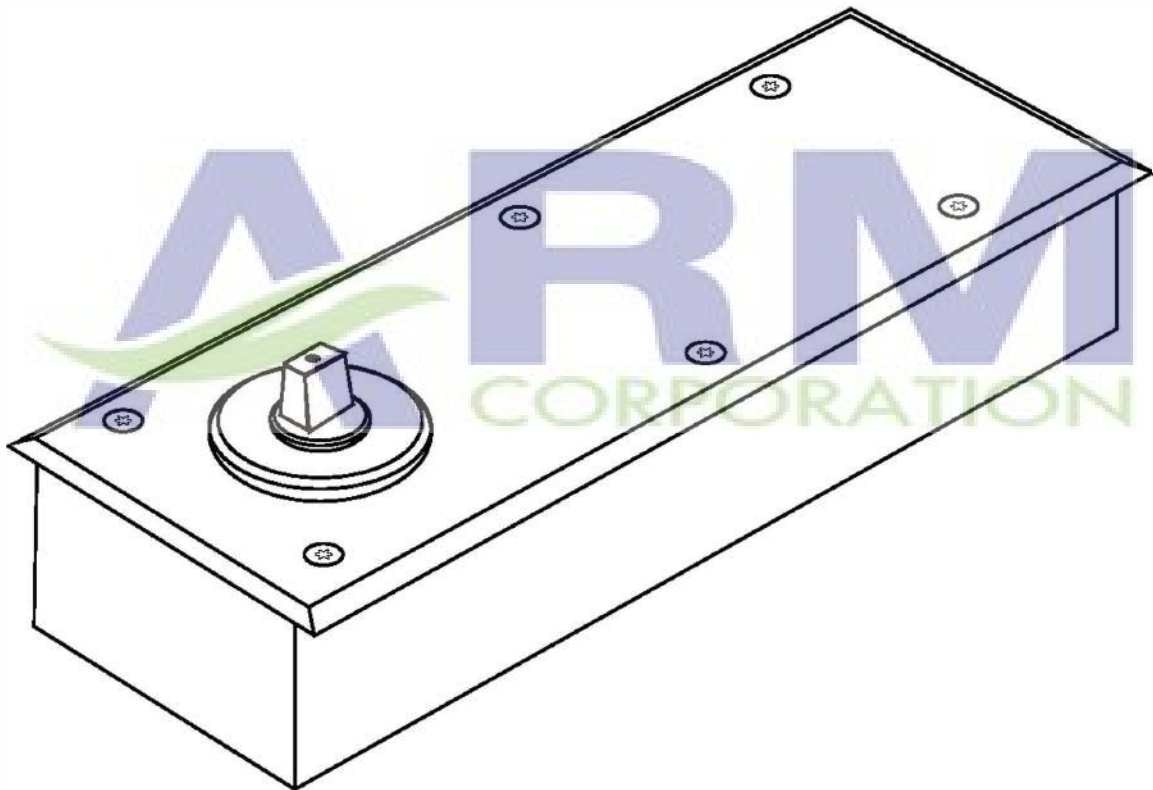


Buried type automatic swing door

# OPERATING SPECIFICATION

## ARM 180



### AUTOMATIC FLOOR HINGE

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The company has passed ISO9001:2015 Quality Management System Certification



# Contents

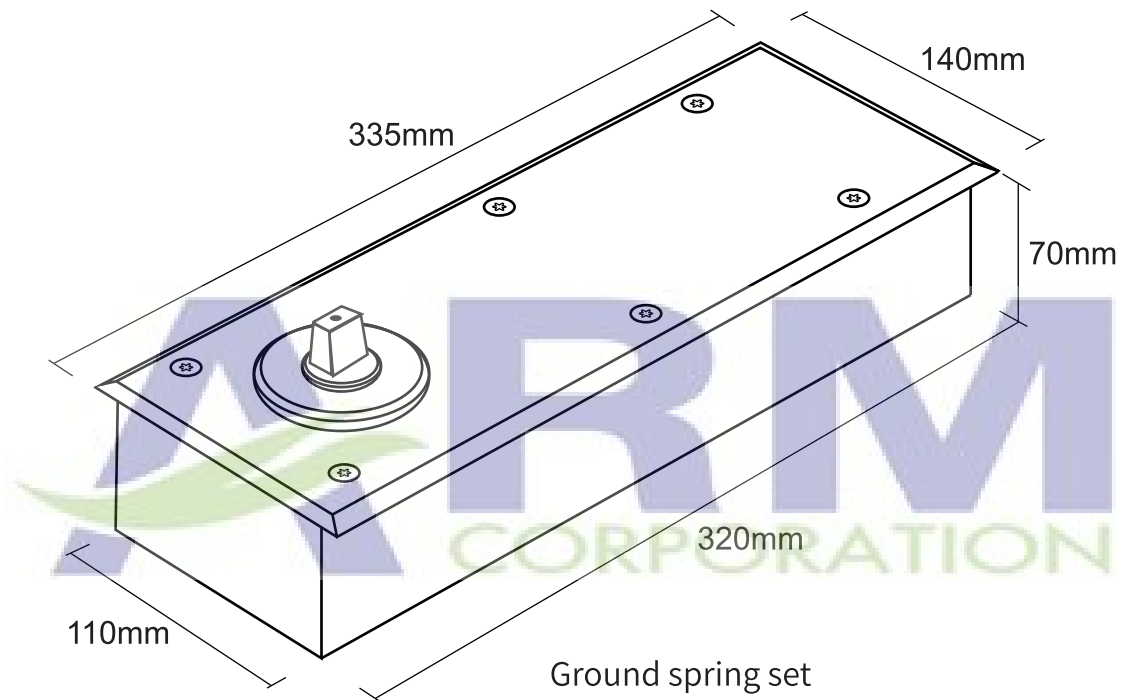
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## 01. Operating instruction and safety notices

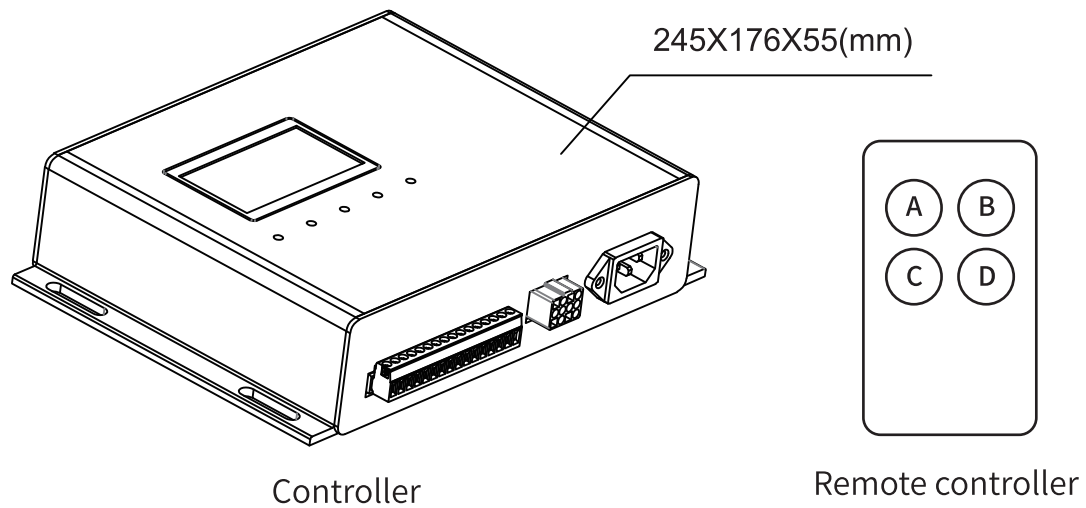
- Please read the installation debugging instruction carefully before use this product and follow the related safety standards.
- Need confirm the set and controller no damage appearance before installation.
- This product should connect the reliable grounding wire and constructed by the professional electric engineering staffs.
- The power supply should be cut off status before wiring, otherwise, it's dangerous at electric shock!
- Confirm whether voltage and frequency are in accordance with the equipment requirements before connect power supply, check whether wiring terminal are firm, whether wiring electric circuit and position are correct.
- The controller elements can't be touched by hands after connected power, otherwise, it's dangerous at electric shock, should cut off the power supply first when installing and maintaining, wear the gloves well then process operation.
- The manufacturer will not duty for any liabilities for the result which caused by incorrect installation, operation and non-safety use environment.

## 02.Product instruction

The set utilize the set output shaft drive the rotating arm to realize the automatic running of door body, can applied indoor or outdoor at the same time.



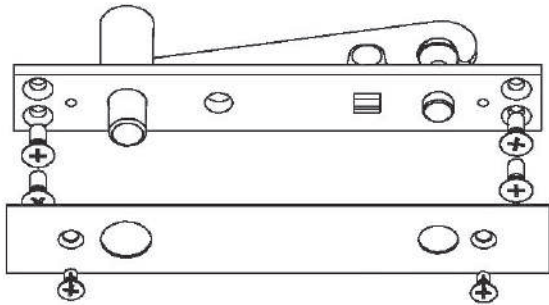
Ground spring set



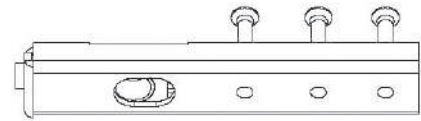
Controller

Remote controller

Installation fittings



Up fitting of support



Down fitting of support



Rotating arm rod

Spanner



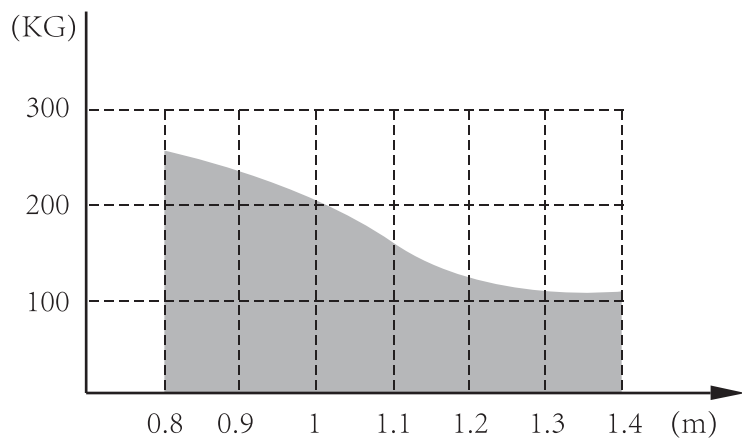
Flow type inner hexagon spanner



Straight screw driver

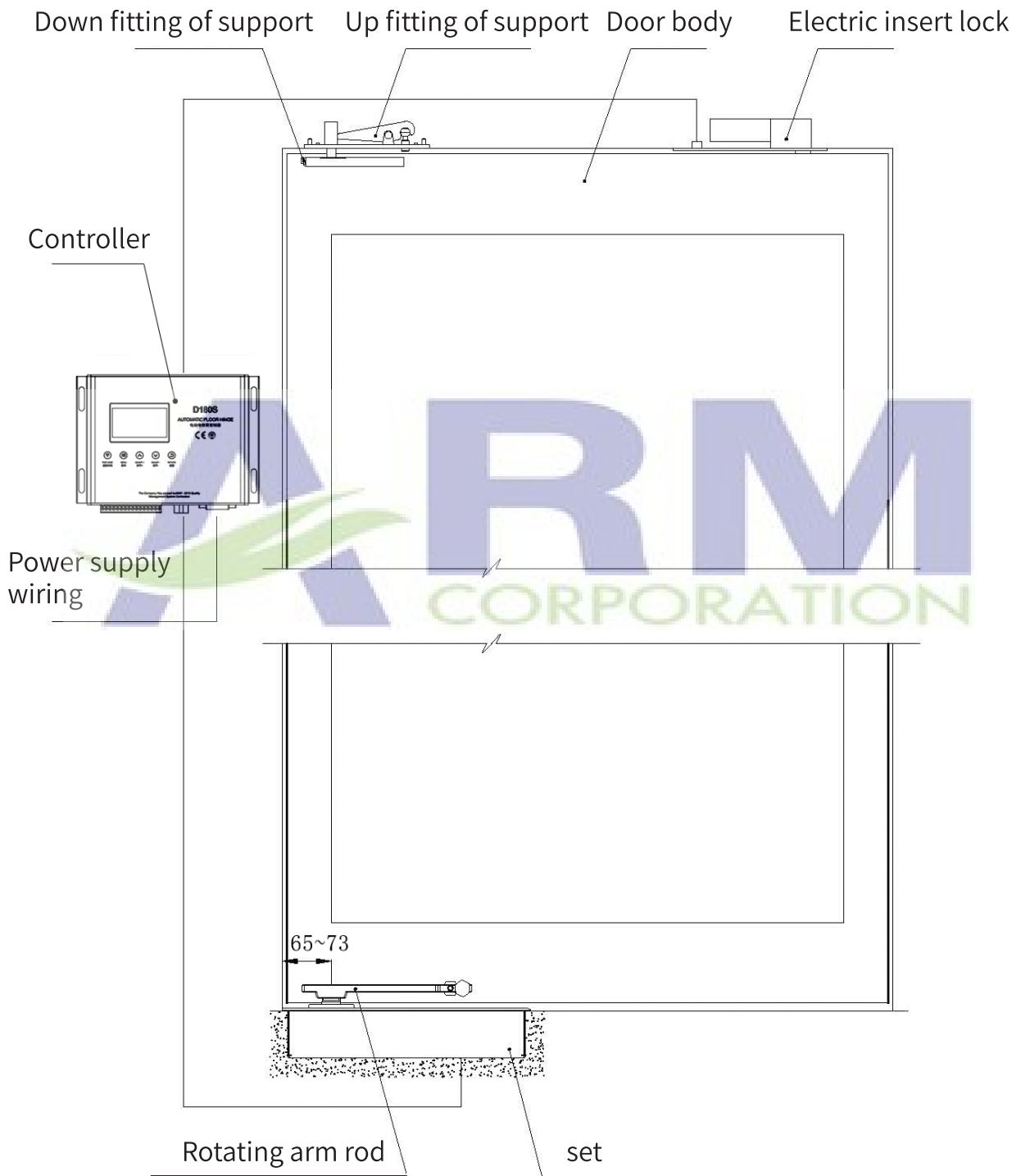
### 03. Technical parameters

Door weight (KG)  
 Door width (m)  
 Suitable atmosphere



The max door weight	180kg
The max door width	1200mm
The max torque	165Nm
Set weight	10.5kg
Installation method	Ground buried
Noise	<60dB
Electric lock output	DC12V normally open/normally close contactor
Open-close time	6-12S
Start range	86°-95°
Power supply	AC220V±10% 50.60Hz
Rated power	55w
Standby time	<2W
Working temperature	-20°C to 55°C
Protection grade	IP68 (Only limit at motor)
Set size	320×110×70(mm)
Control cabinet size	245×176×55(mm)

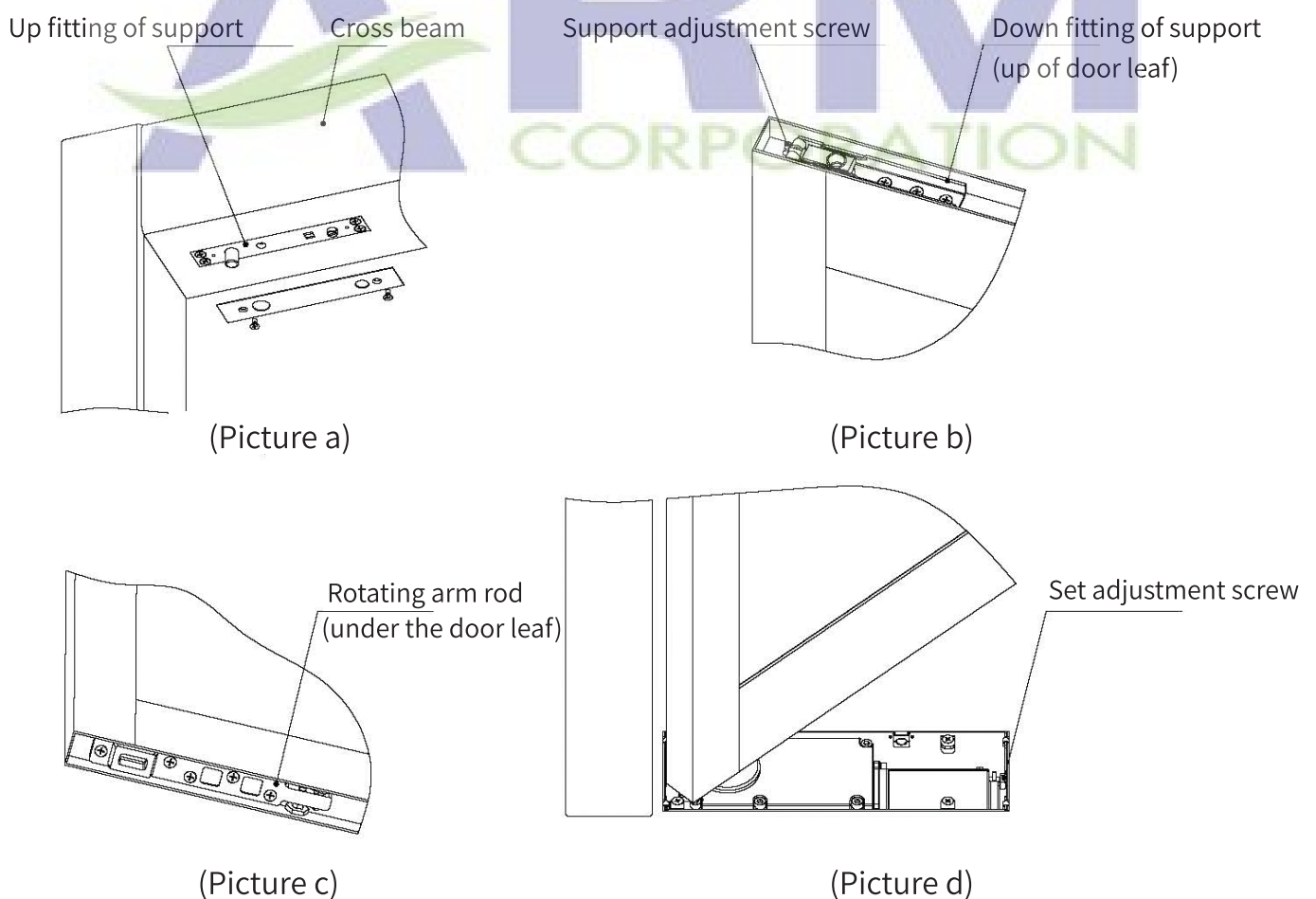
# 04. Automatic door installation diagram



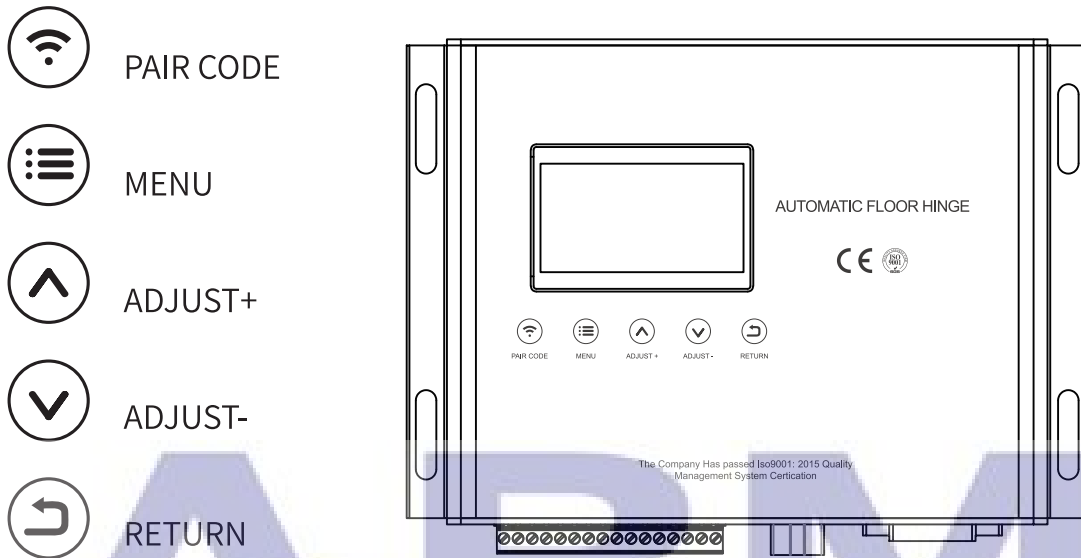


## 05. Installation process

1. Confirmed the installation position well, produce the corresponding side slot on the ground according to set size, wire lay out according to requirements.
2. Connect the set output wire, controller and electric insert lock to do power on test before fix the set.
3. Install the up fitting of support (Picture a) on the cross beam, install the down fitting of support (Picture b) and rotating arm rod (Picture c) on the corresponding position of door leaf.
4. Install the door leaf after set fix position, adjust the opposite position between door leaf and door frame well through the adjustment screw of set and support, fix the set well through casting the concrete or tighten support (Picture d)



## 06.Controller interface introduce



## 07.Null position setting

Power off, manually push the door to close door position



Press the adjustment+ and adjustment- at the same time, interface display--angle




Press down the menu key, the interface display setting null position



Press down the return key, the interface display+000.0°  
(The value after decimal maybe will have a little micro change)

# 08.Function menu instruction

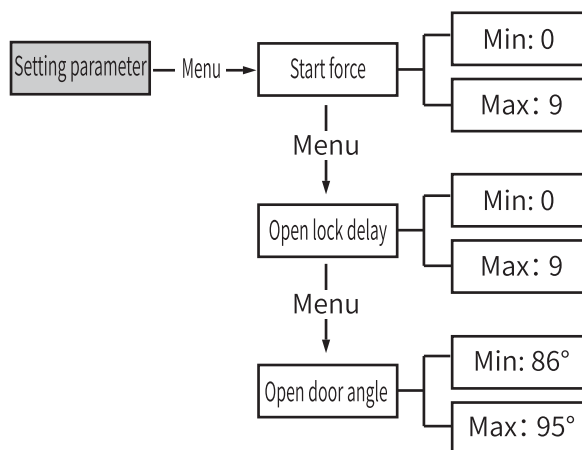
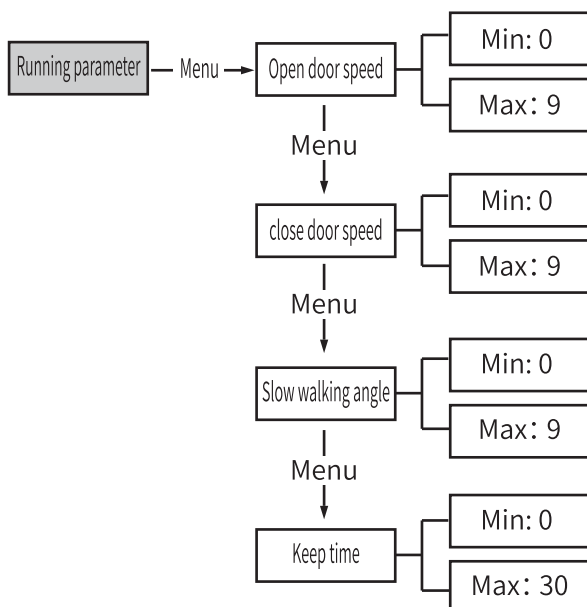
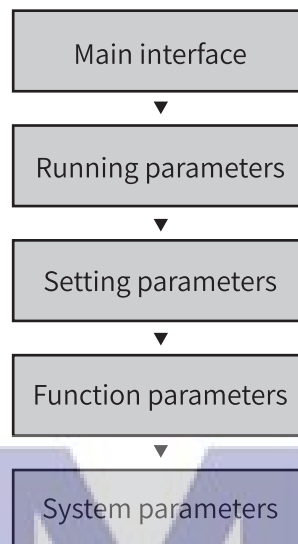
Press down  menu key and enter into menu

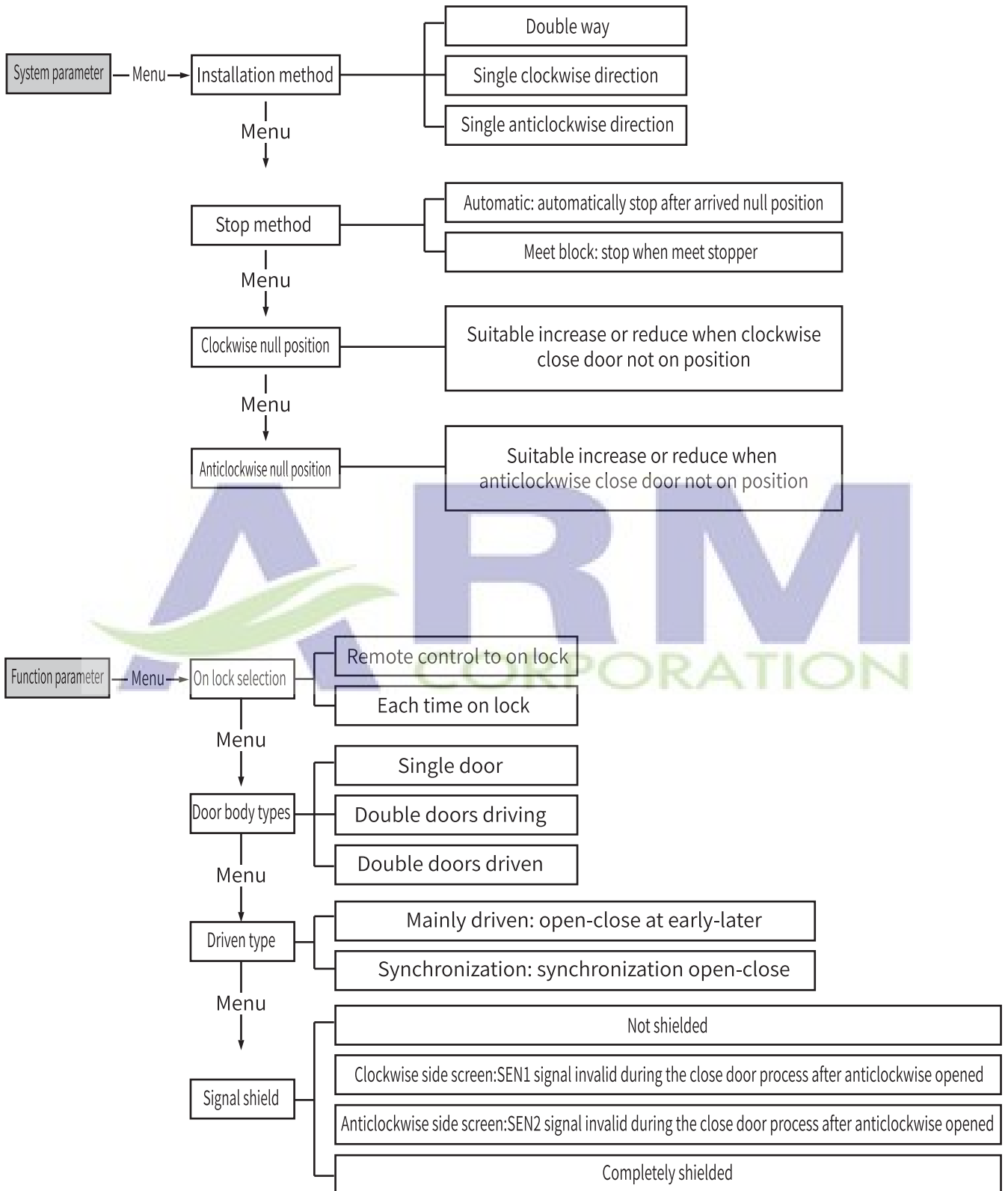
setting interface,

Press  adjustment + key or  adjustment - key

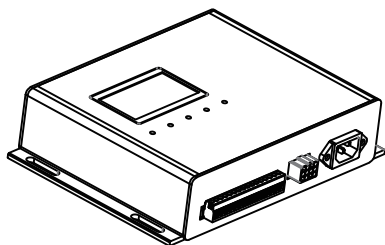
increase or reduce,

Press  return key return to last level



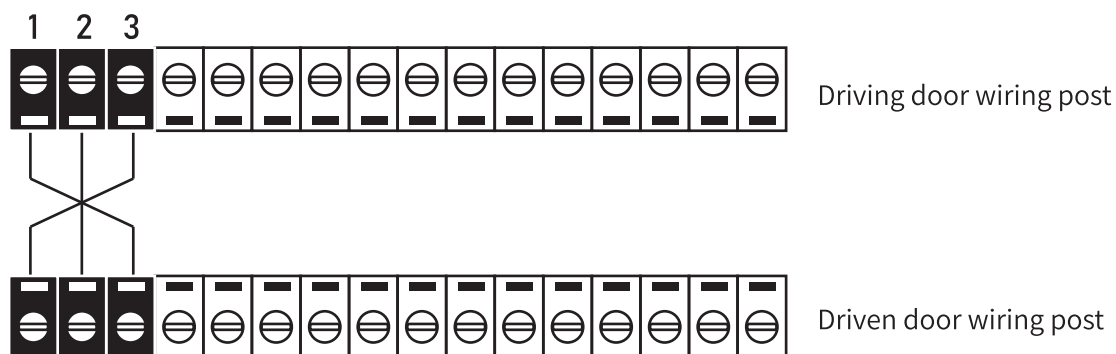


# 09.Wiring instruction

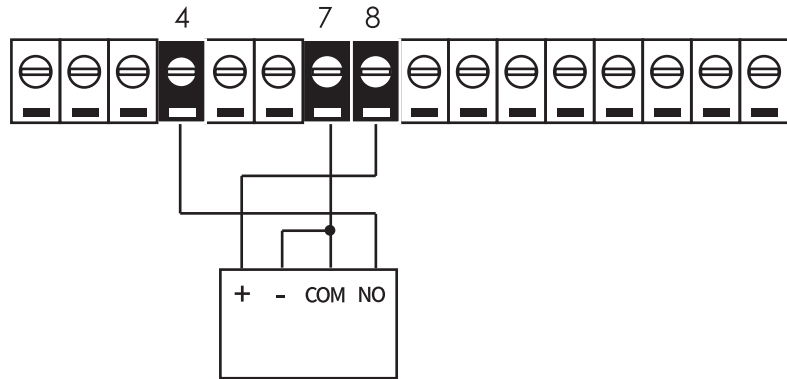
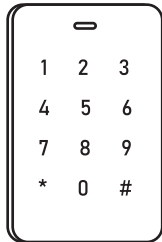


1		RIN: double doors synchronization input terminal
2		COM: public terminal
3		TOUT: double doors synchronization output terminal
4		MJ: entrance guard signal input terminal
5		SF2: anticlockwise close door safety light curtain
6		SF1: clockwise close door safety light curtain
7		OV: 12V power supply negative pole output terminal
8		+12V: 12V power supply positive pole output terminal
9		COM public terminal
10		SEN2: anticlockwise open door signal input terminal
11		SEN1: clockwise open door signal input terminal
12		OV: 24V power supply negative pole output terminal
13		+24V: 24V power supply positive pole output terminal
14		LK+: 12V power supply positive pole output terminal
15		GND: negative pole public terminal of electric lock and spare battery
16		BAT+: 24V spare battery positive pole input terminal

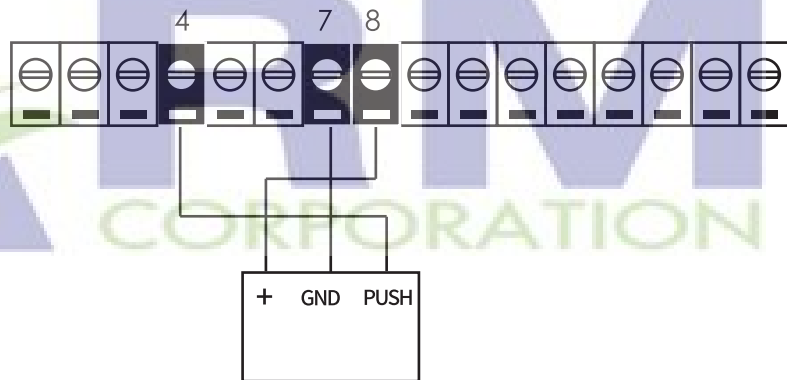
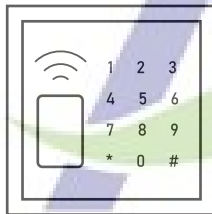
## Double doors synchronize connection



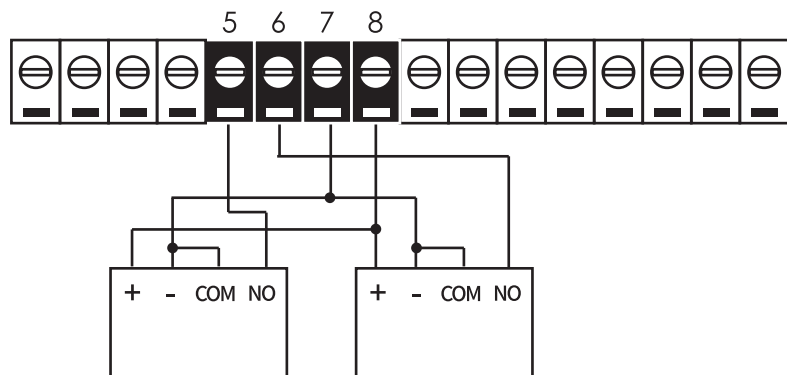
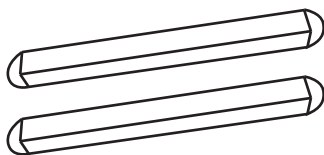
Connect with entrance guard (four wires)



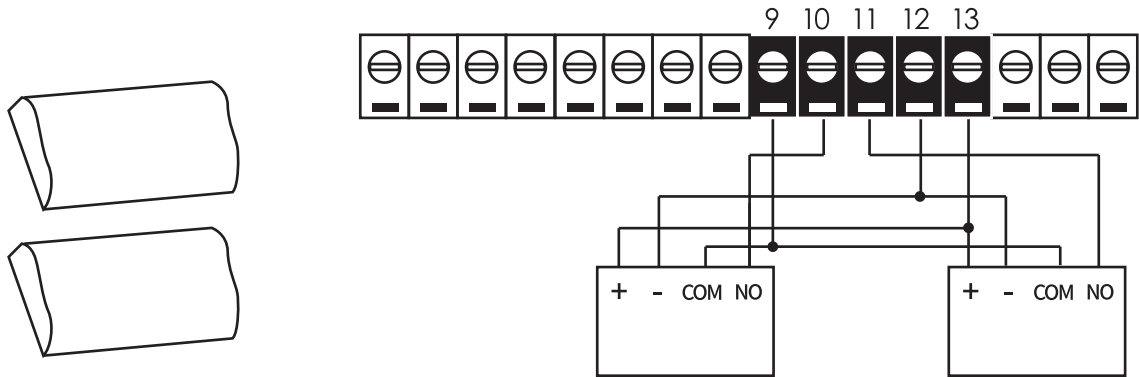
Connect with entrance guard (three wires)



Connect with safety light curtain

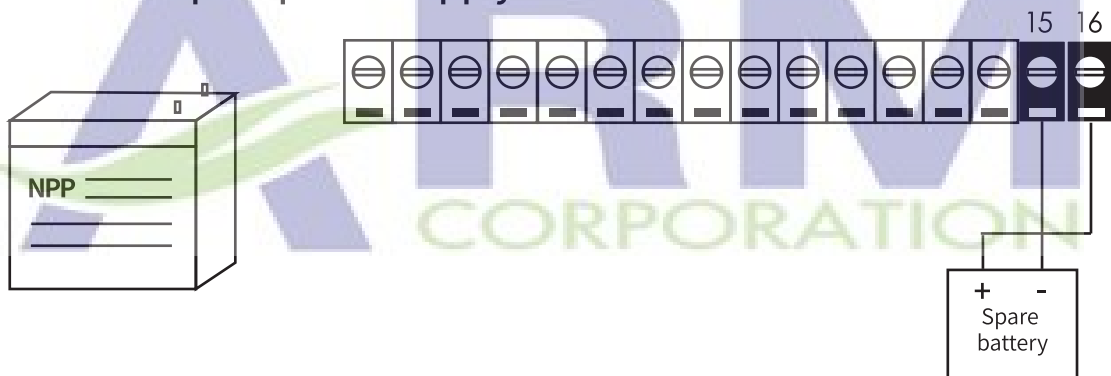


Connect to sensor

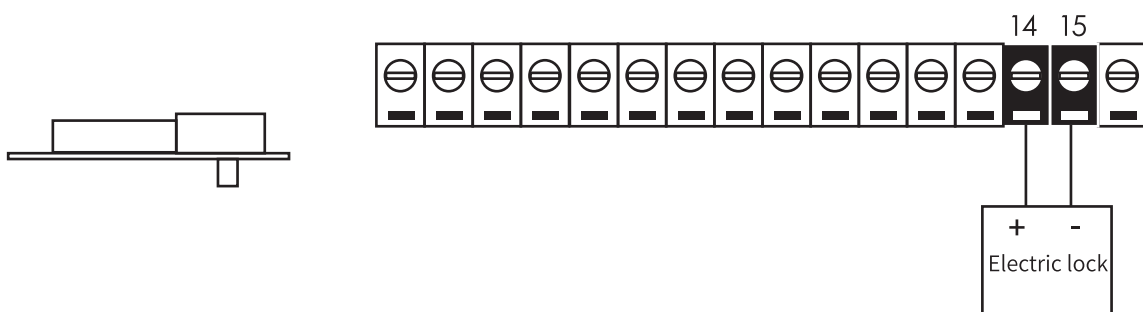


Confirm the interior and exterior open door direction of inductor install direction same to the inductor direction, change the 10 and 11

Connect to spare power supply

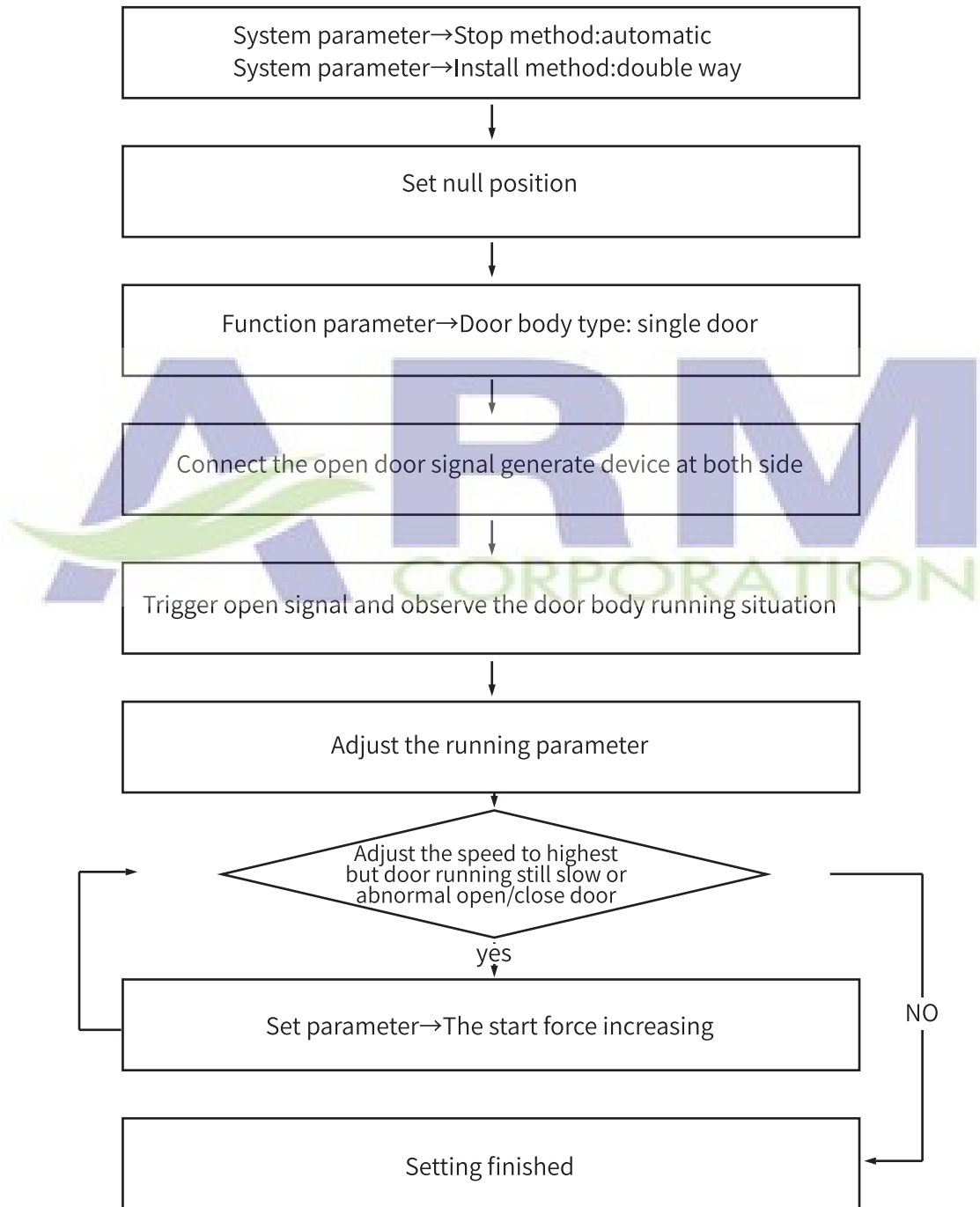


Connect to electric lock



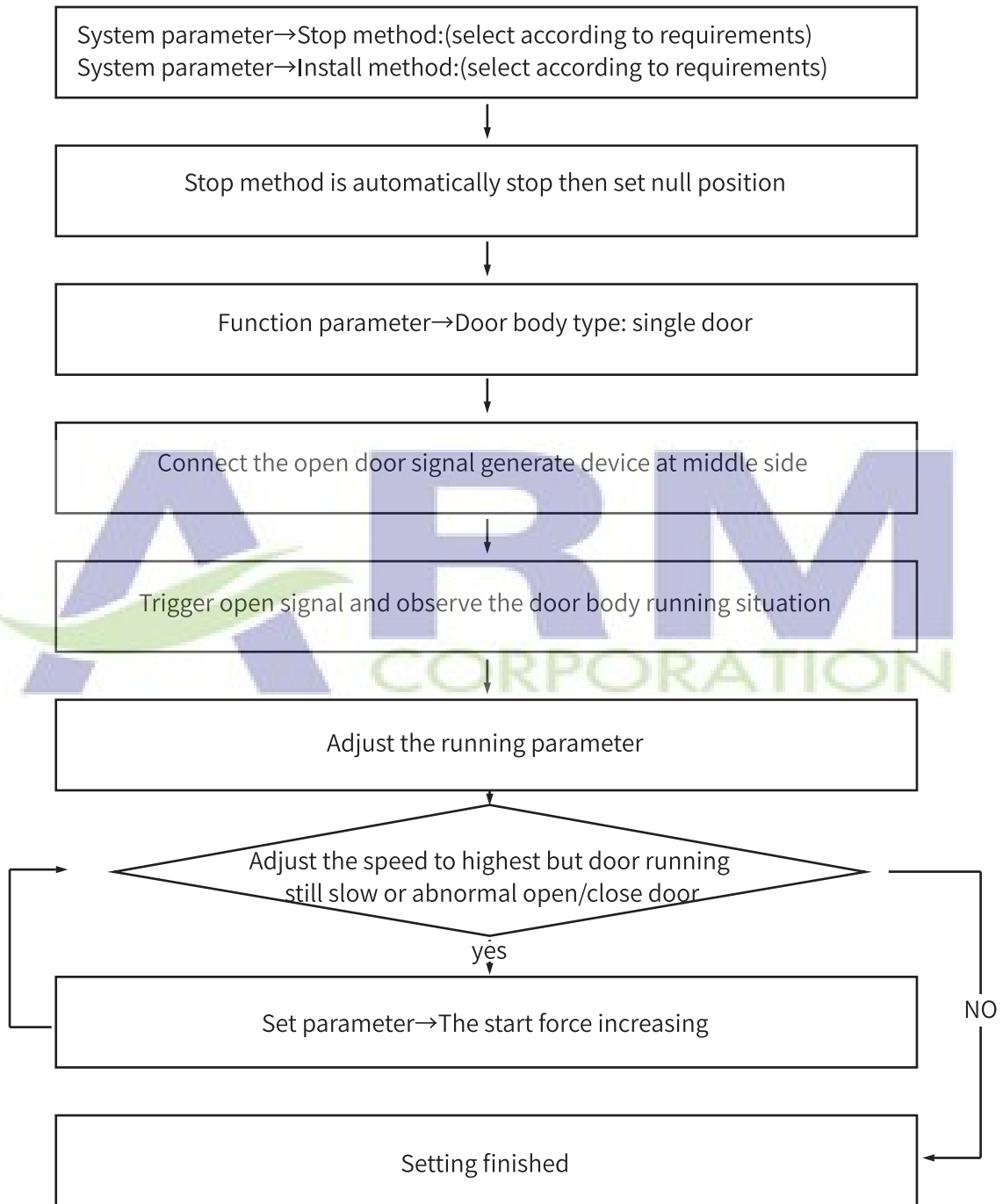
# 10.Installation debugging

## Single door debugging(door body double way open

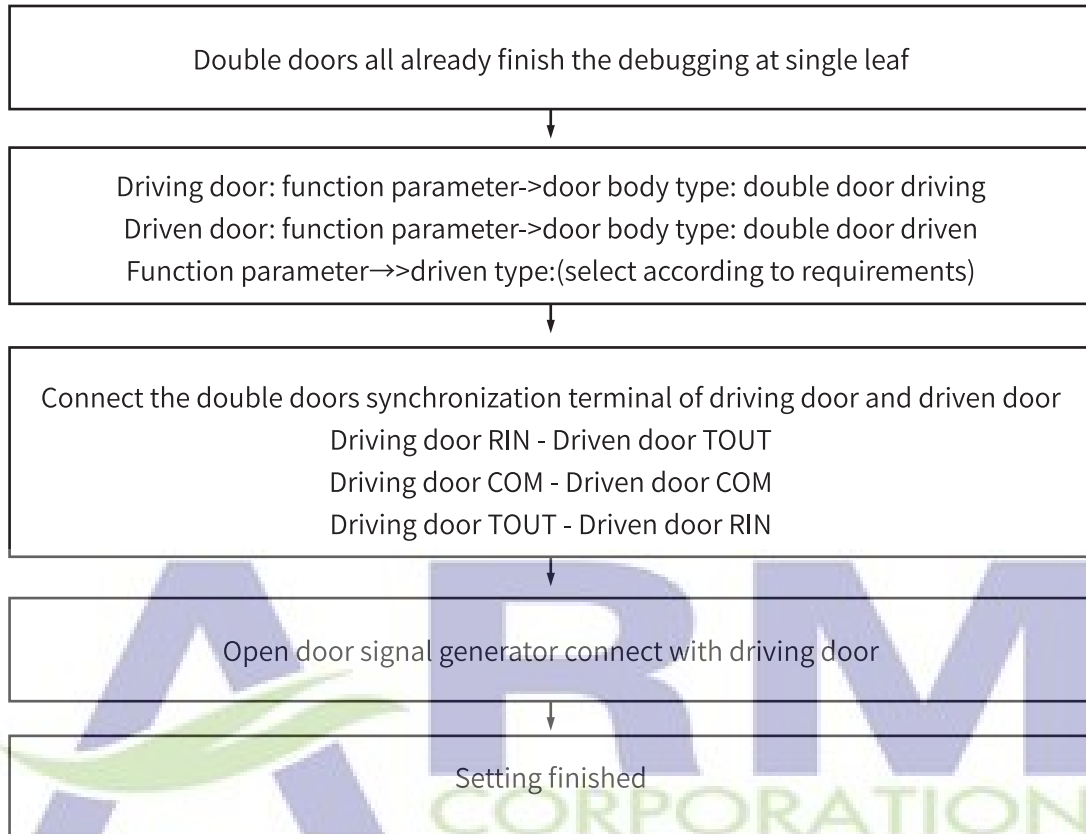




### Single door debugging(door body single way open)

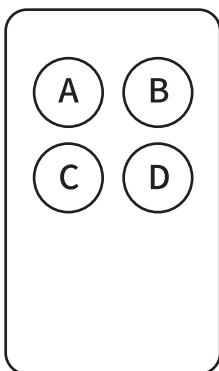


## Double doors link debugging



## 11.Remote control instruction

### Remote controller and controller pair instruction:



1. Reset: long time press the pair button above 12s, loosen the button after heard continue 6 DI-DI sound, clear all remote control
  2. Pair: press the pair button of controller 2s, loosen it after buzzer sounding. Now press down any key on the remote controller, buzzer sounding 3 times then mean pair successfully. The buzzer will sounding when use remote controller.
  3. Note: buzzer no sound when use remote controller, this means remote controller and controller fail to pair, please repeat term 2.
- Note: all wiring must be processed under that power supply cut off

- A Anticlockwise (normally open)   
 B Clockwise (normally close)
- C Lock door   
 D Normal





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