

ONE WAY SWING GATE

Model: CST-212



This swing gate integrates mechanics, electronics, microprocessor control, and various read/write technologies into a cohesive system. It features standard electrical interfaces for seamless integration with magnetic cards, barcode cards, ID cards, IC cards, and other read/write devices. It provides a civilized and orderly passage for authorized personnel while preventing unauthorized access. The system also includes a dedicated fire safety function to ensure unimpeded passage during emergencies, facilitating safe evacuation.

Technical Parameters:

- ◆ **Structure:** The housing is made of 304/201 stainless steel, offering rust resistance, durability, and low maintenance.
- ◆ **Dimensions (L×W×H):** 1200 × 280 × 980 (mm)
- ◆ **Weight:** 32 kg
- ◆ **Gate Arm Length:** Standard 600 mm
- ◆ **Swing Direction:** One way or two way (optional)
- ◆ **Operating Voltage:** AC220±10% V, 50 Hz
- ◆ **Power Supply Voltage:** AC220±10% V, 50 Hz±10%
- ◆ **Motor Power:** DC motor, 100W/24V
- ◆ **Operating Temperature:** -40°C to 80°C
- ◆ **Humidity:** ≤90% RH (non-condensing)

- ◆ **Input Interface:** 12V level signal or pulse signal (>100ms), drive current >10mA
- ◆ **Maximum Passage Width:** 1200 mm
- ◆ **Communication Interface:** RS485 standard, IP/TCP
- ◆ **Gate Opening/Closing Time:** 2.5 seconds

Features:

1. **Self-diagnosis and alarm functions** for easy maintenance.
2. **Auto-release upon power failure** and self-recovery when power resumes.
3. **Multiple operation modes:**
Two way card reading; One-way card reading with opposite direction blocked/free passage; One- way/two-way infrared sensor passage (auto-close after passing); Configurable via mainboard settings
4. **Auto-close function:** Infrared detects passage completion or delays closing (1-60s, adjustable via mainboard).
5. **Auto-reset function:** Cancels passage permission if the user does not pass within a set time (configurable).
6. **Anti-tailgating alarm:** Triggers if an invalid/no card is detected, only resetting after the person exits.
7. **Remote control (RS485):** Supports remote opening/closing for special or fire safety needs.
8. **Anti-collision:** Locks automatically without an open signal.
9. **Dual anti-pinch (infrared/mechanical):**
Stops closing if a person is detected; Auto-reverses or stops upon obstruction with minimal force and audible/visual alarms.
10. **Standardized electrical interfaces** for compatibility with various read/write devices and system integration.
11. **Passenger counting:** LED display shows real-time traffic flow statistics.
12. **Clear passage indicators:** LED signals show "go" or "stop."
13. **Configurable card memory function** via mainboard settings.
14. **Capacity limit setting:** Restricts maximum occupancy via software (for special venues).
15. **Smooth and quiet operation.**

Note: Can be integrated with smart control systems for access control, attendance tracking, payment, etc.

Applications:

One-way & Two-way pedestrian control including:

- ◆ Stations, ports, tourist attractions;
- ◆ Exhibitions, swimming pools (ticket verification)

- ◆ Residential/industrial complexes, offices (access/attendance/payment)
 - ◆ Special passage control
 - ◆ Bicycle/motorcycle/disabled access gates
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