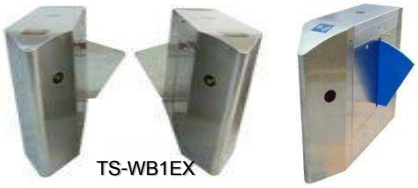
MODEL : TS-WB1AX
TS-WB1BX
TS-WB1CX
TS-WB1DX
TS-WB1EX

ACCESS CONTROL

FLAP BARRIER

www.turnstilecenter.com

Access Control System



Flap turnstile(Flap barrier) is a high-tech product aimed at the pedestrian access intelligent management, which is a upgraded product based on intelligent tri-turnstile, swing barrier. This product is well-processed with full functions, high grade, and mainly used in high grade places such as top-grade community, intelligent mansion, hotel, subway, port, club etc. The product integrating with mechanism, electron, microprocessor and various identification technology is compatible with card reader devices such as RFID card, Finger scanner , bar code, computer and so on. By configuring all kinds of identification devices and adopting reliable safeguard devices, alarm devices, direction indicator etc., it is able to achieve access intelligentized control and management.

❑ Function and characteristics :

- With function of self-examine and alarm, it is convenient for maintenance and use.

- Being able to program running status by the small keyboard in the main board

- Flap door will stop move when it is being blocked, which prevent pedestrians from being nipped and from hurt.

- Light and sound alarm is generated when the illegal invasion and the tail followed.

- Arms are automatically locked until opening signal is received.

- Arms synchronization (adjustable)

- Automatically reset function: It will automatically lock if the pedestrian hasn't pass through the channel in the pre-set time after the opening. The passing time is adjustable.(default time is 10sec.)

- Automatically open the gate when power off and automatically close when power on.

- Several readers devices are attachable.(IC, ID access control, fingerprint access control, barcode ticket access control, facial identification access control, time attendance machine etc.)

- One direction or bi-direction are optional.

- It can be directly controlled and managed by remote control.

FLAP BARRIER

▪ TEL. 021054034
▪ www.turnstilecenter.com , Email : sales@dollysolutions.com

DOLLY SOLUTIONS CO., LTD.
111/47 Bangraknoi , Meung ,
Nonthaburi 11000

Working Principle

The Flap Barrier divides an area into a secure and non-secure side. The barrier will only allow access after authorization from an access control system or a signal from an external control panel.

Normally Closed Working Mode (Default)

IN NC mode, after authorization by a card reader, biometric or other authorization system, the Operate symbols on top of the unit changes from a red cross into a greed arrow. The user can now step into the lane. Detection cell will detect the user and the arms open. Along the way the cell follow the movement of the user. After passing finish, it will close immediately. To allow larger capacity through the Flap Barrier, the authorized number can be memorized. If no one passes after arms opened , it will close again, after the preset time has elapsed.

Normally Open Working Mode

IN NO mode, the arms will always open and only closes if an unauthorized user steps into the Flap Barrier. After authorization the display on the top plate shows a green arrow and the user can walk through the lane. The arms will remain open after passage.

Standby
Intrusion Alarming

When the barrier is on standby, an intrusion is detected as soon as there is an obstruction of cell.
Alarming time:3s

Following After Authorized Passage
Intrusion Alarming

After the passage of the barrier by an authorized person, another person following in the same direction and without authorization causes an intrusion
Alarming time :3s

Counter Direction
Intrusion Alarming

The intrusion is declared when a person is authorized in a direction while a passage in the other direction is in progress
Alarming time:3s

Stay
Intrusion Alarming

After the authorized and detected have gone into the access but don't detect finish the passage. The barrier will keeping open and waiting 25s. Then barrier will output stay intrusion and close in 30s. Unless passenger block the safety detection cell, the arms will close when he leave the detection cell.
Alarming time: start at 25s after detection gone into the access

- **TEL. 021054034**
- **www.turnstilecenter.com , Email :** sales@dollysolutions.com

DOLLY SOLUTIONS CO., LTD.
111/47 Bangraknoi , Meung , Nonthaburi 11000

Technical Specifications

❑ Main structure and configuration:

Single mechanism type

Double mechanism type

❑ Extendable functions:

- Counter(optional)
- The length of the housing (length 1.2m, 1.4m, or 1.6m are optional)
- The material of flap arm (organic glass, resin, PVC etc. optional)
- The color of the flap arm (red, blue, yellow, colorless, etc.)

❑ Detection Logic and alarming:

The standard Flap Barrier is equipped with several sets of detection cells on each side of unit. All the detection cells are in the position where they will most accurately detect intrusions according our rigorous defining. When detective any intrusion, the alarming will be triggered. Use an audio and visual alarming with corresponding output.

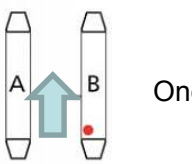
❑ User Safety:

We also define several cells to detect obstruction during its movement. If an obstruction is detected during closing, the arms wing will stop its movement to prevent the user from being clamped. The speed of the door wings is adjustable, within the limits of the safety standards. For maintenance reasons, an internal counter is integrated, assuring timely service and maintenance.

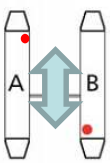
❑ Emergency:

The Flap Barrier is a failsafe security barrier. In case of power failure the arms will open automatically. If a fire alarm system or other alarming signal is input by according ports, the barrier will also open automatically.

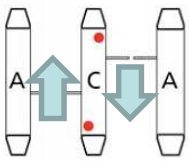
❑ Lane Configuration

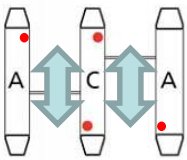


One way



Two way





● Access Control (Card reader,FingerScan)

▪ TEL. 021054034

▪ www.turnstilecenter.com , Email : sales@dollysolutions.com

DOLLY SOLUTIONS CO., LTD.
111/47 Bangraknoi , Meung ,
Nonthaburi 11000

FLAP BARRIER

MODEL : TS-WB1AX / TS-WB1BX / TS-WB1CX / TS-WB1DX / TS-WB1EX

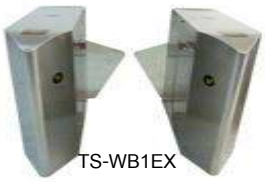
Technical Specifications


TS-WB1BX


TS-WB1AX

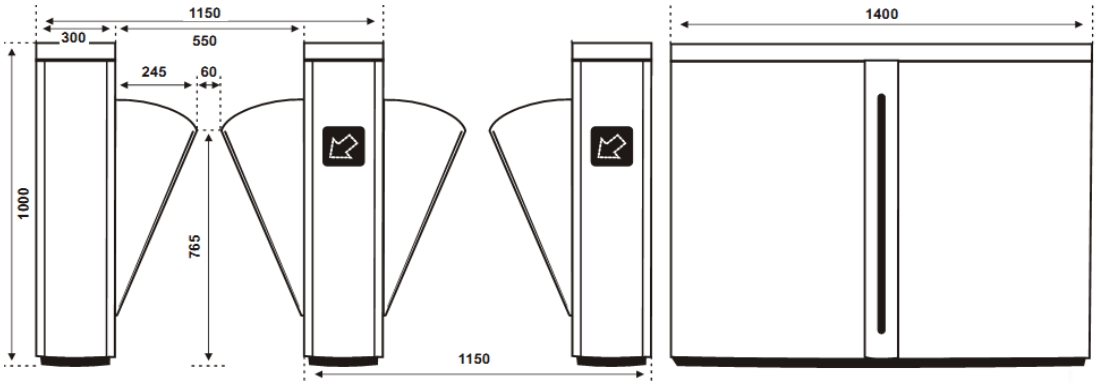

TS-WB1CX


TS-WB1DX


TS-WB1EX

Framework.	**Casework**: 304 grade stainless steel **Flap door**: Organic glass, or Resin ,PVC
Dimension	**TS-WB1CX** : 600 x 300 x 1000 mm **TS-WB1BX** : 1200 x 300 x 1000 mm **TS-WB1EX** : 1200 x 300 x 1000 mm **TS-WB1AX** : 1400 x 300 x 1000 mm **TS-WB1DX** : 1400 x 300 x 1000 mm
Motor	DC brush electromotor 24V
Maintenance windows	**Single type** : 2 ; **Double type** : 4
Card reader windows	2
Time for opening or closing	1 sec.
Starting time after power on	3 sec.
Input Interface	- Dry contact (Relay) - +12V level signal - DC12V pulse with width of more than 100ms ,driving current > 10mA
Max Flow Rates	30-40 Persons / Min.
Max Power Rating	50VA
Normal available life	3,000,000 times

Installation



▪ TEL. 021054034
▪ www.turnstilecenter.com , Email : sales@dollysolutions.com

DOLLY SOLUTIONS CO., LTD.
111/47 Bangraknoi , Meung ,
Nonthaburi 11000