



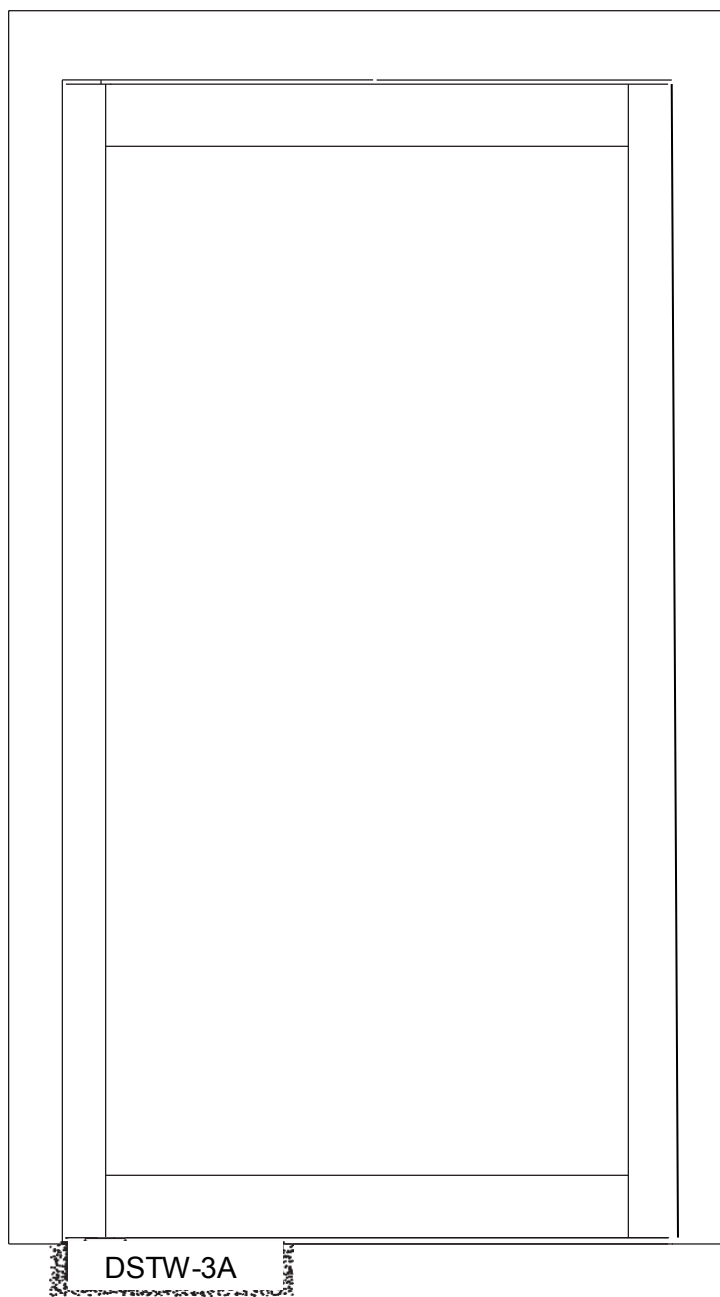
Triplow W



INSTALLATION MANUAL

Automatic Swing Door

Underground



CONTENTS

◆ Instructions for usage and safety attentions.....	1
◆ Description of product.....	2
◆ Technical parameters.....	4
◆ Installation diagram.....	5
◆ Installation steps.....	6
◆ Introduction of controller interface.....	7
◆ Set Zero position.....	7
◆ Description of function menu.....	7
◆ Wiring instruction.....	10
◆ Debugging for single door.....	13
◆ Debugging for double door linkage.....	15
◆ Instructions for Remote control.....	15





Chapter 1 Overview

1. Instructions for usage and safety attention

Read the installation and debugging instructions first and comply with the relevant safety regulations before using this product.

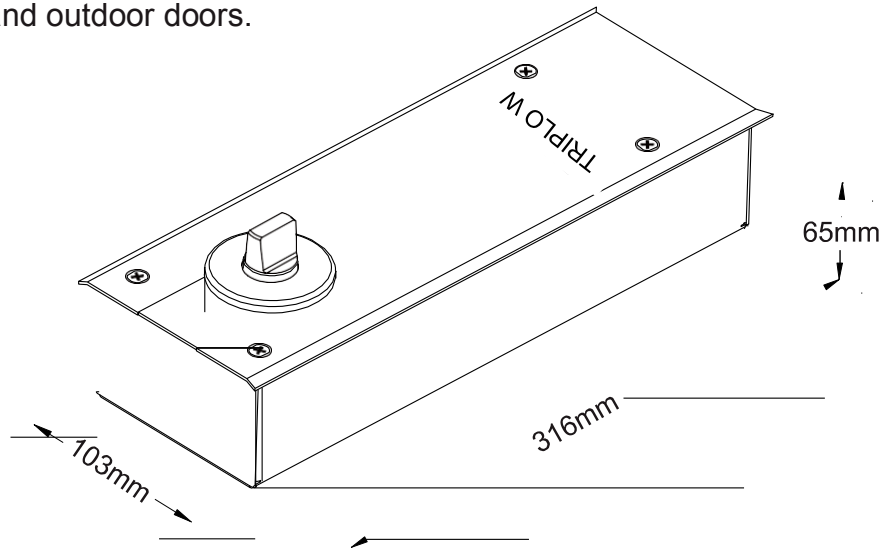
- Before installation, please confirm that the operator and controller are not damaged.
- This product should be connected to a reliable grounding wire, which should be constructed by professional electrical engineers. The power supply should be disconnected before wiring, otherwise there will be a risk of electric shock!
- Check that whether the voltage and frequency meet the requirements of the equipment before turning on the power, check whether the cable terminal is secure, the wiring circuit and position are correct.
- After power-on, the controller units cannot be touched by hand, otherwise there will be danger of electric shock. When installing and repairing, the power should be cut off first, and the insulated gloves should be worn before operation.
- The manufacturer assumes no responsibility for the consequences of improper installation, operation and non-safe operating environment.



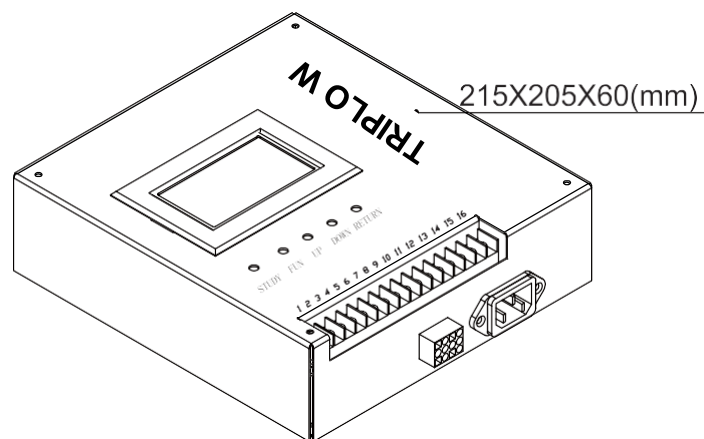


2. Description of product

The model DSTW-3A swing automatic door operator drives the rotating arm by its output shaft to realize the automatic operation of the door leaf, and it is applicable for both indoor and outdoor doors.

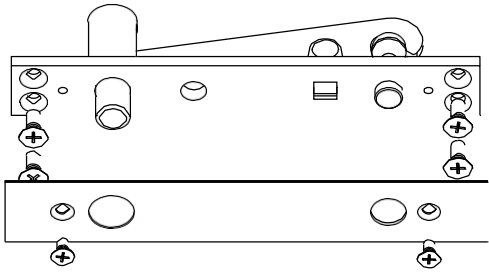
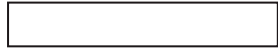


▲ ① Operator

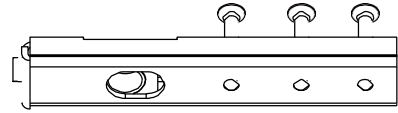


▲ ② Controller

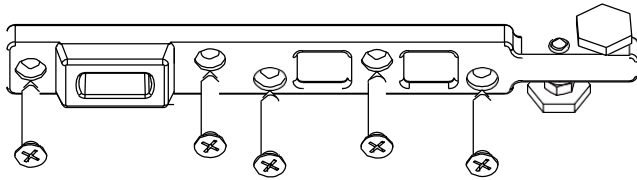




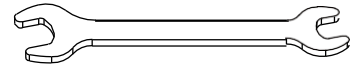
Top brackets



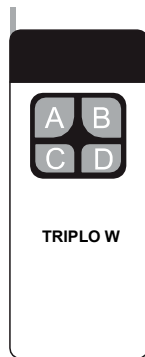
Bottom brackets



Rotating arm



Spanner



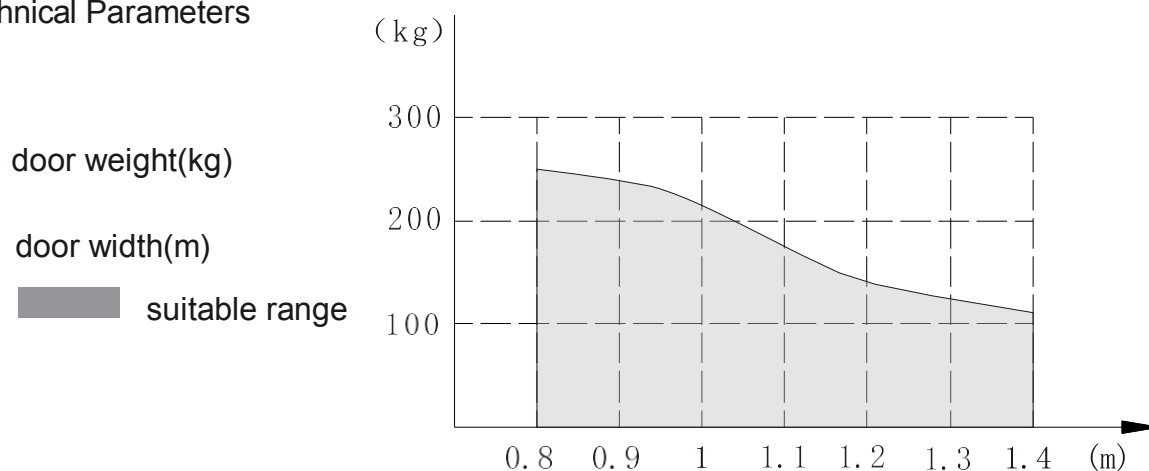
remote control

▲ ③ Parts





3. Technical Parameters

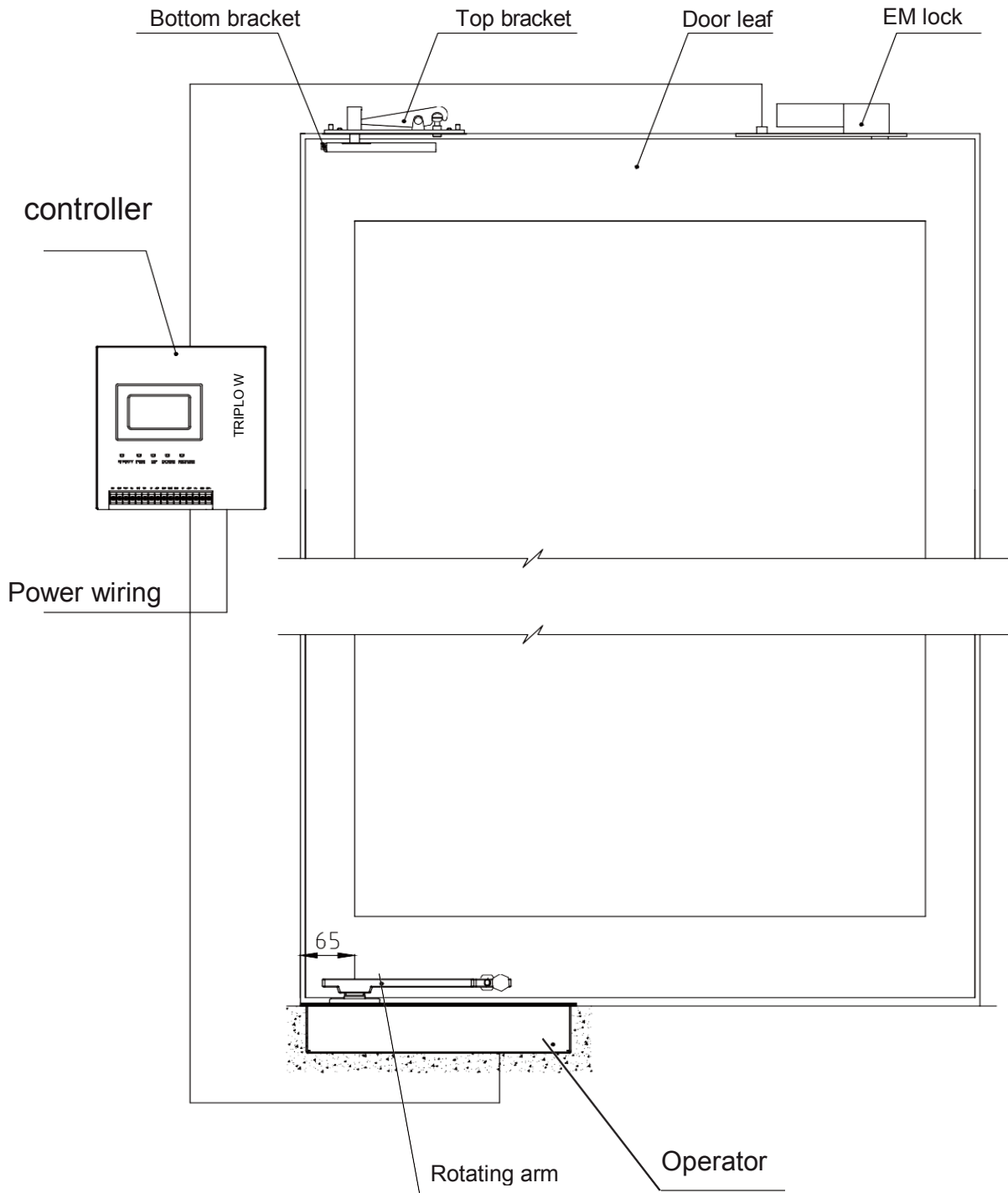


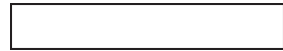
Device model	DSTW-3A
Max door weight	150kg
Max door width	1200mm
Max torque	165Nm
Operator weight	5.5kg
Installation mode	underground
Noise	<60dB
Electric lock output	DC12V NO / NC touch
Opening/Closing time	6-12S
Opening angle	86° -95°
Supply power	AC220V±10% 50/60Hz
Power rated	55W
Standby power	<2W
Environment temperature	- 20℃ ~ 55 ℃
Protection level	IP68
Operator dimension	330 X116 X100 (mm)
Control box dimension	215X205X60 (mm)



Chapter 2 Mechanical Installation

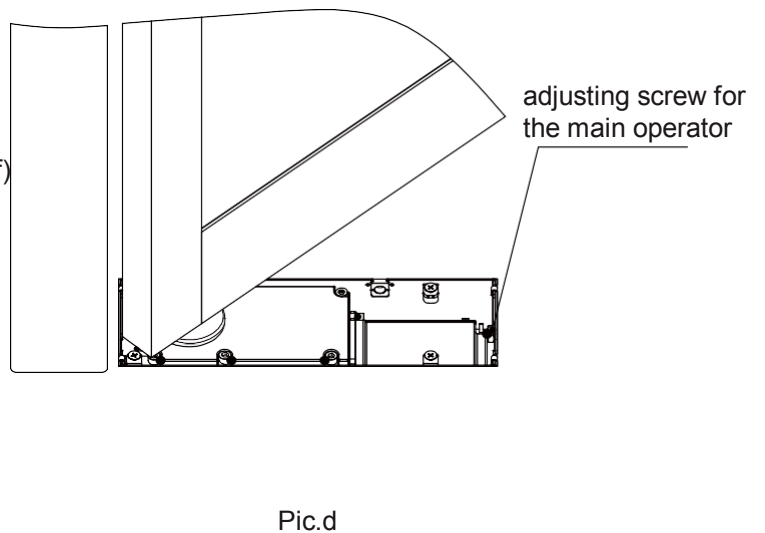
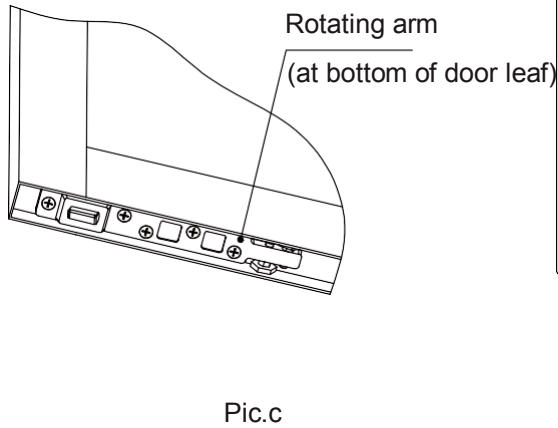
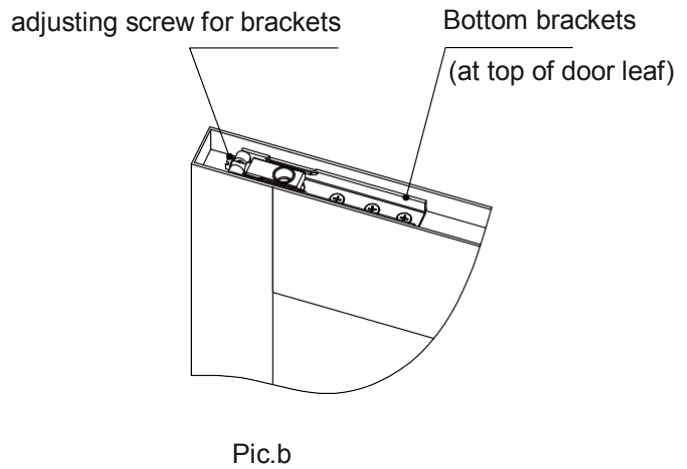
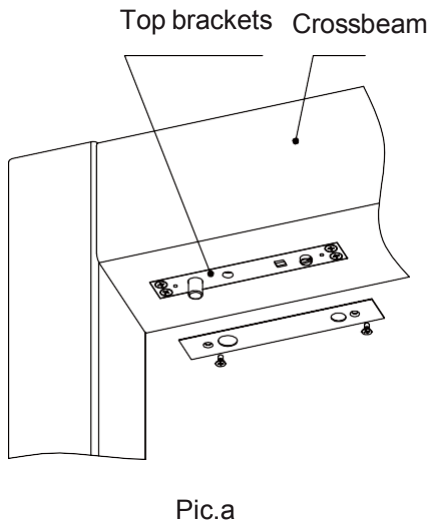
1. Installation diagram





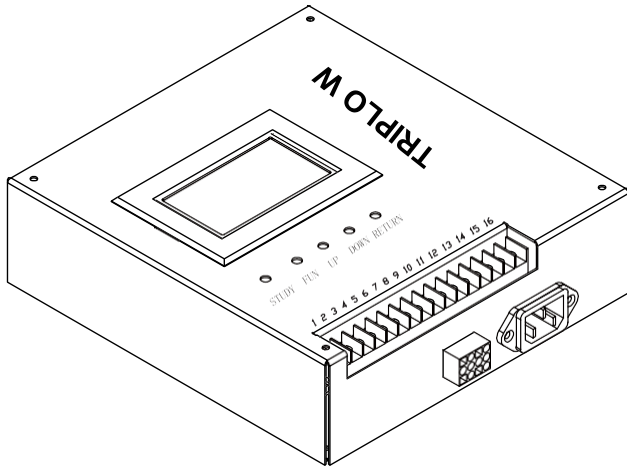
2. Installation steps

1. Determine the installation position, and make the corresponding groove on the ground according to the unit operator dimension, and wire as required.
2. Before the operator is fixed underground, power on to test the cable connections of operator output, controller, EM lock, etc..
3. Install the top brackets (Pic. a) on the crossbeam, and install the bottom brackets (Pic. b) and the rotating arm (Pic c) at the corresponding position of the door leaf.
4. After the operator is positioned, install the door leaf and adjust the relative position of the door leaf with the door frame through the adjusting screws for the operator and the brackets, and fix the operator by way of watering concrete or bracket fastening (Pic. d).



Chapter 3 Electrical Control and Connection

1. Introduction of controller interface



STUDY: Remote Control Transmitter
Code learning

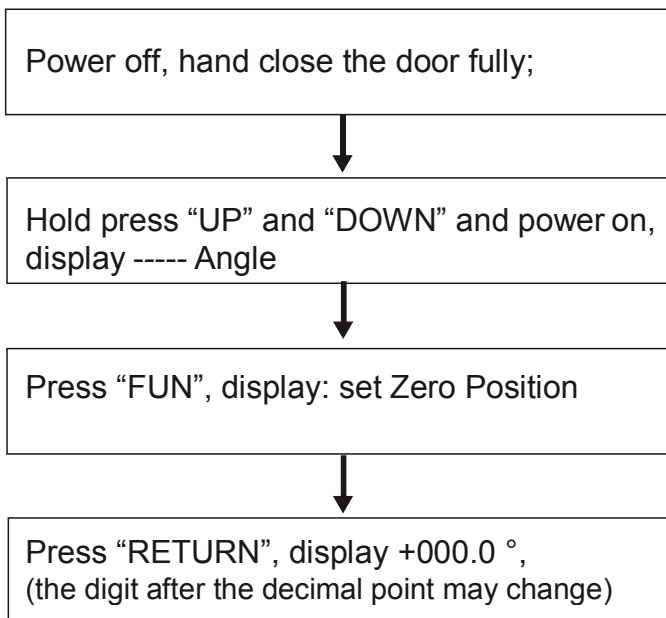
FUN: Function button, press to enter
the menu interface

UP: Increase key

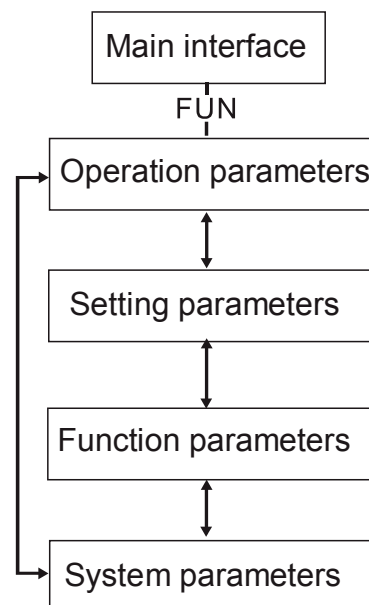
DOWN: Decrease key

RETURN: go back key

2. Set Zero position



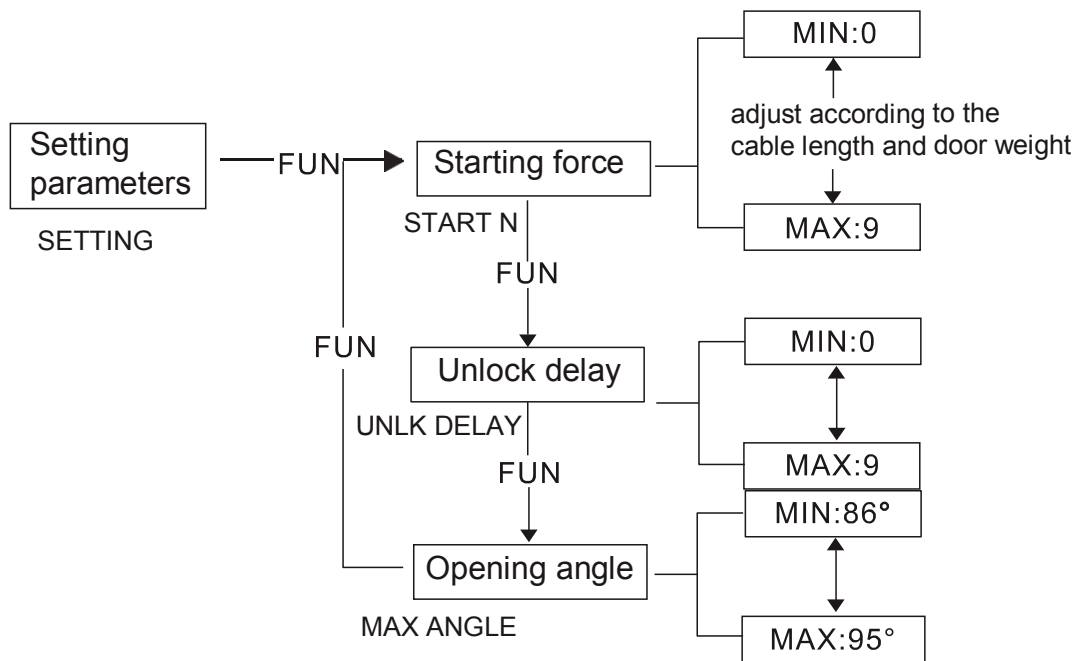
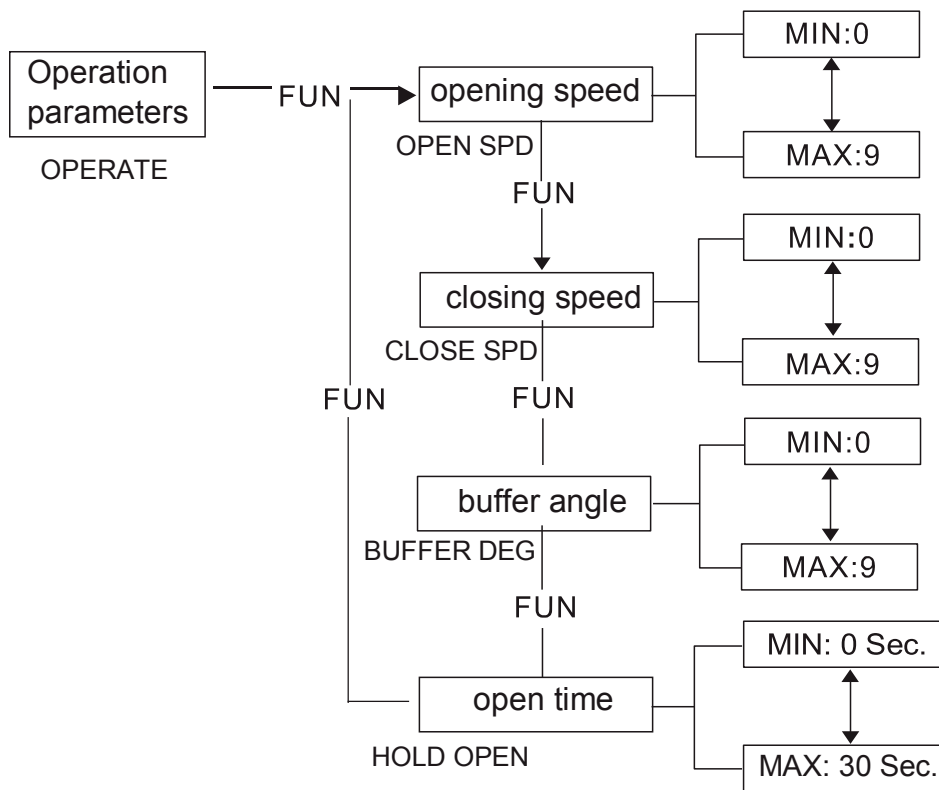
As shown in the diagram below, to press the "FUN" key to switch parameters. If there is no "FUN", press "UP" or "DOWN" to switch parameters.

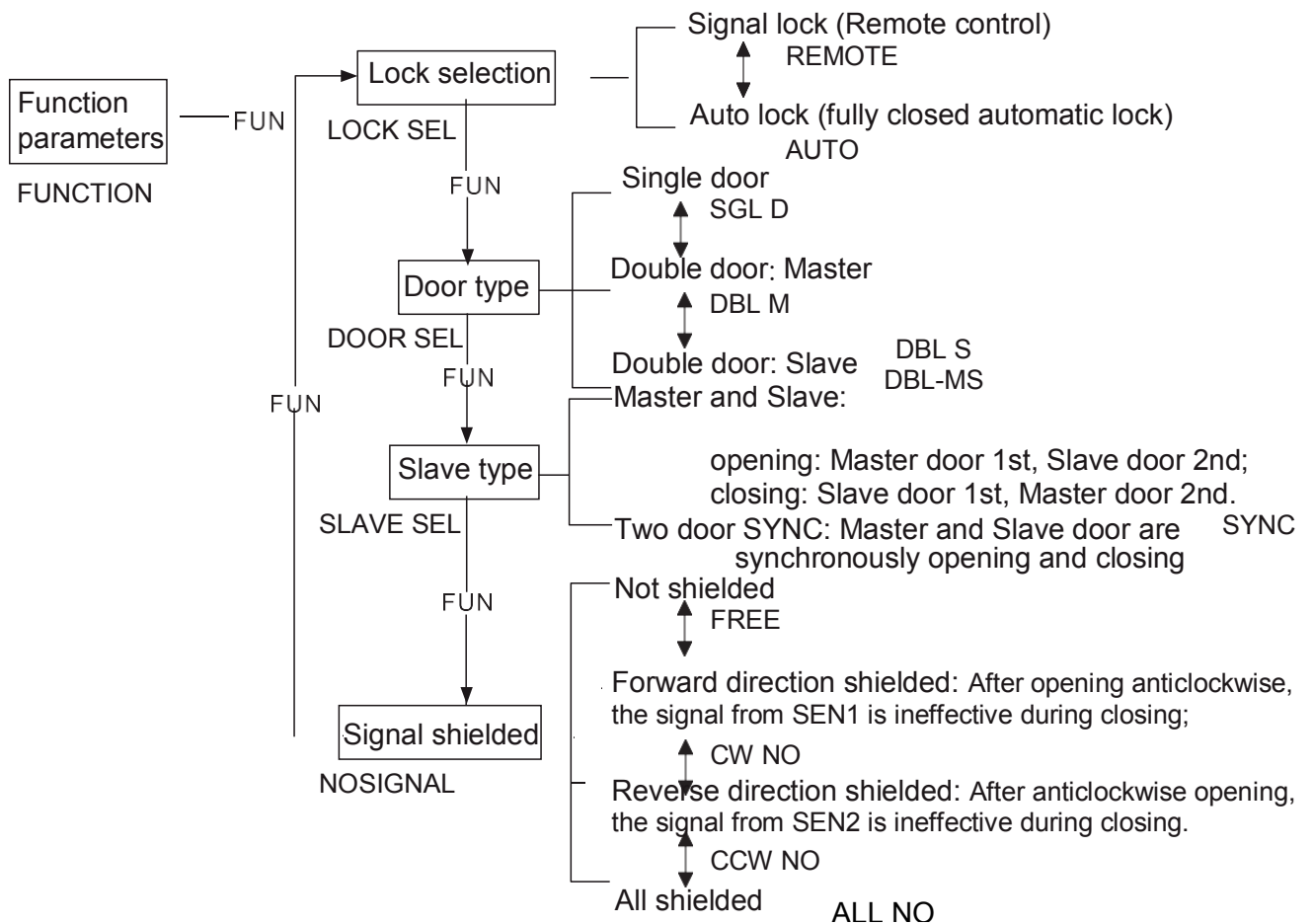
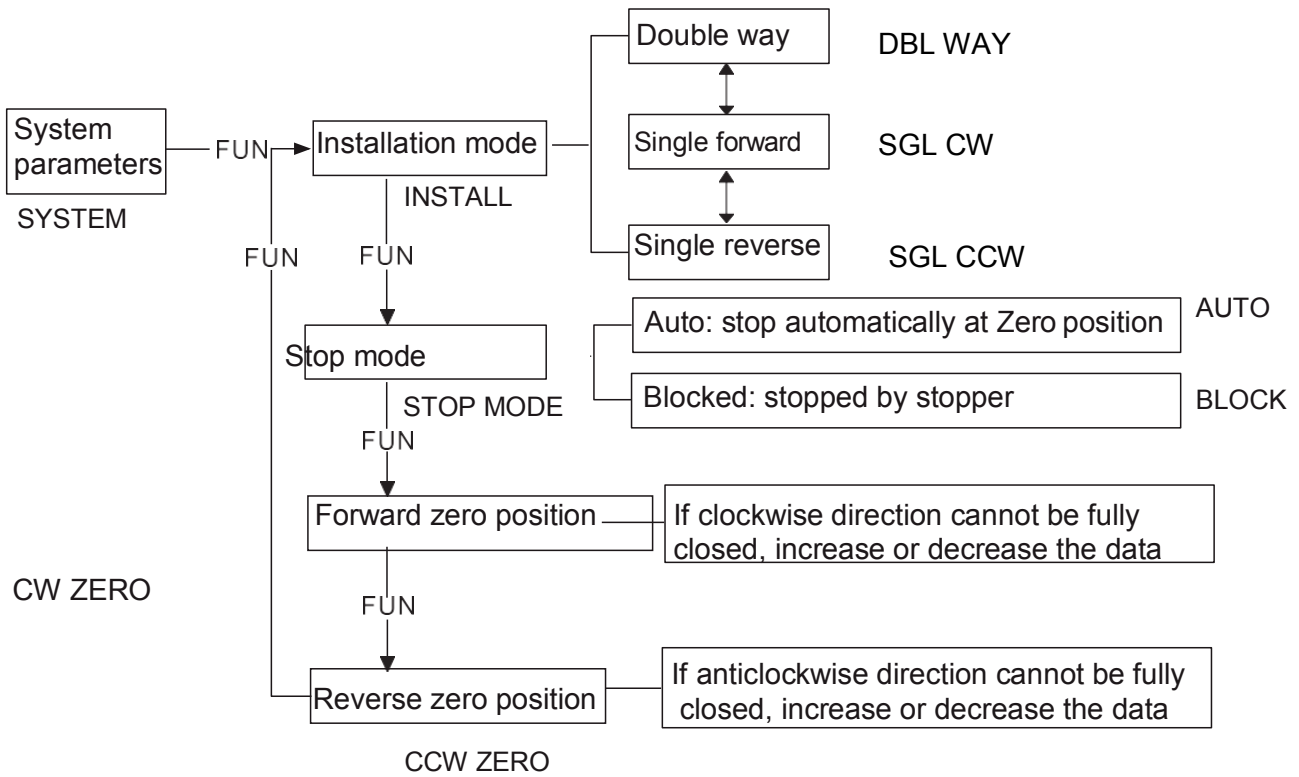


3. Description of the function menu

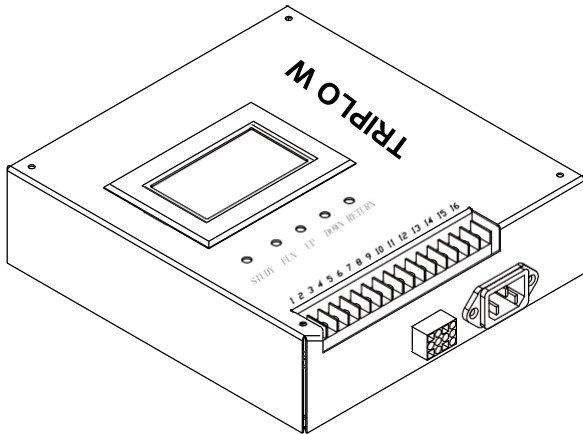
Press the "FUN" key to enter the menu setting interface, and press the "UP" or "DOWN" key to increase or decrease, press the "RETURN" key to go back to the previous menu.







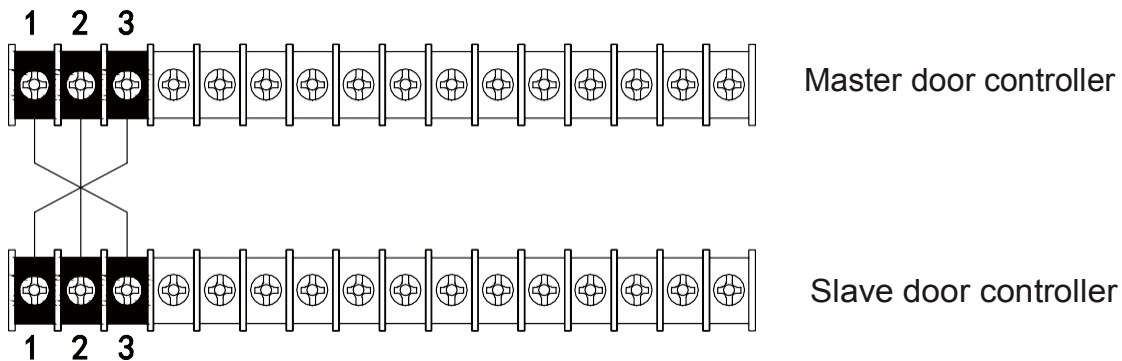
4. Wiring instruction



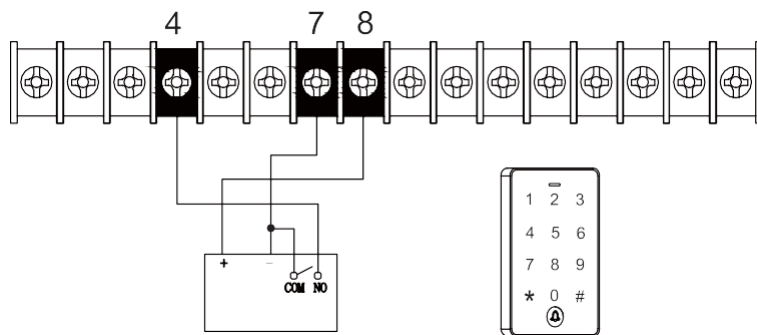
Connection ports

1		RIN : Double door sync input
2		COM : Common port
3		TOUT : Double door sync output
4		MJ : Access control input
5		SF2 : Safety sensor anticlockwise
6		SF1 : Safety sensor clockwise
7		0V : 12V Power supply negative output
8		+12V : 12V Power supply positive output
9		COM : Common port
10		SEN2 : Counterclockwise open signal input
11		SEN1 : Clockwise open signal input
12		0V : 24V Power supply negative output
13		+24V : 24V Power supply positive output
14		LK+ : 12V E-Lock positive output
15		GND : Common port for E-lock and battery
16		BAT+ : 24V Backup battery positive input

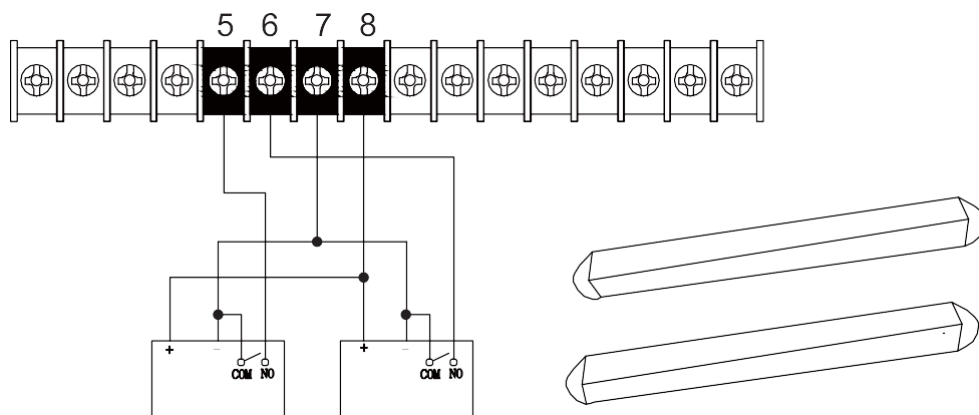
Synchronous connection for double door



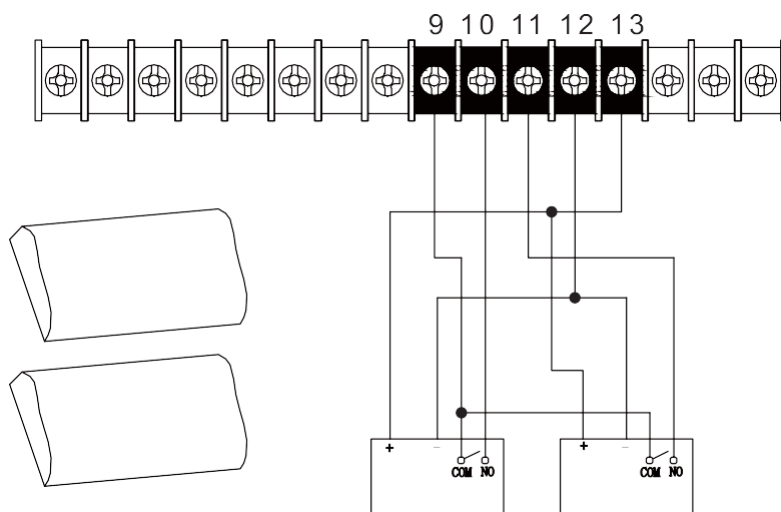
Connection for access control



Connection for safety sensor

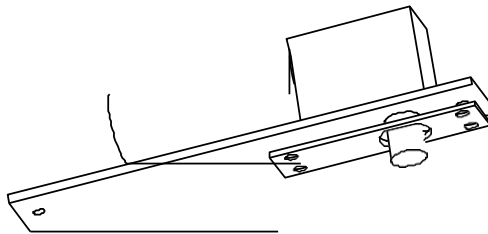
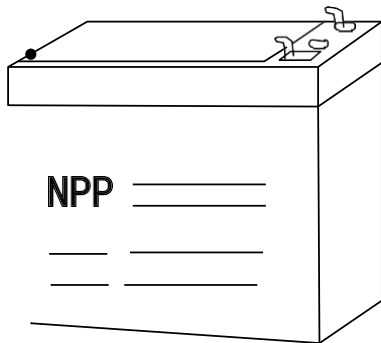
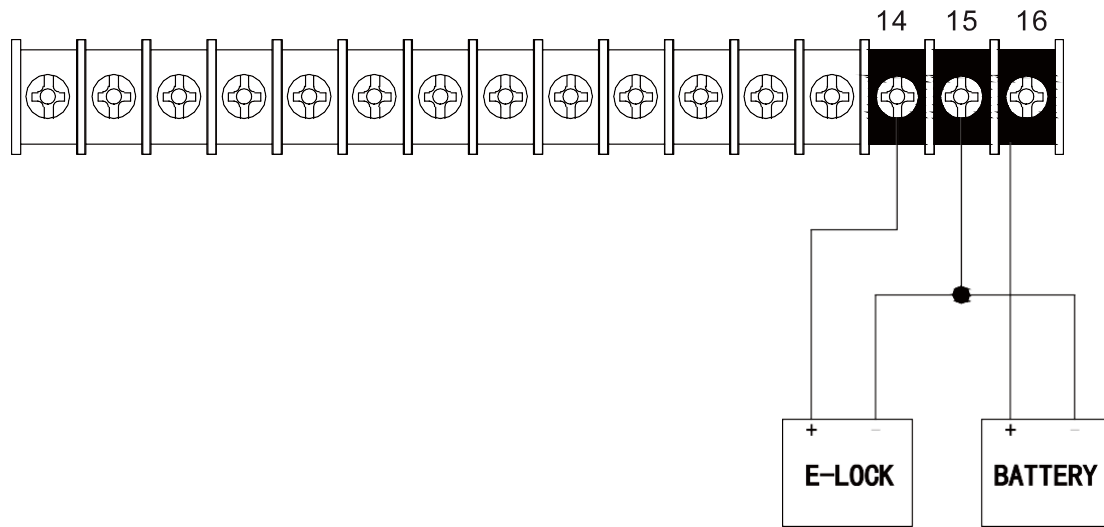


Connection for motion sensor



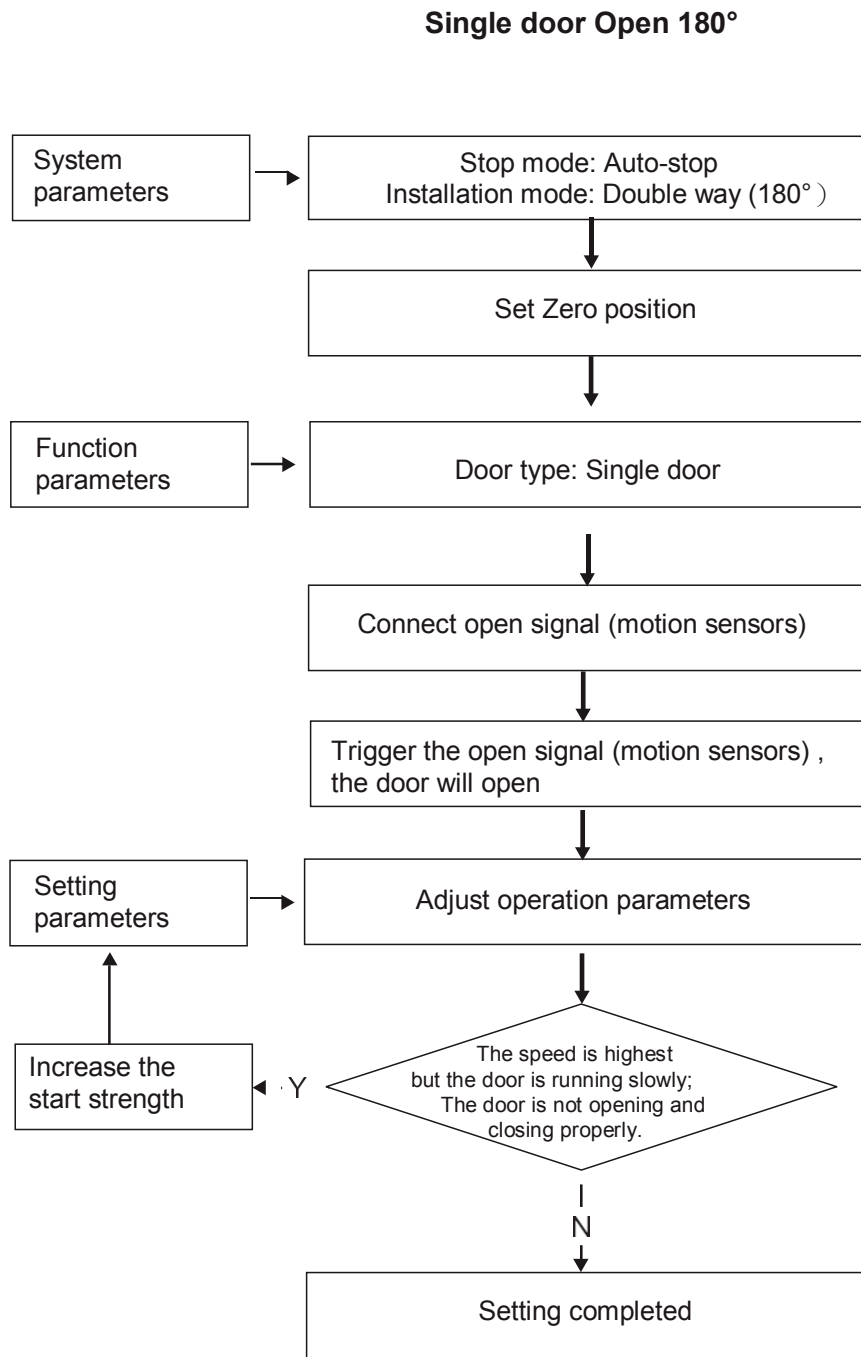


Connection for backup battery and electric lock



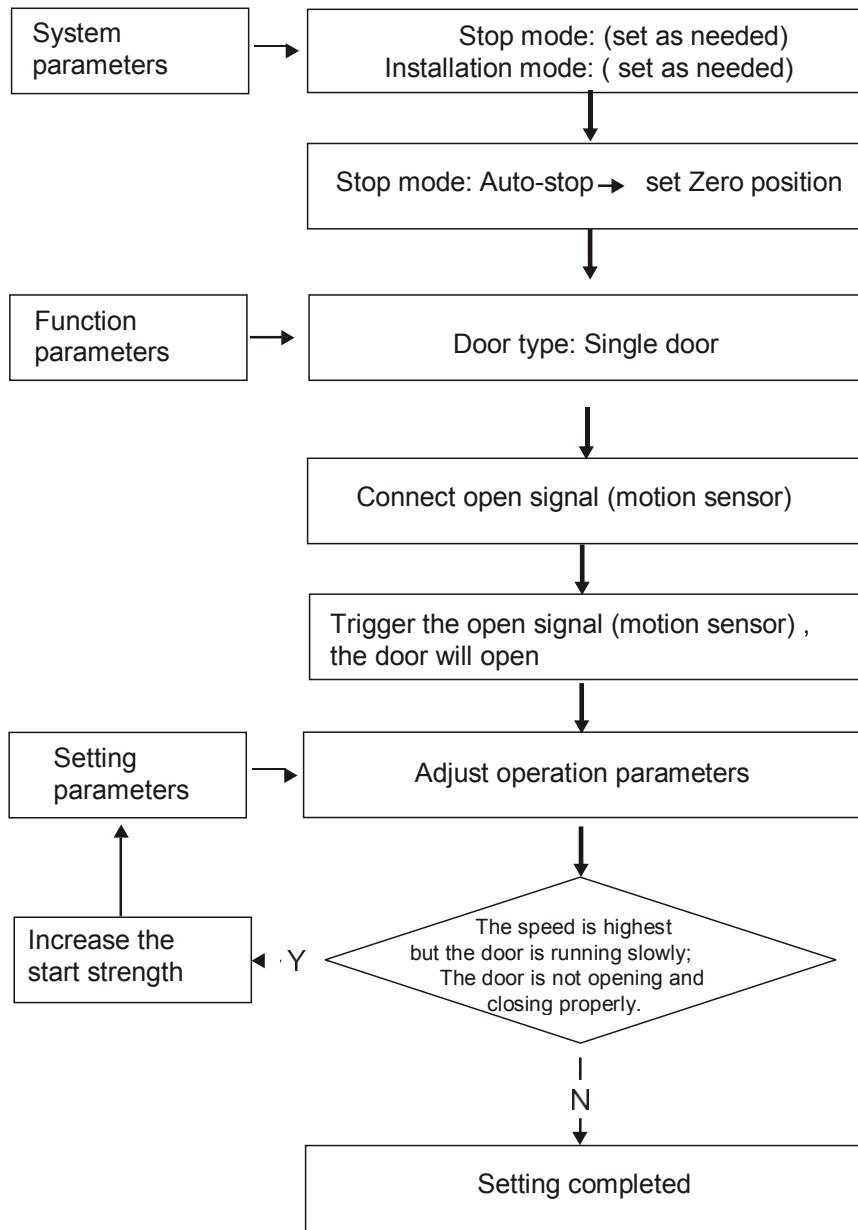
5. Debugging after installation

1. Debugging for Single door





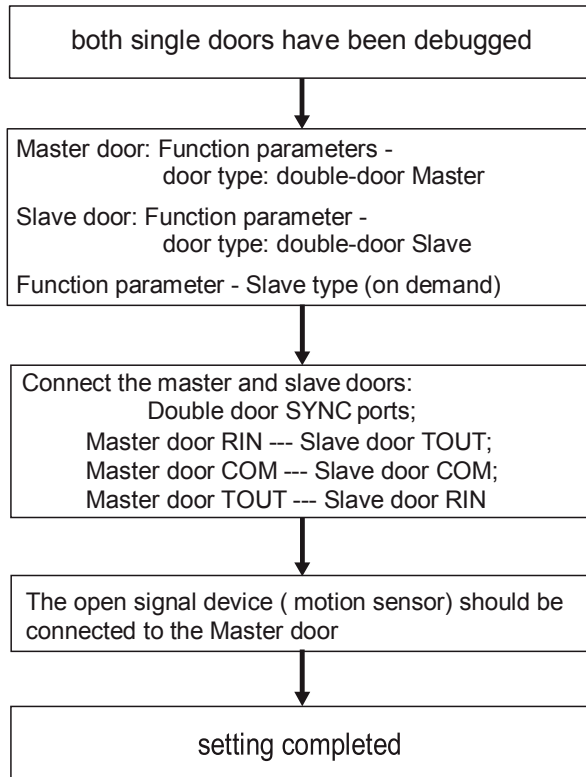
Single door Open 90°



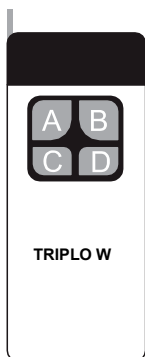


2. Debugging for double door linkage

Debugging for double door linkage



5. Instructions for remote control



STUDY: Press the “STUDY” button, the buzzer will beep, then press any button on the remote control, the buzzer will stop beeping, indicating that the code is successful.

Empty: Press and hold the “STUDY” button until you can't hear the buzzer sound, then release the button.

- A : Press A, the door will clockwise full open and hold open;
- B : Press B, Automatic: Both the sensor signal and access control are effective;
- C : Press C, the door will anticlockwise full open and hold open;
- D : Press D, Lock: the sensor signal is shielded, but the access control works normally.

