Bridge-Type Flat-Head Tripod Turnstile

Model: CST-T312

The bridge-type flat-head tripod turnstile is an intelligent access control device independently developed and manufactured by our company. By integrating different read/write devices, it enables smart control and management of pedestrian flow.

The entire product is constructed with stamped stainless steel panels, offering an elegant and durable design with rust-proof properties. Equipped with standard electrical interfaces, the system can seamlessly integrate with barcode cards, ID cards, IC cards, and other read/write devices. This ensures orderly and civilized passage for authorized personnel while restricting unauthorized access.
Additionally, to comply with fire safety regulations, the turnstile features an emergency power-off release function, allowing the barrier arm to drop during outages to facilitate rapid evacuation**.**

Technical Specifications:

- Structure: The entire body is constructed with stamped stainless steel panels, offering rust-proof, robust, and durable performance. The device is simple to operate and maintenance-free.
- Dimensions: 1200mm (L) × 280mm (W) × 980mm (H), exterior color: stainless steel
- Weight: 45kg
- Gate Arm Length: 500mm
- Gate Arm Direction: One way or two ways (optional)
- Operating Environment: Indoor/outdoor (recommended to install with a rain cover)
- Power Supply: AC220V ±10V, 50Hz
- Operating Temperature: -40°C to 80°C
- Relative Humidity: <95% (non-condensing)
- Maximum Passage Width: 600mm
- Passing Speed: 20 persons/minute (IC card mode)
- Input Interface:
  Signal: +12V level signal or DC12V pulse signal (pulse width >100ms)
  Drive current: >10mA
- Communication Interface:
  Standard: RS485 electrical
  Maximum distance: ⩽1200 meters

Functional Features:

1) Precision Locking Mechanism: Utilizes a unique transmission system for highly accurate and reliable zero-position locking/unlocking.
2) Smooth & Quiet Operation: The entire system runs with minimal noise and no mechanical impact.
3) Auto-Check & Recovery: Features power-on self-test and automatically resets to the locked state.
4) Flexible Modes: Supports multiple operating modes (bidirectional card reading, one-way entry with opposite side restricted/free passage), configurable via motherboard menu.
5) Power-Fail Safe: Barriers drop during power loss and can be manually lifted when power resumes.
6) Emergency Compliance: Auto-barrier drop (power-off) and lift (power restoration) meet fire safety and user-specific requirements
7) Standardized Integration: Unified electrical interfaces compatible with various read/write devices, enabling seamless system integration and remote PC management.

8) Traffic Statistics: Automatically counts passersby per direction and displays data via LED (optional) for real-time monitoring.
9) Visual Indicators: Clear LED signals guide users with "Pass" or "Forbidden" directions.
10) Configurable Card Memory: Supports memory/no-memory card reading modes, adjustable via motherboard keyboard
11) Capacity Control: Software settings limit total entrants to meet special venue needs.
12) Auto-Reset: Cancels entry permission if a user fails to pass within a set time (adjustable by administrators).

Note: When integrated with intelligent control systems, it enables smart access control, attendance tracking, and payment functions.

Applications:

Access Control: Manages unidirectional/bidirectional pedestrian flow at:
Transport Hubs: Train stations, ferry terminals, tourist attractions.
Ticketed Venues: Exhibitions, swimming pools.
Facilities: Residential complexes, factories, corporate campuses (attendance/access/payment systems).