



**BOLAN**

Bolan Security  
Your Safe, My Guardian

## INTELLIGENT AUTOMATIC

### *Tripod turnstile*

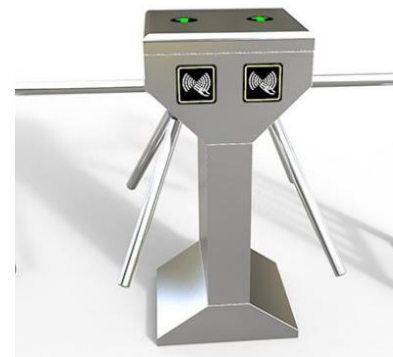
Tripod turnstile is an electro mechanical turnstile. Full-auto type unit with solenoid locking mechanism with electric motor. Semi automatic design without motor allows it to be more economical. Sturdy rock solid internal mechanical parts design maximize its durability for industrial usage.

Tripod turnstile can effectively control high volume human traffic ( up to 25 person per minutes ) while still maintaining a welcoming atmosphere. They can easily be integrated with any electronic system for ticketing, access control or time attendance. CF series is suitable for indoor&outdoor. They are optimized economical solution for railway, bus station, factory, colleges, commercial building, library, stadium, game park, bank and etc.

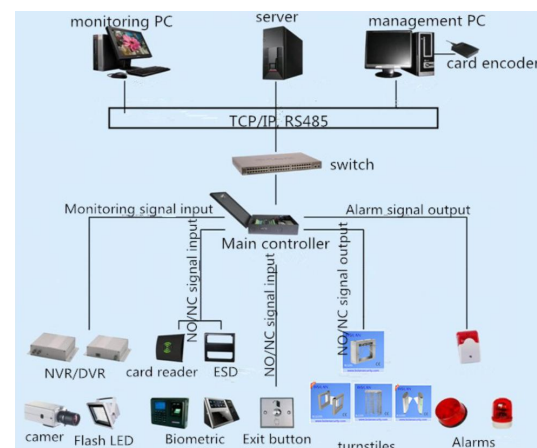
**I CHANNEL**  
INTELLIGENTIZE MANAGEMENT SYSTEM

## MODEL

### *BLS-T201/T201D*



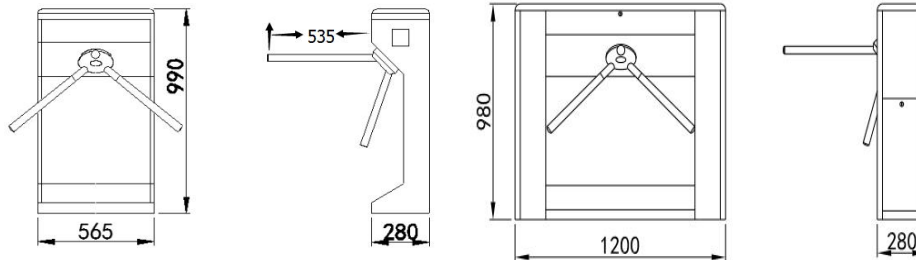
## SOLUTION



## TECHNICAL SPECIFICATION:

Description	Parameters
Lane Width	550-570mm
IP	IP54
Pass Speed	30 persons/min
Power supply	AC220V/110V,50/60Hz
Drive Mode	Motor drive
Max Power Consumption	200W
Opening time	0.6S
Humidity	≤90% coagulation free
Noise	≤50dB
Service Life	5,000,000 cycles
Outside packing	67x110x42cm/130x110x42cm
Working Environment	-20°C~+60°C
Gross Weight	45KG/65KGS/85KGS

## DIMENSION:



Vertical tripod turnstile

Standard tripod turnstile

## Features:

### 1 RELIABILITY

Alloy steel tripod hub prevents mechanical wear. Patented compact mechanism ensures the long life of the lubricating oil inside and high quality electrical components.

### 2 SEMI AUTO ROTATION

Its unique mechanical drive design allow the arm to be pushed effortlessly and auto-rotate back without any expensive electric motor. If arm rotated more than half, it will auto-rotate to the next idle position. If arm rotated less than half, it will auto-rotate back to the current idle position. Adjustable absorber controls rotation force to minimize loud sound and avoid over rotation.

### 3 EASY MAINTENANCE

Common parts are modular and can be easily changed by simply removing screws. Top cover can be opened for full access into internal mechanism during servicing. Regular wear and tear parts can be purchased to keep stock for faster replacement.

### 4 ANTI TAIL-GATING

Smart lock mechanism effectively allow only one person to pass through at a time. Arm will automatically relock back if nobody pass through after a preset delay time.

### 5 EASY INTEGRATION

Turnstile is triggered to open via dry contact relay output for bi-directional or uni-directional entry. RFID reader can be easily installed underneath side blackrylic. Top cover and side leg can be opened to install external devices.

### 6 USER FRIENDLY

LED at top cover indicates approved entry direction after flash card. During power failure, arm will drop automatically allowing free pass through. Arm is manually lifted up back to position after power resumed.

## ***Tripod Turnstile***

### ***Different types***

According to different control modules, this series can be divided into Fully-Automatic, Semi-Automatic, and Manual Type.

First, for manual type, it doesn't have electric control device. For automatic type, it can be compatible with card, finger print, bar code etc.

Second, for manual type, it is single direction. For automatic type, it is bi-directional.

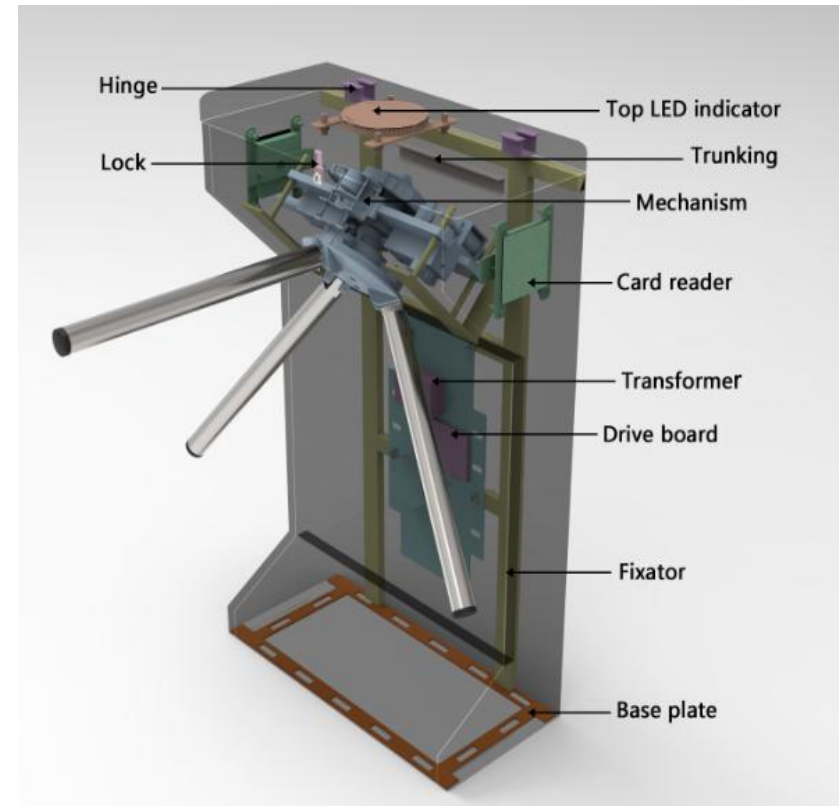
Third, for full-auto type, it is motorized. For semi-auto, it is solenoid.

Forth, for full-auto type, after card reading, the arm will rotate 10-15 degree. Passengers push it to pass. For semi-auto type, after card reading, passengers push the arm to pass.

Lastly, for full-auto type, when power failure, the arms will drop automatically, and when power on again, the arms will up automatically. For semi-auto type, when power failure, the arms will drop automatically, and when power on again, it needs people to lift it.

## ***Housing***

### ***Diagram***





## Status And Direction Light Indication

Green Arrow indicates that the turnstile is unlock to permit a passage and shows the direction of authorized passage;

Red Cross indicates that passage is not allowed and shows that the turnstile remains in locked status.

## Control Over Turnstile

From the remote control panel or a wireless remote control(in the pulse control mode).

From access control system via a controller (in either pulse or potential control mode).

The turnstile is a normally closed unit(N/C),it is remains unlocked until it receives a valid authorization or is unlocked with a mechanical release key.

If integrated into a fire alarm system,the turnstile can also be automatically unlocked by fire alarm signal.

## Operating Modes

Single passage in the set direction(the turnstile is open for one passage in the permitted direction and closed in the opposite direction).

Bi-directional single passage(the turnstile is open for one passage in each direction).

Free passage in the set direction(the turnstile is open for multiple passages in the permitted direction and closed in the opposite direction).

Free passage in the one direction,single passage in the opposite direction(the turnstile is open for multiple passages in the permitted direction and one passage in the opposite direction).

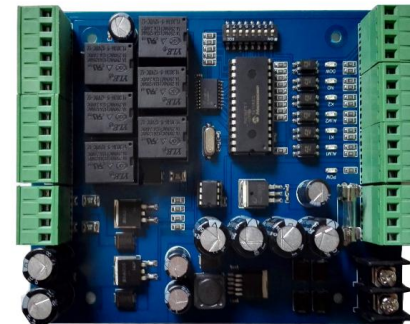
Always free(the turnstile is open for entry and exit).

Always locked(the turnstile is closed for entry and exit).

## Mechanism&drive board

Heavy-duty design for 24 hours continuous application,3 million times or above test.  
High durability with industrial parts.  
Runing is quiet without any noise&shock.

Self designed drive board adopts original Mitsubishi drive moduel.  
Capatitable with 3A-15A current.  
Over heat and overload dual protection.



## Materials

Turnstile Housing: high quality powder coating steel or stainless steel

Hub : mild steel

Barrier arms : polished SUS 304 stainless steel tube (38mm)

## Timeout Facility

The turnstile has a preset timeout period(the passage waiting time) when the turnstile is unlocked to allow a passage in the permitted direction.

A timed auto re-lock if the passage has not begun (if not rotated) over this period is a standard feature.

The passage waiting time in the pulse control mode is 5 seconds regardless of the control signal duration. In the potential mode the passage waiting time is equal to the control signal duration.

## Interface

” Fire Alarm ” control input to unlock the turnstile when an appropriate signal is received from fire alarm system or emergency button.

Relay outputs to connect remote light indicators, an intrusion detector, a siren and an emergency unlocking device.

Galvanic decoupling of the outputs to ensure noise-immunity of the turnstile electronic.

The logic is protected against short circuits, overloads and polarity inversion.

## Warranty

The warranty period is 12 months commencing from the date of sale.

## Housing Optional



**BLS-T301**



**BLS-T302**



**BLS-T401**



**BLS-T402**