



# **AFSS-01**

## **Flap Barrier Gate**

### **Introduction:**

The flap turnstile is a sophisticated access control system designed to ensure secure and efficient management of entry and exit. Its standard electrical interface supports various identification systems, such as ID cards, IC cards, magnetic cards, and barcode cards, allowing only authorized access while maintaining orderly flow.

Constructed with durable 304 stainless steel and equipped with plexiglass arms available in customizable colors, the turnstile combines strength and aesthetic appeal. It operates seamlessly with relay signals or RS485 communication and features bi-directional arm rotation, adjustable closure delays, and self-check functionality. Anti-rush mechanisms, auto-repositioning, and low-noise operation enhance its reliability.

Powered by versatile AC voltages and a 24V DC working power, the turnstile is suitable for indoor and outdoor use (with shelter) and performs efficiently across a broad temperature range and high humidity levels. Its sleek design and user-friendly functionality make it an ideal choice for environments like offices, metro stations, and event venues.

### **Parameters:**

01. Power Supply: AC220V±10V, 50Hz / AC110V±10V, 60Hz
02. Power Consumption: 100W/24V
03. Temperature: -15 to 60 degrees
04. Humidity: <95%, without condensation
05. Passage Width: 600mm
06. Passing Speed: 30 persons/min (normal open)
07. Arm Open/Close Time: 1 second
08. Input Interface: +12V electrical signal or impulse signal
09. Communication Interface: RS485 (distance: ≤1200m)
10. Material: Housing - 304 stainless steel; Arm - Plexiglass
11. Housing Dimension: 1200x300x1000mm
12. Arm Length: 280mm
13. Working Environment: Indoors or outdoors with shed

### **Main Functions:**

01. Problem self-checking function.
02. Arm Turning: Bi-directional.
03. Automatic opening of arm during power off; automatic positioning when power resumes.
04. Adjustable delay for arm closure (1-60 seconds) after valid card read, configurable via control panel.
05. Auto-reposition function: If a passenger doesn't pass the turnstile cancels the operation automatically.
06. Anti-rush function: If no open signal is detected, the arm holds firmly.
07. Stable running with minimal noise.

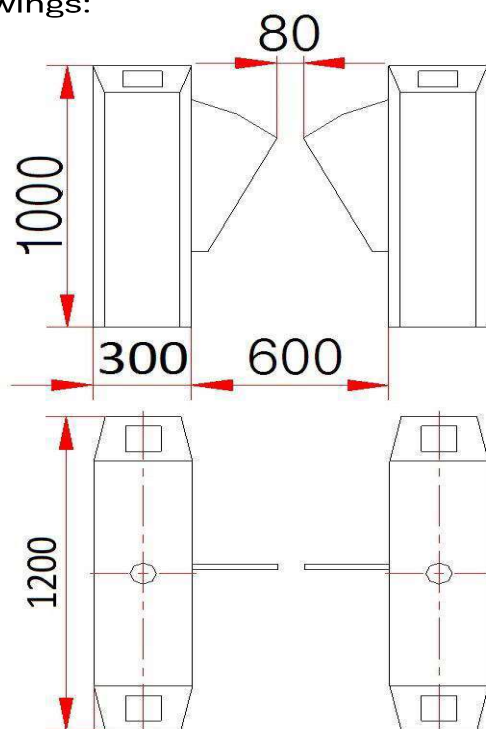


## Material:

- 201 stainless steel
- 304 stainless steel
- 316 stainless steel

## Structure:

- Dimension:  
1200×330×1000mm
- Arm Color:  
Transparent  
Blue  
Red  
as per customer drawings
- Drawings:



## Finishing:

Brushed  
Grit Satin  
Hot-Galvanized  
Powder Coated in Colors

## Constructions:

Turnstile Arm: Plexiglass  
Guiding Elements: Inside and Outside  
Light Metal Casting: Natural anodized  
Portal Frame: Made of steel with space reserved for installations

## Working Principles:

The arm opens automatically when a relay signal is sent to the turnstile.

## Power Supply:

220V AC @ 60Hz  
230V AC @ 50Hz  
110V AC @ 60Hz  
220V AC @ 50Hz  
Working Power: 24V DC

## Controlling Way:

Relay Signal  
RS485

## Application:

Suitable for places that require controlled entry and exit.

