



**A leading security barrier-turnstile-gate manufacturer in Singapore**

producing reliable and well-engineered pedestrian barriers to fit all building types, providing security and deterrence to unauthorised personnel access into restricted areas. Its sleek, elegant outlook coupled with contemporary industrial design styling and use of top-grade engineering materials and cutting-edge technology ensures an uncompromising yet economical and effective solution to every building security needs.



Product of  
**SINGAPORE**



# **RapiDlane**

**BARRIERS - TURNSTILES - GATES**



**SECURITY**



**SPEED**



**SAFETY**

1st in the world to develop Single Drop Arm Barrier in 2004  
1st in Singapore to install Drop Arm Barrier with Biometric Reader in high-rise buildings in 2002



*A leading pedestrian barrier manufacturer in Singapore*

**RAPIDLANE**  
BARRIERS TURNSTILES GATES

**ELID** is a leading pedestrian barrier manufacturer in Singapore. We have a team of designers and R&D engineers who can design, prototype and manufacture sleek and elegant customized barriers, turnstiles and gates to your exact specifications and needs in our very own factory in Singapore. Be rest assured that the finest materials are used combined with state-of-the-art fabrication facilities by our highly experienced craftsmen to produce the best quality products to meet your requirements. Our products include: Drop Arm Barriers, Flap Barriers (swing & retractable versions), Full Glass Barriers, Turnstiles, Drop Flap Barriers and Auto Swing Glass Gates.



Half Height Turnstile



Flap Barrier/ Auto Swing Glass Gate



Full Height Turnstile

**SECURITY****SPEED****SAFETY**

The Pedestrian Barrier and Turnstile are designed to control access to personnel entering or exiting restricted premises, usually under surveillance. It may operate with Card Access, Token Acceptors, Biometric Readers etc.

### Mode of Operation

- Single Direction (one-way movement)
- Bi-Directional (two-way movements)
- Auto/ Manual Switching of 'Entry to Exit' and vice-versa.

### Areas of Application

Train Stations • Passenger Terminals • Ferry Terminals  
Railway Platforms • Checkpoints • Airport Terminals  
Sport Stadiums • Factory Production Areas  
Recreational Facilities • Office Buildings • Condominiums



Flap Barrier/ Auto Swing Gate



Drop Arm Barrier



Swing Barrier

# RAPIDLANE

BARRIERS - TURNSTILES - GATES

## Technical Specifications



- Specially-designed motor with adjustable speed
- State-of-the-art infra-red sensor beams to detect movement and prevents tailgating
- Multi-alarm alert connectivity in the event of unauthorized entry - various output signals can be programmed to control lifts, doors, cameras etc.
- Safety beams in place to detect personnel passing through barrier to prevent flap or arm from closing
- Fail-safe mode - compliant with Fire Alarm Regulations by automatically lifting the barrier for free access in the event of fire alarm activation
- PLC - Programmable Logic Board to set various functions, sensor controls, reader interface, LCD, software, Fire Alarm Panel etc

### Housing

- Stainless steel grade SS304 or SS305
- Hairline or non-directional finish
- Thickness: 1.5mm or 2 mm

### Specifications

- Protection: IP55
- Voltage: 230/50hz
- Throughput: 15 to 30 p/min

### Materials of Flap

- Glass: Temper-proof with clear or sandblast finish
- Acrylic: Clear or sandblast finish

### Motor

- Voltage: 12-24V DC/ 30W
- Speed: 2500 rpm
- Reduction Ratio: 1:65
- Open/Close Time: 0.3 to 1 second
- Frequency: 50/60 Hz
- Current: 2.2A
- Temperature: -10° to +50°C

### Motor for Full Glass

- Output: 40W
- Current: 0.38A
- Starting Torque: 270 N-m
- Rated Torque: 315 N-m
- Rated Speed: 1250 r/min
- Capacitor: 3.5  $\mu$ F



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