2MGSTP BRUSHLESS MOTOR FLAP TURNSITLE

User Manual

2M® TECHNOLOGY

Swing Turnstile Gate Parameter Description

Features:

1. The intelligent flap gate is an upgrade for the intelligent tripod turnstile gate and swing gate. The intelligent flap gate is mainly a high-tech product for intelligent management of personnel channels. The product has better processing, complete functions and high grade materials.

2. Smart turnstile gates are mainly used in high-end residential areas, office buildings, hotels, sea ports, subways and other areas which need security. The transmission part of the intelligent flap gate is made with imported raw materials connecting rod transmission, which has no mechanical friction and makes for a longer lifespan of the machine. Aesthetic look helps it fit in seamlessly with any decor, durable anti-rust shell, external standard electrical interface. The flap gate can easily be integrate with most commercial security card, QR code, fingerprint readers or face recognition modules, through the selection of various identities recognize system equipment and reliable safety protection devices, alarm devices, direction indications, etc. The flap gates coordinate to realize intelligent control and management of the turnstile to provide an orderly way for people to enter and exit. The flap gates can also prevent illegal personnel from going and out. Flap gate opens automatically during an emergency to ensure unobstructed passage and facilitate a timely evacuation of personnel.

Technical Parameters

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Dimensions	Φ 168 x 1000 (mm)
Material	SU304 stainless steel
Process	Bright brushed material
Thickness	2.0mm
Channel Width	Standard 600mm, 900mm for disable
Traffic Mode	Single directional/bidirectional
Control Software	Access control attendance system/ electronic ticketing system/con-sumption system, etc. Its depend on whats controller install
Read And Write Method	ID card/IC card/National ID card/fin-gerprint, face recognition/QR code/ static tester
Working Environment	Indoor/outdoor (recommended for shelter)
Power Supply	AC200V/AV110V (optional) 50HZ
Working Environment	-25°C - 65°C
Working Humidity	Less than 95%, non-condensing
Traffic Speed	40/min
Input Interface	Digital signal
Communication Interface	RS485/TCPIP

Extensive: personnel counting function, voice alarm function, camera snapshot function, etc.
**Adaptedtable:** Can bue used for solution in commercial buildings, government agencies, etc.;
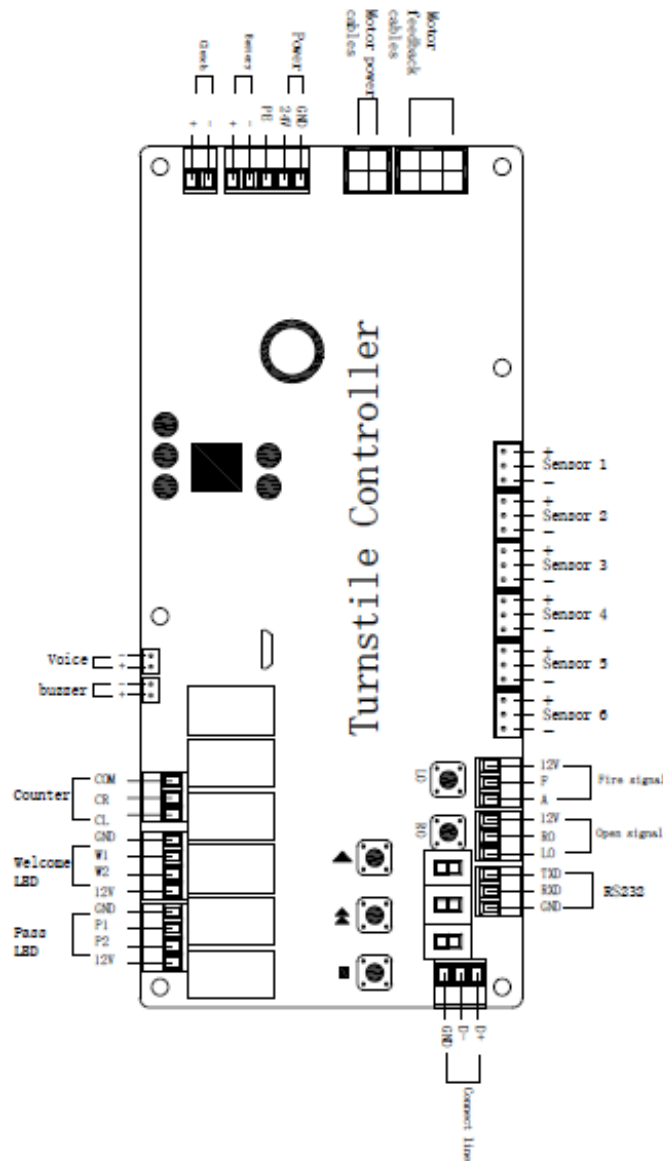**Science and Education:** colleges, research institutes, libraries, etc.

Business service places: Supermarkets, shopping malls, hotels, clubs, banks, etc.; leisure and entertainment places: parks, scenic spots, playgrounds, etc.
Transportation stations: Bus, railway, subway, airport, etc.
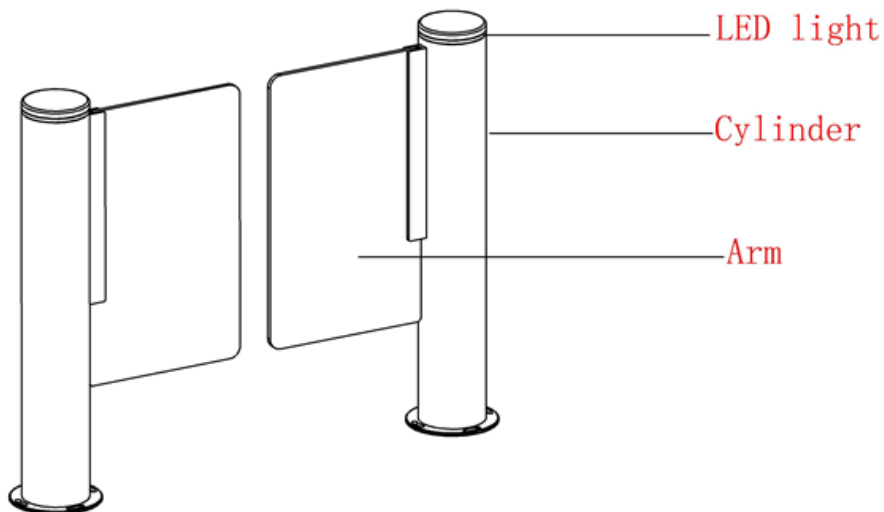
Size & Installation Diagram
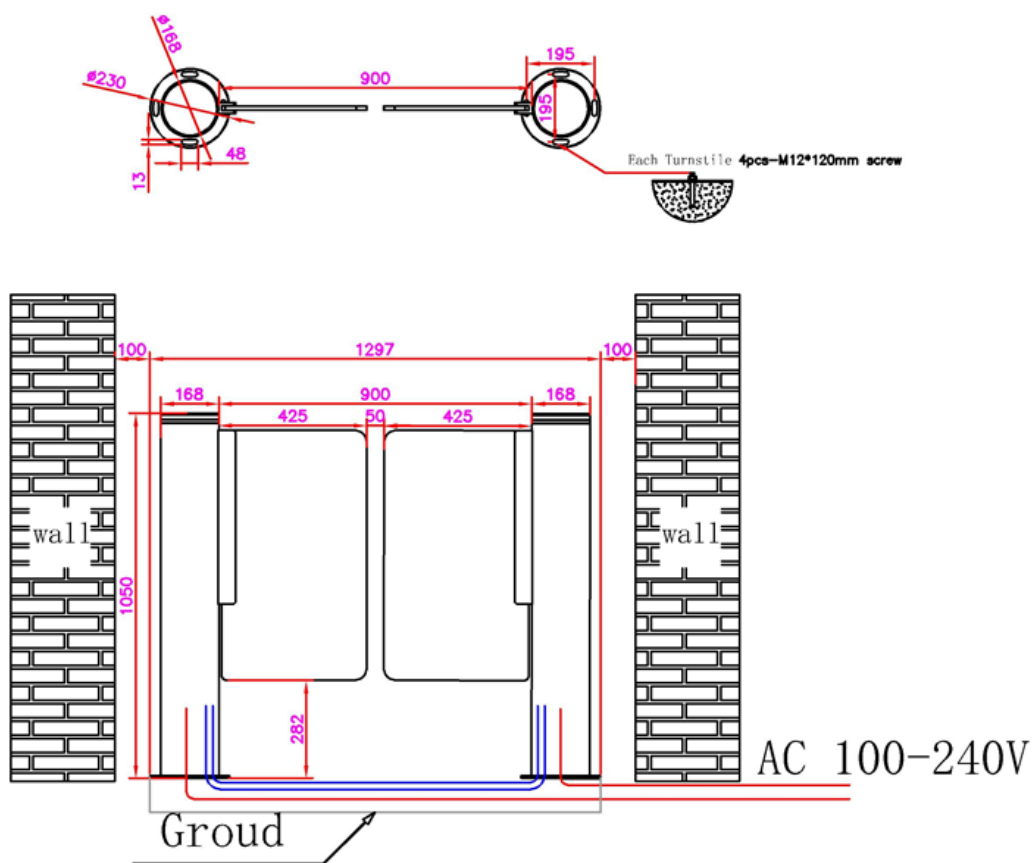
Brushless controller debugging instructions

There are 3 digital displays and 3 independent operation buttons can be debugged and status monitored.

Button Function
- ▲ Add / move up, data and menu settings (long press to quickly add), data does not carry
- ◄◄ Shift / exit, data shift, long press (1.2 seconds) to return
- ▪ Set / hold, short press to confirm
- Forward is the same direction as tap the turnstile forward; Reverse is equivalent to reverse as

Menu display and functions
- **d-group Err** is the alarm information
- **PEr** – the traffic alarm information

- **StU** – the gate status, Ast is the axis status,
- **PSt** – the traffic status
- **dIS** – input
- **IO** – status (control input port)
- **doS** – output,
- **IO** – status (passing, welcome light port, count output),
- **IrI** – infrared input status,
- **UEr** – version information (only project number and version number are displayed), Menu display, function
- **Group A roP** – open right (reverse opening)
- **CLo** – closes
- **LoP** – opens left (positive opening),
- **SE0** – to set the zero point
- **RST** – to reset

Problems Encountered In Gate Maintenance/Installation

The maintenance and repair of the movement:

1. **Gear Maintenance:** Regularly lubricate the "gear", "rocker arm" and "slide rail" transmission positions of the movement to ensure that the brakes reduce wear during long-term operation, thereby extending the use of the transmission parts of the turnstile life. (Under normal circumstances, the last lubricating oil is quarterly, and the actual situation is based on the on-site use situation.)

2. **Motor Replacement:** first power off the machine, then take out the four M8 hex screws fixing the motor frame in the movement, then take out the hex sockets of the M5 fixing the motor frame and the motor, and take out the new motor Fix the hexagon socket screws in the same way.

Installation And Debugging:

1. **The gate does not close after powered on:** Check if the anti-pinch infrared in the infrared layout of the gate is aligned. When the infrared hair is aligned and there is no obstruction, the infrared signal light is not bright; If the infrared signal remains on when there is no obstruction, the infrared position needs to be adjusted manually until the infrared signal is off.

2. **Alarm stays on when gate is powered on:** Make sure the infrared is aligned. When the infrared is aligned and there is no obstruction, the infrared signal light is not bright; If the infrared signal is always on when there is no obstruction, the infrared position needs to be adjusted manually until the infrared signal is off.

3. **The gate does not open when the power is off:** Ensure the battery wire on the gate is plugged in (The cable could have come off due to handling during transportation or the battery line was not plugged-in before leaving the factory), and then plug in the battery line after the gate installation and debugging is completed.

4. **Replacing the sensor on the gate:** First power off the gate and find the sensor to be replaced, cut the sensor line at least +/- 15cm from the sensor and then cut off each cable. Make sure to attach cables to their corresponding color.

4. Make sure the gate is grounded.

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