FB1032S& FB1032D *Flap Barrier*

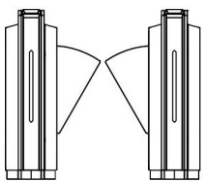
Flap Barrier for Access Control and Passenger Separation

The retractable flap barrier controls pedestrian access between public and secure areas. Flap barrier lane adopts an array of optical sensors to determine the number and direction of persons passing through.

Flap barrier system provides with a standard electric interface and can easily integrate common 3rd party equipment with read facilities.

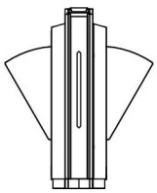
As a result, an orderly and civilized passage is provided for the personnel in and out, and illegal personnel can be barred. At the same time, a special fire control interface is equipped in the system to meet the requirement of fire control passage, so that retractable wing to reach inside may be realized in emergency for.

SINGLE MECHANISM FB1032S



Wing barrier only equipped with single in the cabinet

DOUBLE MECHANISM FB1032D



Wing barrier equipped with double in the cabinet

*EXAMPLES OF CONTROL UNITS **

FB1032S& FB1032D

Flap Barrier

- Extensive functions and intuitive operation
- Simple integration of all common access control systems
- Gates open freely permits passage during power outages or alarms
- Designed for 7 million opening and closing actions

TECHNICAL SPECIFICATION	FB1032S	FB1032D
Unit classification	Single mechanism	Double mechanism
Housing material	SUS 304 stainless steel with paint finish	
Housing Dimensions	L1600*W150*H980 MM	
Barriers material	Different color acrylic	
Barriers width	250MM	
Passageway width	550~580MM optional	
Orientation	Single or Bi-Directional	
Drive	Motorized	
Voltage	AC220V±10%, 50Hz±10%	
Logic Voltage	24VDC	
Motor	24VDC brushless motor	
LED direction indicator	yes	
Infrared sensors	4/5/7 pair/lane optional	
Opening/closing time	0.2 seconds	
The time required to running state after power on	10.0 seconds	
Auto-reset time after failure	10.0 seconds	
Input port	Relay contact signal or level signal	
MTBF	7 millions	
Communications port	RS485 electric standard, communications range: ⩽1200m.	
Flow Rates	30 persons/min	
Relative humidity	5% ~ 90% not condensed	
Working Environment	Indoor or outdoor (with shelter)	
Temperature range	from -15 °C to 60°C	

OPTIONS	
Housings	Customer-specific adaptations
Barriers elements	On request
Special colors	On request
Reader mounting	On request

POTENTIAL APPLICATIONS	
Building Sites	Parks
Museums	Hotels
Retail outlets	factories
Railway Terminals	Loss Prevention

FEATURES & FUNCTIONS	FB1032S	FB1032D
ZERO self-check function to convenient for users to maintain and use.	√	√
Audible signals for unauthorized use notification	√	√
Impact-resistant function: the barriers can automatic lock until a valid open signal is received.	√	√
Operation: on receiving a signal from the access control system or push button, the barriers to open.	√	√
Infrared detection sensor: The device uses several infrared sensor transmitter and receiver. The sensors are positioned at two different heights to defend against people trying to roll/crawl through the lane without being detected.	√	√
Reset automatically function: Go signal will be cancelled if people didn't pass through within pre- set time.	√	√
Direction indicator function: Traffic lights on both sides of the flap barrier are the indicator of access status, When the traffic lights show green, it means to pass and the red light means no-entry. The traffic lights on both sides can be set to indicate access for left or right or bi-directional.	√	√
Sensors & mechanical dual anti-pinch function: Auto-alarm will activate for unauthorized pedestrian movement and tailgating. The barrier uses several photo sensors to prevent swing gate closure on a person while inside the lane.	√	√
When power failure, it will be opened the gates automatically to meet the request of fire protection.	√	√
Integrated pulse counter with separate counting for both sides (optional)	√	√
With interface of relay contact, compatible with all the access controller	√	√
Via management computer to realize remote control and management.	√	√
Use Wechat MINI program which independently developed by our own company to connect the bluetooth, to implement control and parameters setting of the turnstile system. (customized)	√	√

CUSTOMIZED FEATURES:

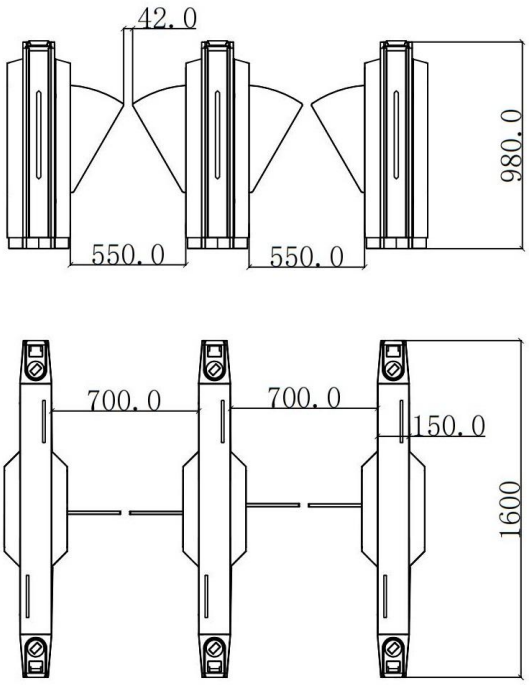
- ✧ Customize non-standard application according to the needs of users
- ✧ Reader integration
- ✧ Access Control System Integration
- ✧ Visitor System Integration
- ✧ Camera system integration
- ✧ Wireless remote control button

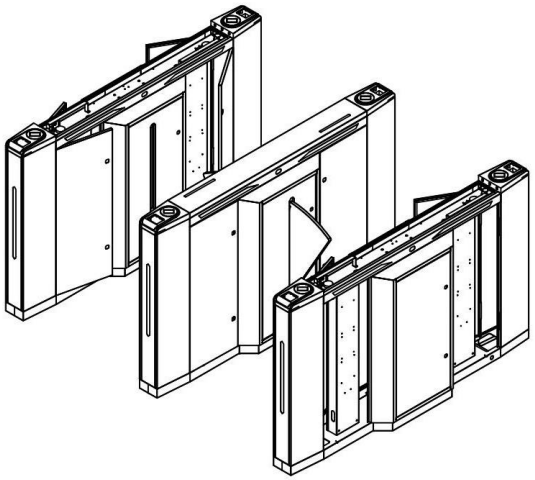
OPERATION MODELS

The flap barriers provide bi-directional access control, each direction may be in one of three states:

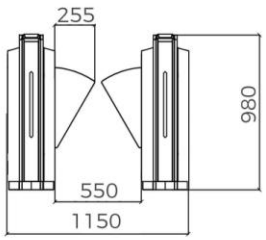
Free passage	All people are authorized to pass through under all conditions.
Controlled access	Every person must use a card before being authorized to pass through.
Lane closed	Nobody is authorized to pass through, and security cards are ignored.

DIMENSIONAL DRAWINGS

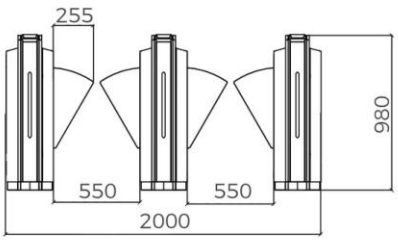




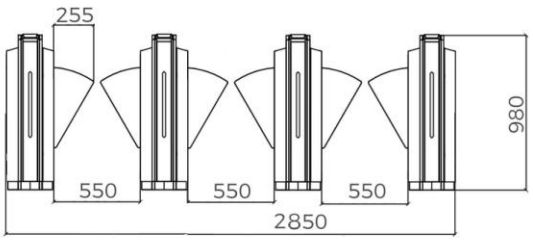
LINE CONFIGURATION WITH COMBINABLE MODULES



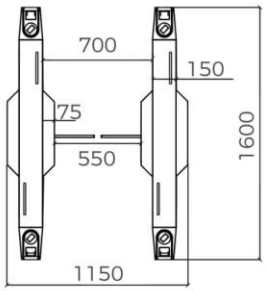
One Lane



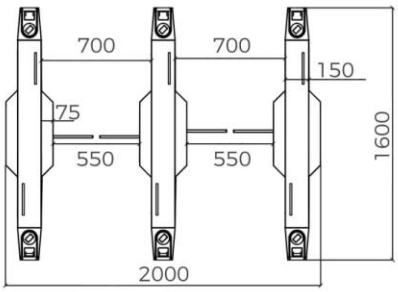
Two Lanes



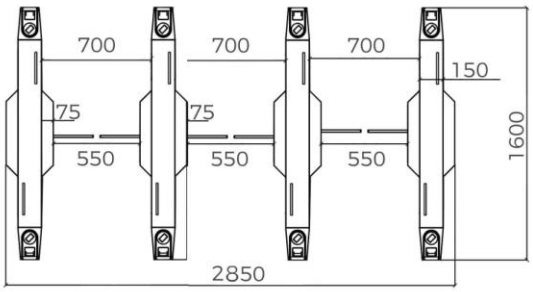
Three Lanes



One Lane



Two Lanes



Three Lanes