

ID Gate 5600 Dual

Date: Oktober 2025

Version: ID Gate 5600 Dual



Please read and follow the installation instructions before operating the device, and keep the instructions for future reference or use after an error message.

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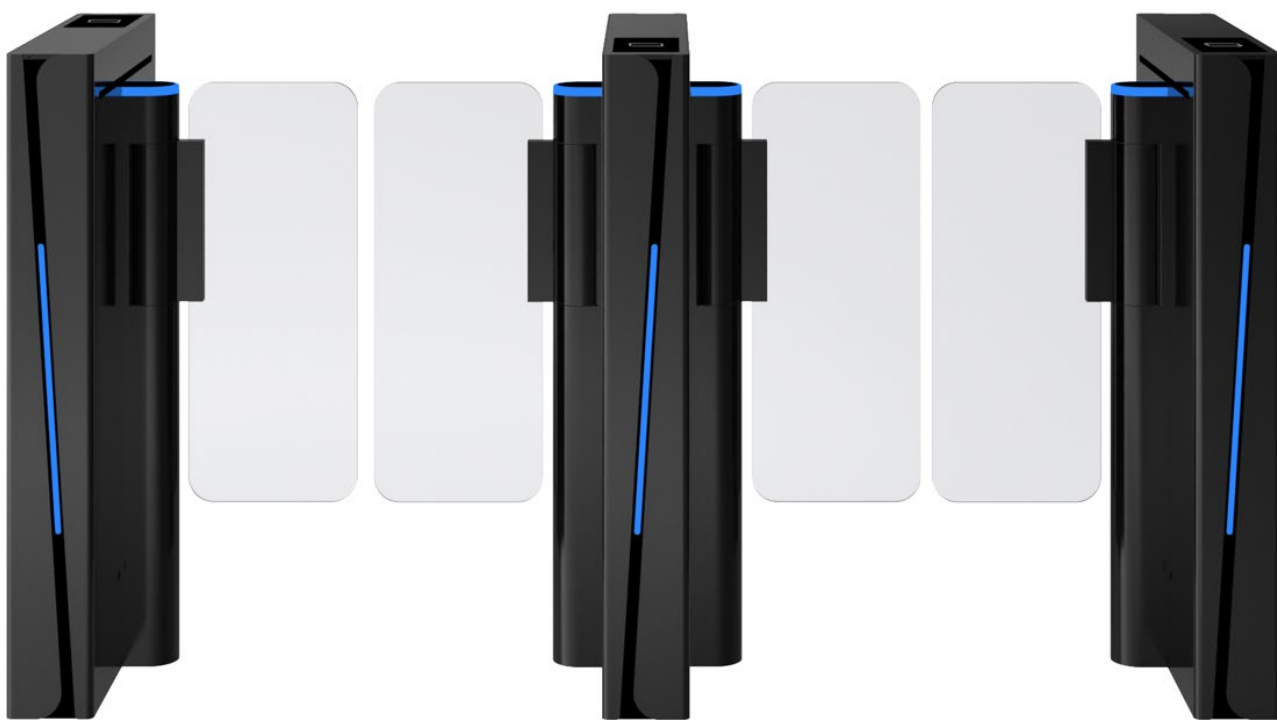
1. installation guide

1.1 Installation requirements

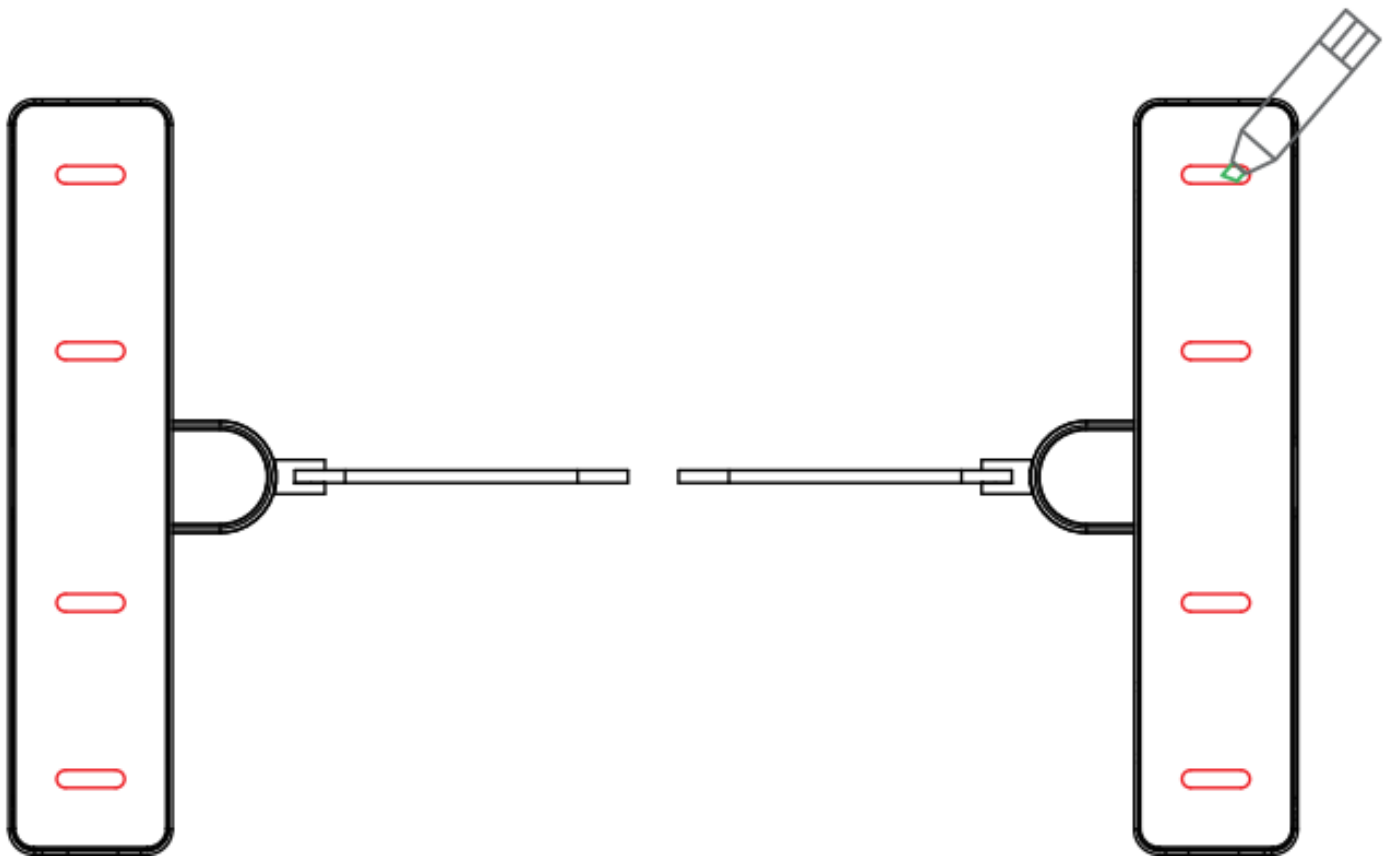
- The floor area where the door is to be installed must be level.
- The concrete quality must be $\geq$ C30 (for outdoor installation);
- Concrete thickness $\geq$ 200 mm;
- The ground must be frost-free and have good load-bearing capacity;
- The speed gates must be grounded.

1.2 Installation

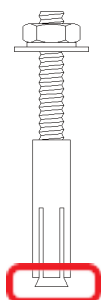
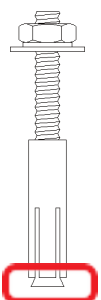
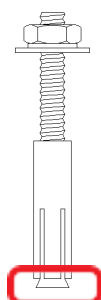
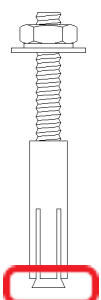
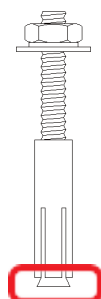
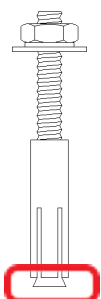
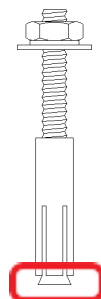
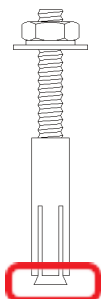
Place the device in accordance with the cable duct requirements, ensuring that all parts of the device are level.



Mark the position of the mounting holes.

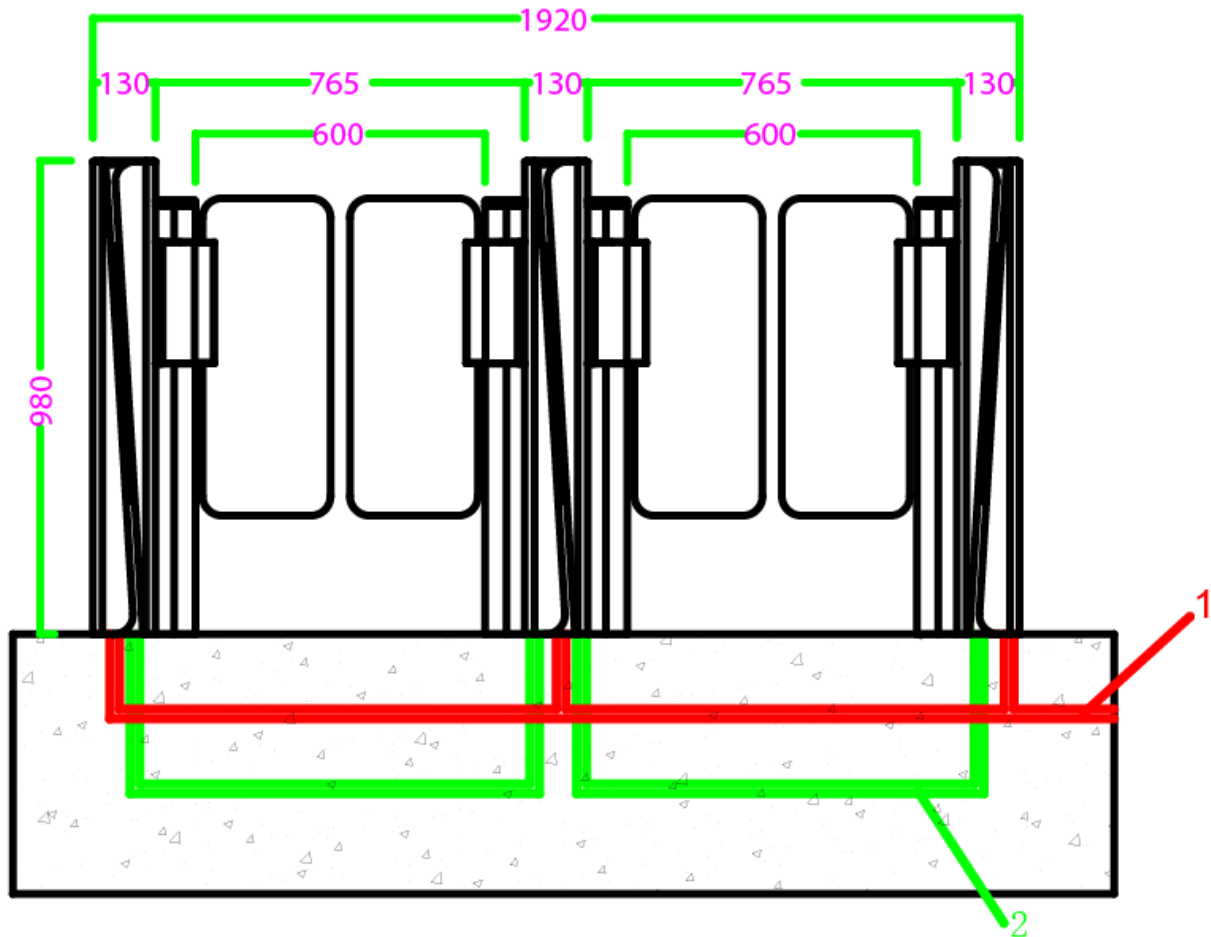


Move the device away and insert the M12*100 expansion screws according to the marked hole position



Lay the cables in advance according to the wiring diagram

(Note: This device requires two power cables. If additional access control devices are installed, the wiring can be adjusted according to the actual conditions.)

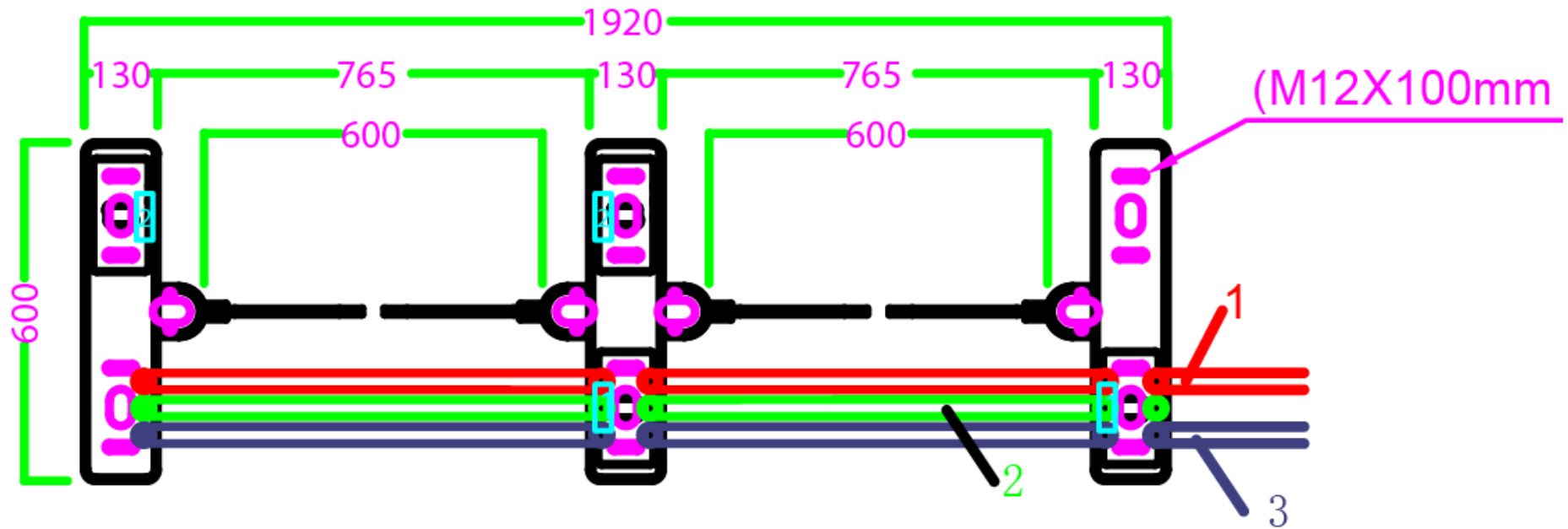


Installation instructions:

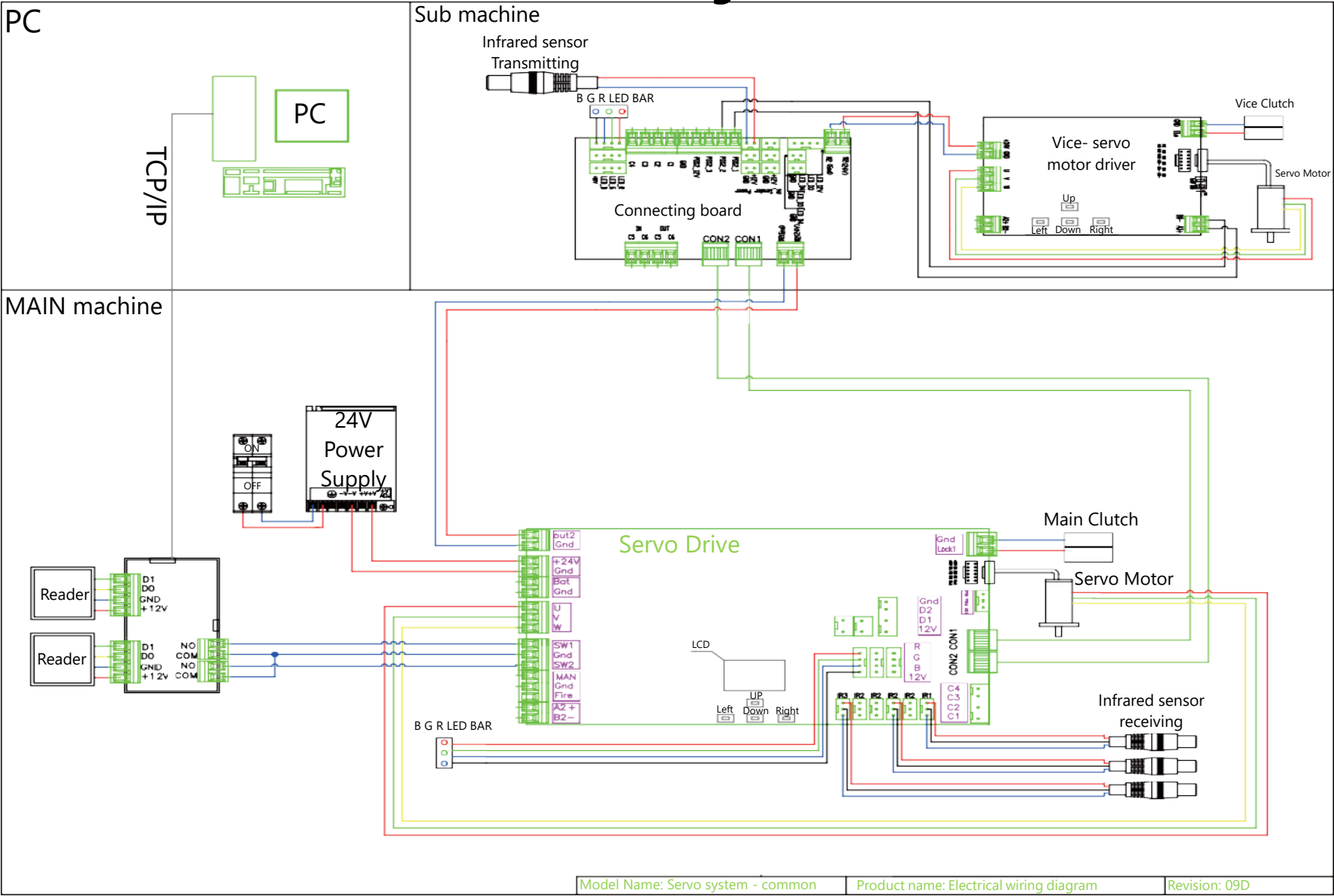
- 1 || The Ø20mm PVC pipe for AC 220/230V power cable (3 X Ø2.0mm).
- 2 || The cable connecting the slave unit to the master unit (2 CAT5 network cables and 1 power cable).
- 3 || TCP/IP Ethernet cable for connecting the access device to the PC.
- 4 || Fastening the device with M12 X 100mm expansion screw.

Note: All cables protruding from the floor must be at least 2 m long.

Turnstile installation and mounting



circuit diagram



2. review

- 1) Check the wiring:
Use the circuit diagram to check that the power line and Cat cables for the gate are connected correctly. Only once this has been verified can the power be switched on. If any anomalies occur during the switch-on process, always disconnect the power supply first and then check the connection wires.
- 2) Function check:
After switching on, the gate performs a self-test, ending in the closed position. The test is completed after two beeps lasting two seconds. Do not block the infrared area during the test and do not stand in the gap.
- 3) If you enter the sensor area without swiping your card, the turnstile will always trigger an alarm. If no alarm is triggered, please check whether the infrared sensors are aligned. If they are aligned, the infrared receiver will light up red if not, adjust the two gate parts.
- 4) The unlock time of the access control relay should be set to 0 seconds or 1 second.
- 5) When a valid card is read, the color of the LEDs changes to green. If the entrance gate closes immediately and an alarm is triggered, switch to SW1 and simply swap the Gnd and SW2 Gnd wiring.
- 6) Before starting operation, carefully check that the door opens and closes properly, that the indicator lights are working correctly, and that the infrared anti-trap device is functioning properly.

2.1 Parameter Description

menu	illustration
1. parameters	
1.1 counter	Shows the number of passes
1.2 Goal Mode	Sets the gate mode (NO, NC, and map, free or rejected) for input and output:
1.3 Passage timeout	Set maximum wait time 10-255, unit 0.1 s, default 5 seconds
1.4 storage	Set scan card with memory mode: Both disabled by default.
1.5 Scan your ticket upon entry	Card can be scanned after entering the lane, please do not change Default not allowed
1.6 opening delay	Sets the delay for authorized door opening (0-255), unit 0.1 s (default: 0)
1.7 closing delay	Sets the delay for closing the door after passage (0-255), unit 0.1 s (default: 0)
1.8 MIN speed	Sets the speed of the self-check when switching on – the smaller the value, the slower the speed
1.9 opening speed	Sets the speed at which the gate opens and closes – the lower the value, the faster the speed.

1.10 Pass end	Sets the end position of the IR check pass: 1st output (default), 2nd safety
1.11 intruder alarm	Sets the ring alarm mode: 1. None, 2. Alarm (default), 3. Alarm and close
1.12 reverse alarm	Set the alarm for passage in the opposite direction: 1. None, 2. Alarm (default), 3. Alarm and close
1.13 lag alarm	Sets the alarm mode for unauthorized trailing: 1. None, 2. Alarm (default), 3. Alarm and close
1.14 entrance voice	Not activated
1.15 initial vote	Not activated
1.16 alarm announcement	Not activated
1.17 Extended parameter	
.1 engine type	Sets the engine type: 1. TB 2. LS 3. HBL
.2 KP	Sets the rotation speed value
.3 KI	Sets the ring buffer value
.4 engine protection	Sets the overcurrent protection threshold for the motor (default: 13.0A)
.5 angle of incidence	Sets the opening angle of the turnstile for entry
.5 angle of departure	Sets the opening angle of the turnstile for the exit
.7 initial test	Not activated
.8 locking option	Sets the lock: 1. Not permitted, 2. Permitted
.9 Save factory settings	Saves the current parameters as factory settings
.10 Relay mode	Sets the delay for the stored pass counter (default: none)
.11 Car Report	Set automatic notification of gate status when changed: Default disabled
.12 direction of rotation	Sets the direction of rotation of the motor: 1. DIR_ON, 2. DIR_REV
.13 NO direction	Sets the default direction for the open gate: Default entrance
.14 power outage	Sets the default opening of the gate in the event of a power failure: Default input
.15 barriers	Signal or dual machine operation: Standard dual operation
.16 IR Logic	Sets the IR logic type: Standard indoor
.17 LED mode	Sets the LED direction indicator mode: 1) Static LED, 2) Small square LED
.18 Set device type	Sets the controller device type: 1) Swing barrier, 2) Flap barrier, 3) Turnstile
2. System Set	
2.1 language	Sets the menu display language
2.2 device type	Displays the controller device type
2.3 version	Displays the hardware and firmware version
2.4 Set address	Sets the logical device address
2.5 SLE Address	Not activated
2.6 Master Flag	Not activated
2.7 RS485 baud rate	Sets the baud rate of the RS485 connection
2.8 Reset	Resets all settings to factory defaults
2.9 restart	Restart the controller
3. Factory Test	
3.1 cycle test	Door opening and closing cycle test
3.2 Set zero point	Sets the closed position of the barrier

3. troubleshooting

Basic concepts:

Infrared sensors consist of a receiving side and a transmitting side. The green light at the end of the transmitting side is always on, and the receiving side has 3 wires: brown, 12V, blue, Gnd, black. When the signal line is clear, the red light at the end does not light up, and no voltage is output between the black signal line and the blue line. When there is a blockage, the red light at the end lights up and the black signal becomes active. There is a voltage output between the number line and the blue line.

questions	solutions
1. The indicator light is not illuminated?	Switch to another test device.
2. After reading the card, one side of the door remains open?	Check whether the wiring is loose; switch off the power supply and check whether the connecting wires are properly connected; check the electrical connection of the control board separately. The W, V, and U connections on the machine correspond one-to-one with the color sequence of the cables.
3. Open the gate when entering the passageway?	Change the two-way release mode in the control board menu to card reader mode.
4. Entering the passage after reading the card triggers an alarm and the gate closes?	Connect the opening signal to the two terminals of the control board for the adjustment lock, SW1 GND and SW2 GND.

3.1 maintenance

Improper operation and climatic influences inevitably cause various components to wear out and crack. We recommend that you maintain your products regularly to ensure that they have a long service life.

Art: Surface dust, chemical liquids, dirt, acidic and alkaline substances

Lösungen: Wash with a damp cotton cloth, then wipe dry, then wipe with alcohol.

Wartungszyklus: Weekly

Art: Check whether fasteners are loose and whether circuits are functioning abnormally.

Lösungen: If a fastener is loose, tighten it. If the circuit is abnormal, fix the problem. To do this, check the wiring.

Wartungszyklus: Annually

3.2 Note

1. Avoid using cleaning agents with acidic or alkaline components.
2. Avoid scratching the surface of the turnstile with sharp or hard objects.
3. Keep the surface dry.
4. Check the condition of the gate regularly.

4. Support

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