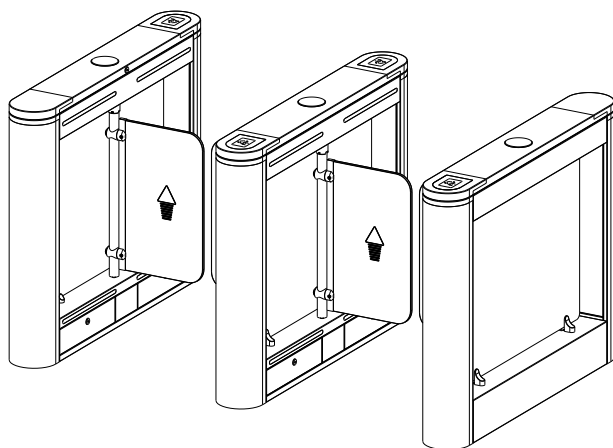


# SWING GATE FLAP BARRIER



## INSTALLATION MANUAL & USER GUIDE

Please read carefully before installing and use  
Model: BZ08

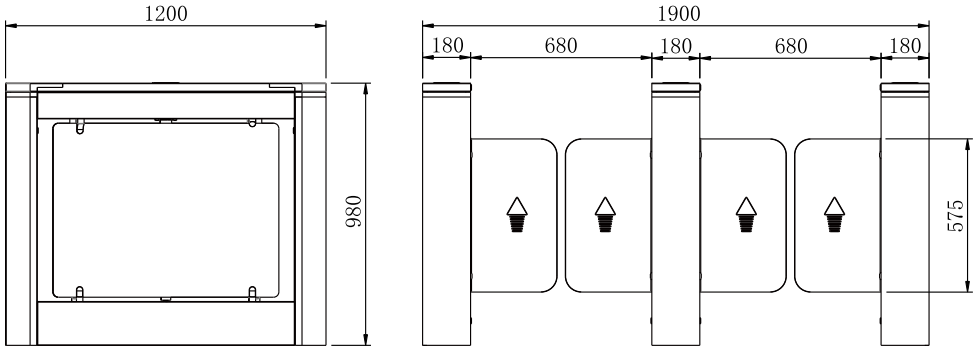


## WARNING TO THE INSTALLER GENERAL SAFETY OBLIGATIONS

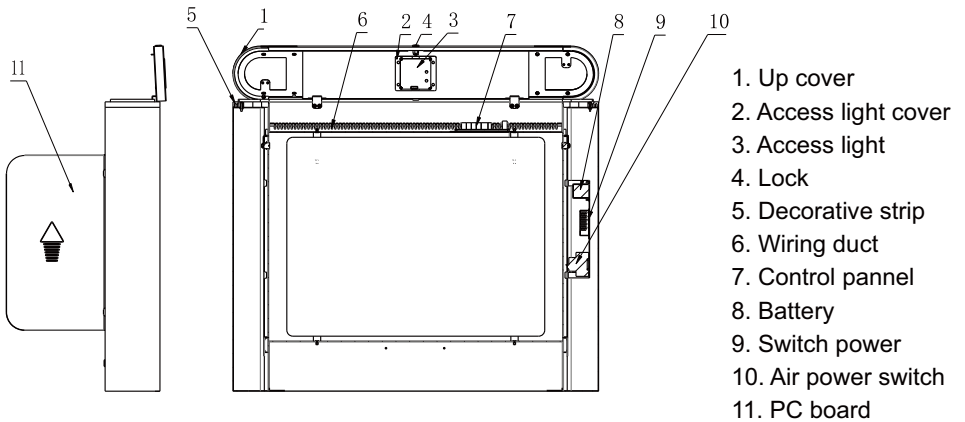
- 1) CAUTION! For personal safety it is important to follow all the instructions carefully. Incorrect installation or misuse of the product may cause serious injury to people .
- 2) Keep the instructions in a safe place for future reference.
- 3) This product was designed and manufactured strictly for the use indicated in this document. Any other usage not expressly indicated in this Document, may damage the product and/or be a source of danger.
- 4) BS accepts no responsibility due to improper use of the automatic machine ( swing gate) or use other than that intended.
- 5) Before carrying out any work on the system, turn off the Power supply.
- 6) The safety devices(e.g.photocells,sensitive edges, etc...) may be used to prevent any potential risk in dangerous areas where the moving mechanism is located, such as crushing, dragging, or shearing.
- 7) Do not make any alterations to the component of the automatic machine ( Swing gate and Accessory).
- 8) The installer must supply full information regarding operation manual of the system in the event of any emergency and provide the system user with the "INSTRUCTION" included with the product.
- 9) Do not allow children or other people to stand near any moving door while operating.
- 10) Keep transmitters away from children to prevent the machine from being activated accidentally.
- 11)The user must refrain from attempting to repair or adjust the system personally and should only contact professional person .
- 12) Anything other than expressly provided for in these instructions is not permitted.
- 13) Connect the swing gate to a properly earthed general purpose 230V mains power outlet installed by a qualified electrician.

# 1. Measure and main components

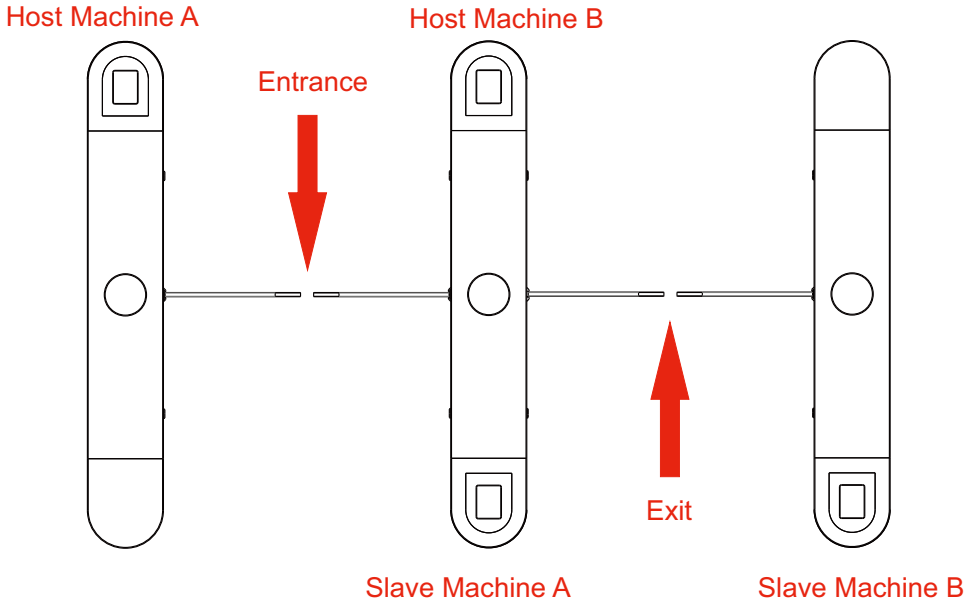
## A. Measure (unit:mm)



## B. Main components



## C. Host machine and slave machine



## 2. Features

- a. Quietly working, fast speed
- b. Auto inspecting after power on.
- c. Access mode: Control type; Free type; No pass type optional, open/close direction can be exchanged.
- d. The gate can be forcibly pushed to open when crowd.
- e. Sound and light alarm function: illegal enter; reverse intrude; tailer.
- f. Photocell safety function
- g. Control board contains various ports for access control system: fingerprinting identification, face identification, QR code, IC/ID card, etc.
- h. If power failure, the gate will stay the position, can be pushed freely by manual.
- i. Counter inside records the access time.

### 3. Specification

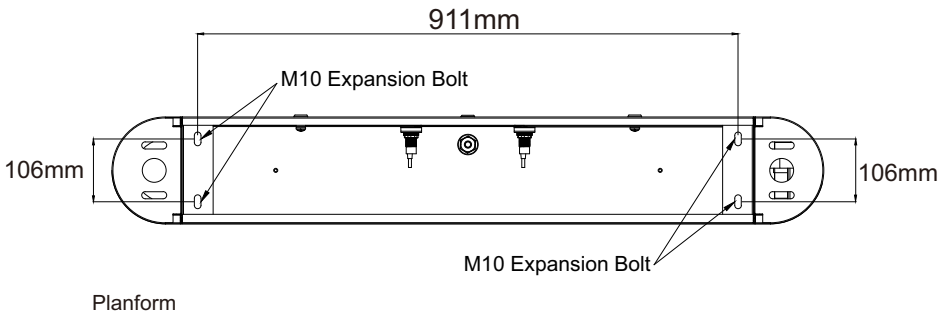
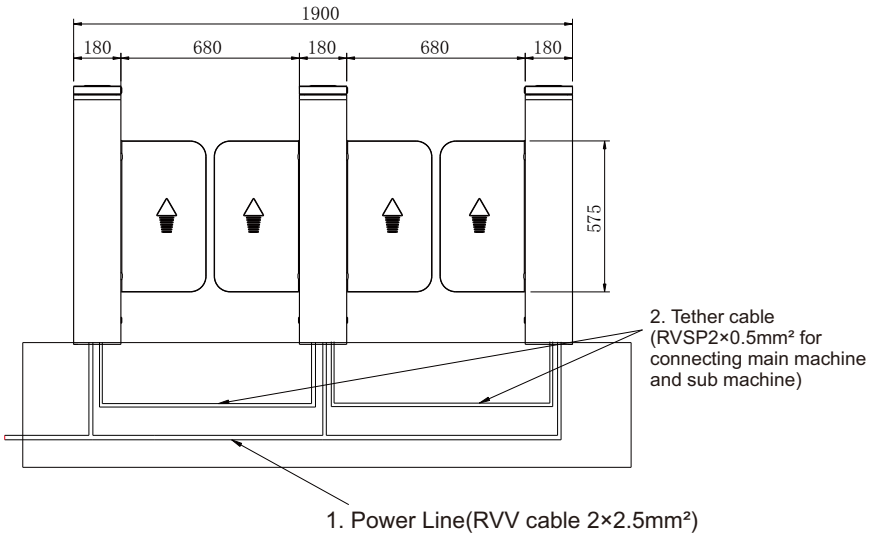
Item	Data
Size ( Length×height×width)	1200×980×180mm
Material of housing	Stainless Steel 304
Open signal	Passive signal(Relay dry contact)
Working temperature	-20°C~60°C
Pass width	300~760mm
Open time	0.3~1S(adjustable)
Working sound	≤65dB
Pass speed	25~35pm
Pass port	Rs485

### 4. Operating Instruction

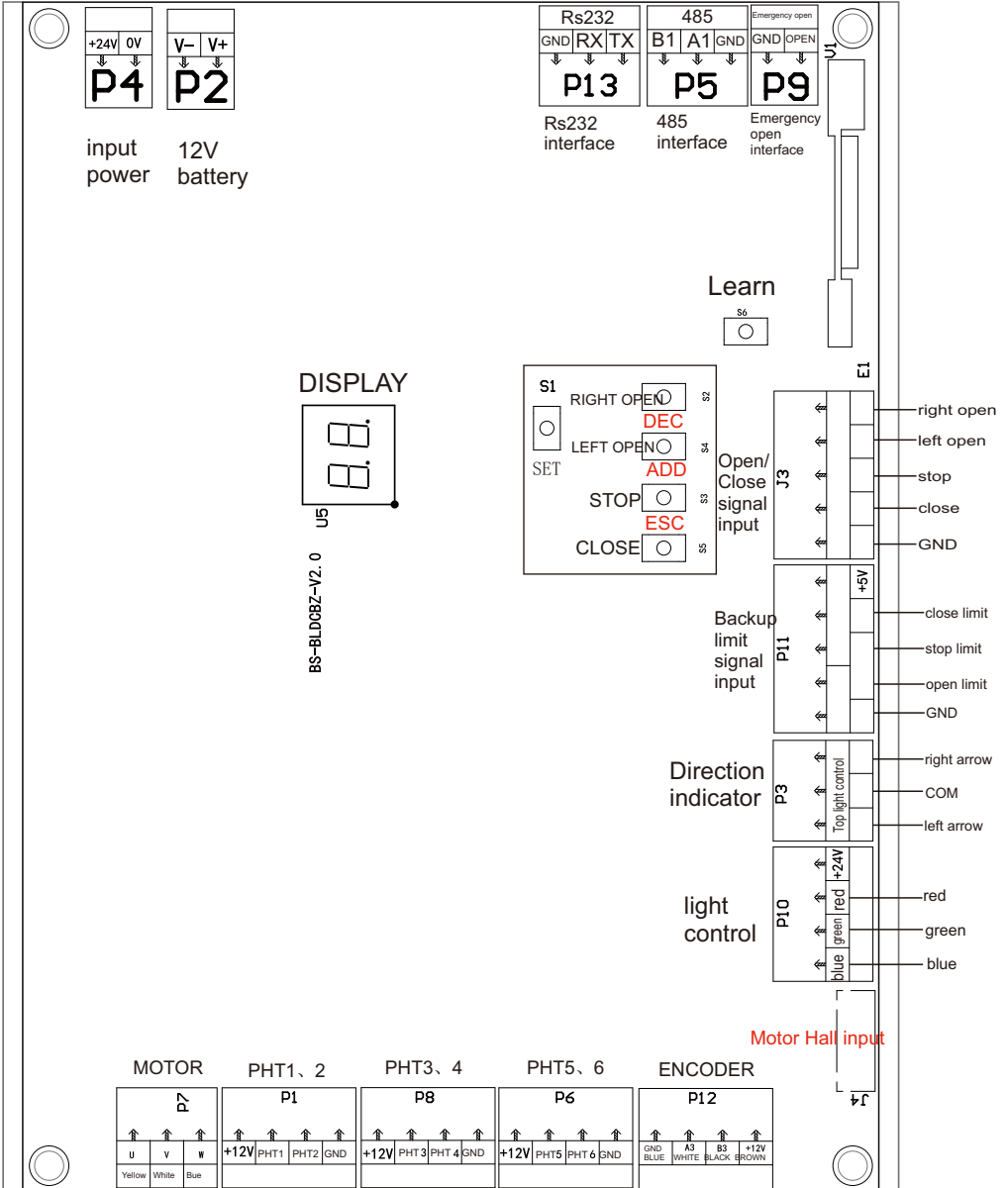
- A. Power on, gate enters auto-inspection, the inspection will be finish when gate is close.
- B. When the gate reads valid card/finger/face/QR code, the gate will open.
- C. When the gate gets open signal, gate will open, when the gate gets close signal by photocell, the gate will close.
- D. When read invalid card/finger/face/QR code, the gate will lock and alarm by light and speaker, the gate will only open when read valid information.

## 5. Installation

- Place the Cabinet at desired position.
- Use an electric drill with 10mm to drill the boreholes. The depth of the boreholes should be 80~90mm. Place the Expansion Bolts.
- Move the cabinet back to the desired position and tighten the Expansion Bolts.
- Dig the groove in ground for cables 1 and 2.
- Move the cabinet back to the desired position and tighten the Expansion Bolts.

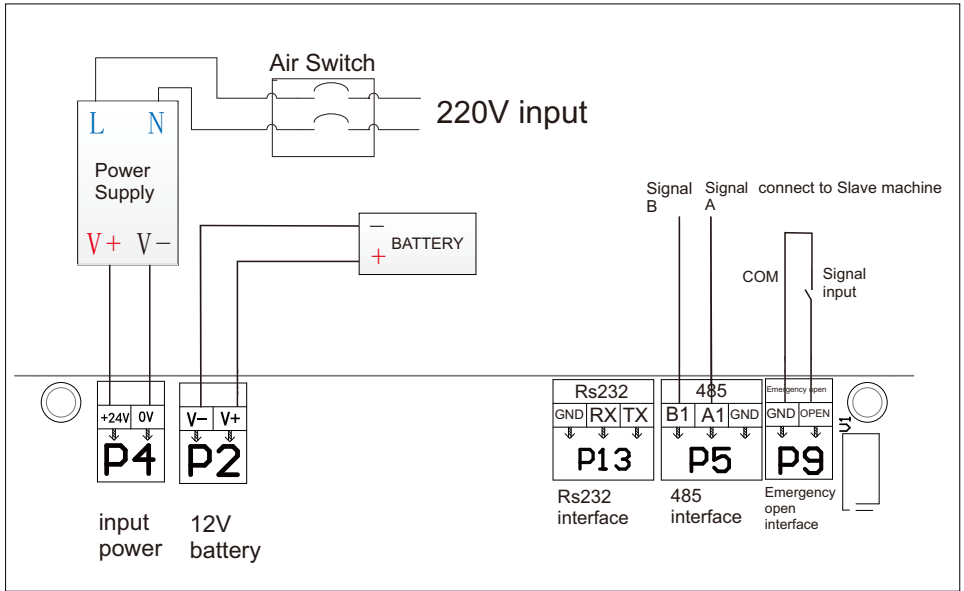


# 6. Control Board Diagram

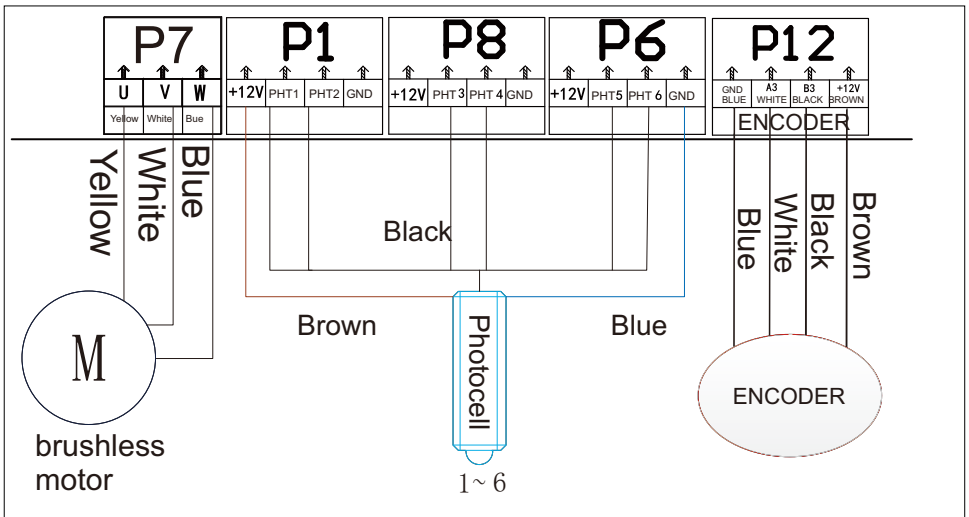


## 7. Connecting

### 7.1 Connecting part1

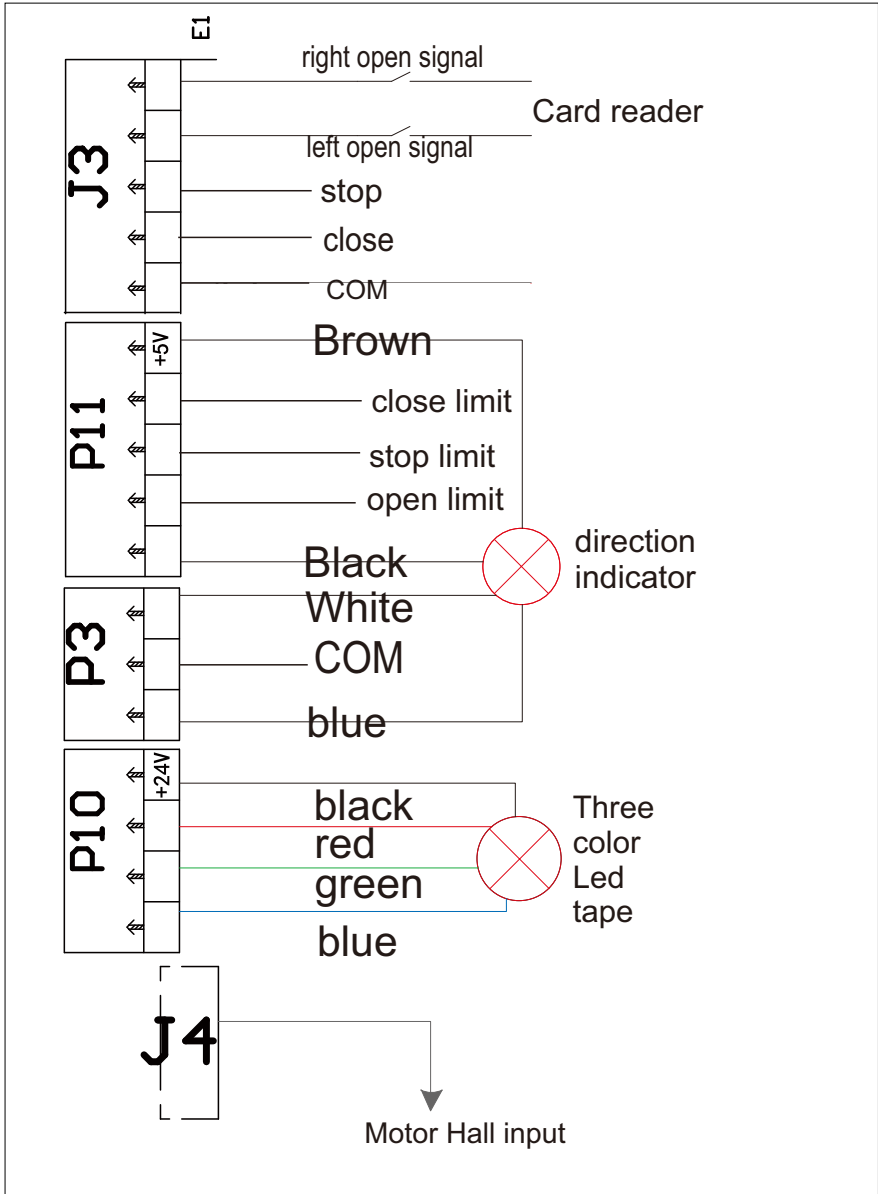


### 7.2 Connecting part2





### 7.3 Connecting part3



## 8. Function Parameters

### 8.1 Function Definition

Attention: Swing gate/flap barrier has been set well in factory. No need further modification. If necessary to adjust, please follow steps below.

P1	Middle position limit
P2	Left open limit setting
P3	Right open limit setting
P4	Open speed adjustment
P5	Close speed adjustment
P6	Motor's running direction setting
P7	Pass mode, factory setting is 4 0: enter freely, exit freely. 1: enter freely, exit restricted. 2: enter freely, exit forbidden. 3: enter restricted, exit freely. 4: enter restricted, exit restricted.(factory setting) 5: enter restricted, exit forbidden. 6: enter forbidden, exit freely. 7: enter forbidden, exit restricted. 8: enter forbidden, exit forbidden.  Mark: "restricted" means open gate by valid card, face or fingerprint etc
P8	Host machine and slave machine setting. 0: host, 1: slave
P9	Auto-close time setting: 0~99S(factory setting: 3S)
F0	Resistance sensitivity of PC board-middle position.(Fig1)
F1	Resistance sensitivity of PC board-end position.(Fig1)
F2	Current setting.

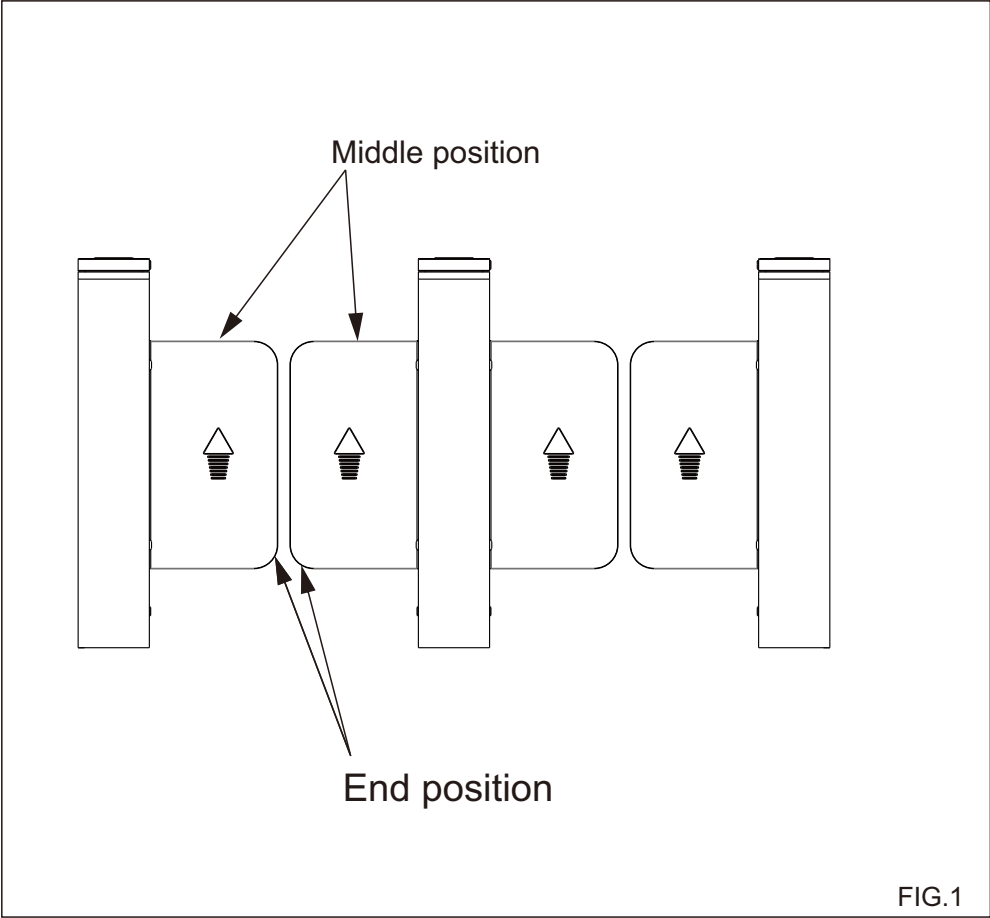
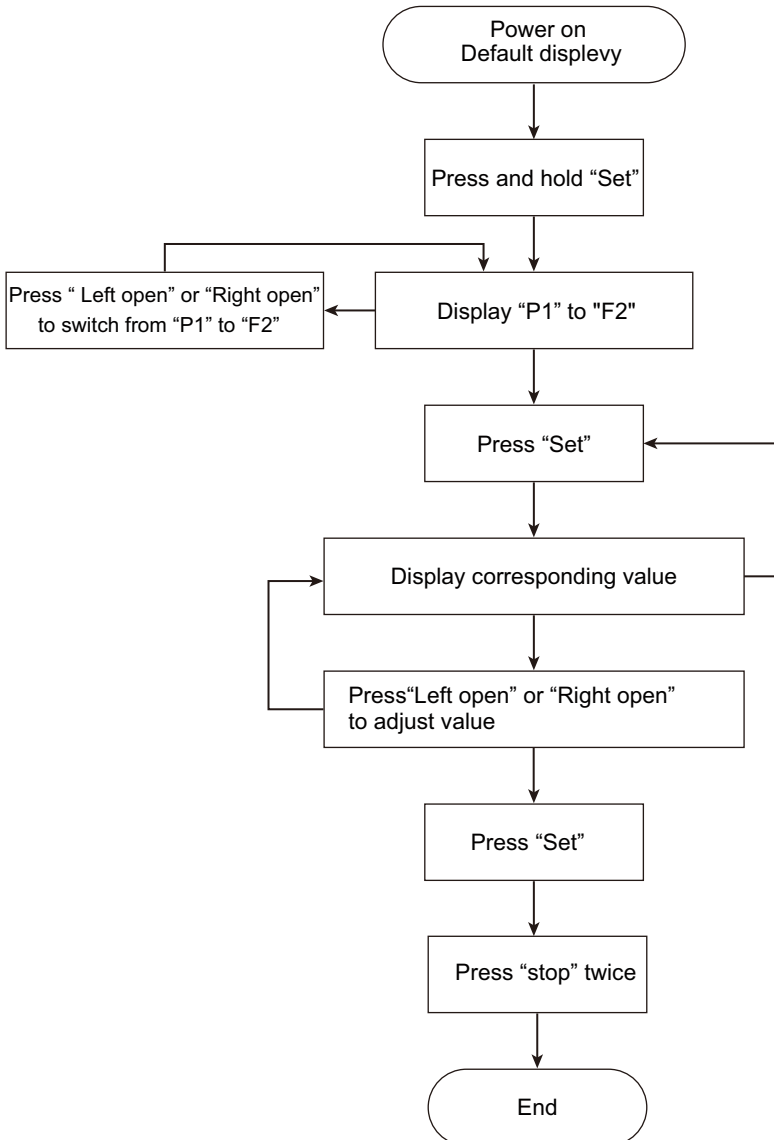


FIG.1

## 8.2 Setting

**Warning! Resetting should be operated by a qualified person.**



## 9. Trouble shooting

Code	Meaning	Solution
E1	Encoder signal is invalid	Check the signal wires and connectors
E2	Motor hall is invalid	1.Check the hall connector
E4	Motor Locked Rotor	1.Check the Mechanical System 2.Check Motor Wires Connectors
E5	Over current	1. Check if there is a short circuit. 2. Check if there is any block on gate.

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