

2M TECHNOLOGY TURNSTYLE CONTROLLER

User Manual



Preface

Turnstile Controller Manual Objectives:

Controller screen counter, entering and exiting, and adjusting parameters in the menu

How to Enter the Menu: press “Confirm” and input the password

Password: “up”, “up”, “down”, “down”, “up”, “down”

Options in Menu:

1. Channel Parameters (Channel Para)
2. Factory Settings (Factory Set)
3. Output Settings (Output Set)
4. Audio Settings (Audio Set)
5. Time Settings (Time Set)
6. System Information (Sys Info)

1. Channel Parameters

1. In mode: 3 entry options

- a. Swipe – uses the Input/Output connections (for card reader or facial recognition terminal)
- b. OffenOff – locks the gate doors so they do not open
- c. Free – allows people to walk freely through the gates

2. Out mode: 3 exit options

- a. Swipe – uses the Input/Output connections (for card reader or facial recognition terminal)
- b. OffenOff – locks the gate doors so they do not open
- c. Free – allows people to walk freely through the gates

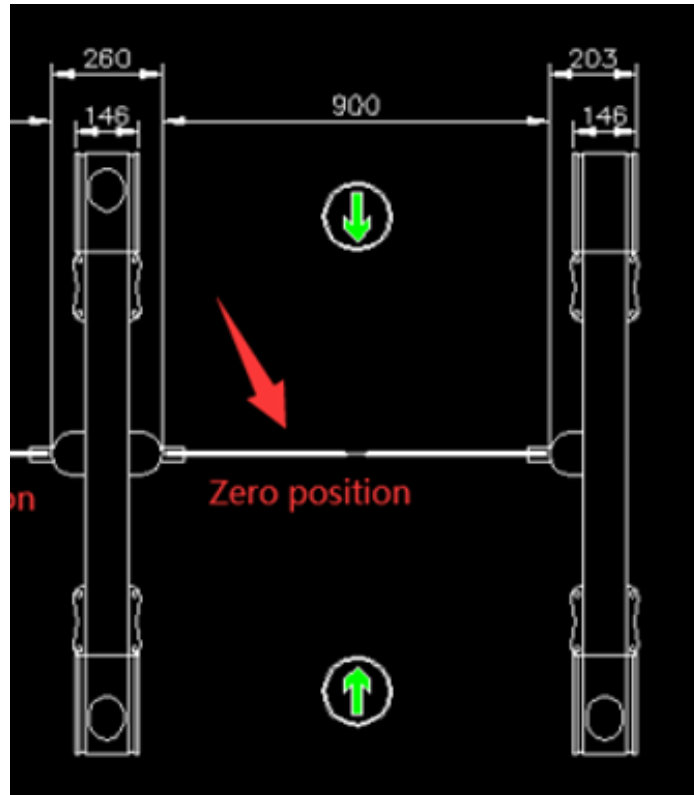
3. Gate type: choose gate option. This model is Servo Swing Gate type.

- a. Servo Swing Gate
- b. Tripod Gate
- c. Wing Gate
- d. Swing Gate
- e. Speed Gate

4. **IR Number:** number of IR sensors that are connected. The default number is 8.
5. **Open Speed:** speed of the gate opening. The default number is 5.
6. **Open Angle:** angle which the gate will open
7. **IR Polarity:** only for factory use
8. **Test Mode:** only for factory use
9. **Open Direction:** used to program the turnstile. Only for factory use
10. **Safe Mode:**
 - a. Safe close: After people pass through, then the gate will close. This is the default setting and the most suggested one to use.
 - b. Safety zone
 - c. Fast close: the gate will close faster (not suggested to use)
11. **Open cnt:** This is a memory function.
 - a. Open count: If you tap a certain number of times continuously, then you will be able to pass that same number of times. For example: if you tap your entry card 10 times continuously, the gate will grant 10 entries.
 - b. Open one: will only let one person through, no matter how many times the card is tapped. For example: if you tap your entry card 10 times continuously, the gate will still only grant 1 person through.
12. **Count clr:** clear the number of entries and exits
13. **Link In:** this function is used to integrate with fire alarms
14. **Servo Type:** only for factory use
15. **Inner Swipe:** allows for someone to be in the passageway and then tap their card instead of having to be outside of the passageway
16. **LED Mode:** to set the LED lights. Only applicable if we have sent you the appropriate LED lights.
17. **Emergency Open:** set the open direction when needing to open during an emergency (such as when the gate is powered off)
18. **Reverse:** means that when you tap your card at entry, one person will also be allowed to exit at the same time. Can have the gates close or maintain the same position
19. **Tail In:** when people follow in without tapping their own card, the turnstile should either close or maintain the same position

2. Factory Set

1. **Master-slave:** Choose between slave or master mode. This setting should be kept in Master Mode.
2. **Set Zero:** setting the arm closing position



3. The rest of the settings in this section is only for factory use

3. Output Set

1. **Pass out** – After people pass through the passageway, then it will trigger the output
2. **Alarm out** – disable or enable alarm signal output
3. **Buzzer out** – disable or enable buzzer signal output
4. **Alarm audio** – disable or enable an audio signal output

4. Audio Set

1. **Entry Prompt** – prompt when entering
2. **Exit Prompt** – prompt when exiting
3. **Break In** – prompt when there is unauthorized entry
4. **Tail Warn** – tailgating warning
5. **Stay Warn** – warning when a person is staying in the passageway for too long

5. Time Set

1. **Wait Time Out:** the amount of time that the gate will stay open after tapping your card. For example: The default time is set to 5 seconds. If you tap your card, but no one goes through the passageway, after 5 seconds the gate will close again.
2. **Stay Alarm Time:** if you stay in the passageway for the amount of time that is configured, then an alarm will sound.
3. **Off Time:** set the delay closing time. For example: if it is set to 5 seconds, then the gate will close after 5 seconds after people pass through.
4. **IR Check Dly:** set the infrared sensitivity. The smaller the value, the more sensitive it will be. Note: please do not set this without one of our technician's assistance. The default value has been set according to our recommendations.
5. **Alarm Dly:** Alarm time. For example: if it has been set to 5 seconds, the alarm will sound for 5 seconds.

6. Sys Info

1. **Language**
2. **Reset Para** – reset parameters
3. **Version**
4. **Device Address**
5. **RS232 Speed** – 115200, 38400, 19200, 9600, or 4800. The default is 115200. Only for factory use
6. **RS485 Speed** – 115200, 38400, 19200, 9600, or 4800. The default is 115200. Only for factory use
7. **Servo port** – RS232 or RS485. The default is RS232. Note: If this setting is changed, it can affect the operation of the gate. Only for factory use
8. **Control PROT** – control protocol, RD001 or TB001. The default is RD001. Only for factory use



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