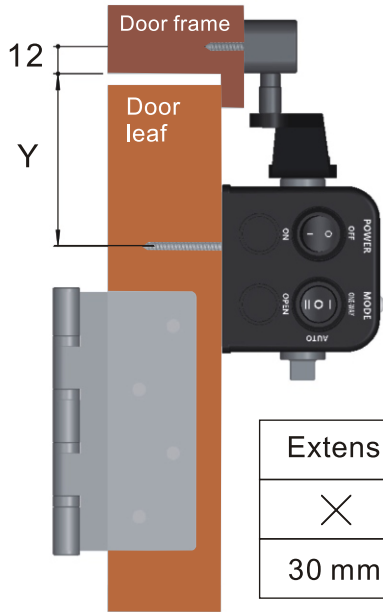
Extension	Distance Y
✕	76mm
30 mm	106mm

Door frame

Door leaf

Y

Fixed direction of the track

POWER
ON - OFF
MODE
OPEN II O I ON-OFF
AUTO

Door frame

Door leaf

Y

Fixed direction of the track

POWER
ON - OFF
OPEN I O II MODE
AUTO ON-OFF
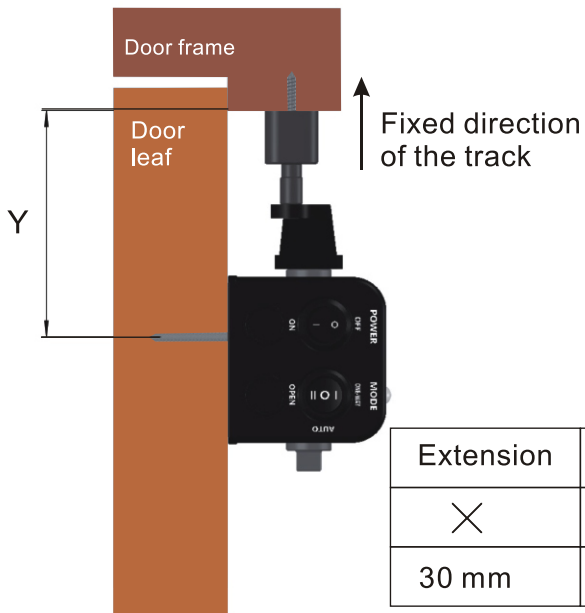
Extension	Distance Y
✕	100mm
30 mm	130mm

Front holes dimensions

620   177

53

17   260   161   32 57

17
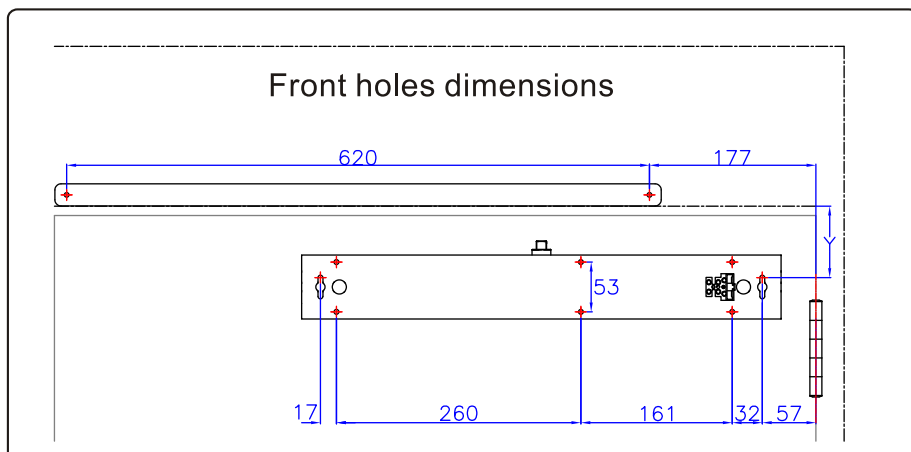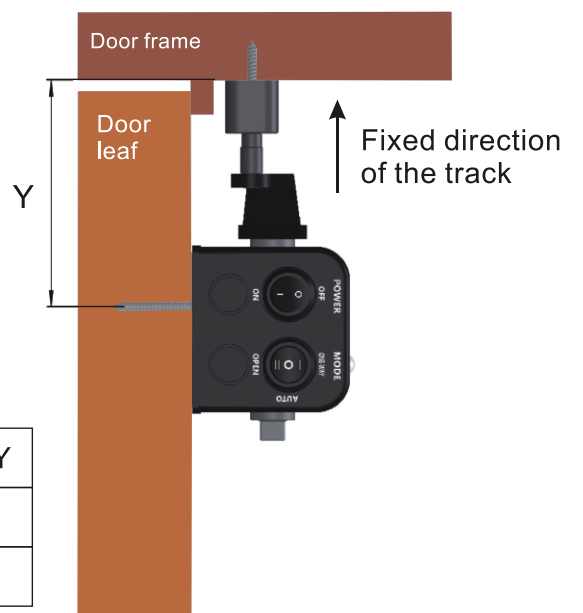
Points And Switches
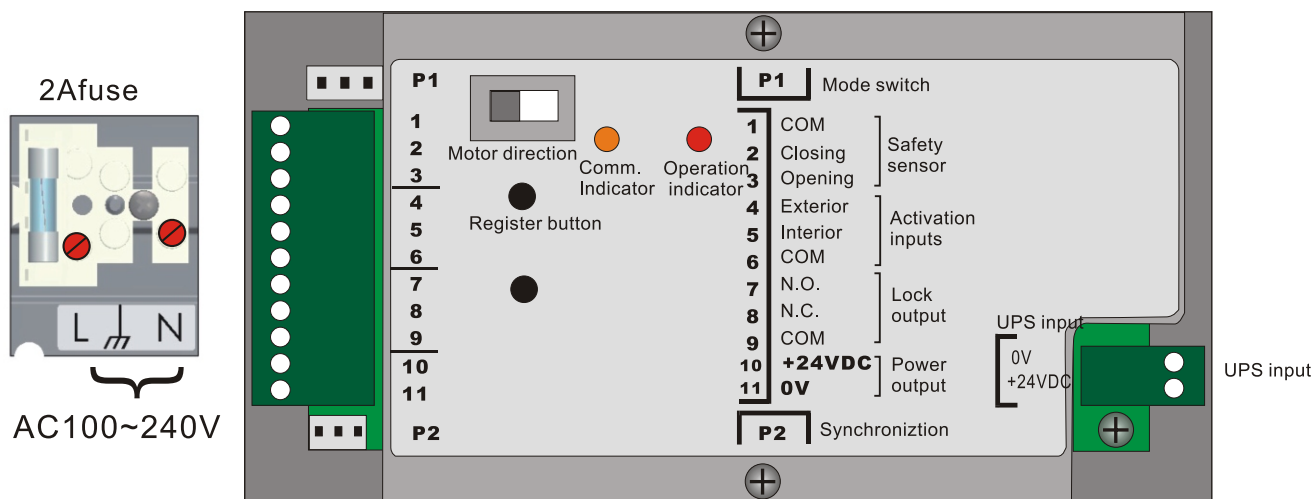
Points	
1 C O M	Infrared detector point
2 closing	Infrared input point. Door closing detector.
3 Opening	Infrared input point. Door opening detector. Door leaf stops moving once it is detected.
4 Exterior	Exit button point. Door leaf opens when it is triggered.
5 Interior	Enter button point. Door leaf opens when it is triggered.
6 C O M	COM point for both enter and exit bottons.
7 N . O .	Electric Lock RELAY N.O. Point
8 N . C .	Electric Lock RELAY N.C. Point
9 C O M	COM point for electric lock RELAY point (2A@24VDC)
10 + 24 VDC	Positive power supply output (+24V) Max:0.5A
11 0V	Negative power supply output (0V)
UPS 24VDC	Positive power supply input (+24VDC)
UPS 0V	Negative power supply input

▷ Door open learning button : compulsory learning manually

① Press the door open learning button for 3 seconds to start initial positioning testing. 3 beep sound to follow with the execution of door open learning.

② Door leaf starts to close first before opening and closing for one time to learn positioning point when it executed.

※ The main unit has an automatic learning function. Under normal circumstances, slow door closing motion is executed and door closing positioning point is automatically saved to keep the door closed when the power is on. Slow door opening motion is executed and door opening positioning point is automatically saved when door opening (NOTE1) is triggered.

※ NOTE 1 : Door opening as exit, enter button is triggered, remote control is triggered and etc.

▷ Remote learning button : Adding new remote control

Press the remote learning button for 3 seconds and 2 beep sounds to enter remote learning mode. System indicator light flashes once every second. When pressing any button on the remote control, one long beep sound to indicate the completion of entering. When pressing the remote control, 6 quick flashes of system indicator light indicates the card number is registered in the unit. After the input, press the learning button for 3 seconds. One beep sound to exit remote learning.

※ The main unit automatically exits setting mode when there is no action after 30seconds.

▷ Mode functions

Single/ Oneway mode	
Active	Exit point to open door
Inactive	Enter point to open door
Active	Remote control to open door
Suitable for	Customers are only allowed to exit during the closing hours. Use of remote control or access control unit for the access of the employees.
Automatic mode (AUTO)	
Active	Exit point to open door
Active	Enter point to open door
Active	Remote control to open door
Suitable for	All automatic assess use.
Always open mode	
※ Door leaf mains opening state, all closing function is not available.	
Suitable for	Temporary door open for period of time (moving goods).
Always close mode	
Inactive	Exit point to open door
Inactive	Enter point to open door
Active	Remote control to open door
※ External band switch is needed for this mode.	

Wiring

Anti-collision detector

UPS

DC24V

Mode points

1 2 3

P1

1 — COM
2 — Closing
3 — Opening

4 — Enterior
5 — Interior
6 — COM

7 — N.O.
8 — N.C.
9 — COM

10 — **+24VDC**
11 — **0V**

Available for detector/
electric lock use
MAX: 0.5A

Infrared(entery)

DC
Power Supply

P2

3 2 1

Master and slave
door points
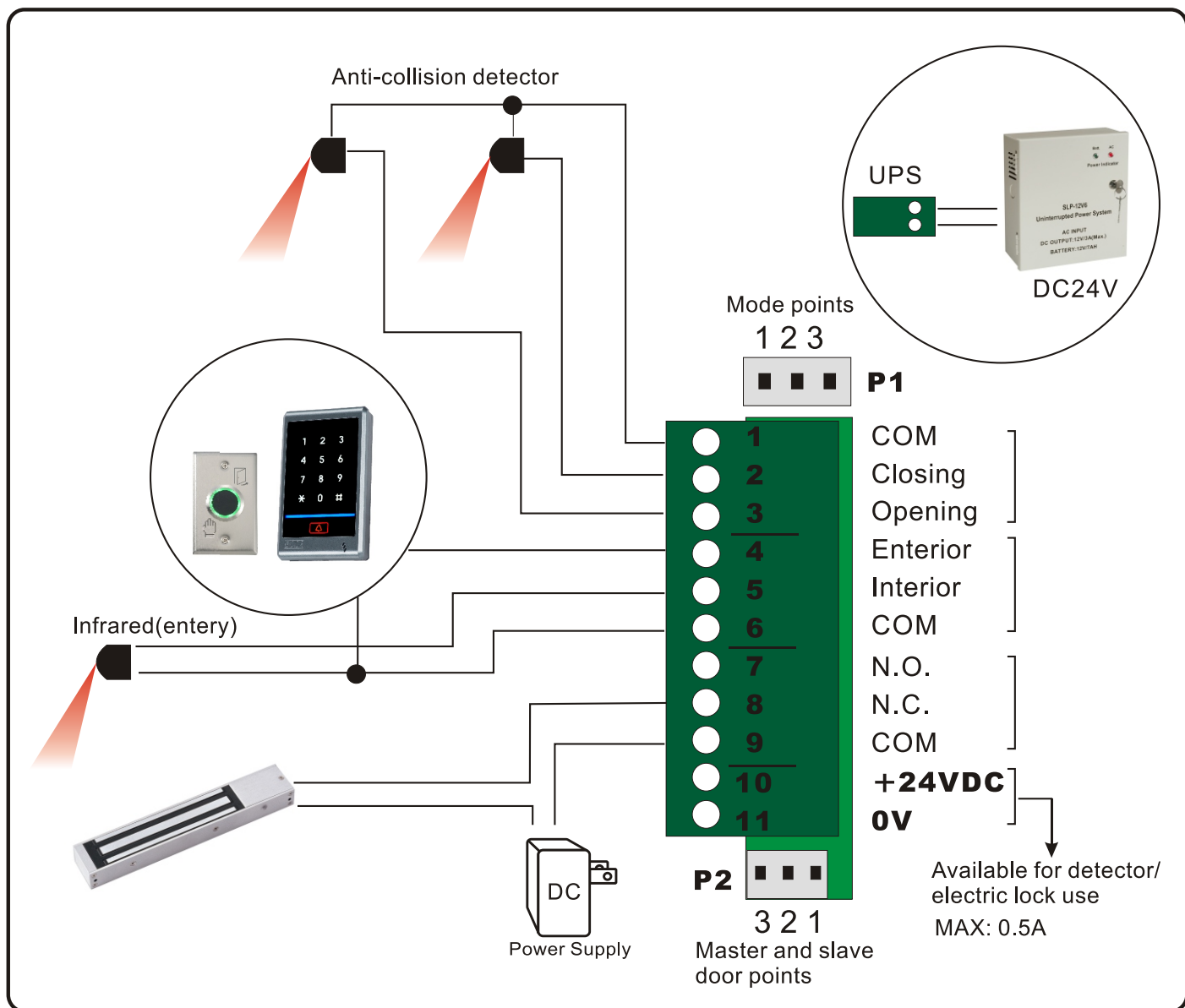
※ It is suggested to connect Exit button input points (4&6) when connects with access control unit.
   There fare, the access control unit is able to control the main unit to open door under one way mode.

▶ External P1 mode point

※ optional external band switch (SW-52) to use.

Input point selection	Mode	Side cover 3-band switch code	Indicator light
Not connecting to any points	(Fully Automatic)	0	Green
Connect 1&2 points	(Always Open)	‖	Green
Connect 3&2 points	(One way)	⎮	Red
Connect 1&2&3 points	(Always Close)	╱	Red

20

Baffle plate

Master door   Slave door

Master   Slave

Door opening order

Door opening order : master door ➡ slave door
Door closing order : slave door ➡ master door

▶ Master and slave doors function :

Apply to the master door with baffle plate or door opening order. If the doors do not require opening order, connect door open points together to open both door simultaneously.

▶ Setting steps :

1. Please refer to the above diagram for wiring both units' control wires (P2 connector).
2. Please turn the switch OFF before supplying external power.
3. Turn on slave door's ②power supply. Door leaf closes first to find its original point.
   Please switch the motor direction (refer to P13) when the direction is incorrect (door is opining).
4. Please refer to P22 to install the APP. Add new unit and change the parameter as slave door.
   Exit the APP after setting.
5. Turn on master door's ①power supply. Door leaf closes first to find its original point.
   Please switch the motor direction refer to P13) when the direction is incorrect (door is opening).
6. Use of APP to add new unit and change the parameter as master door. Exit the APP after setting.
7. Trigger master door ① to activate automatic door open positioning learning (switch to Always
   Open Mode once or trigger exit or enter button).
8. Trigger master door ① to activate automatic door open positioning learning again.
   Master door ①will open to the widest to let slave door ②to complete learning without interruption.
9. Positioning learning completed.
10. Please use APP to adjust (P23) main unit's advanced parameter.

※ All functions must be controlled by the master door ①when the unit is using APP to set.

Application Settings

The unit uses default parameters (speed, baffle angle) to operate after the installation is completed. Down the APP for advanced setting when the door opening speed or baffle angle does not meet the requirements.

※ Search SOCA Bluetooth manager or scan the Qrcode on the left to download the APP.

Scan to download

V9.8 **SOCA**®

ADD DEVICE

Proximity the unit

V9.8 **SOCA**®

SDO-500 B
21:12:20:09:38:00

Pair this device?

Cancel   Pair

ADD DEVICE
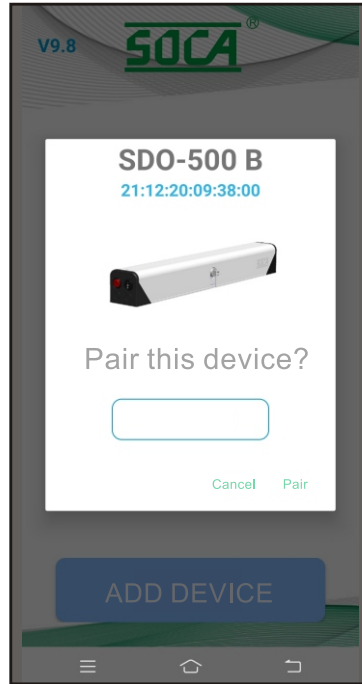
Default password 112233

V9.8 **SOCA**®

Enter Device Name

Cancel   Confirm

ADD DEVICE

Enter name

V9.8 **SOCA**®

SDO-500 B

Enter parameter setting

ADD DEVICE

Main page

Function   Reset
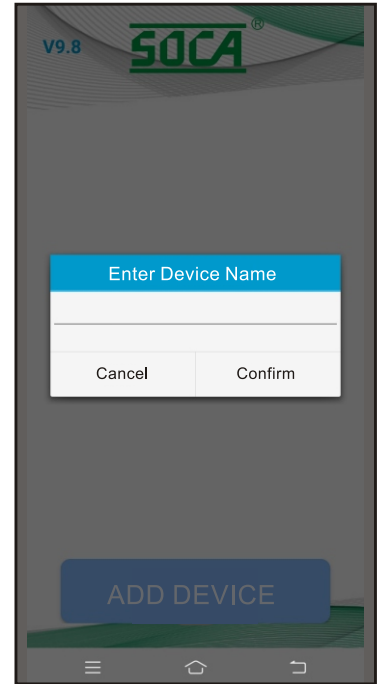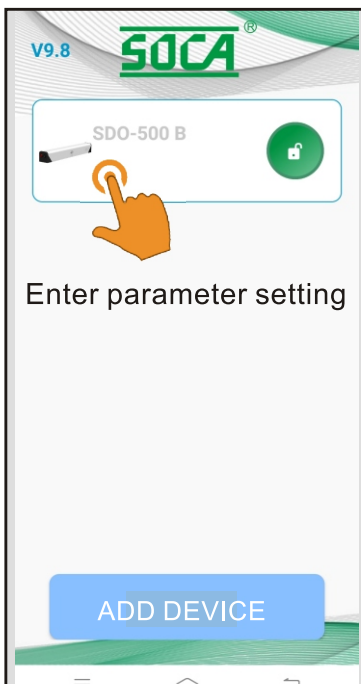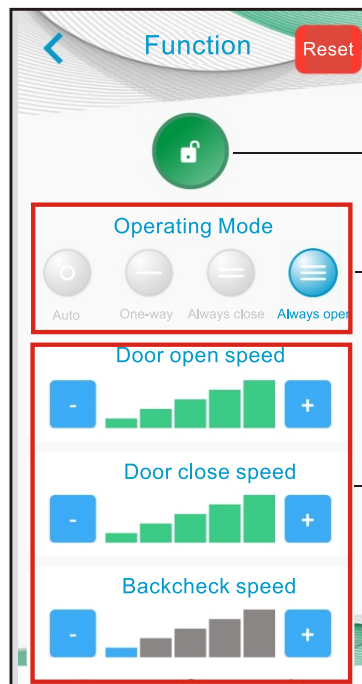
Door open immediately

Operating Mode

Auto   One-way   Always close   Always open

Operating mode adjustment

Door open speed

−   +

Door close speed

−   +

Backcheck speed

−   +

Parameter adjustment

Parameter page

22

Parameter Description

| Parameters	Parameter description
Door open holding time	The length of holding time (1~255s) when the door leaf is at the positioning point before closing.
Door open speed	First band of door open speed (1~5 band)
Door close speed	First band of door close speed (1~5 band)
Door open baffle speed	Second band fo door open speed (1~5 band)
Door close baffle speed	Second band of door close speed (1~5 band)
Door open baffle angle	Second band of door open baffle angle (1~5 band according to the door open angle)
Door close baffle angle	Second band of door close baffle angle (1~5 band according to the door open angle)
Anti-collision force	Sensitivity level (1~5 band) to judge obstacles when the door leaf is moving.
Door closing force	Door closing force (applicable to higher wind pressure area)(1~5 band) when the door leaf is at the door closing positioning point.
Door open reversal force	Force (1~5 band) needed to reverse in order to disengage lock bolt when incorrect door positioning happened.
Door open reversal time	Time (0~0.9s) needed to reverse in order to disengage lock bolt when incorrect door positioning happened.
Buzzer indicator	selection of all actions reminder or only before door closing reminders
Buzzer	Selection of on or off
Remote control	Learning registration
Arm system	Selection of arm push or track
Wind resistance/ manual	Selection of door closing torque as force is added to close the door leaf tightly when the door leaf is back to its original point. Selection of push open door manually to help open the door when the door leaf is back to its original point.
Types of door	Single door leaf : default value maser door : master door of the double leaf door. Slave door : slave door of the double leaf door. Interlock system door : when one door is open, another one is unable to open
User list	Card number data of remote control or 2.4 Ghz
Historical record	Records of card number access record and action record of the unit
Door open learning	Door open positioning learning directly from the APP.

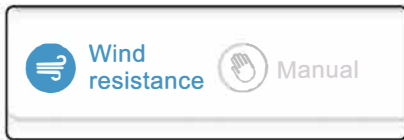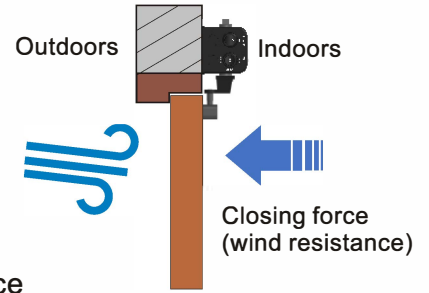# Parameters
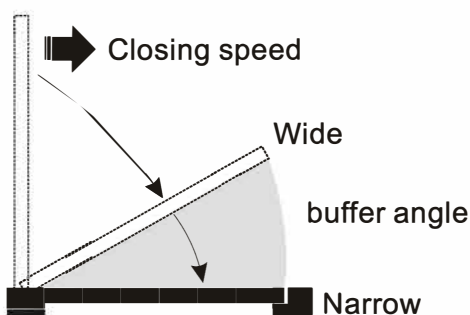
Door closing parameter
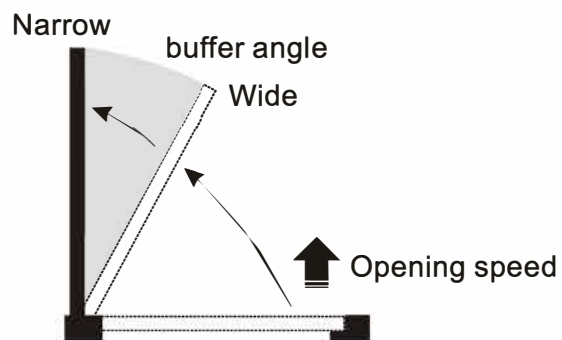

Door opening parameter

Wind Resistance

Wind resistance | Manual

- Adjust closing force to higher when strong wind pressure causes door leaf to open.
- Adjust to wind resistance mode to activate door closing force.
- Install an electric lock to lock the door tightly when both wind resistance and manual functions are activated.

Outdoors | Indoors

Closing force (wind resistance)

Anti-collision
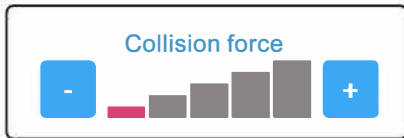
Collision force
- | +

- Anti-collision force
  The amount fo force is needed to enter protection procedure when obstacles one sensed during the action. (Please adjust to higher anti-collision force parameter when door resistance is higher enough to trigger anti-collision function).
- Anti-collision function
  □ Door leaf stops moving with error sounds when collision happened during door opening. Door automatically closes at the original position after door opening time.
  □ Door leaf is back to its door open positioning point with error sounds when collision happened during closing. Door leaf activates door closing action again after door opening countdown time is completed.

※ When 5 continuous times of proximity protection is triggered, automatic door closer gives off continuous error sound and stops all actions. If then goes back to re-execute door positioning learning until any door opening function is activated.

Reversal Time

Reversal time 0 sec.

Reversal force
- | +
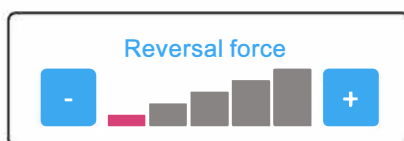
Door opening action sequence

Stuck when opening → Push forward → Unlock → Door open

Outdoors | Indoors
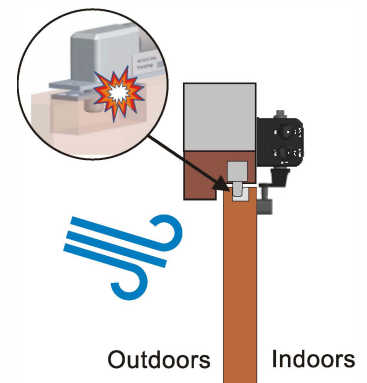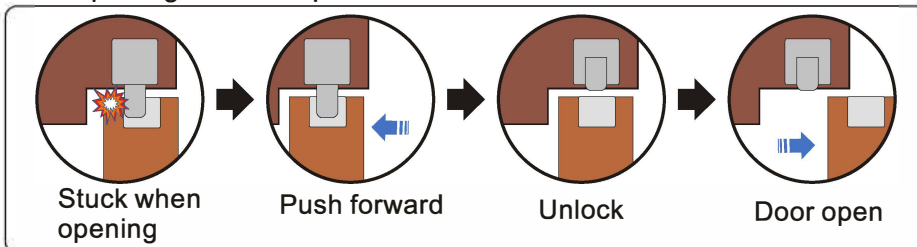
- Door opening reversal time :
  Reversal action before door opening to unlock deadbolt lock or strike lock.

※ It is suggested to use electrimagnetic lock as lock bolt of deadbolt lock or strike lock might be stuck and unable to unlock when wind pressure is high door open reversal function helps to solve the problem when user is using deadbolt lock or strike lock.

Troubleshooting

1. Door leaf is moving too fast and hit the door frame or the wall when opening or closing.

Adjust the buffer angle parameter to increase the buffer angle (wider angle to enter deceleration zone faster). Adjust to lower door opening or closing speed if the incident occurs again.

2. Obstacles behind the door leaf while door open learning is in progress.

Learning angle error will occur that might cause abnormal angle and speed of door opening and closing if there are obstacles while learning is in progress. The following 3 methods are suggested to reinitiate door positioning learning：
① turn off the power and clear off the obstacles. Turn the power back on and wait for its door closing positioning point (original point) before triggering any door opening function (exit, enter, remote control and etc) to reinitiate door positioning learning.
② Continuous pressing the door open learning button of the main unit for 3 seconds to reinitiate door positioning point.
③ Use of APP (door opening learning function) to reinitiate door positioning point.

3. Door leaf is moving very slowly or not moving during door opening or closing after door positioning learning is completed.

Please check the following steps：
① Turn off the power. Check if the door leaf is moving abnormally.
② Check if Arm system of the APP parameter is selected correctly.
③ Door leaf is moving very slowly when it enters the deceleration area. Please adjust eh buffer speed of the parameter to higher and open the door again.

4. Adjusting wind resistance function.

Door close positioning point might be affected by the strong wind that cause door to open. It is suggested to activate wind resistance function and adjust its Door closing force setting value in accordance to the wind pressure.
※ Door leaf is unable to reach its positioning point when it i s affected by the wind during the operation. Increase the speed of the door opining and closing speed and reduce the door opening and closing's buffer angle so that the door leaf is able to move forward faster and slower to the deceleration area in order to against the wind.

5. Power disconnection of automatic door closer by itself.

① Check if the power supply of DC24V output point is exceeding 0.5A.
② The unit disconnects its power supply when the door is pushed manually by force when it is being set under automatic mode instead of manual mode. Turn on the power to start the unit again.

6. "Device is busy" appears on the screen while using a smart phone to perform blurtooth management.

It is unable to perform buletooth management when the door leaf is in operation. Please wait until the door leaf is back to its door close positioning point to perform bluetooth management.

7. Door leaf is unable to reach positioning point or stops during the operation while in the process of automatic door positioning learning.

① Turn off the power. Check if the door leaf is unable to move smoothly.
② check if the main unit and arm/ track are in the right position. Make sure the track or the push arm is on the level.

8. Sudden abnormal positioning of the main unit.

① Turn off the power. Check if there are any obstacles around the door leaf or the door leaf is stuck.
② Turn the power back on and execute door open positioning learning.

9. Operation of the door leaf becomes slower occasionally.

The main unit is under positioning learning process. It happens when the power is turned back on after an interruption of power supply or human factors theat cause abnormal positioning.