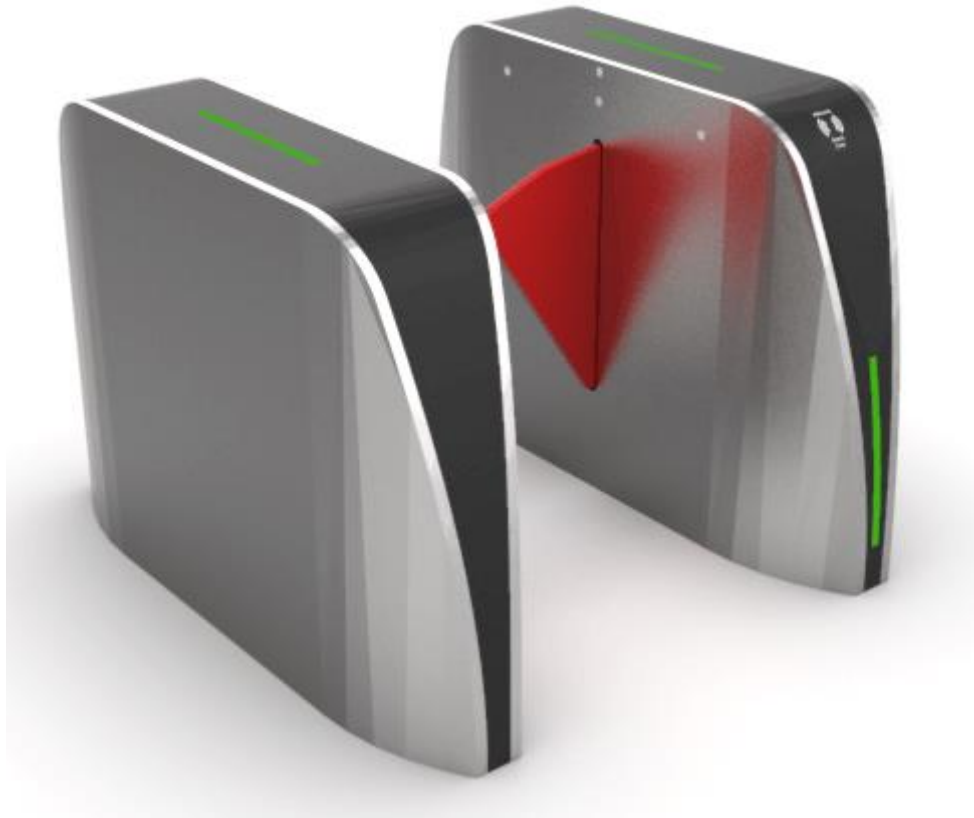


MSS-WG2200

SS316 Single Machine/Dual Machine Flap Turnstiles

Rev 2.1.2019



LED direction guide Anti-clamping function

Illegal infiltration & tailing alarm Available handicapped lane

Indoor (recommended) & Outdoor application Alternative material & thickness of ply

Adjustable working mode and opening time Emergency & power outage automatic retract

PRODUCT SPECIFICATION

Marc Corporation Pte Ltd, located in 48 Toh Guan Road East, Enterprise Hub, #05-154, Singapore 608586 is the manufacturer for all types of turnstiles, namely, Half-height, Full-height, Flap Barrier, Swing Gate, Slide Gate, Tripod Turnstile, Speed Gate, Hydraulic Bollard and Road Blocker under MSS® brand name.

Our products are combination of high quality material, durable motor, ergonomic design and modern looking. They are able to control the assessment of public and manage the level of authority while still enhance the elegancy and presentation of any buildings, public locations or individual assets.

Customization on alternative material, finishes, design, size and system integration are accessible with the help of our experienced engineering and s technical team.

Description

MSS-WG2200 is SS316 single machine/dual machine flap turnstiles that can combine to found one to more lanes to enforce one-by-one enter and exit.

It uses 5 pair of infrared sensor at both side to avoid tail-gating and unauthorized violation and has standard electrical interface to integrate with common access control system equipments and 3rd party facilities such as Card reader, Bar-code Scanner, Finger-print & Facial recognition, Iris recognition, Card collector, Token reader for the purpose of authority management and toll collection.

The flap barrier was design for smooth and silent operation, convenient and safety to use.

Standard body material is specially made of SS316 stainless steel for rigid, long-lasting and marine weather durable. SS316 can protect the turnstiles against salt corrosion and destruction at onshore and coastal environment.

MSS-WG2200 is all gear core, finished by dading technology and black or transparent baking. Its swing arm is made of PU Soft barrier model & Acrylic.

Models

MSS-WG2200 (Single machine): Single machine flap barrier with one retractable flap.

MSS-WG2200 (Double machine): Double machine flap barrier with two retractable flaps on both sides.

Operation

MSS-WG2200 is held in locked position when electrical power is on to control the access of public to secure area. When system is validated by user access card or recognition or active payment, the flap barrier retracts to allow one-by-one traffic.

The flap will be retracted when electrical power off for unencumbered exit for safety of public in event of emergency, fire and accidents.

Products can be set as controlled or free access in one direction or both directions by array of sensors on its bodies.

Traffic lights on both sides of turnstile barriers indicate the direction and status of access by arrow and its color. In which direction of arrow shows the direction of traffic while 'green' color means authorized and 'red' color means unauthorized.

Standard functions

- Automatically reset function
- Ability to set up running status of device through pressing small built-in keyboard of main control board
- Ability to choose different operating model (bi-directional, single-directional)
- Equipped with infrared photo beam sensors and anti-folding mechanical to protect passengers from injuries (Anti-pinching)
- Positioning infrared sensors at two different heights level to prevent abnormal access (roll/crawl) and violated intrusion
- Anti-tailgating – to avoid one trying to pass by closely moving behind another
- Anti-reverse intrusion – to avoid one trying to pass in opposite direction of allowed direction
- Audible alarm when detecting unmoved obstacle
- Audible alarm for violation and un-authorized access
- Ability to lock at closed position to prevent force intrusion
- Time out closing feature to close entrance after a period of time without no access after an authorization (by default = 10s)
- Emergency/power outage escape, automatically retract flaps to open freely in case of emergency/power outage
- Standard fire alarm input interface (N.C normally close contact)
- Multiple reader integration: Card reader, bar code scanner, finger-print detection and facial recognition at one tripod
- Selectable operation mode: Free access (automatically open whenever detecting passenger by infrared beam), Controlled mode (only open for valid access authorization) in one or both direction.
- LED indication of direction and authorization status
- Able to set up multi-lane combination of handicapped lane and normal lane
- Available normally open and normally close mode
- Smooth operation with low noise and low mechanical impact
- Interface with peripheral computer for programming

Optional features

- Passenger counter display
- Audio and visual alarm
- Remote-control button
- Access control integration
- All-in-one card: Card access controller, Elevator controller, Turnstiles controller, Parking controller.

TECHNICAL SPECIFICATIONS

Specifications

Housing material	316 stainless steel
Power voltage	AC220V±10%, 50Hz±10%
Driving motor	24V DC brush motor
Main-board voltage	12V DC
In-built Infrared	5 pairs/passageway
Passing speed	35-45 persons/min
Passage Width (normal)	530-600mm
Passage Width (wide)	850-900mm
Swing Arm Material	Acrylic/PU Soft Plastic
Direction	Single / Bi-direction
LED indication	Direction/ Arrow
Flap gate opening / closing time	0.6 seconds
The time required to running state after power on	3 seconds
Automatic reset time after the failure	10 seconds
MTBF	3,000,000
Operation temperature	-10°C ~ +50°C
Relative humidity	Less than 90% not condensed
Working Environment	Indoor/Outdoor (with rain-tent cover)
Input port	Dry contact signal or +12V level signal or DC12V pulse signal with a width of more than 100ms, driving current >10mA.
Communications port	RS485, TCP/IP
Optional control panel with count and LED digital function	
Optional control panel with alarm and sounds indication functions	
Emergency and Traffic-light function	
Optional finish: satin finish/polishing/frosted finish/electro-plating/baking finish.	
Optional material, thickness of cabinet, type of motor and customized design on request.	

Dimensions: L1600mm x H1030mm x W280mm (single machine)
 L1600mm x H1030mm x W300mm (double machine)

