

Waist height turnstile

BLS-WH51



Features

- **Auto-unlock for emergency:**

In the event of a power failure, the arms automatically unlock and retract, complying with emergency egress regulations.

- **Anti-tailgating and**

Anti-reverse Function: 90° or 120° rotating barrier arms keep only one person pass through, anti-back mechanism systems prohibit passing in the opposite direction.

- **Anti-pinch safety**

mechanism : prevents rotor jamming or pedestrian entrapment mid-rotation in the event of sudden power outage

- **Mechanism with hydraulic**

shock absorb: operating more stable and without noise, longer lifetime

- **Auto-locking :** triggers self-locking in 30 seconds (adjustable) if the gate detects an open signal but no pedestrian passage occurs

Solutions:

- Access control and time attendance system: RFID card/wristband, biometric/face recognition, computer with management software can also control directly
- Ticket system: QR code, wristband/ticket
- coin/token collector or RFID card/wristband insert
- Exit button
- Wireless remote control
- Manual keys

Technical Specifications

Parameter Items	Specifications
Material	304 stainless steel or carbon steel/201 stainless steel powdered coating colors (colors optional, anti-rust, anti-corrosion) 316 stainless steel optional
Overall Dimensions	Standard: 1400/1500mm (length) × 1400mm (width) × 1200mm (height), can be customized
Passage Width	550-650mm (customized according to needs)
Arm Dimensions	Three arms or four arms, 610mm Length(can be added), 38mm diameter
Rotating angles	90 or 120 degrees
Passage Speed	25-35 persons per minute
Working Voltage	AC110V/ 220V ± 10%, 50Hz
Drive Voltage	DC12V+DC18V
Operating Power	≤ 30W (energy-saving)
Working Current	≤ 2000mA
Input signal	12V DC level or 12V pulse > 100ms
Interface	Input: Relay signal Output: Dry contact compatible with most of access control devices on the market RS485, TCP/IP
Protection Level	IP54 (suitable for indoor and outdoor use) IP68(suitable for harsh environment)
Working Temperature	-20℃ ~ 60℃ (adapts to various climates)
Power Failure Handling	Automatic unlock to ensure pedestrian pass;automatic lock when power on. If for special sites, we also can change it.(prison, government institution etc high security requirement sites)

Customization options:

- Custom design & dimensions – tailored to on-site layout and project needs
- Versatile materials & finishes – 304/316 stainless steel, powder-coated carbon steel (custom colors); brushed, snowflake, mirror, matte textures; anodized aluminum (select models)
- Logo customization – stainless steel nameplates or silk-screen printing
- Flexible LED indicators – fixed red "X"/green arrow or dynamic flowing lights
- Reader window customization – size, shape, logo/slogan printing available
- Rotor options – 3/4 arms; straight/U-type pipes; stainless steel/acrylic panels
- Optional arm casings – full stainless steel welded or PVC covers
- Optional audio alarm system – on-demand integration
- Portable solution – optional welded carbon steel base for temporary/relocatable use
- For more details, visit our Customization Services page or contact us for special requests

Applications:

- Suited for applications requiring strict access and high levels of security
- Used extensively in applications such as train stations, stadiums, exhibitions centers, factory entrance

Dimensions:

