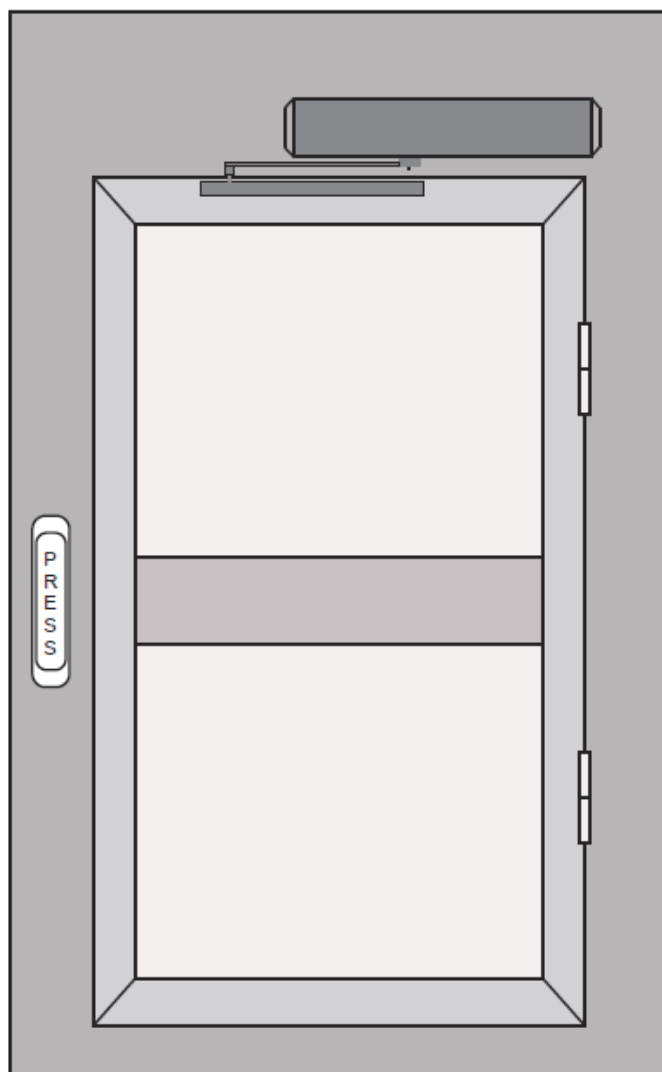




Electric Automatic Door Opener



VIS-440 Series Installation Manual

www.visionistech.com

1	Technical Parameters	1
2	Components	2
3	Installation Steps	4-12
3.1	Installation of bottom plate	4
3.2	Installation of bottom plate	5
3.3	Installation of pull bar	6-7
3.4	Installation of pull bar	8
3.5	Installation of push bar	9
3.6	Installation of push bar	10
3.7	Finished installation	11
3.8	Mechanism and cover installation	12
4	Wired diagram	13-15
4.1	Terminal details of controller	13
4.2	Data setting	13
4.3	Connection of commonly used and special function	14-15
5	Remote Functions.....	16
6	LED display feedback.....	17
7	Trouble shooting	17

1. Technical Parameters

Dimensions (LWH)	515.62*78.74*114.3mm (20.3*3.1*4.5 Inches)
Weight	17.7lbs
Ambient temperature	-20°C~ +50°C (-4°F~ 122°F)
Operation voltage	AC 100V -127V
Power supply external consumption	24V DC (±10%), 3A
Door opening angle	Max 120°
Opening speed	45°/S
Closing speed	45°/S
Hold-open time	0-60S
Protection class	IP42 Indoor use only

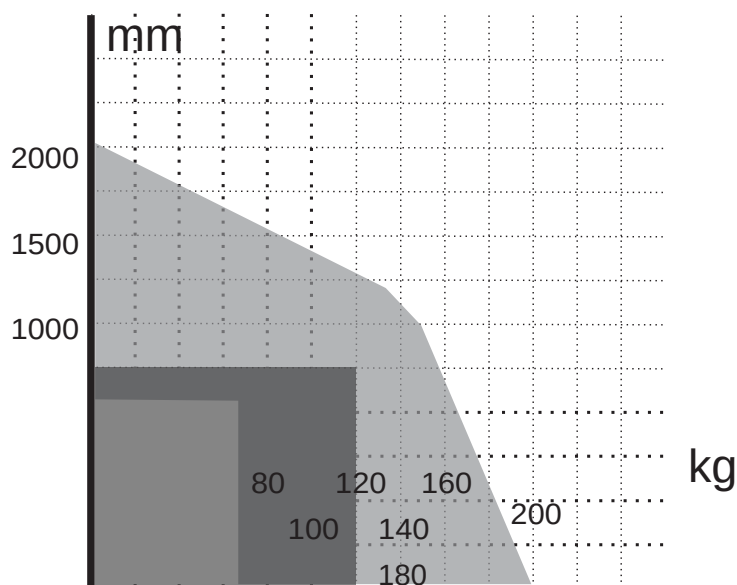
mm=Door width

Suitable range

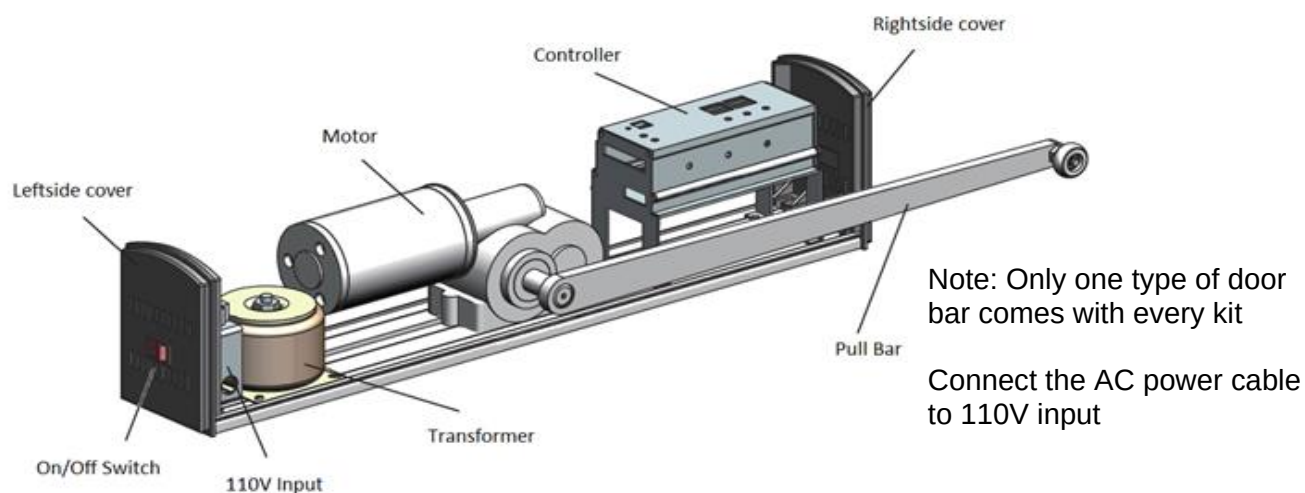
kg=Door weight

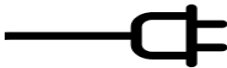


Limit range



2. Components



		Bottom plate
		Pull bar (inswing)
		Push bar(outswing)
		Cover
		Pull guider
		Mechanism
 X 8		Installation Screws
		Allen wrench
 X 2		Door sticker
		Power cord (AC)



CAUTION

We are not responsible for any improper installation of this product
it is suggest for a Professional to install this Automatic door opener.

- Safety devices should be in place and operational.
- Have door adjusted as recommended in Owner's Manual if necessary.
- Have door inspected at least annually by a certified technician.

TYPICAL USED TOOLS



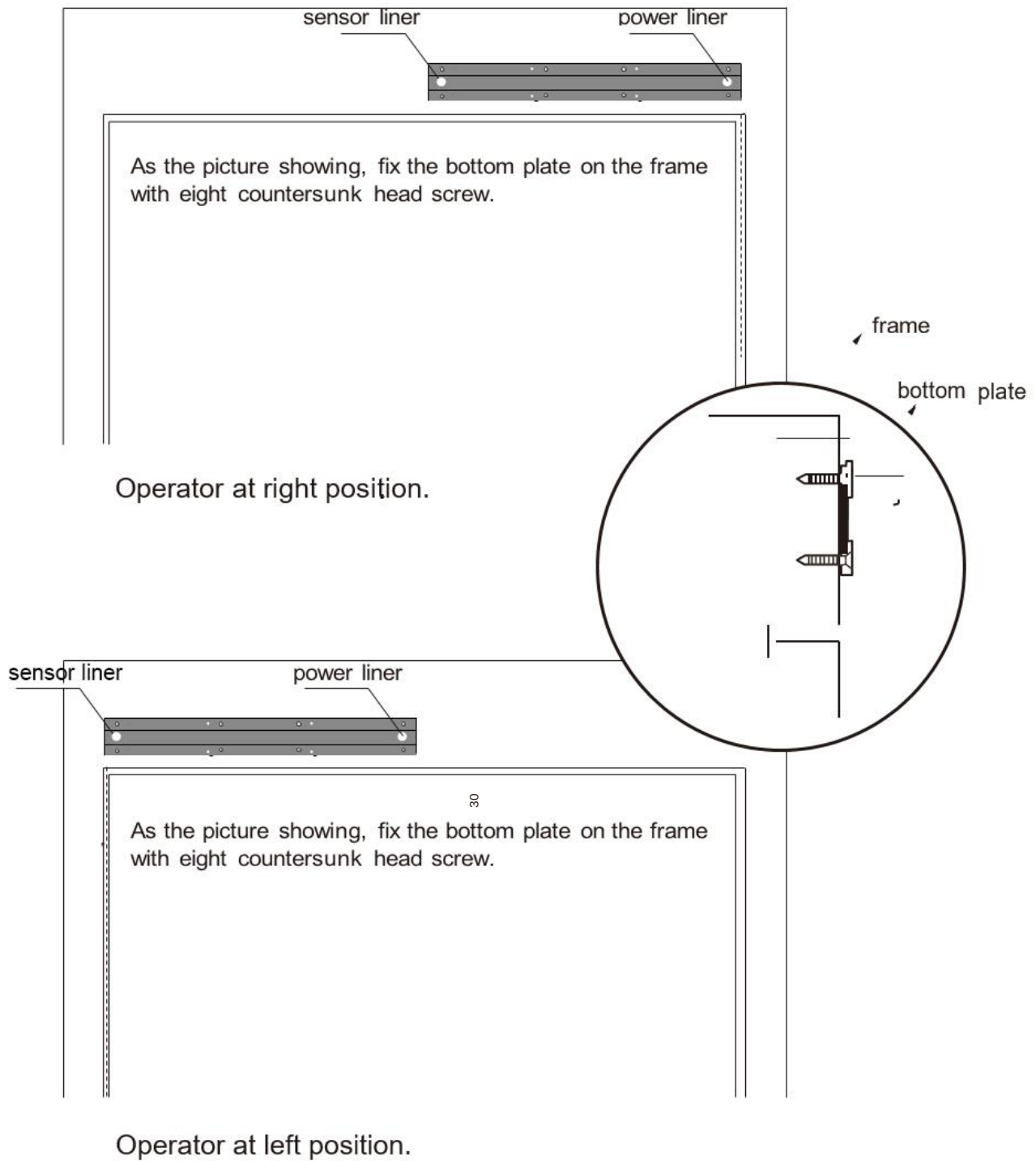
If you choose to use no locks or any other type of locks that is not a door strike, this latch must be remove for proper operation.



3. Installation Steps

3.1 Installation of bottom plate

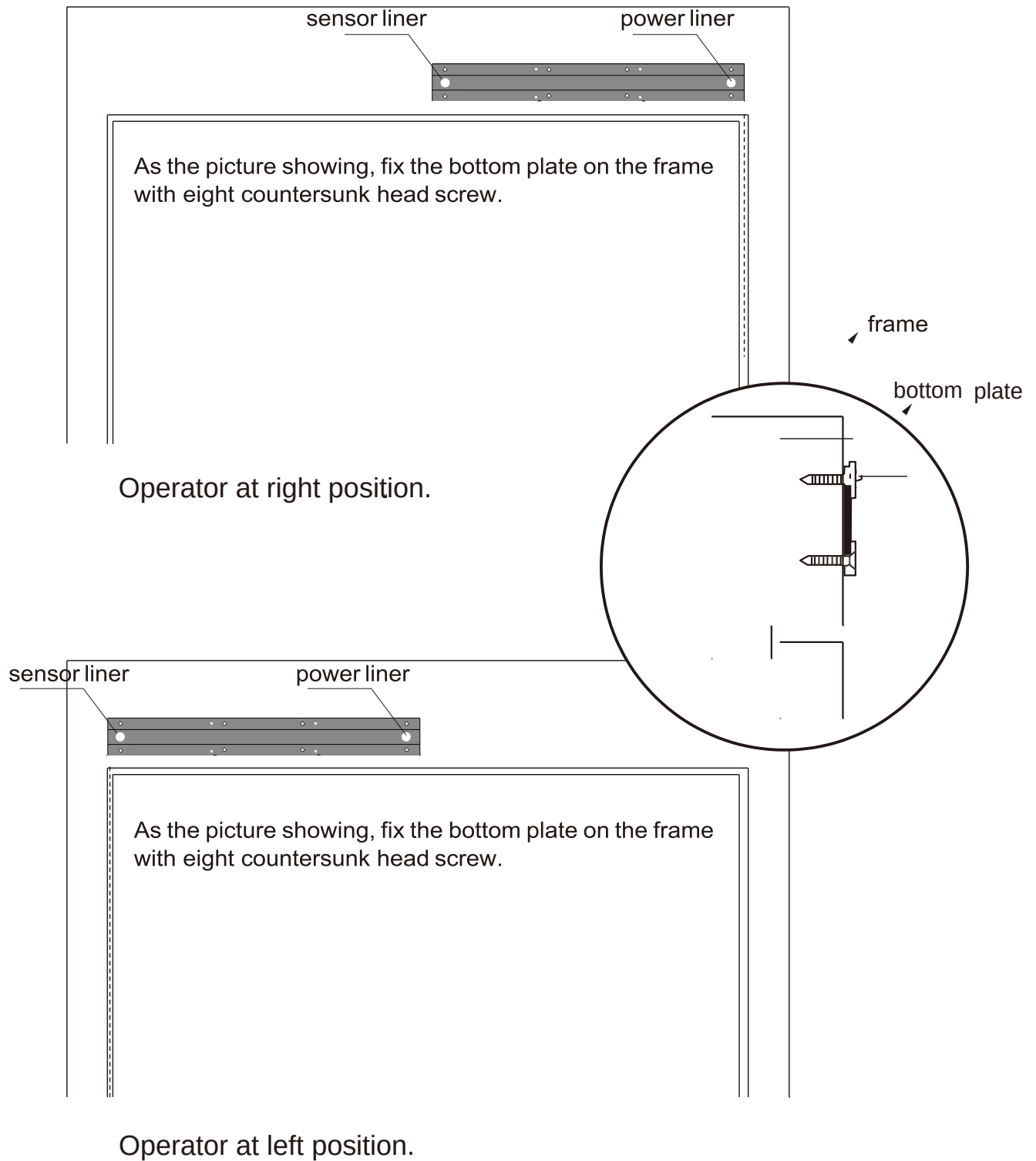
Pull bar type (inswing)



3. Installation Steps

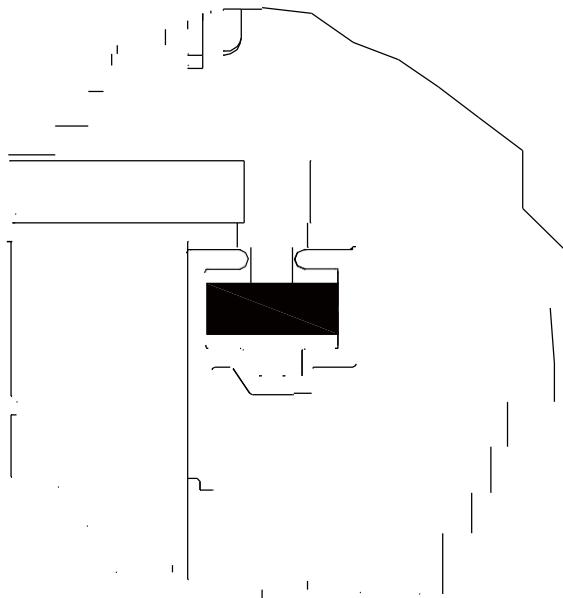
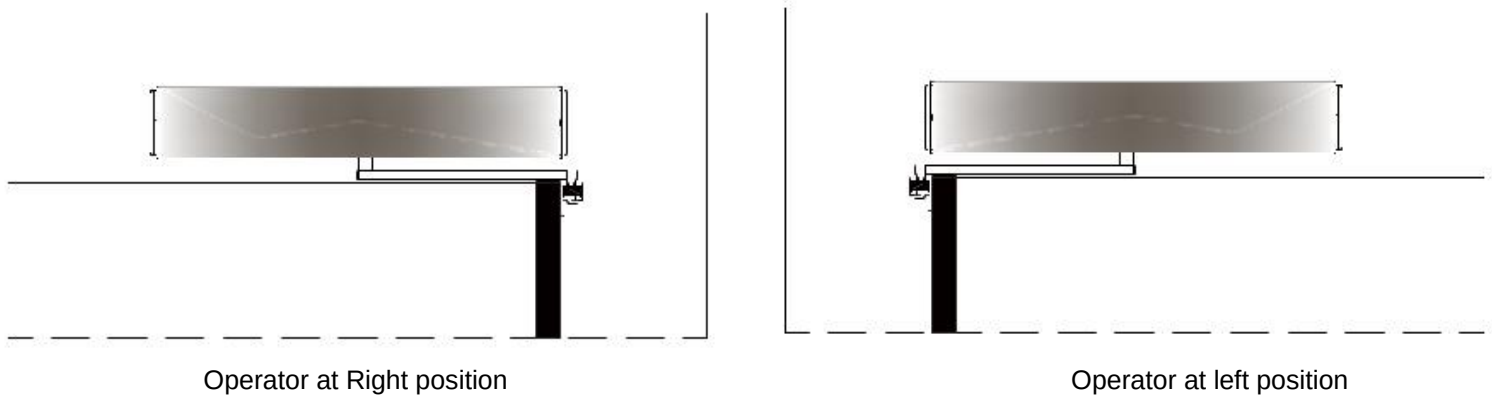
3.2 Installation of bottom plate

Push bar type (outswing)



3. Installation Steps

3.3 Installation of pull bar guider (inswing)

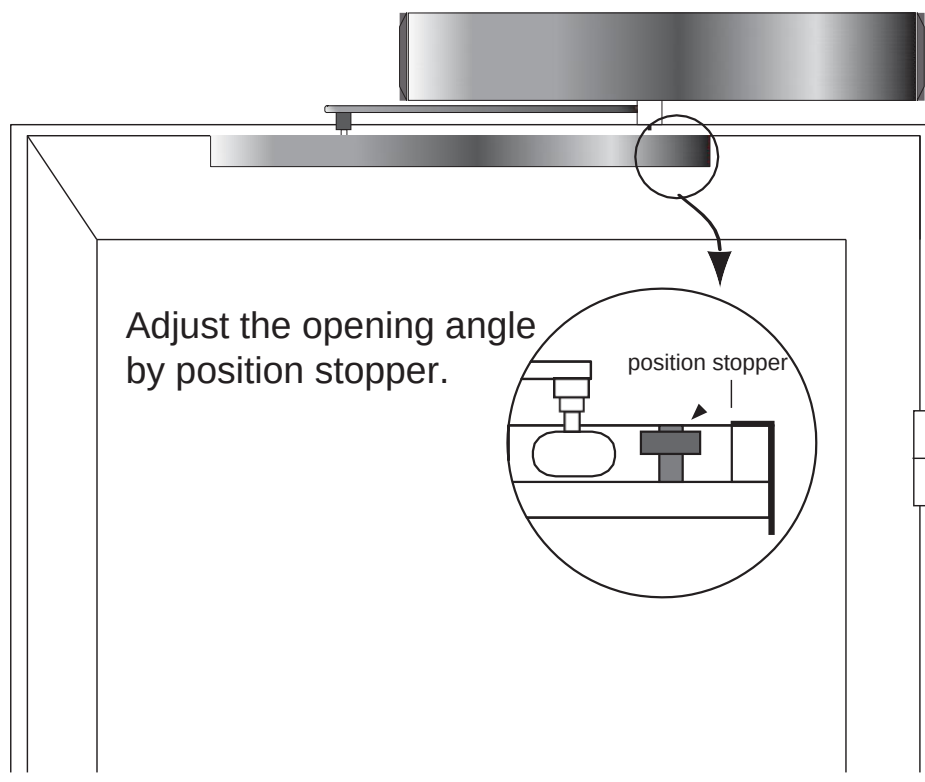
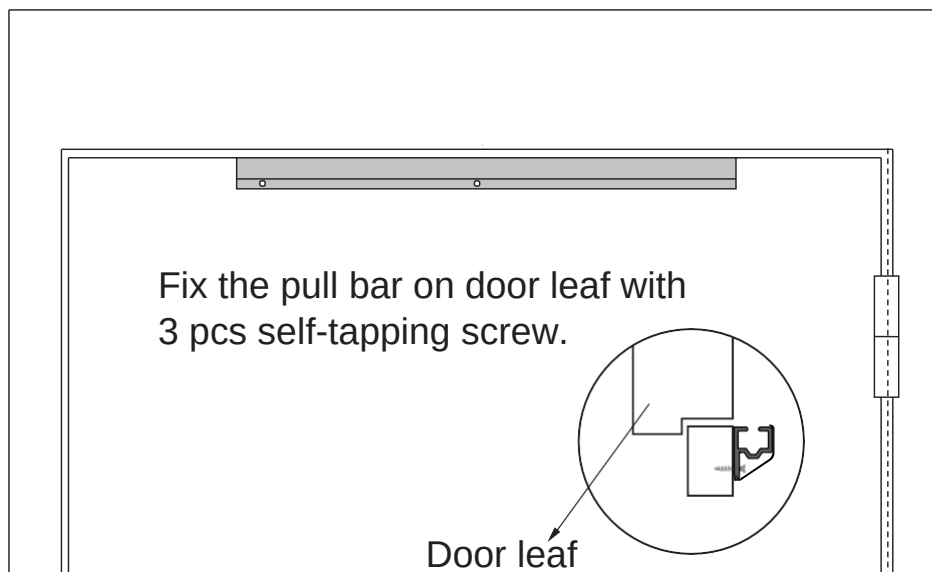


1. Open the door to 90 degree before installation put the slider of pull bar into groove
2. Fix the pull bar installation plate according to the picture
3. Adjust the position of slider installation plate make sure the wheel is at the Middle of groove as the picture shown
4. Keep the position of installation plate tighten the first screw at the axis of door
5. Close the door, repeat the step 3, tighten the second screw at another side
6. Manually open and close several times make sure the pull bar is working perfect,
If there is resistance please adjust the installation plate of pull bar again
7. Tighten the last screw

3. Installation Steps

3.3 Installation of pull bar guider (Inswing Door)

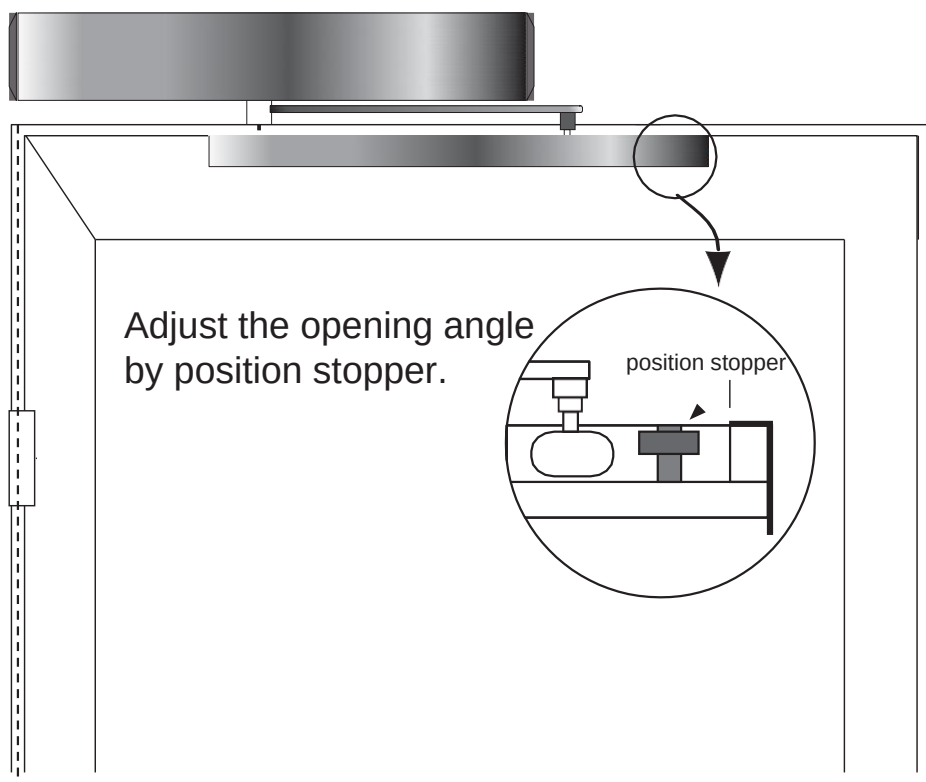
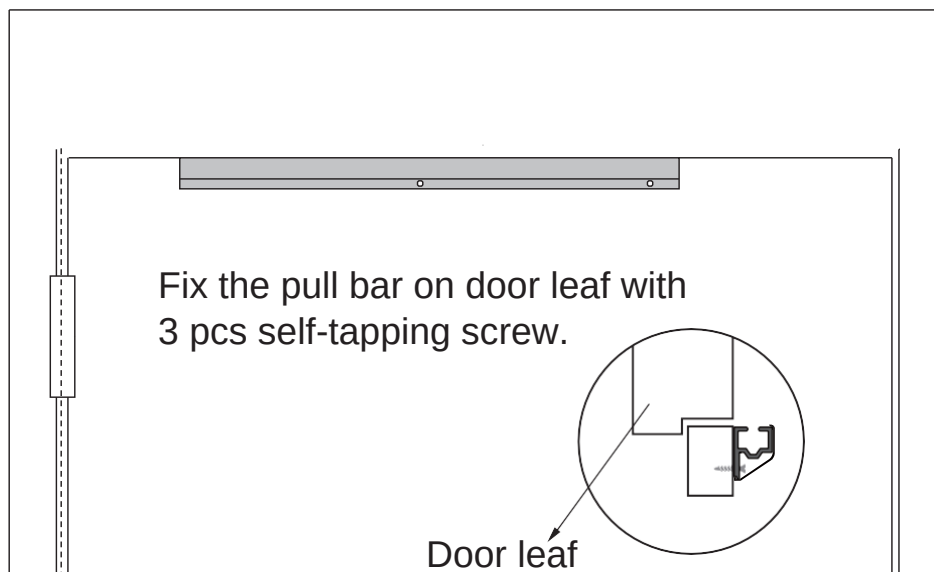
A. Right position



3. Installation Steps

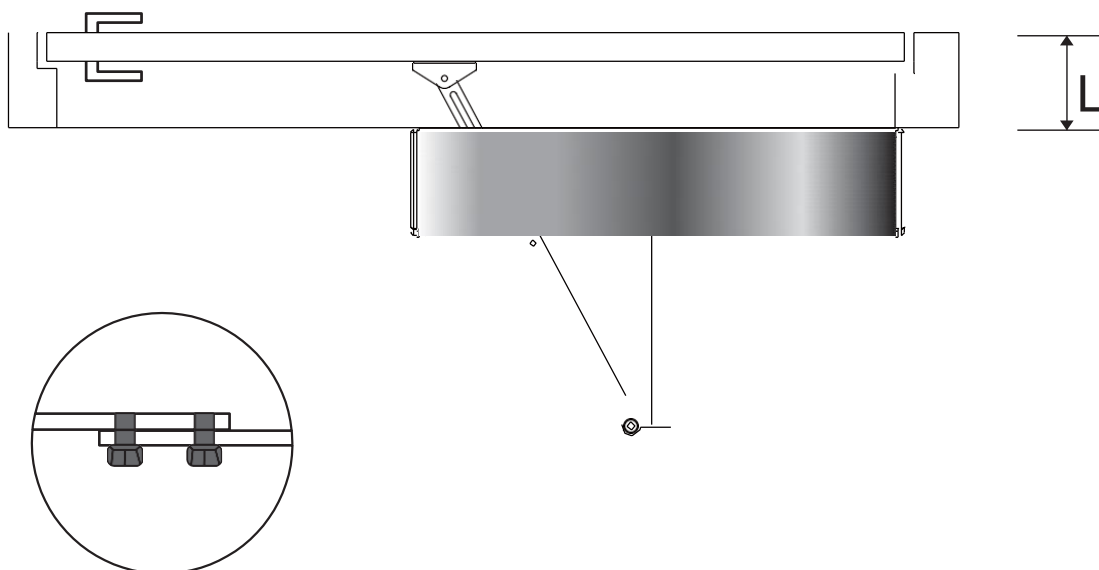
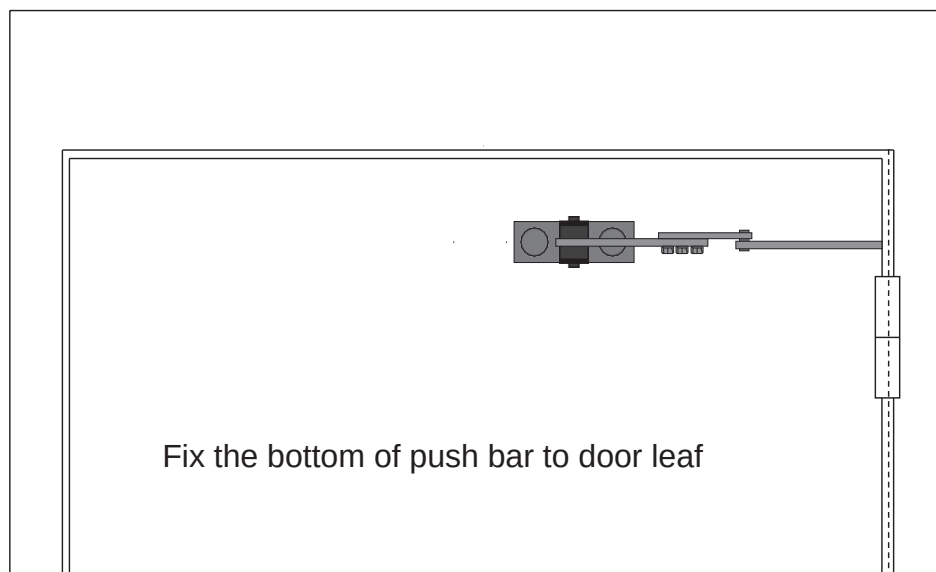
3.4 Installation of pull bar guider

B. Left position



3. Installation Steps

3.5 Installation of push bar (Outswing Door)

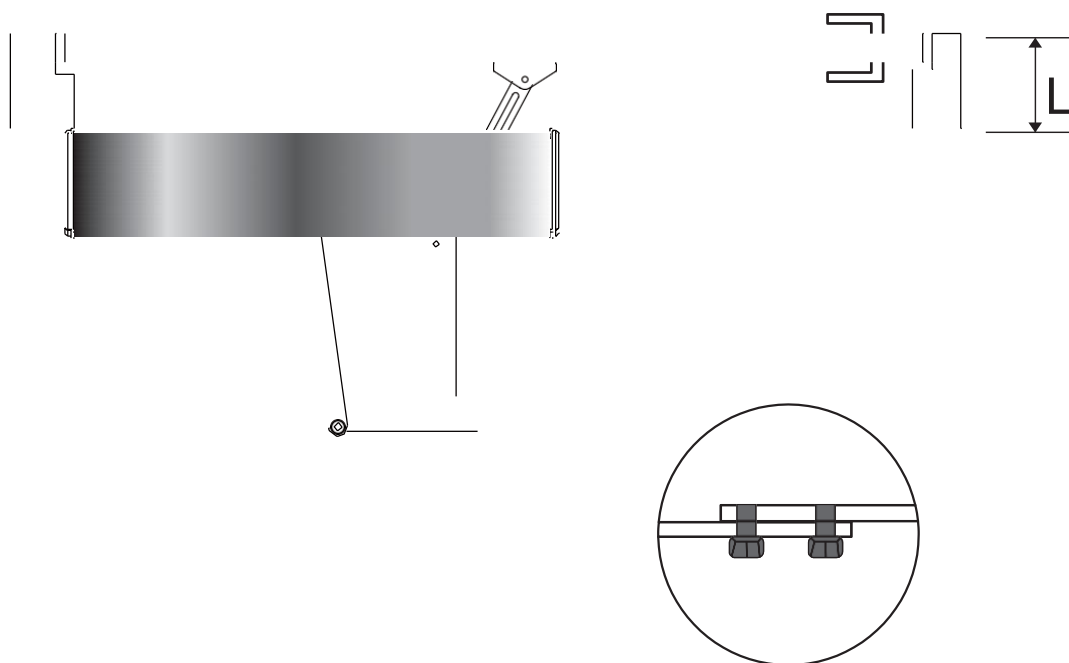
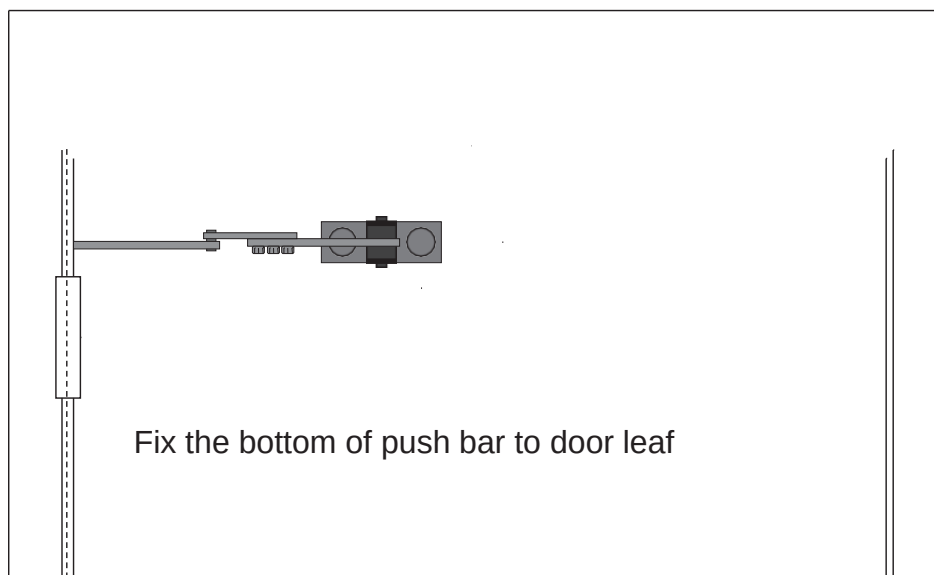


Adjust the push bar length by two screw according to the door frame's depth(L).

3. Installation Steps

3.6 Installation of push bar

B. Left position

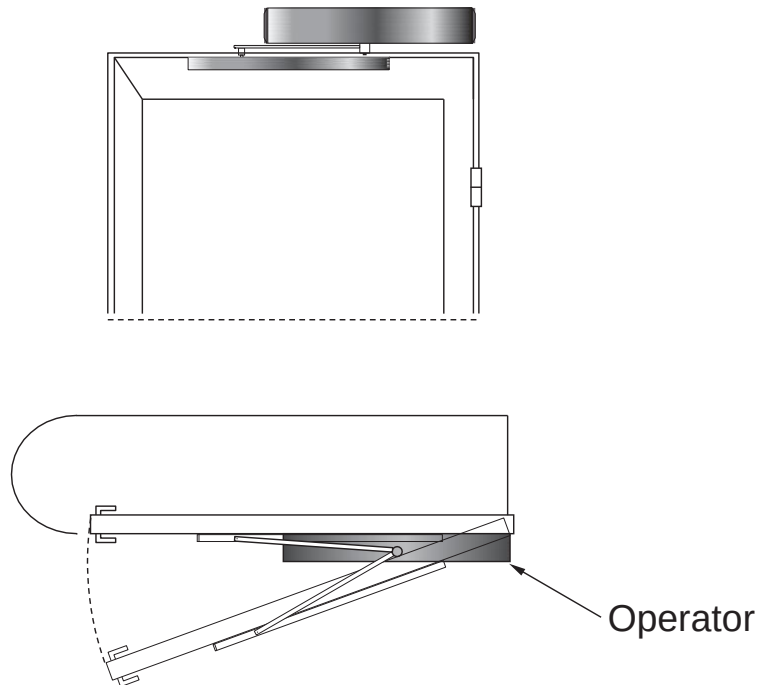


Adjust the push bar length by two screw according to the door frame's depth(L).

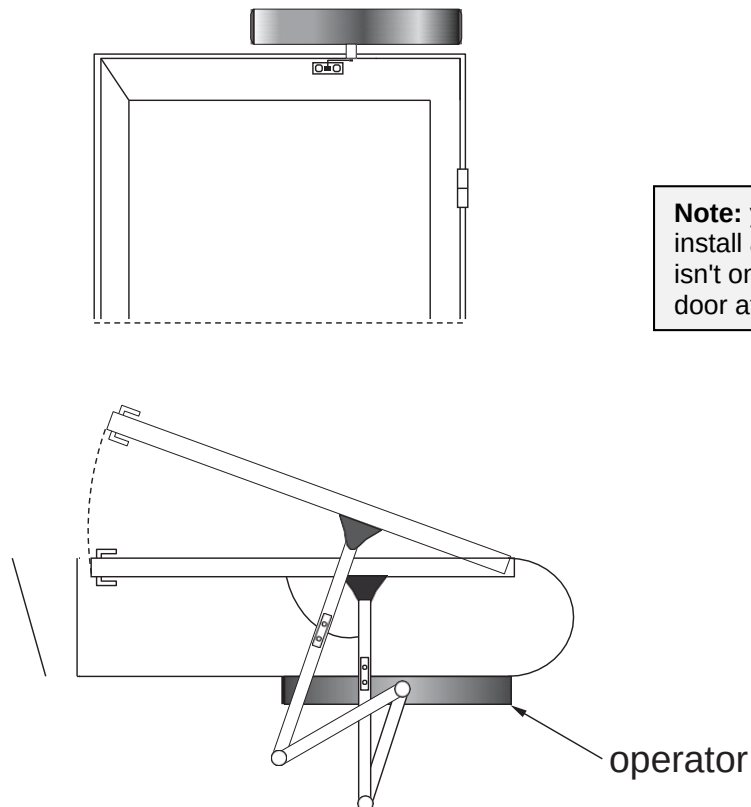
3. Installation Steps

3.7 Finished installation

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



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

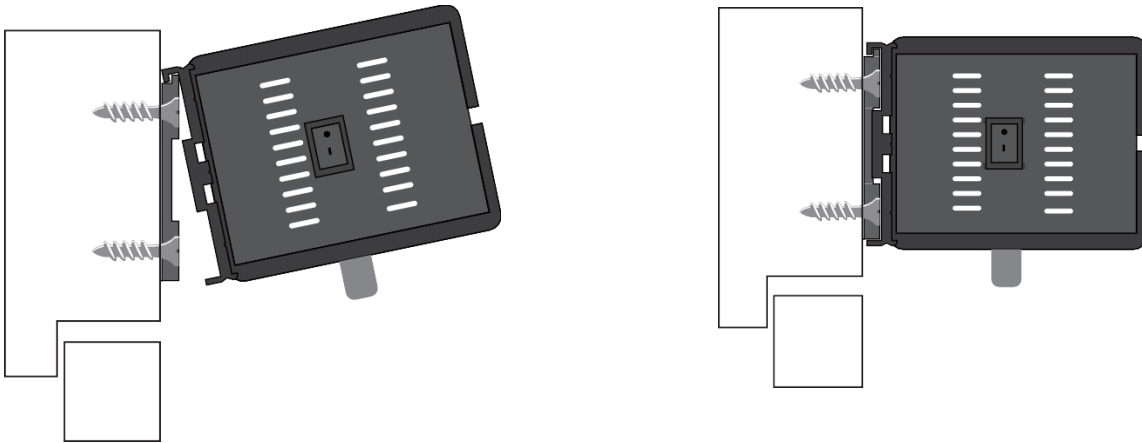


Note: you may have to install a door stopper if there isn't one or a wall to stop the door after opening.

3. Installation Steps

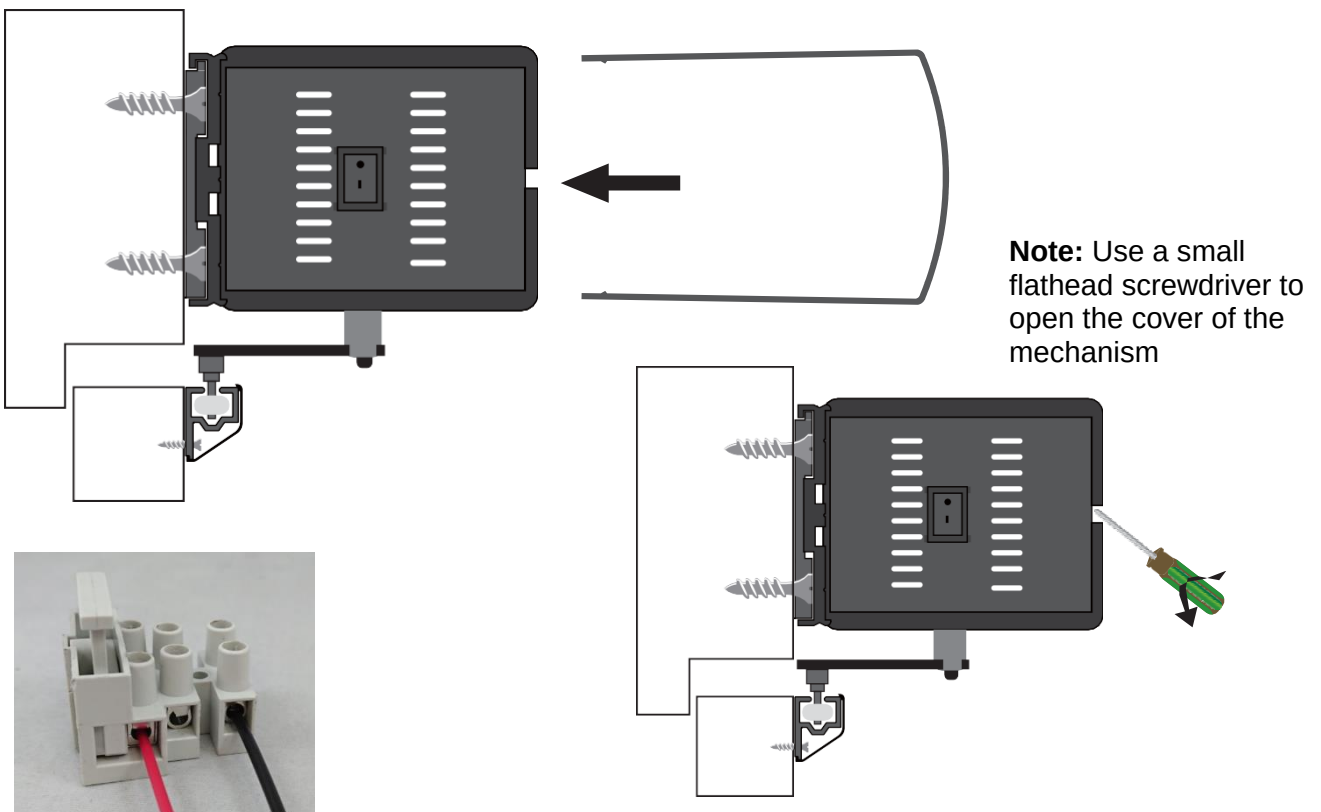
3.8 Mechanism installation

Note: First step is to remove the 8 mounting screws with Allen wrench. Separating the Bottom plate from the mechanism, to be able to mount it on the wall



Hang the mechanism on the fixed base cover with screws.

Assemble and disassemble of the mechanism cover.

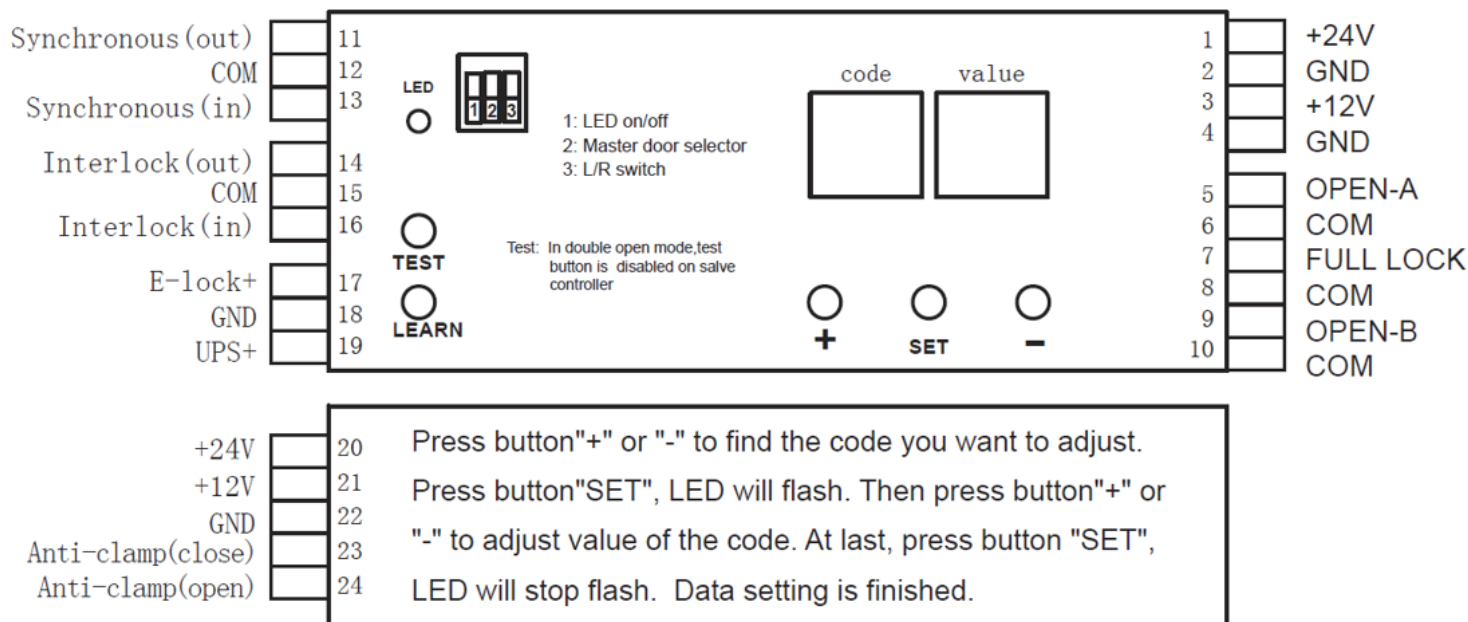


Note: Your power cord will have three cables, you will only connect two. The green cable must be cut off and the two remaining white and black cables go connected into the terminals *Make sure the equipment switch is set to the off position.

4. Wired Diagrams

4.1 Terminal details

NOTE: This product can be adjusted to work in either left or right doors. To change the orientation of the motor Please use DIP switch 3 located on the controller.



Note: Function changes performed on DIP switches will only take effect after system is restarted. Function 2 is only available when working with multiple door openers

4.2 Data setting

code	Setting range	Default	description
01	30-99	60	Opening speed(velocity to open)
02	30-99	50	Closing speed(velocity to close)
03	1-30	10	Delay opening speed (slowdown of door before full open status)
04	1-30	10	Delay closing speed (slowdown of door before full close status)
05	10-50	30	Delay opening angle
06	10-50	30	Delay closing angle
07	0-60	2	Hold-open time 0-60s *time door is open after request
08	0,1,2...8	3	Starting delay time (0-4s, 1=0.5s, when lock function working)
09	0,1,2...8	2	Locking delay time (0-4s, 1=0.5s)
10	0,1	1	Locking type (0 : lock by remote; 1 auto lock when closed)
11	0,1	1	Push to open function (0 : working, 1 : not working)
12	1,2,3,4,5	3	Obstacle detection optimized for exterior(wind loads)
13	1,2,3,4,5	3	Auto-locking force
14	1,2,3,4,5	3	Anti-collision force
15	5-30	15	Auto-learning speed
16	0,1,2...10	2	Working interval between master and slave door (0-1s, 1=0.1s) On master door. The setting is working when closing ; On slave door. The setting is working when opening .

4. Wired Diagram

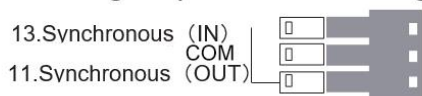
Inter-lock



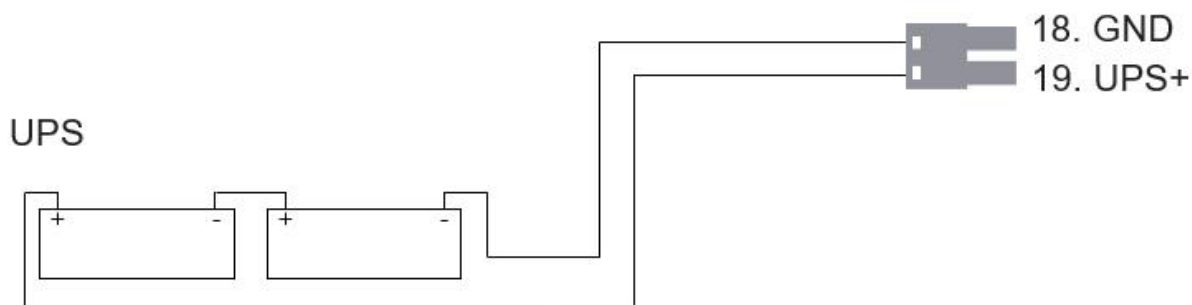
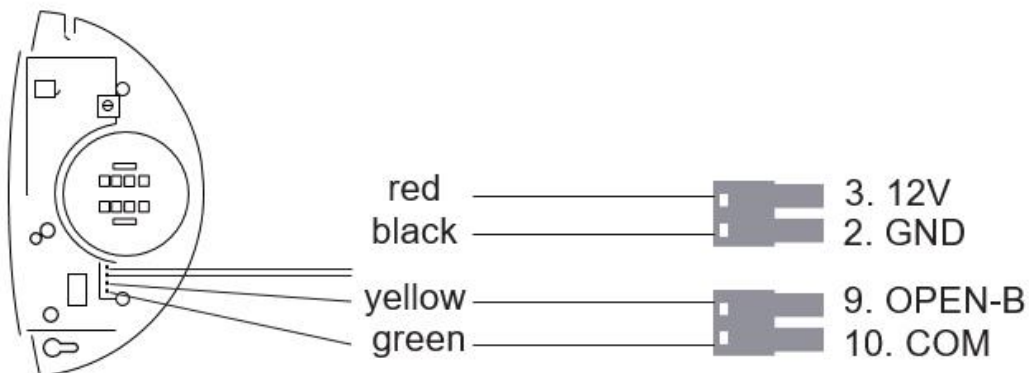
Synchronous



In single open mode : bridge connect terminal 11 and 13

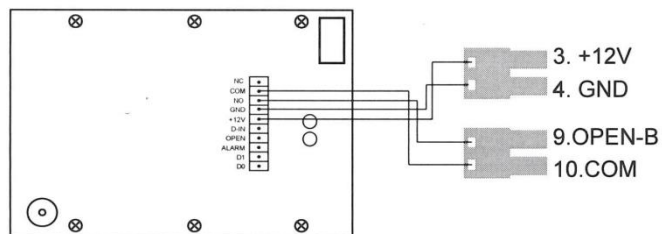


24G Microwave sensor

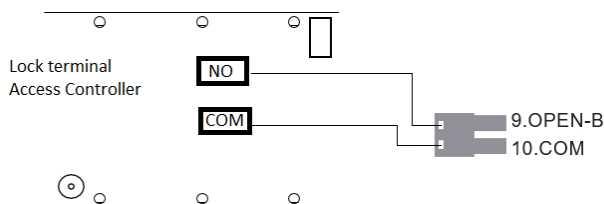


4. Wired Diagram

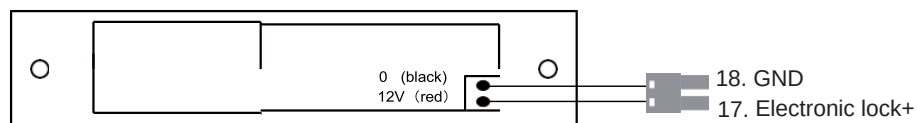
Access Control Reader/Keypads (Stand-alone)



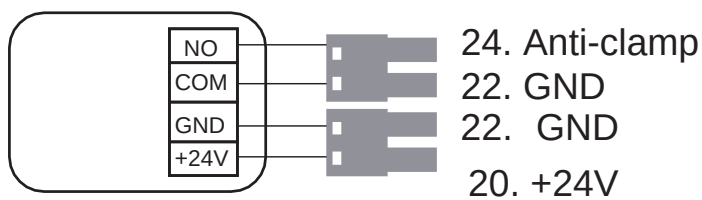
Access Control Panels (ETL & DLX Series, VIS-3013)



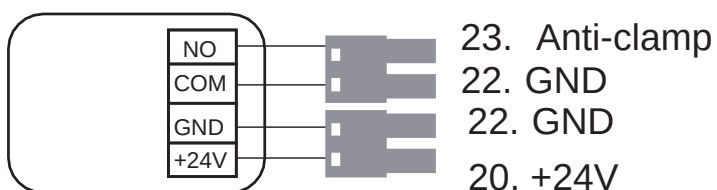
Wiring connection of electronic bolt lock



Anti-clamp sensor when opening



Anti-clamp sensor when closing



5. Remote Functions

Operation of remote control



VIS-8016: **A:** Always open **B:** Closed **C:** Automatic open/close **D:** Full lock

Add the remote : press the learning button on controller till the indicator turn from green to red, then release the learning button and press A button on remote, the indicator turn from red to green alternately 3 times, learning successful.

Delete the remote : press and hold the learning button after 5seconds, the indicator turn from green to red and turn to green again press A button on the remote the he indicator turn from red to green alternately 3 times all the remote memory is deleted (attention, please hold he learning button when you delete the remote memory) .

Wireless push button : Added and deleted wireless push button is same as remote. Please check the DIP switch if it's same as the image shown during setting process) .



Notes:

1. Receiver has been built-in.
2. Lock grades : open A>full lock>open B.
It means when full lock function working, it lock accessories connected to open B, but can't lock accessories connected to open A.
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.
4. When double open, the transmitter should learn both operators together.
5. In double open mode accessories should connect to both controller (parallel connection).

6. LED Display Feedback

Single opening	
LED display	Details
Dr11	No problem.
Dr12 or Dr13	Terminal 11 and 13 are not connected. (They should be connected when single opening)
Er01	Over current protection for Controller.
Er02	Motor has problems.

Double opening	
LED display	Details
Dr12	Master door
Dr13	Slave door
Er01	Over current protection for Controller.
Er02	Motor has problems.
Er03	Synchronized wired problem.
Er04	Master door and slave door settings problem.

7. 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 something 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 strong.		Power off, push the door leaf. Make sure the door work smoothly.