



Acrylic gate with waterfall ends

HIGH SECURITY

- Detects and deters tailgating
- Barrier up to 34" AFF
- Electro/mechanical gate
- Crawl over detection

SAFETY COMPLIANCE

- Emergency egress operating mode
- Arms/gates open in the direction of travel
- Do no harm arm operation
- No pinch points
- Meets ADA and Life Safety codes

SLIMLINE
BARRIER TURNSTILES

OPTIONAL END AND BARRIER CONFIGURATIONS



Round end

Sloped end

Square end



Acrylic gate
 ES8300

Single arm
 ES8301

Dual arm
 ES8302

THROUGHPUT

- 1 second open/close time on barriers
- Barriers do not have to close after each passage
- Pictograms for easy visual cueing
- Can stack cards in memory

ROI

- Low cost of ownership
- 3 year warranty covering all mechanical and electronic components, 4 year warranty with commissioning
- Retrofittable upgrades
- Units and parts designed & manufactured in the USA

AESTHETICS/CUSTOMIZATION

- Modern design (8" wide bollard)
- Multiple barrier & end options
- Wide variety of finishes and paint colors
- Hand assembled in our Texas facility
- Customizable to fit building decore

Designed for use in building lobby applications where higher security, high speed throughput and interior aesthetics are priorities. The Optical Turnstiles with Barrier Arms provide a visual as well as psychological barrier which communicates to pedestrians that authorization is required before entering the secured area. These units will monitor high throughput traffic flow of up to 60 people per minute per lane while optical sensors and barrier arms ensure only one person entry for each authorized I.D. credential presented.

SLIMLINE TECHNICAL SPECIFICATIONS

Pedestal dimensions

- Height: 38"
- Width: 8"
- Length: 54"

Barrier dimensions

- Acrylic: 38"h x 17"w x 3/8"
- Machined arm: to spec
- Round bar arm: 1½" dia

Materials

Top: 304 stainless steel
Side: 304 stainless steel
Barriers: acrylic or aluminum

Outputs

N/O - "Alarm Condition"
N/O - "Passage Completed"
N/O - "Passage Aborted"
(after valid card read)
N/O - "Invalid Card"
N/O - "Bypass"

Inputs

N/O - Momentary "Entry Granted" (max. 1 sec. Pulse Closure)
N/O - Momentary "Exit Granted" (max. 1 sec. Pulse Closure)
N/O - Momentary "Invalid Card"
N/O - Maintained "Lane Bypass"
N/O - Maintained "Emergency Situation"
N/O - Maintained "Arm Operation Disable"
N/O - Maintained "Card-In/Free-Exit"
N/O - Maintained "Entry Closed"
N/O - Maintained "Exit Closed"

Power requirements

24 VDC @ 4 amps/
Walkway

Lane width

- ADA lane: 36"
- Single lane: 24"

Operating modes

- Card in/card out
- Card in/free exit
- Free entry/card exit
- Free entry/free exit

Display

LCD
Infographic display

Throughput

60 people per minute
(response time from access control is the determining factor)

Tailgate detection

1/4" minimum between individuals

Reliability

5,000,000+ cycles under normal conditions

Options/accessories

- On-site commissioning
- Floor plates
- Infills
- Desktop controller
- Reader & scanner mounting options
- Locking arms

Barrier options

Acrylic barrier
Machined aluminum (single or double arms)
Round tube aluminum (single or double arms)

End options

Round end
Sloped end
Square end
Waterfall end

CRITERIA FOR DESIGNING AN OPTICAL TURNSTILE WALKWAY

Determine the number of walkways required based on the desired pedestrian throughput and space availability. A conservative estimate of pedestrian throughput is 30 people/min. This figure assumes the use of a fast response (1/4 sec.) card reader system.

Walkway bollards should be spaced 24" - 37" apart. Wider spacing results in pedestrians attempting to pass through the lane two - abreast, resulting in a high incident of alarms.

OPERATION

DSI barrier arm turnstiles are designed to work in a normally closed position. Arms open upon a valid access control input. Once open, a valid user can then pass through the lane. The barrier will then close quickly behind the user or stay open if another valid input is in the queue. An alarm sounds and a dry contact closure is initiated if an unauthorized user tries to push through the barrier or pass through (piggyback) behind a valid user. An emergency input is available and will open the gate and provide a visible and audible indication to aid in evacuation.

ADA COMPLIANCE

DSI barrier arm turnstiles are compliant with ADA and NFPA life safety codes. Standard lane width is 36". All units have visual and audible feedback.

SLIMLINE ES8300 SERIES DIMENSIONS

(standard 36" single lane with gate)

