



Installation Manual

Product NO: TG-S2000G

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Installation Instruction

Installation Requirement- Important points before installation:

1. The ground surface where the gate is installed should be level;
2. The ground must be frost-free and have good bearing capacity;
3. The turnstile must be grounded;
4. The power cord should be no less than RVV3*2.5 (The power cable size 3*2.5 is suitable & Standard);
5. It is recommended to use UPS device for power of the gate.
6. Connecting the grounding system to the gate is strongly recommended.
7. When installing, make sure the body is horizontal and the turning bar is vertical.
8. When installing, make sure the sensors are exactly opposite each other.
9. Use a Main power fuse (16A- 220 VAC - Class C) for power of both gates.

You can also pay attention to the following points before installation:

1. The concrete grade \geq C30 (For outdoor installation);
2. Concrete thickness \geq 200mm;

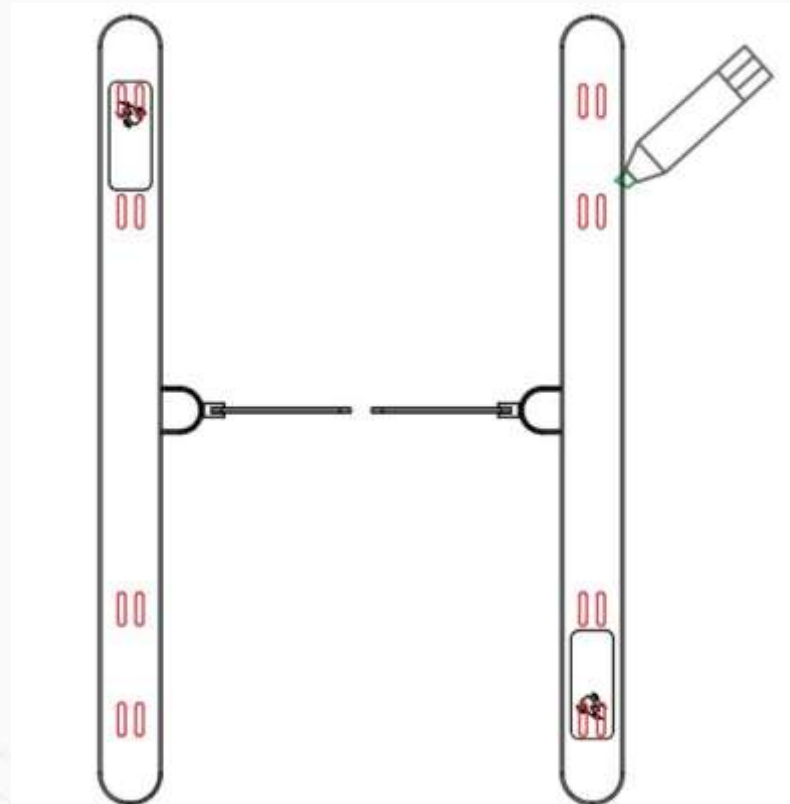
Installation

According to the channel requirements, place the equipment in good condition, ensuring that both ends of the equipment are level and the channel width is consistent.



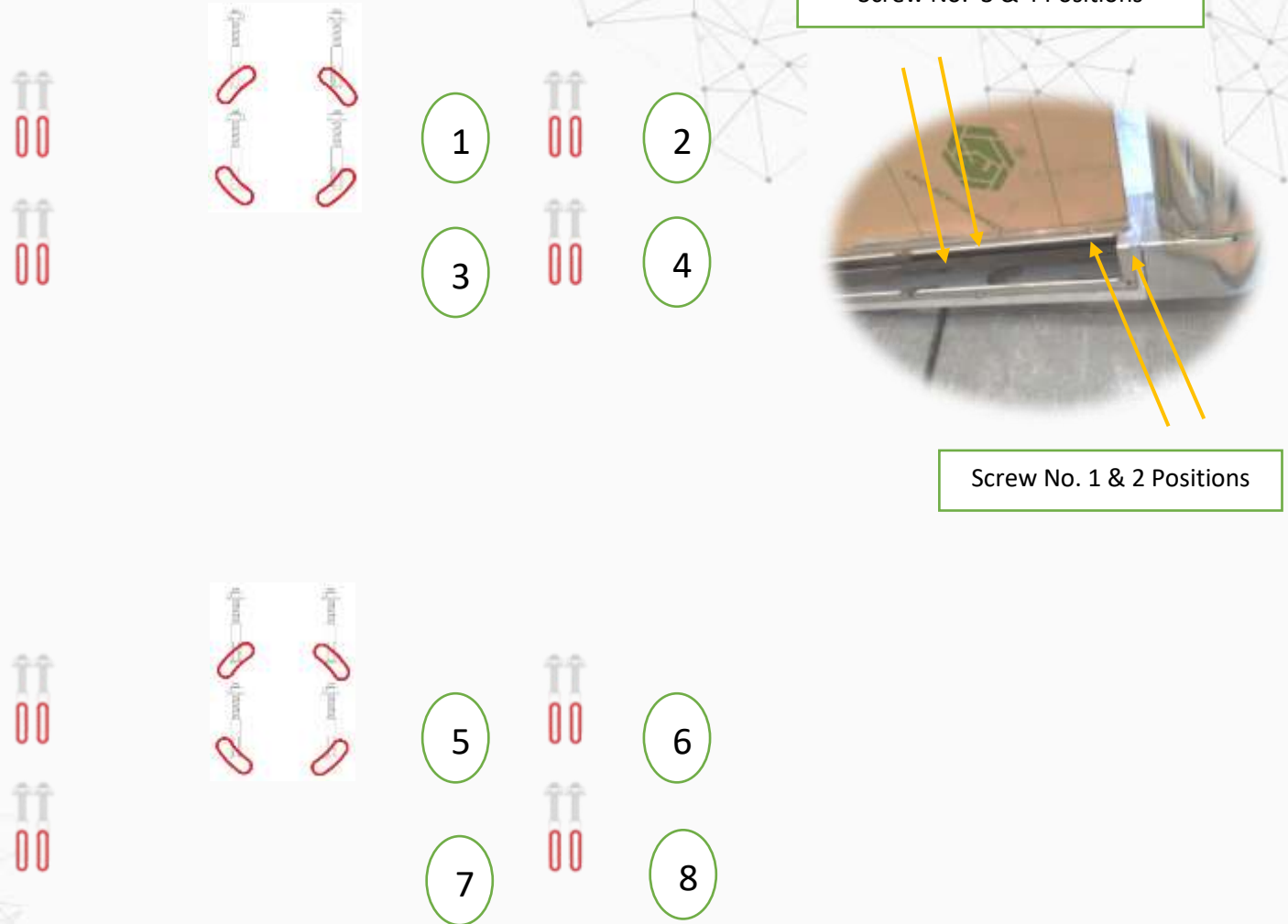
Mark the fixed hole position

- 8 screws are required for each side of the gate to fix it to the ground.

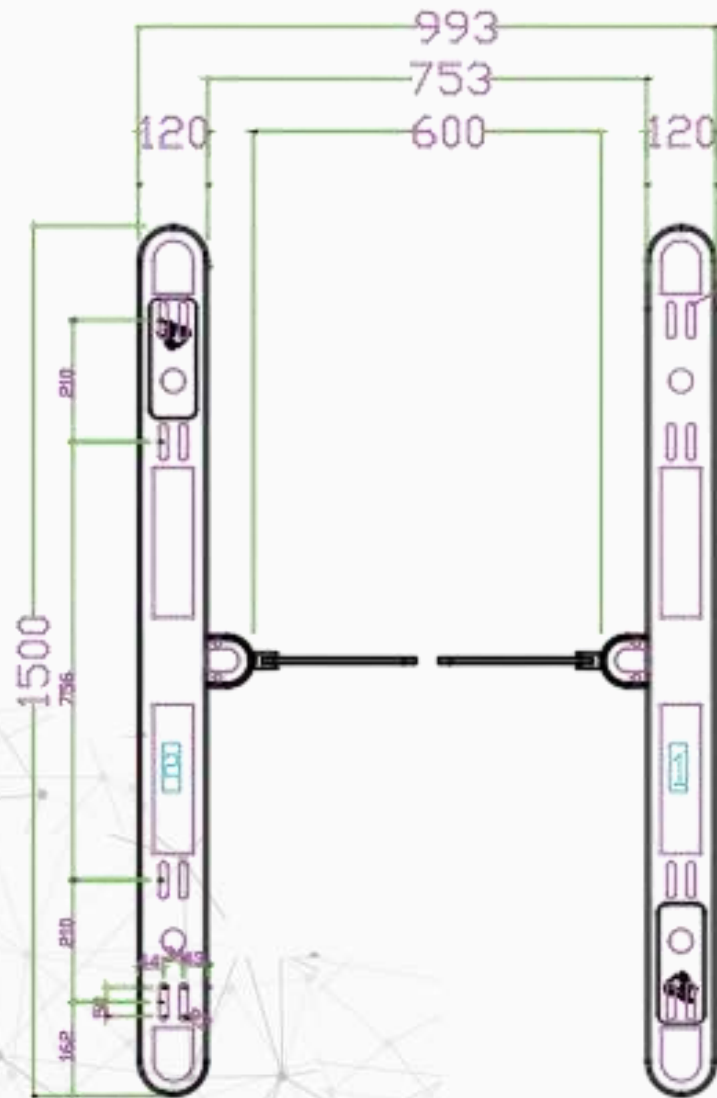


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Move the device away and embed M12 * 100 expansion screws according to the marked hole positions.



Dimension, position and fixation



(M12X100mm expansive bolt)



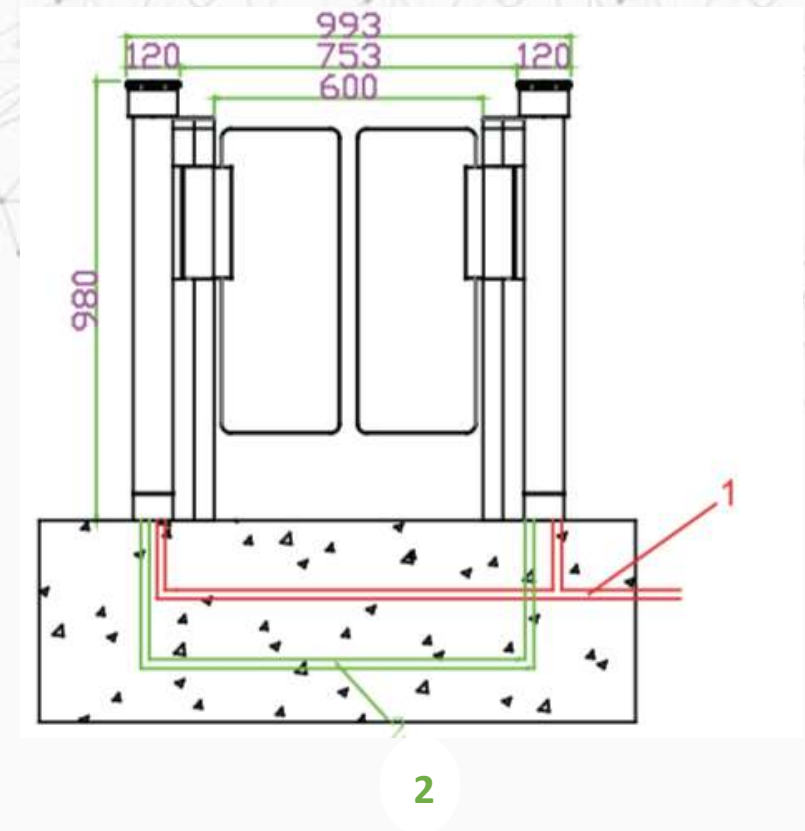
Important: Use Roll Bolt adhesive to secure the gate to the ground after installing the gates.

Cabling & Wiring Communication

Buried wires according to wiring diagram ahead of time

1. Power Connector
2. Communication Connector no.1 Servo Motor Drive
3. Communication Connector no.2 between Master & Slave
4. Network Connector between Master & Slave
5. Access Control Connector 1*
6. Access Control Connector 2*

Note *: If access control equipment is installed, wiring can be done according to actual conditions.)



- 1 || The Ø20mm PVC tube for AC 220V Power wires (3 X Ø2.0mm).
- 2 || The tube for connecting vice-machine to master machine in the same lane (CAT5 network cables*3PCS, 2 * 1.0mm Power wires*1PCS) .
- 3 || TCP/IP ethernet cable for connecting access device to PC.
- 4 || 1Master servo motor driver,2.Vice- servo motor driver.

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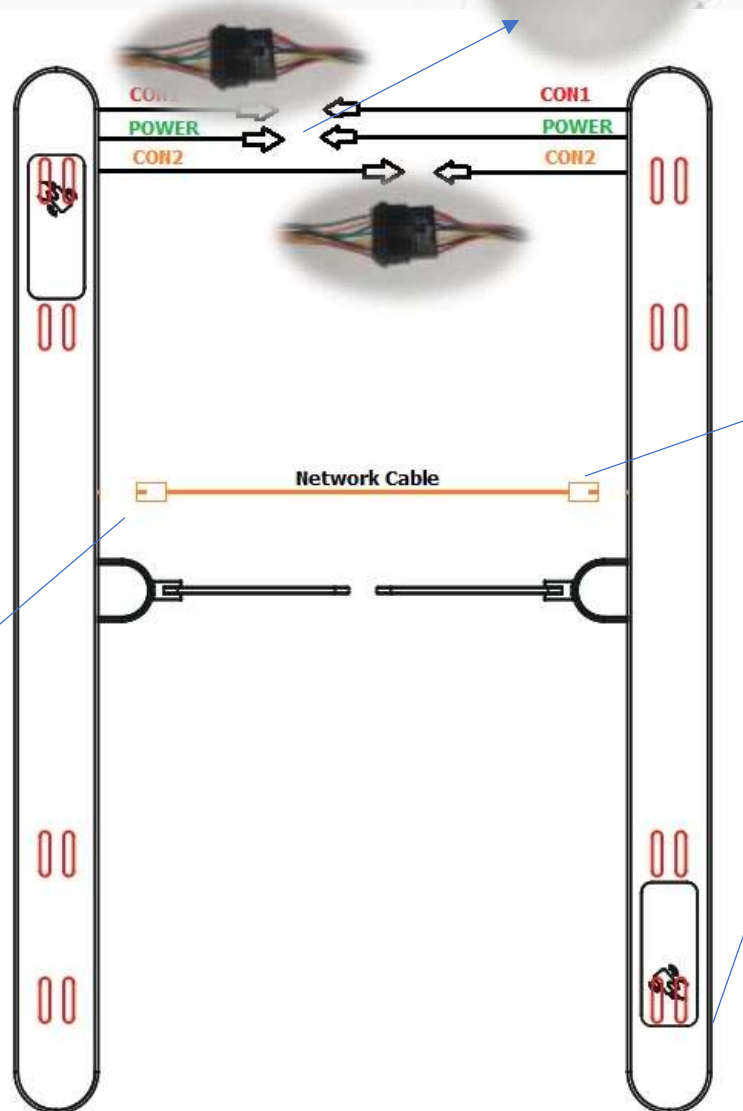
NOTE: There are 6 connector & cabling communication

Access control device installation

Guide Table:

Yellow Cable : SW1 , SW2

White Cable : GND



Access control device installation

Guide Table:

Yellow Cable : SW1 , SW2

White Cable : GND



Testing & commissioning

1. Check the wiring:

the channel: According to the wiring diagram, check whether the online and power lines of the gate are connected correctly. Only after confirming that they are correct can the power be turned on. If there are any abnormalities during the power on process. Always disconnect the power and check the connecting wires first.

2. Function debugging:

After power on, the gate is opened and closed, then opened and finally closed. This process is a machine self-test, and the self-test is completed after two beeps of two seconds. Do not block the infrared during the process and do not stand in the channel.

3. passing test:

- Enter the lines without swiping card, the turnstile will always alarm; if no alarm, please check if the infrared sensors are aligned. When they are aligned, the infrared receiver lights up red; When they are not aligned, and then the infrared receiver will not light up red, please adjust and align the infrared sensors.

- The unlocking time of the access control relay should be set to 0 seconds or 1 second;

- When flashing a valid card, the indicator light turns into a green arrow. If the direction indicated by the indicator light is incorrect or if the entrance gate is closed immediately and an alarm is triggered, switch to SW1 Simply swap the Gnd and SW2 Gnd wiring.

4. Carefully inspect and test to ensure that there are no abnormalities in the door opening and closing, the indicator lights are correct, and infrared anti pinch function is normal before putting it into use.

5.

Wiring diagram

