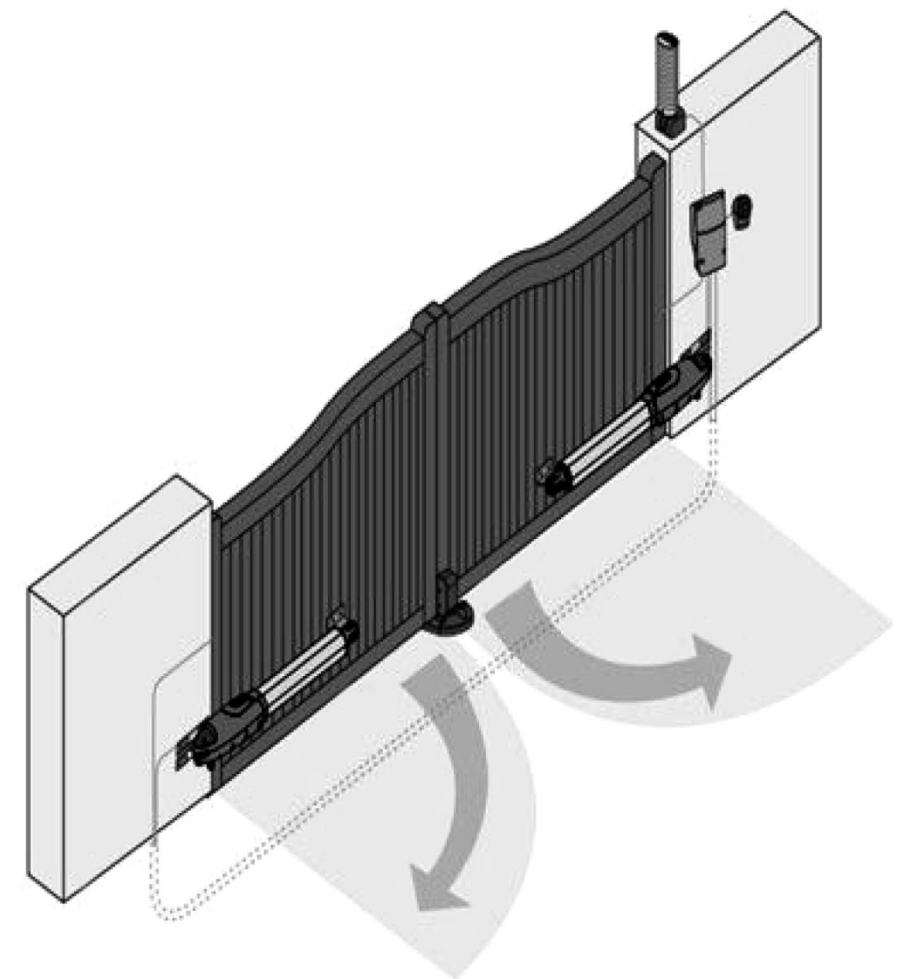


330K Swing gate Opener

INSTALLATION MANUAL



1. Precautions

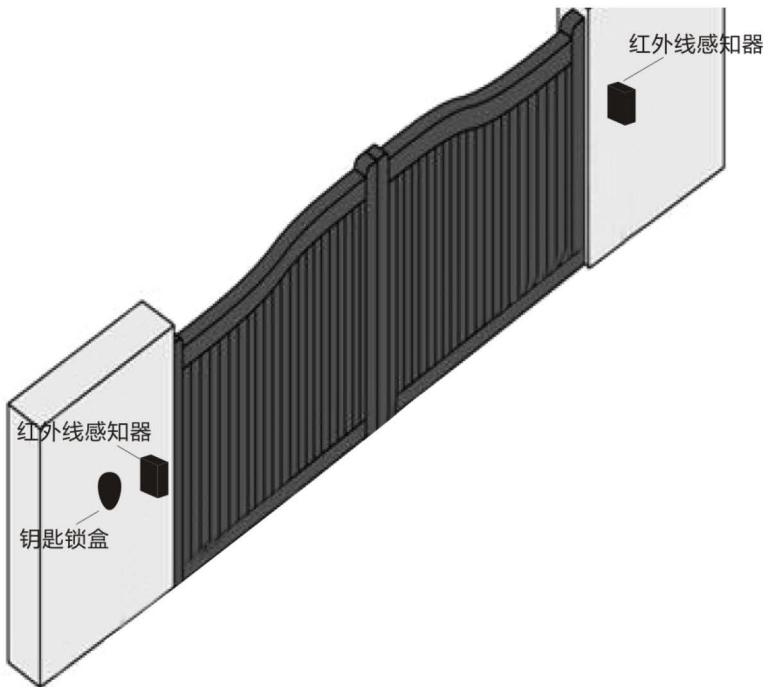
Please read this manual carefully before installing the door opener. This manual must be given to professional installers for reference. The company is not responsible for product failure caused by abnormal installation.

Please check all accessories for the 330K and operate with this manual.

Please note the sections of this manual where the following warning symbols appear.



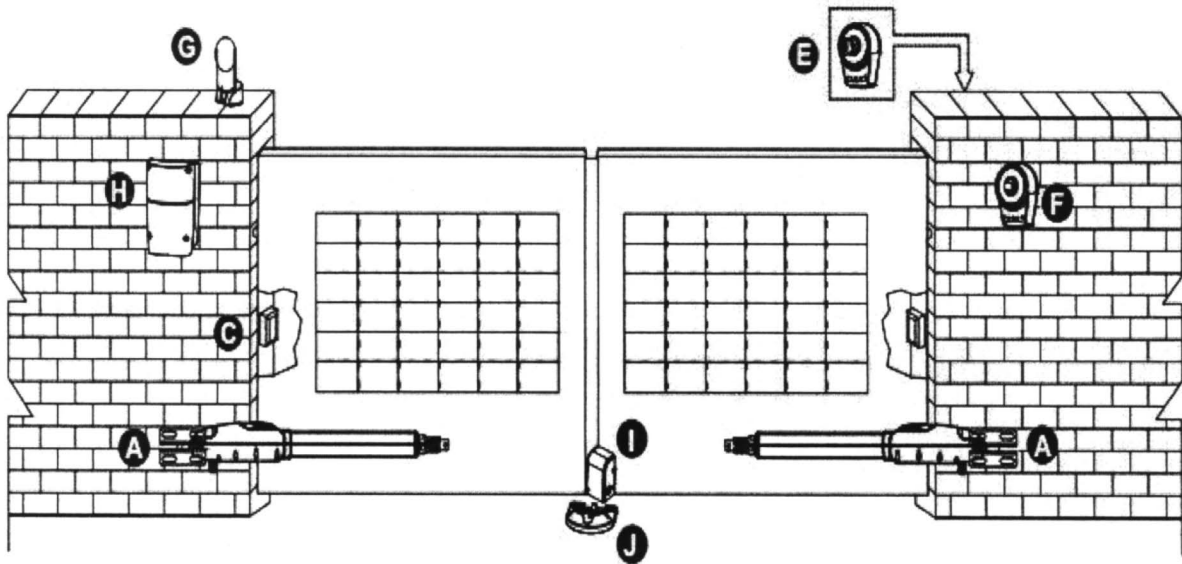
- Please be aware of potential hazards during installation and operation. In addition, the installation must comply with local door operator inspection standards and safety regulations.
- A high degree of safety is guaranteed when the door opener is properly installed and operated in compliance with the safety regulations.
- Confirm that the door can operate smoothly before installing the door opener. And the size and weight of the door meet the specifications of the door opener.
- Do not allow children to operate or play near the door opener.
- When the door operator is operating, for safety reasons, do not approach the area where the door is opened.
- Do not arbitrarily modify the mechanism of the door opener or accessories. unless mentioned in the manual.
- Do not push the door with your hands until the door opener motor is released.
- If the product failure cannot be solved and the problems not mentioned in the manual occur, please contact a qualified installer to deal with it.
- If you have not read the manual carefully and understand the operation method, do not operate the door opener first
- Please test the door opener every week and ask a qualified installer to check the condition of the door opener every six months.
- If necessary, hang warning signs on doors to alert people of potential hazards.



2. Product Description

2.1 Product Application
The 330K door opener is suitable for residential gates and can be used for single or double door installations. 330K door opener must be operated with AC power supply, and it is forbidden to operate with backup battery. The optional backup power supply can only be used for emergency operation in the event of a power failure, and the door opener motor can be manually released using a special key.

2.2 Application Notes
The following diagram shows the location of the 330K door opener and related accessories installation



2.3 Accessories description

Accessories	330K
Front end clamp	2pcs
End fixing part	2pcs
End Clamp	4pcs
M8*25L bolt	4pcs
M8 nut	4pcs
M12 bolt	2pcs
M12 nut	2pcs
Clutch key	2pcs

3. Installation

3.1 Precautions for motor installation

The 330K door opener is mainly suitable for a single door within 4 meters and 500 kg, and the door opening angle can reach 120 degrees. Mainly used for residential purposes, the use of the door opener will be limited by the length of the door, the width of the door and the local climate, and the relevant motor torque adjustment must be properly adjusted in place.

3.2 Power Cord Configuration

The 330K door opener adopts a 2-wire or 5-wire 1.0 square cable to be arranged to the installation position of the motor, ensuring that all wiring is protected by a conduit to avoid wire breakage and damage.

3.2.1 Power Connection

1. Patching of motor power cables should be performed by a qualified electrician.
2. Please turn off all power before installing the motor power cable.

3.3 Install the motor on the door opener

Preparation before installation of door opener

The 330K door opener cannot be installed on unsafe or non-level doors. Improper installation will cause the door opener to work unsmoothly and affect the performance of the door opener.

1. Make sure that the weight and size of the door meet the usage limits of the 330K door opener, and do not overload it.
2. Make sure that the structure of the door meets the standards for the use of the door opener.
3. Make sure that the door can move smoothly when opening and closing without any obstruction.
4. Make sure that the door is installed in a horizontal position, not to any side.
5. Make sure that when the motor is installed in any hole on the fixture, the door can withstand the impact of the motor when it is working.
6. Make sure that the infrared sensor is installed horizontally on a flat surface, and that the transmitter and receiver are properly focused.

7. If the door is installed and opened outward, please reserve at least 70mm in the distance between the end clamp and the door (Figure 1)
8. Use the door opening angle standard to determine the installation dimensions in the picture. (figure 2)
9. The length of "C" is 139mm
10. The length of "D" can be measured from the installation environment of the door.
11. "A" = "C" + "D".
12. The length of "B" can be derived from "A" and the opening angle. Example: If the length of "A" is 160mm and the door opening angle is 100 degrees, the length of "B" is about 190mm.

Please note that the length of "B" and "A" must be similar or the same. On this premise, the door can be opened smoothly and the resistance of the motor can also be reduced.

Figure 1

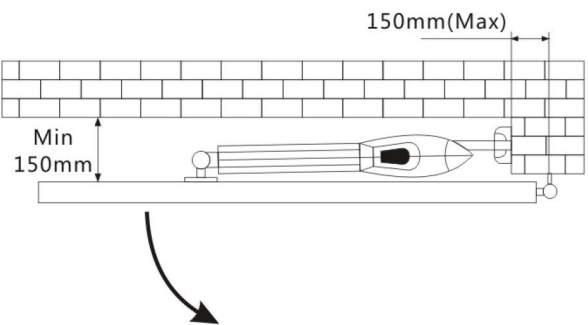
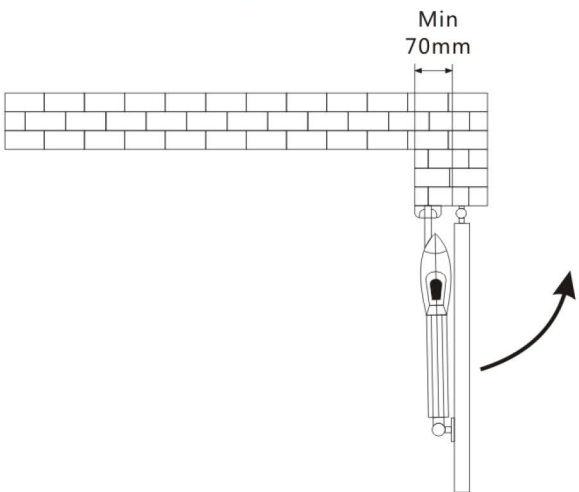
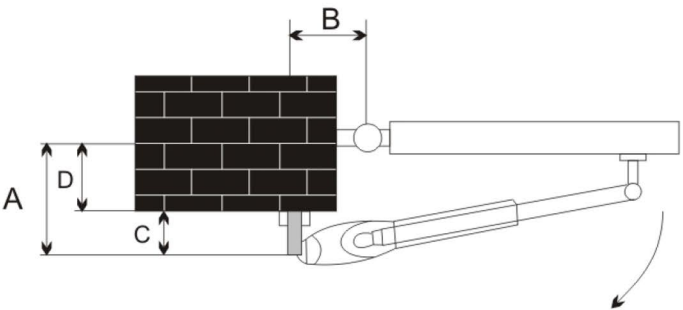


Figure 2



330K



B (mm) A	120	130	140	150	160	170	180	190
120	> 120°					100° ~ 110°		
130						110° ~ 120°		
140								
150						90° ~ 100°		
160								
170						90° ~ 100°		
180								
190								

SWING GATE OPENERS



- Maximum weight length per gate leaf 500kg/4m.
- 24V DC electro-mechanical gear motors for residential use.
- Worm gear provides durability and silence in motor operation.
- Motor configuration within the hall signals to provide accurate positioning.
- Slowdown during the ends of opening and closing phases.
- Single-gate or dual-gate installation is optional.

3.3.2 Door opener motor installation

1. Please confirm the correct angle and position of the motor installation first.
2. Make sure the fixture mounting surface is flat, level and firm.
3. It is recommended to protect the motor wiring with conduit.
4. The best way to install the end clamp is shown in Figure 1 below.
5. Remove the two screws on the motor wiring cover as shown in Figure 2 below.

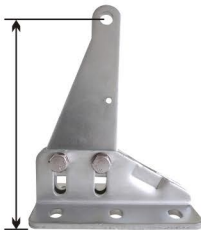
Figure 1



Figure 2



Figure 3



6. Put the door in the closed position.
7. Please refer to the length of "B" in the schematic diagram, place the end clamp in the correct position, and confirm whether the clamp distance is appropriate, as shown in Figure 3.
8. Measure out the holes for the four locking screws from the two end clamps, then lock the fixing piece into the two end clamps, and fix the end clamps horizontally at the previously measured positions with four screws.
9. Make sure that the front end of the motor clamp is installed horizontally on the door.

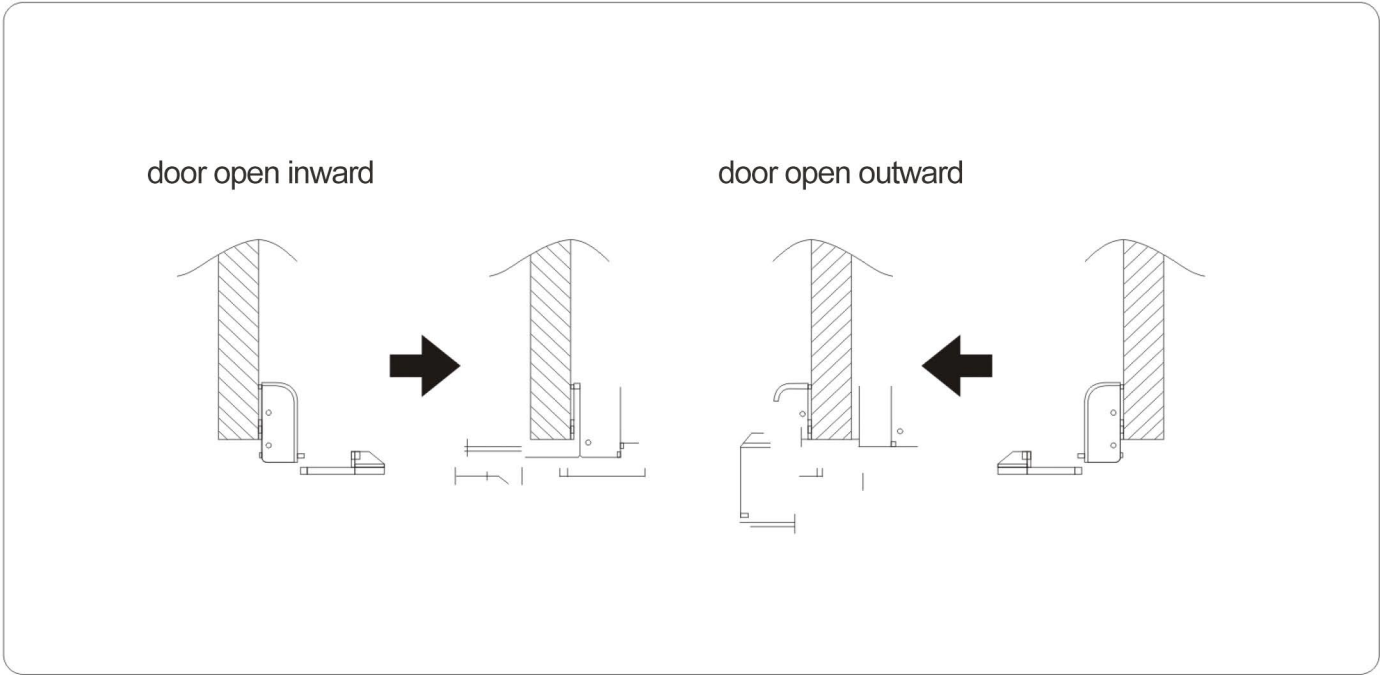
3.3.3 Infrared sensor

1. Select the location where the infrared sensor will be installed.
 2. Remove the top cover screw of the sensor and confirm that the sensor is on the same level.
- It is recommended to install it at a height of 30-60cm.

3.3.4 Installation of electric lock and door stop

1. Before installing the door stop, please make sure that the door is in the closed state and the ground on which the door stop is installed must be level.
2. First place the door stop on the position to be installed, and mark the installation position of the 2 expansion screws.

3. The distance between the bottom of the electric lock and the door stop should be less than 7mm, as shown in the picture



4. Connect the power cord of the electric lock to the LAT (+) and LAT (-) contacts on the 330K circuit board, turn on the 6th switch LOCK on the control board, and turn switch 6 to ON.

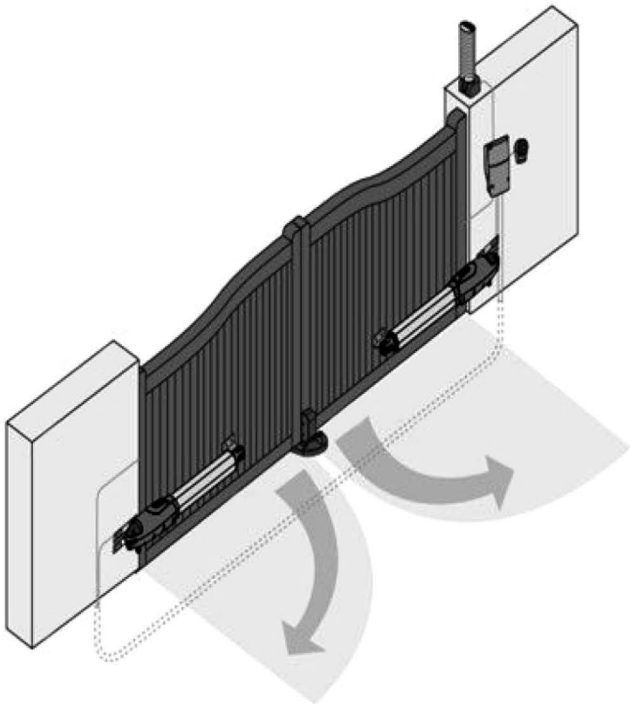
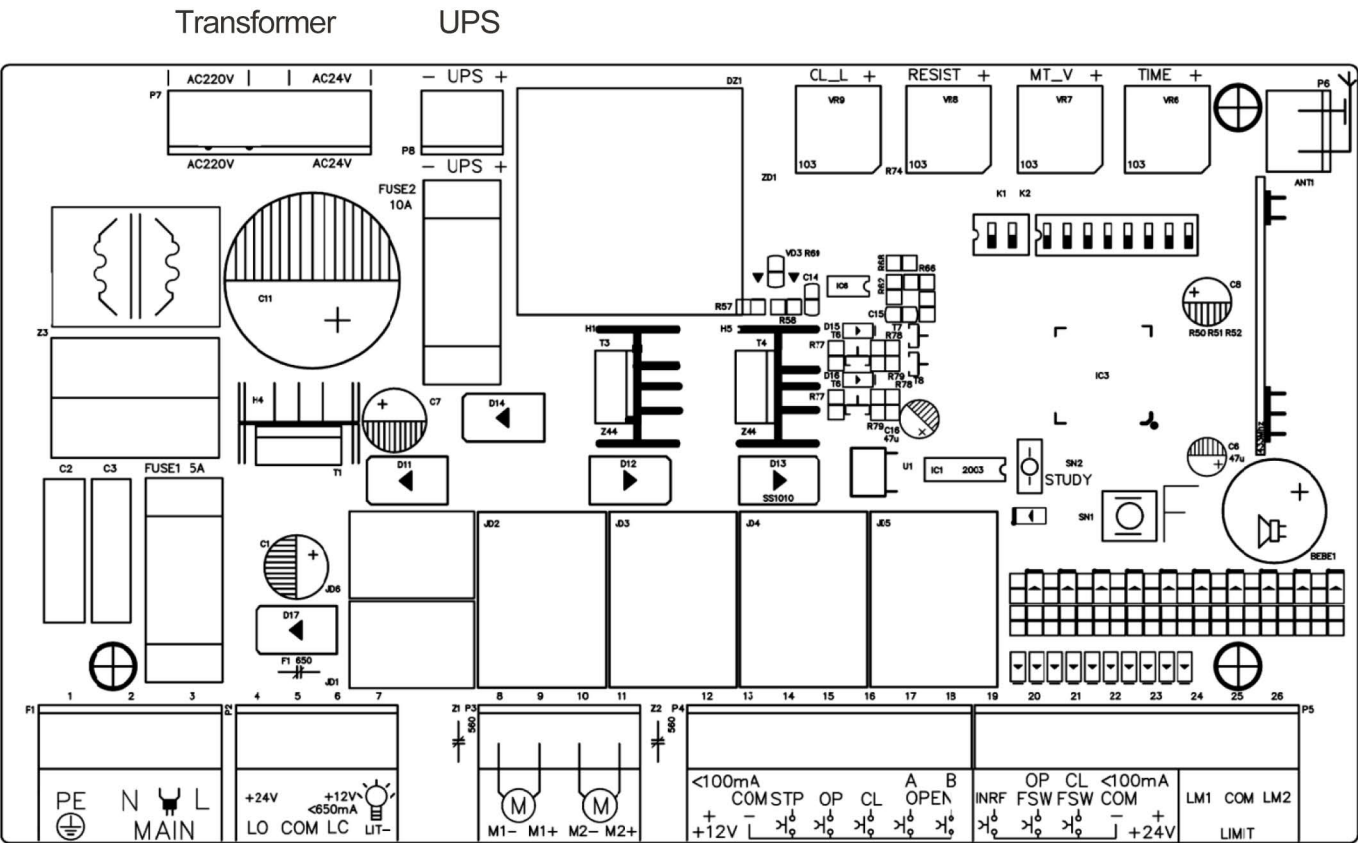


Diagram:



Blue Color Dip Switch Function:

- B1 ON Lock Function
- B1 B2 ON Electric Lock Function

Red Color Dip Switch Function:

- B1 ON Remote ONE
- B2 ON One gate first (3s)
- B3 ON Auto Close
- B4 ON Slow start and stop
- B5 NULL
- B6 ON Cancel the current travel judgement
- B7 ON Cancel the lock half open
- B9 ON Set