MANUAL

AUTOMATIC ENTRANCE SPECIALISTS

Content

Power：AC200v-250v

Working speed: 3~10s

Opening time: 1~60s

Temperature: -20℃~+55℃

Protection class: IP12D

Weight: 6.5Kg

Dimension: SW200   515×95×80mm(L*H*W)

mm=**Door width**

kg=**Door weight**

Suitable range
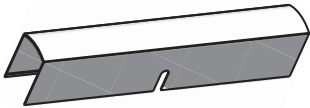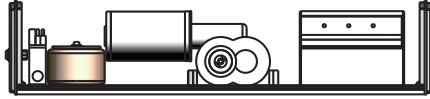
Limit range

1. Components

Rightside cover

Controller

Motor

Leftside cover

Pull bar

Transformer

220V input
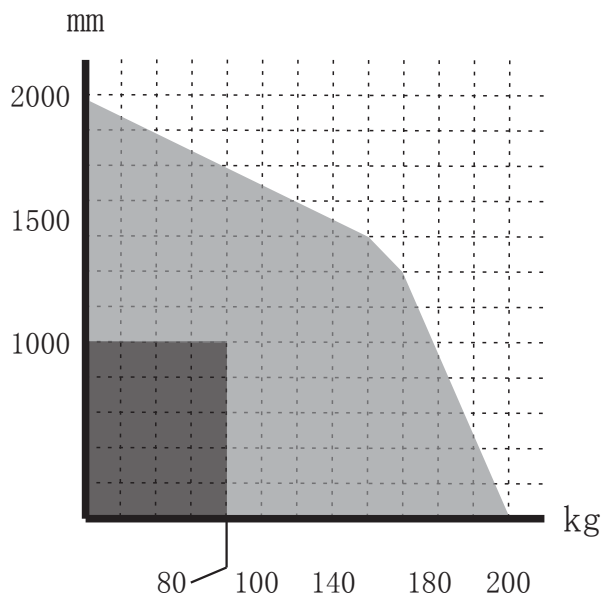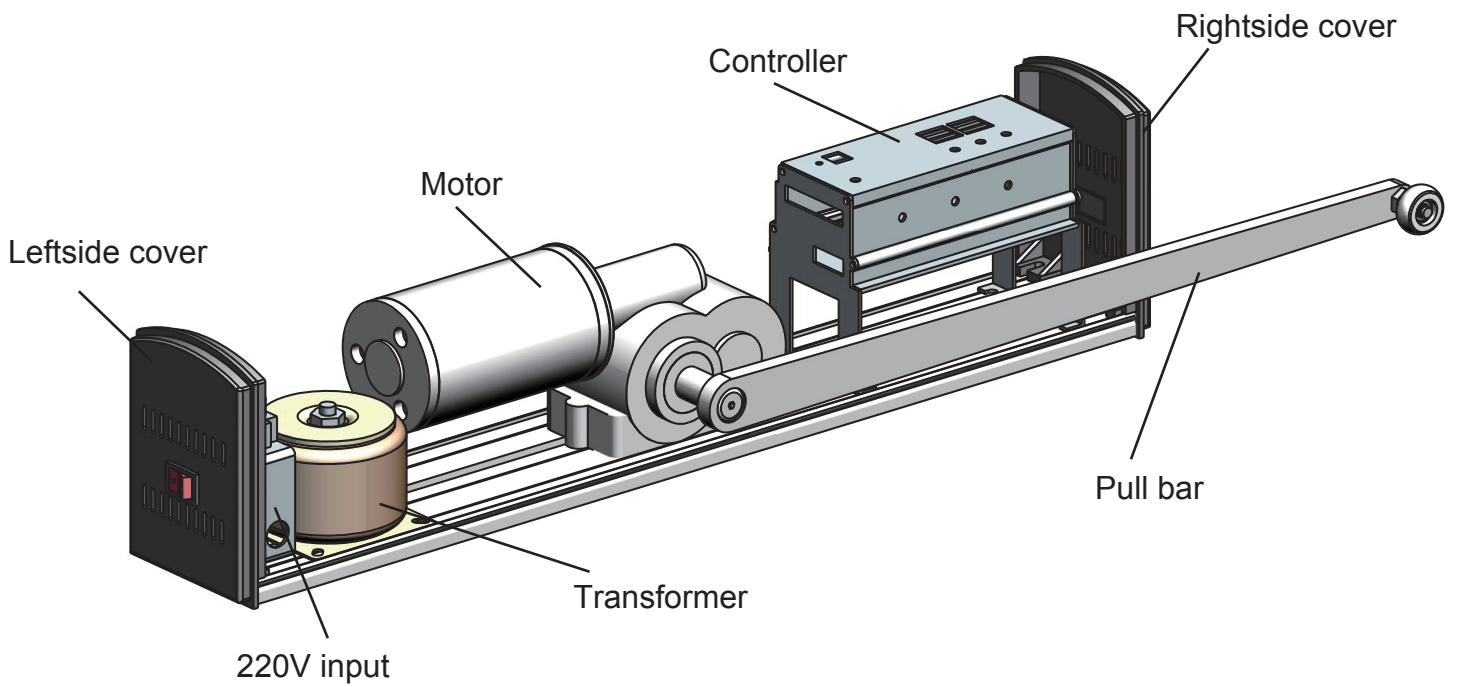
SW200

	Bottom pamel
	Pull bar
	Cover
	Pull guider
	Mechanism

3.1 Installation of bottom plate

Pull bar type

power liner   sensor liner

10

As the picture showing, fix the bottom plate on the frame with eight countersunk head screw.

Operator at right position.

frame

bottom plate

power liner   sensor liner

7L.4

10

As the picture showing, fix the bottom plate on the frame with eight countersunk head screw.

Operator at left position.
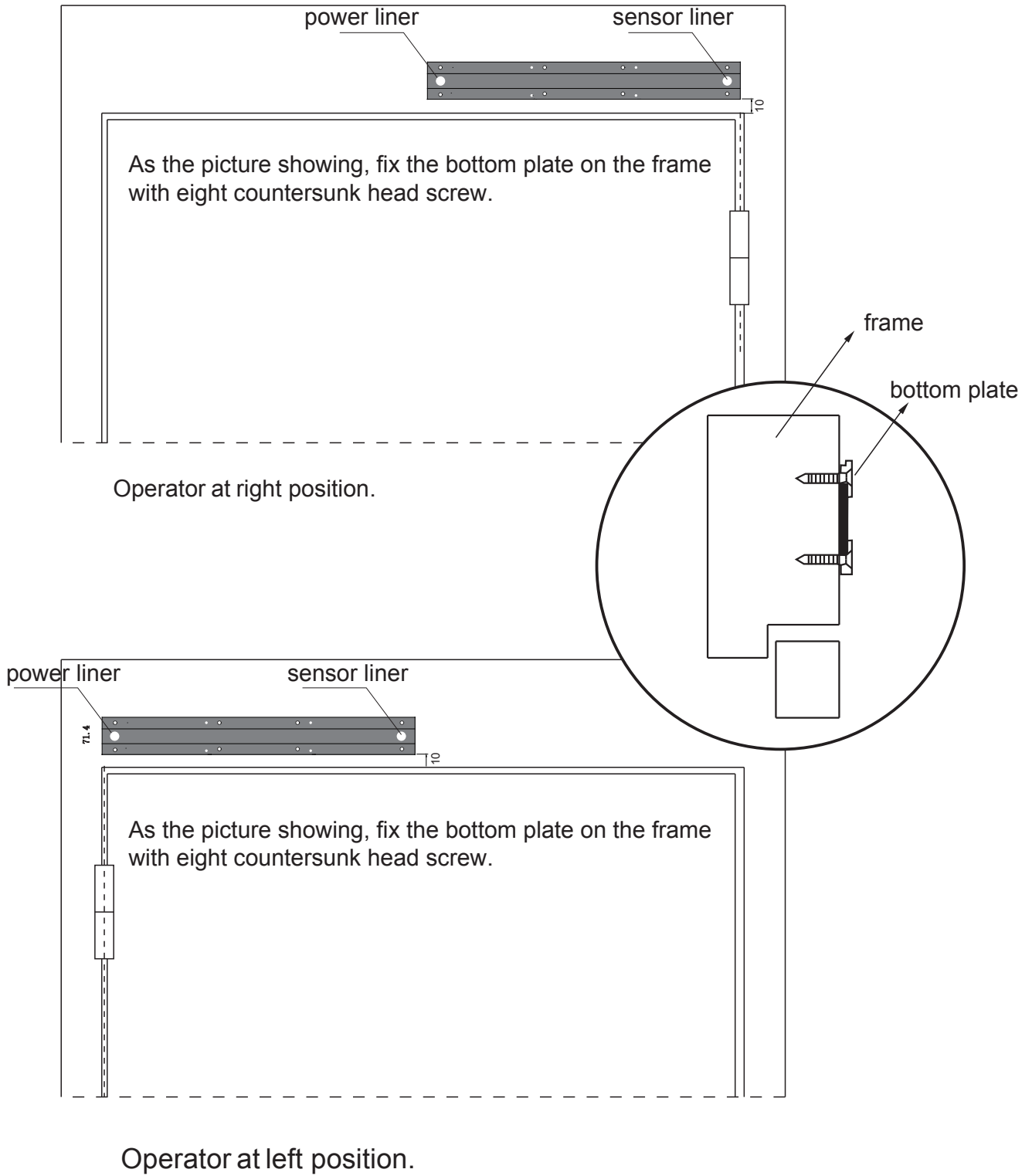
3.2 Installation of bottom plate

Push bar type

sensor liner   power liner

71.4

10

As the picture showing, fix the bottom plate on the frame with eight countersunk head screw.

frame

bottom plate

Operator at right position.

sensor liner   power liner

71.4

10

As the picture showing, fix the bottom plate on the frame with eight countersunk head screw.

Operator at left position.
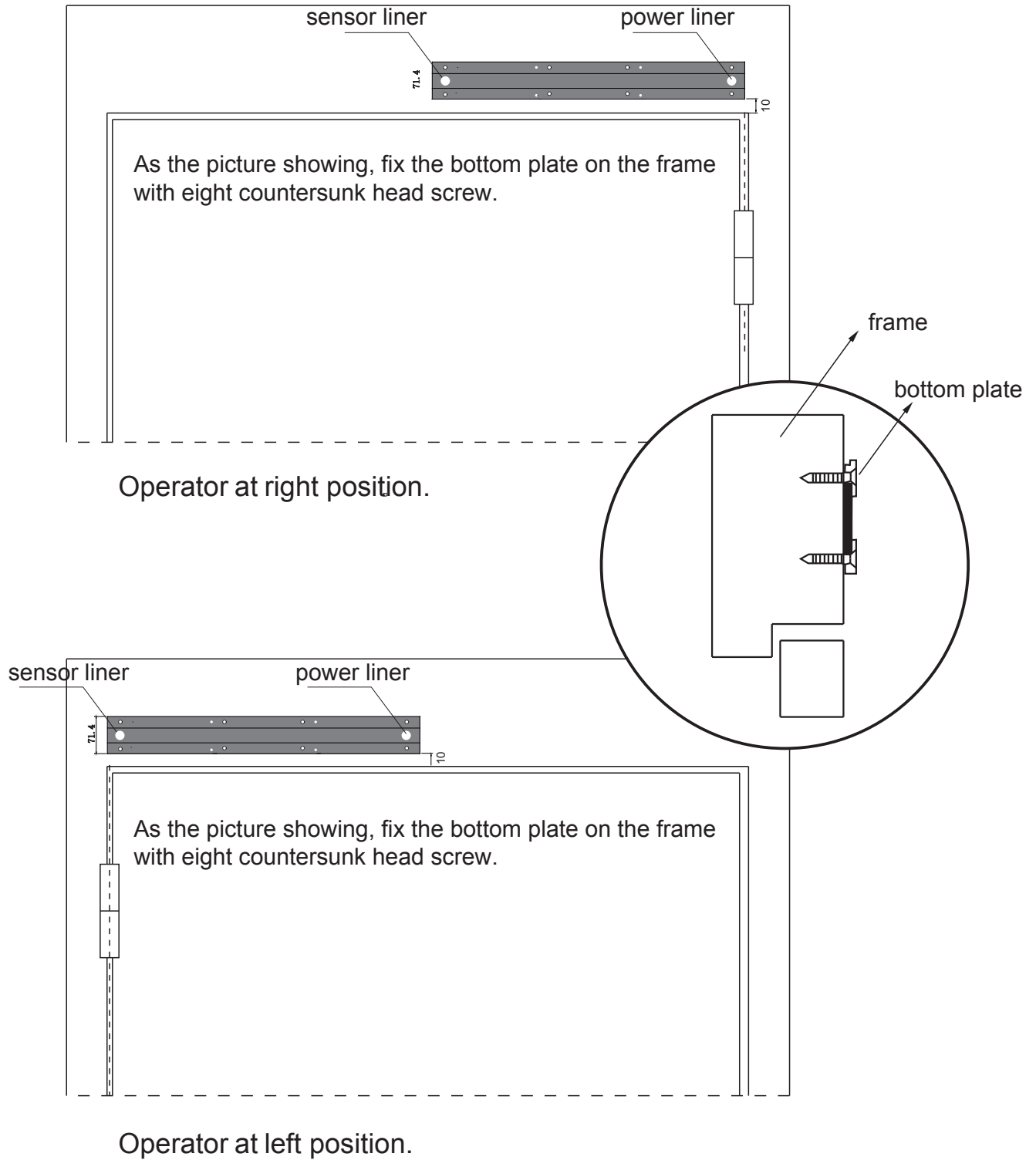
3.3 Installation of pull bar guider

A. Right position

30

220   220   30   170

Fix the pull bar on door leaf with
3 pcs self-tapping screw.

Door leaf

Adjust the opening angle
by position stopper.

position stopper
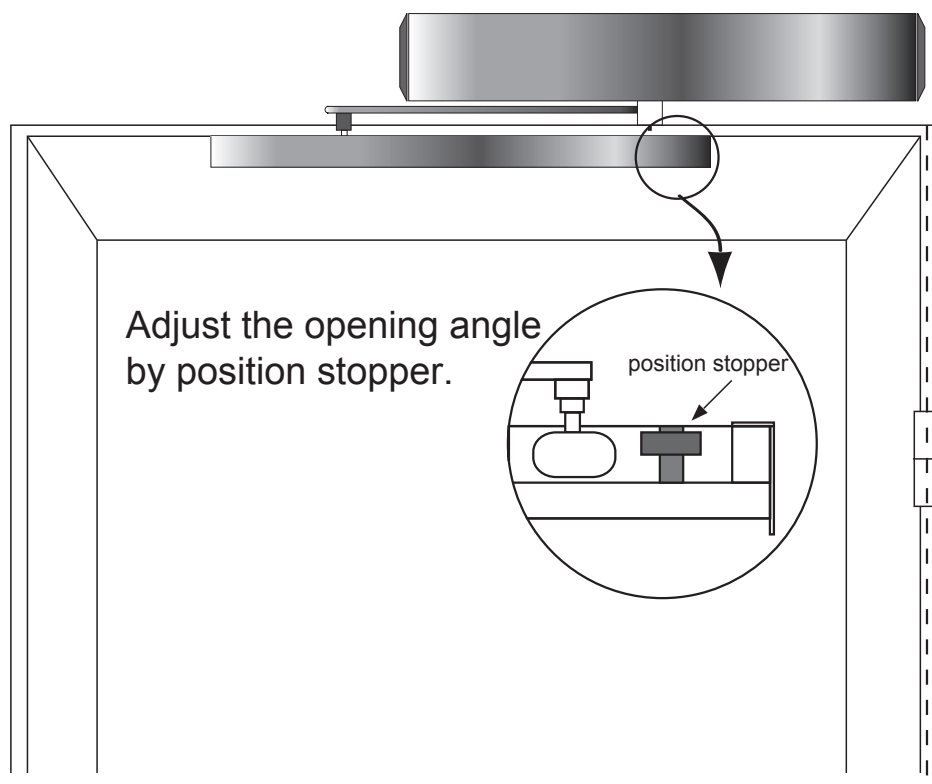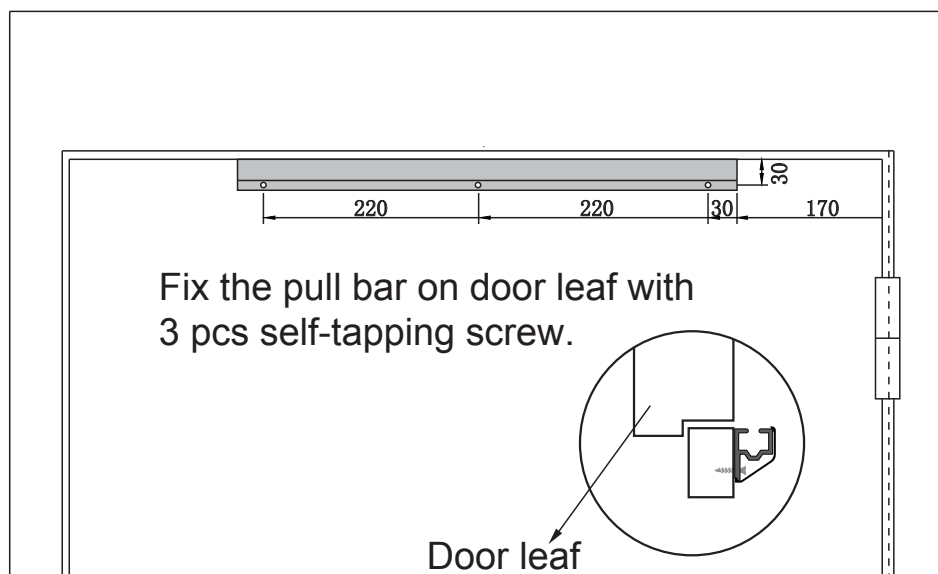
3.4 Installation of pull bar guider

B. Left position

170 30 220 220 30

Fix the pull bar on door leaf with
3 pcs self-tapping screw.

Door leaf

Adjust the opening angle
by position stopper.

position stopper
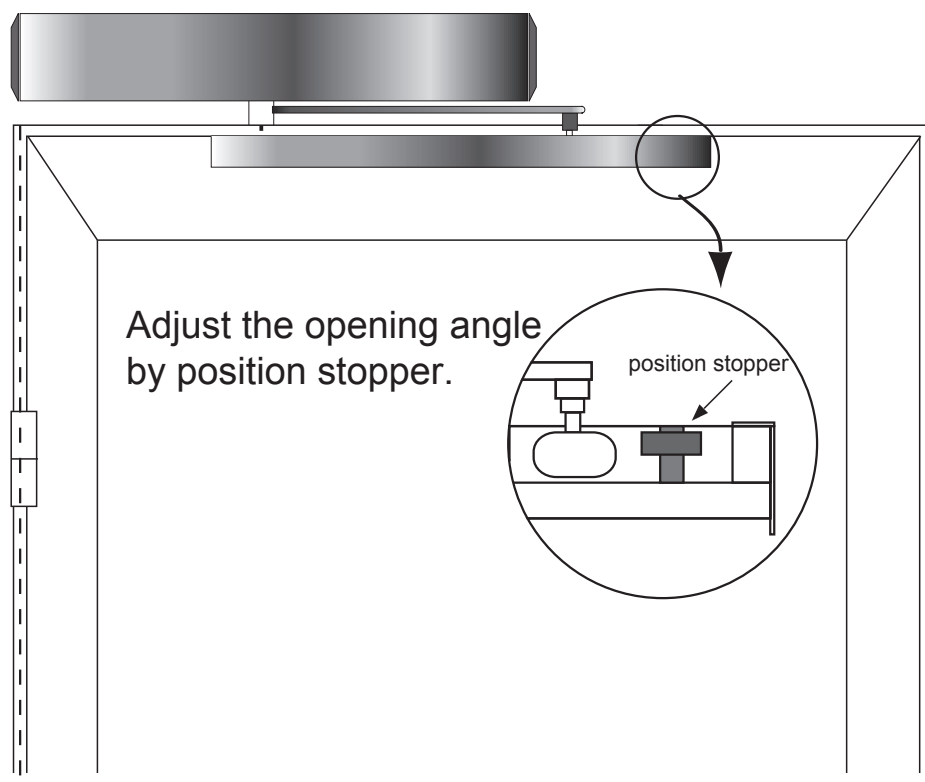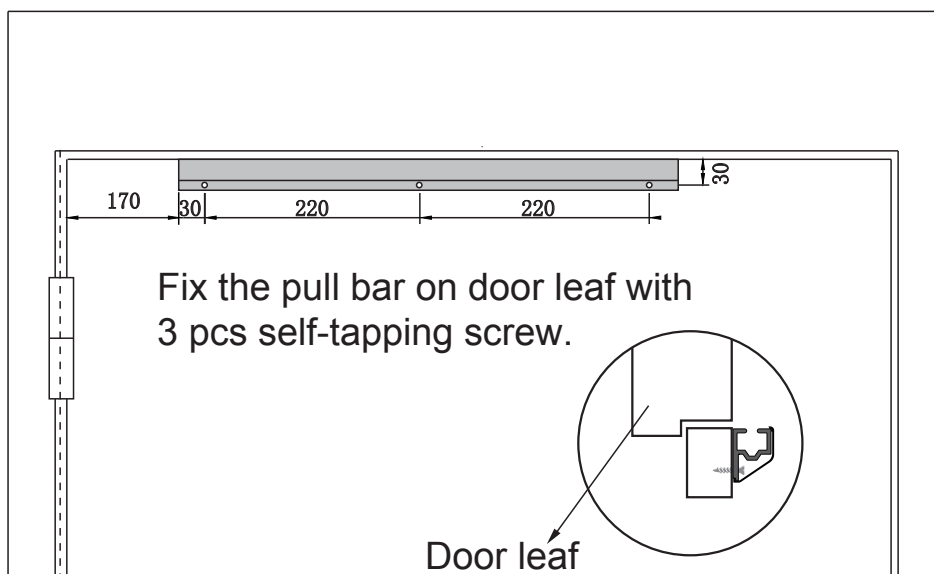
3.5 Installation of push bar

A. Right position
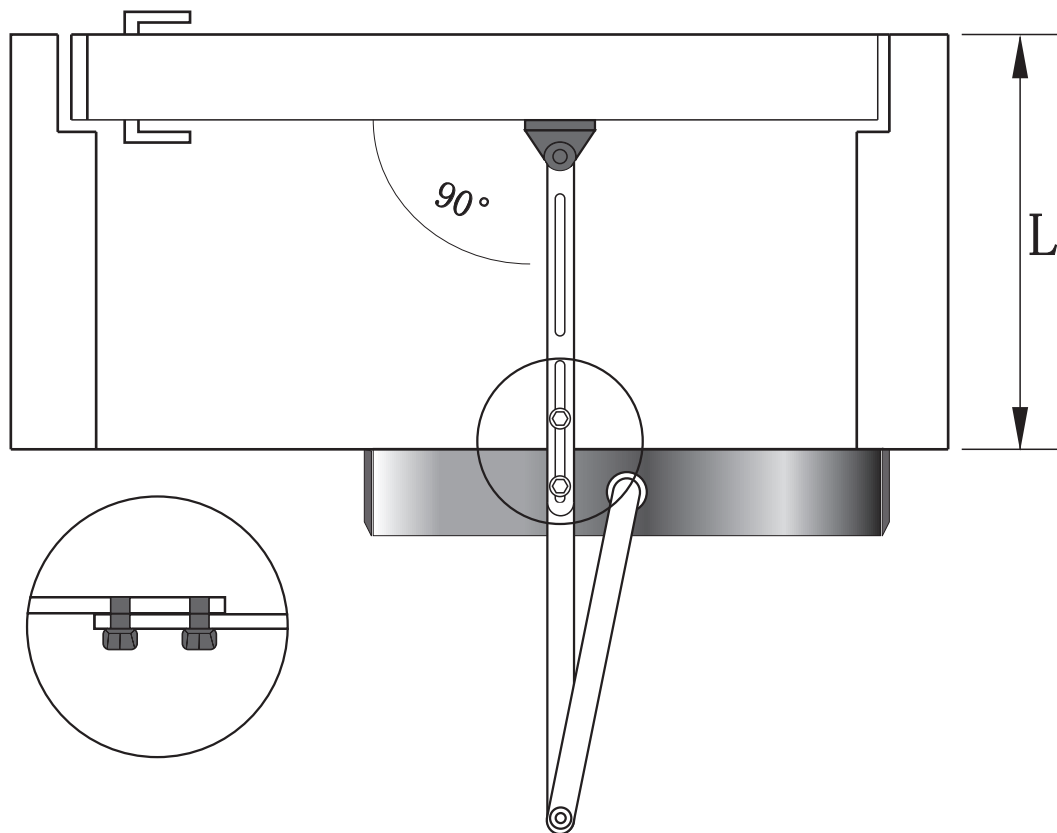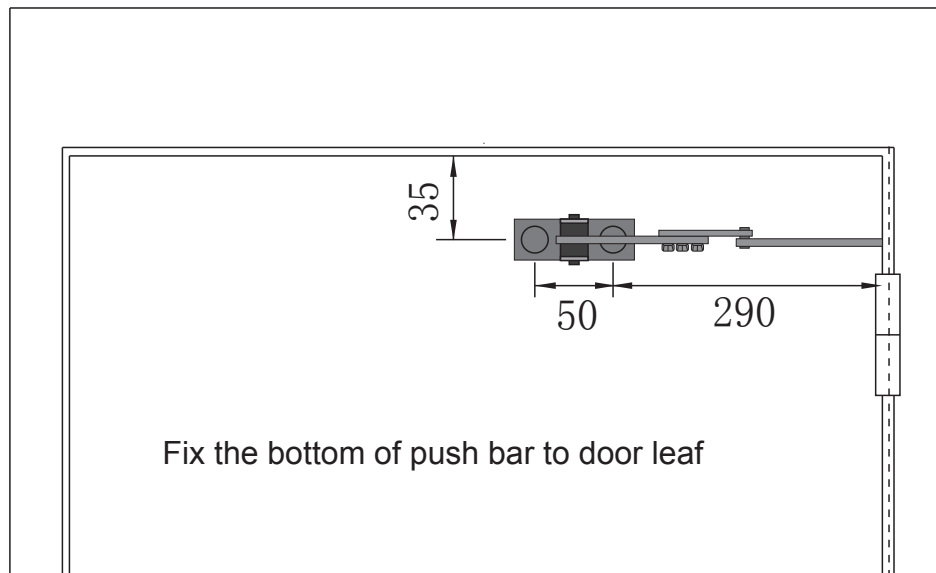
35

50   290

Fix the bottom of push bar to door leaf

90°

L

Adjust the push bar lenght by two screw according to the door frame's depth(L).

3.6   Installation of push bar

    B. Left position
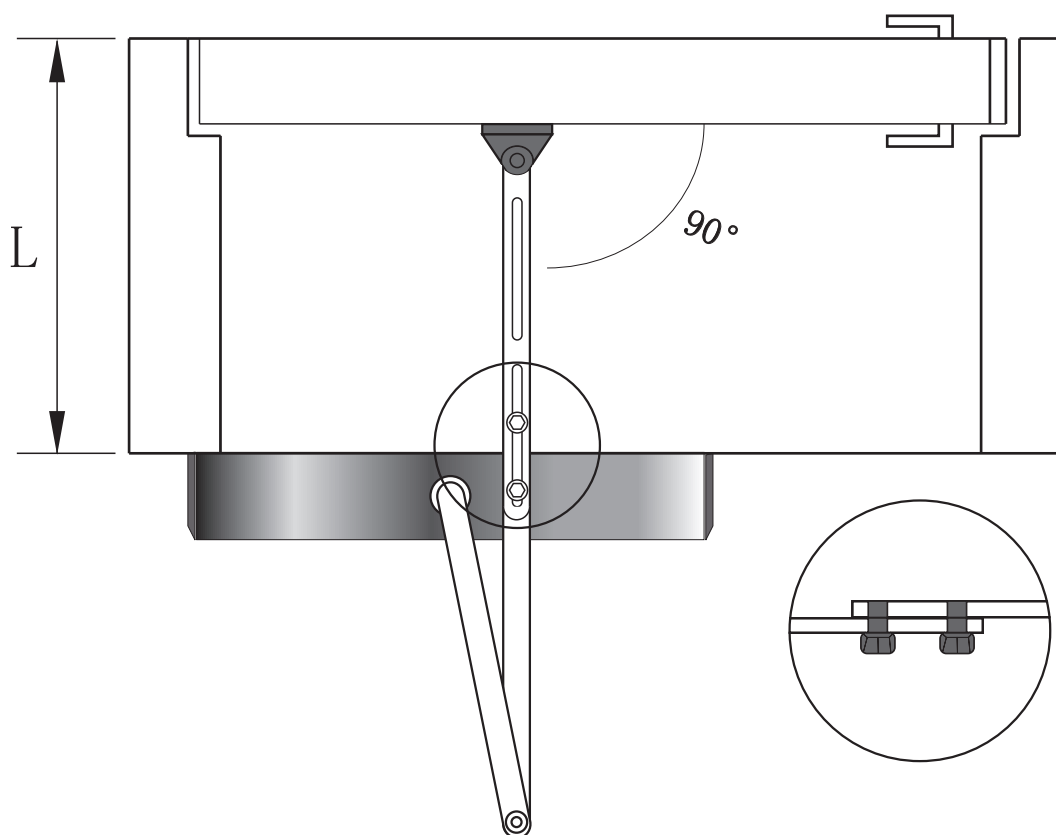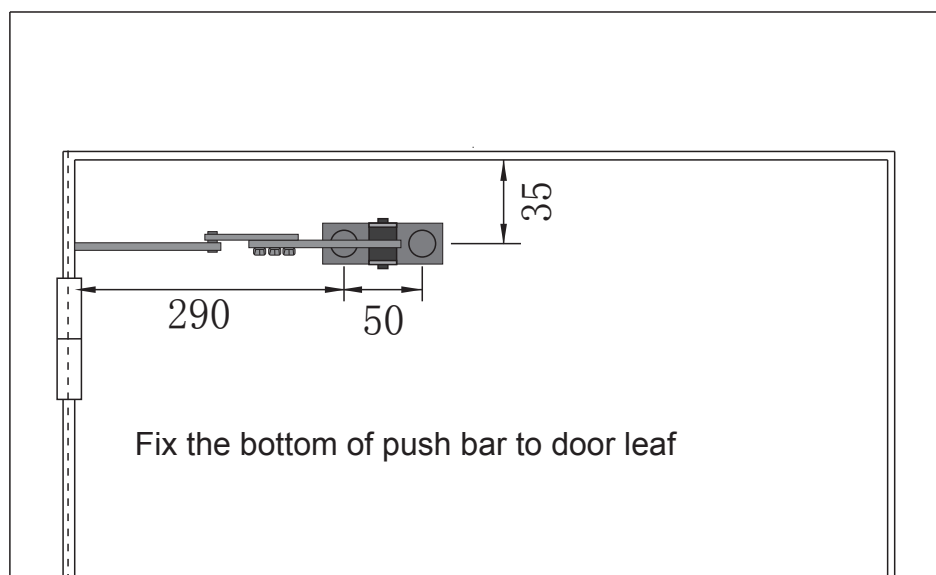
290   50   35

Fix the bottom of push bar to door leaf

L   90°

Adjust the push bar lenght by two screw according to the door frame's depth(L).

3.7 Finished installation

Pull bar: Door leaf open toward inside (same direction as operator)
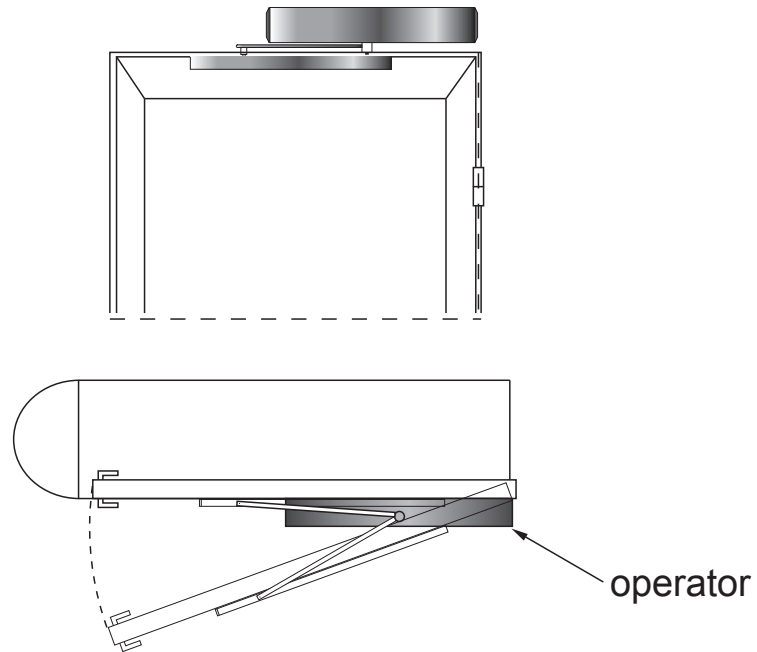
operator

Push bar: Door leaf open toward outside (opposite direction as operator)

operator

3.8 Mechanism installation

Hang the mechanism on the fixed base cover with screws.

3.9 Assemble and disassemble of the mechanism up cover.

4. Wired diagram

4.1 Terminal details

Synchronous(out) — 11
COM — 12
Synchronous(in) — 13

LED ○

□□□
1 2 3

1: LED on/off
2: Master door selector
3: L/R switch

Interlock(out) — 14
COM — 15
Interlock(in) — 16

E-lock+ — 17
GND — 18
UPS+ — 19

LEARN ○

code   value

○ +   ○ SET   ○ −

1 — +24V
2 — GND
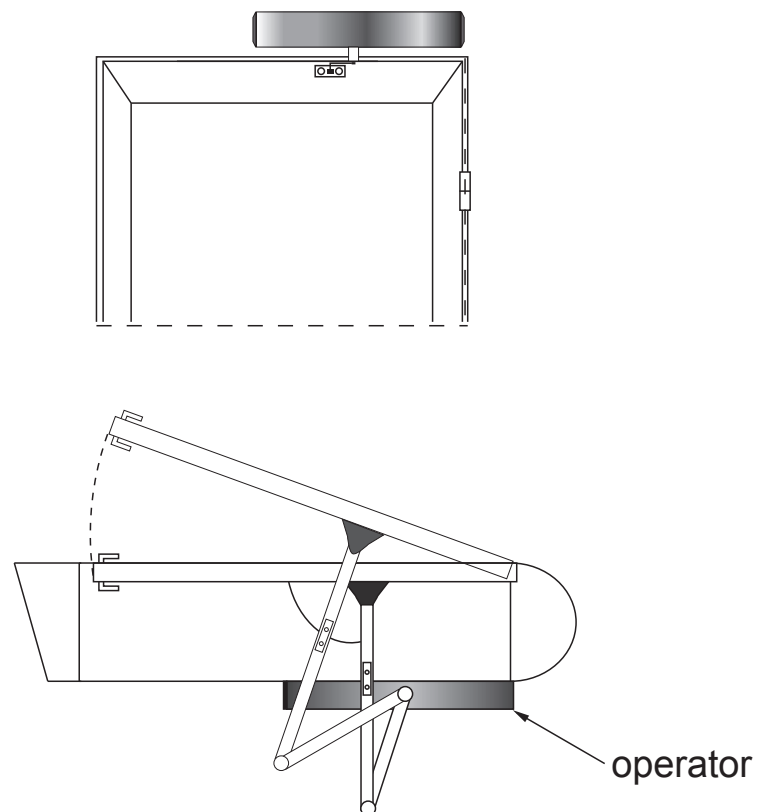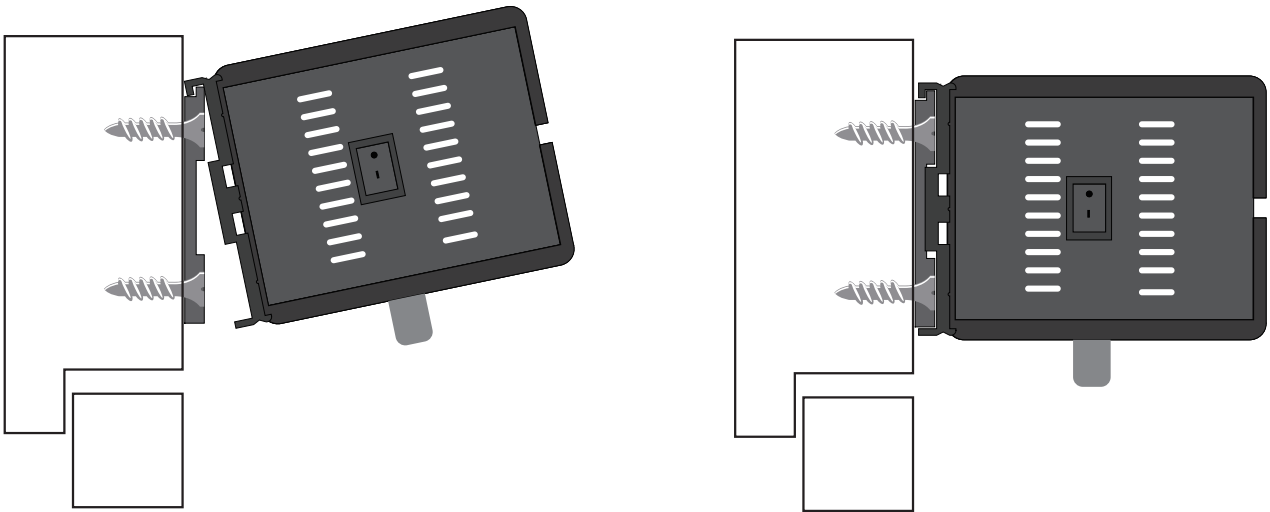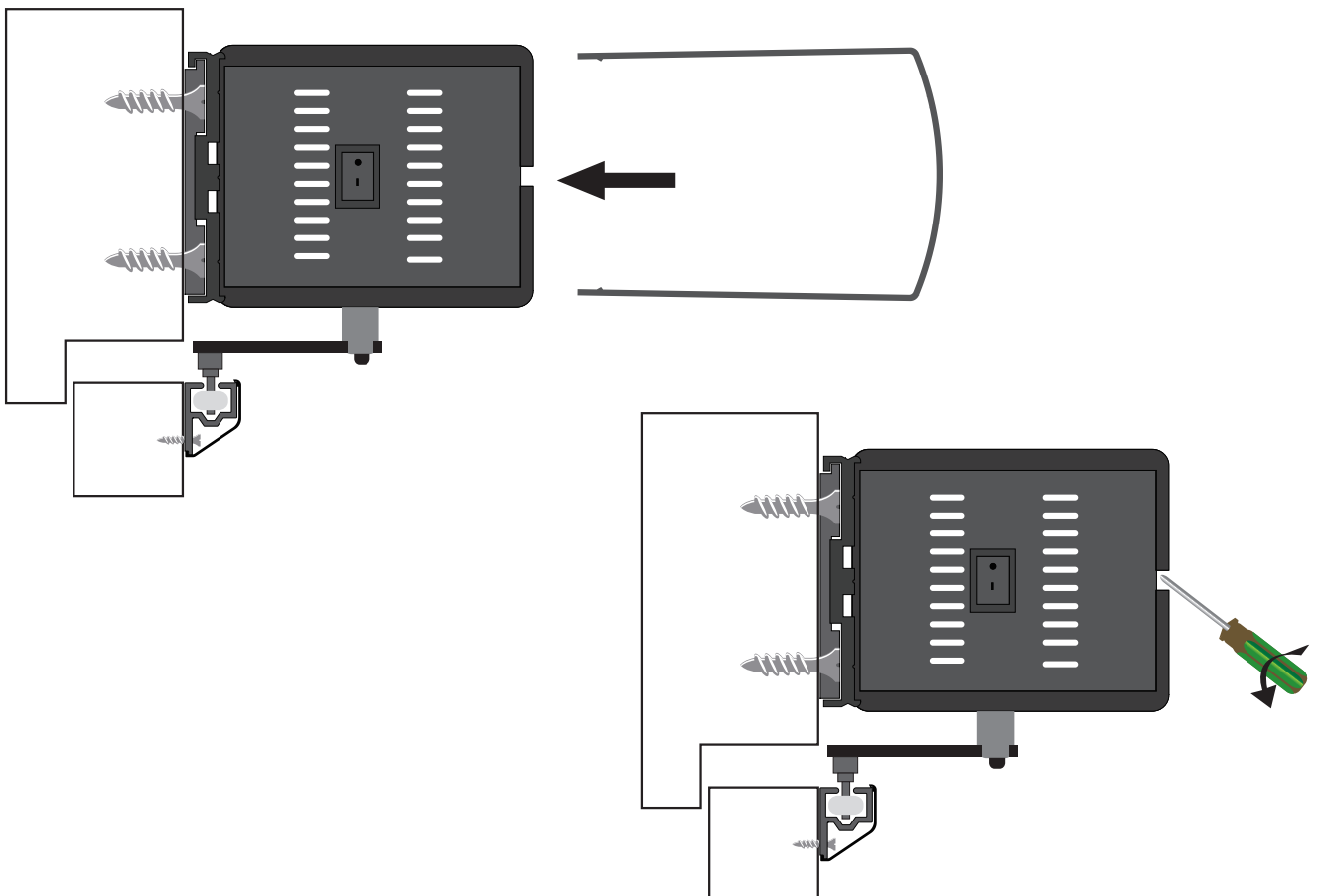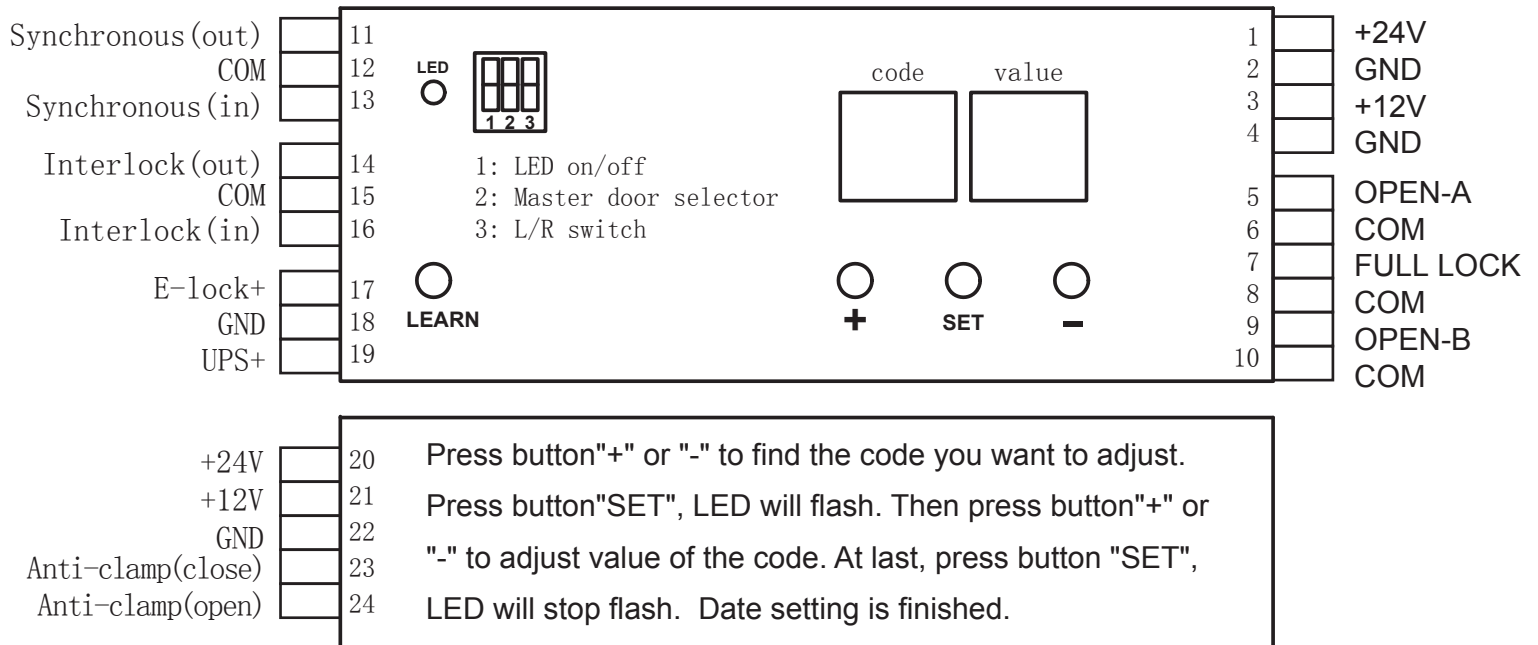3 — +12V
4 — GND
5 — OPEN-A
6 — COM
7 — FULL LOCK
8 — COM
9 — OPEN-B
10 — COM

+24V — 20
+12V — 21
GND — 22
Anti-clamp(close) — 23
Anti-clamp(open) — 24

Press button"+" or "-" to find the code you want to adjust.
Press button"SET", LED will flash. Then press button"+" or
"-" to adjust value of the code. At last, press button "SET",
LED will stop flash. Date setting is finished.

4.2 Date setting

Code no.	Value range	Default value	Details	
01	30-99	53	Opening speed	
02	30-99	43	Closing speed	
03	5-29	9	Buffer speed when opening	
04	5-29	8	Buffer speed when closing	
05	1-5	1	Force of push and opening	
06	0-5	0	Closing force when closed	
07	0-1	0	Open model	(0: push and go) (1: push not go)
08	0-1	0	E-lock model	(0: lock with remote) (1: lock automatically when close)
09	0-60	2	Opening time	
10	5-30	15	Learning speed	

A: Automatic

B: Full lock

C: Full open

D: Open one time

Remote
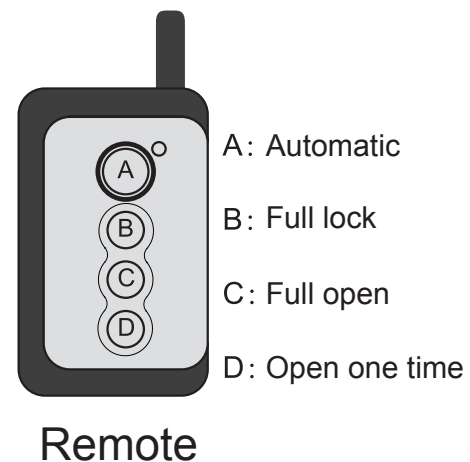
Wiring connection of electronic lock

```
0    (black)
12V （red）
```
17. Electronic lock+
18. GND

Inter-lock

16. inter-lock signal（IN）
COM
14. inter-lock signal（OUT）

16. inter-lock signal（IN）
COM
14. inter-lock signal（OUT）

Door A   Door B

Synchronous

13. Synchronous（IN）
COM
11. Synchronous（OUT）

13. Synchronous（IN）
COM
11. Synchronous（OUT）

Door A   Door B

24G Microwave sensor

red ——————————— 1. 24V
black ——————————— 2. GND

green ——————————— 9. OPEN-B
yellow ——————————— 10. COM

UPS

18. GND
19. UPS+

V+
V-
B-
B+

N
L

220V
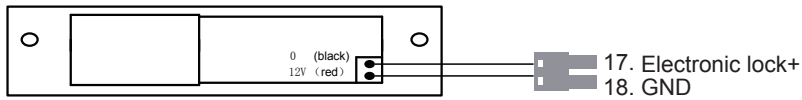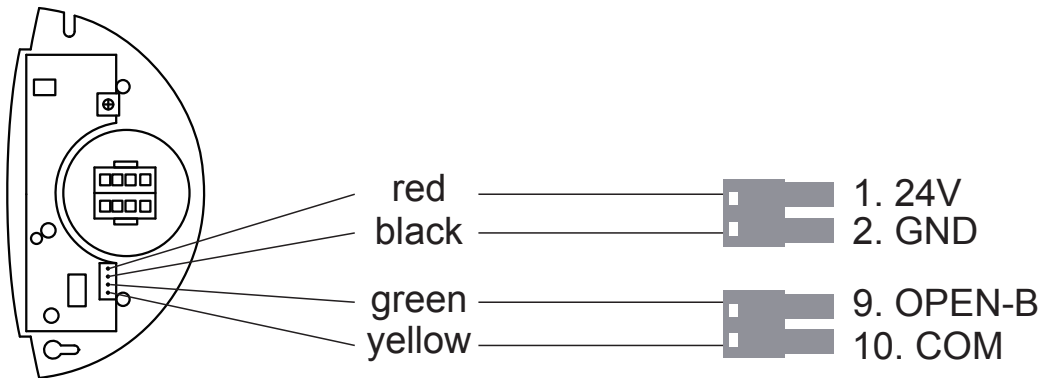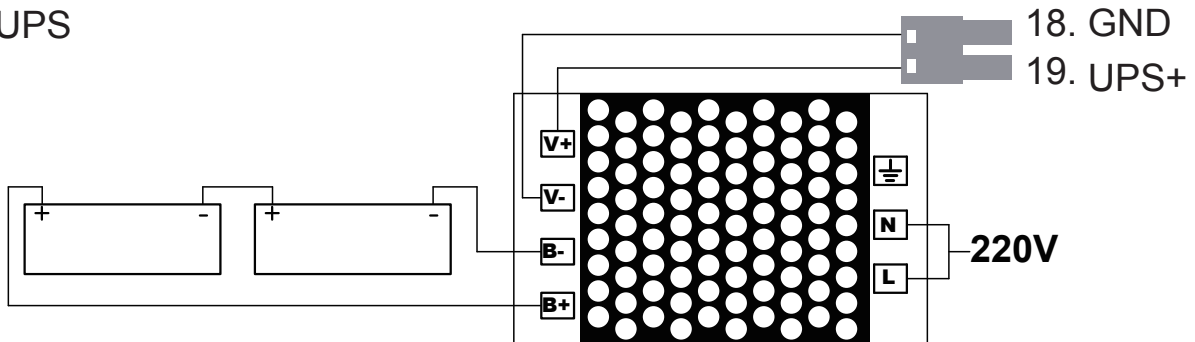
4. Wired Diagram

Anti-clamp sensor when opening

NO
COM
GND
+24V

24. Anti-clamp
22. GND
22. GND
20. +24V

Anti-clamp sensor when closing

NO
COM
GND
+24V

23. Anti-clamp
22. GND
22. GND
20. +24V

Push button PB01

9. OPEN-B
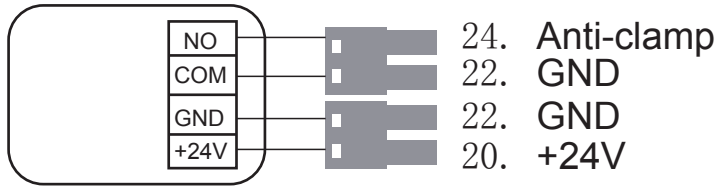10. COM

Access keypad AK02

BELL
BELL
+12V
GND
NC
PUSH/NO
OPENSW
DOOR1
DGND

3. +12V
4. GND

10. OPEN-B

Access keypad AK04

+12V
GND
ALM
MSG
EXIT
D1
D0
NC
COM
NO

BELL

3. +12V
4. GND

2. GND
10. OPEN-B
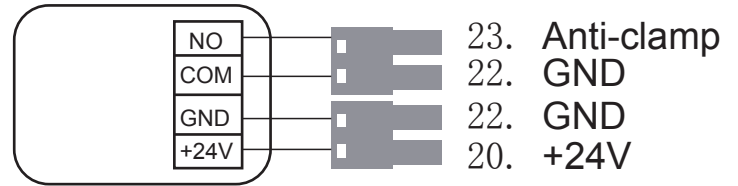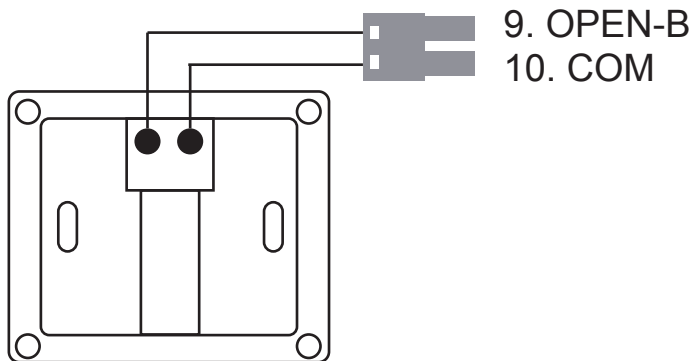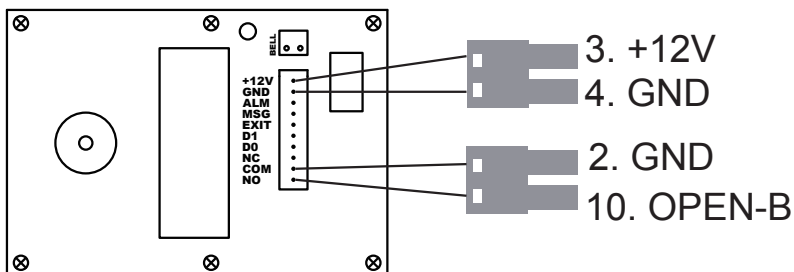
Notes:

1. Add remote：
   Press button "Learn" until the led turn from yellow to red, then push any button on remote. When the led is not red, add successfully.

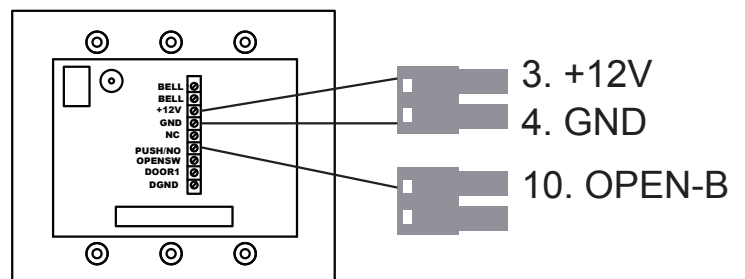2. Delete remote:
   Press button"Learn" until the led turn from yellow to red and then to yellow again (don't release button), press any button on remote, the led flash. Delete successfully.

3. Exit only function:
   Connect outside sensor or button to terminal"Open-B", connect inside sensor or button to terminal "Open-A". Then press "full lock" button on remote.

5. Trouble shooting

Symptoms	Causes	Items Checked	Remedies
Door opened or closed un-smoothly	Opening/closing speed is set too slow	check the opening/closing speed	speed up the opening/ closing speed
	learning speed is too fast	check the learning speed	slow down the learning speed
	Too much resistance	check whether there is someting on the door's working way	clear the obstacle away
Hit the door frame suddenly when closing, door stop suddenly when opening	Buffer speed when opening/closing is too fast		slow down the buffer speed when opening/closing
	Position stopper is loosen.		Fix the stopper.
Door doesn't work	No power	check the power switch, connection terminal from motor to controller	connect the power
	learning speed is too slow		speed up the learning speed.
	Door is locked	check whether the door is locked.	un-lock the door
	Obstacle in the pull bar's guider.	check the pull bar guider	remove the obstacle
	Resistance force is too stronge.		Power off, push the door leaf. Make sure the door work smoothly.