

## **WD1621**

### **Two Passages Turnstile**

The WD1621 full height turnstile is designed to provide unsupervised access control into and out of high security facilities for two passages together. The impenetrable construction virtually eliminates any unauthorized entry to restricted areas.



(Picture for Reference)

The WD1621 full height turnstile consists of rotor assembly, shield assembly, barrier section, mechanical and electronic parts, and ceiling plate.

#### **Material and Structure:**

1. The rotor assembly consists of steel tubing with diameter 63mm as the rotor post.
2. All arms are diameter 32mm steel tubing. Each arm end is closed.
3. The shield assembly is constructed from vertical and horizontal tubing with diameter 38mm and 32mm. All components are welded to form a one-piece construction.
4. The barrier assembly is designed to prevent passage in the reverse direction. It is fabricated using a 100mmx50mm vertical post with the horizontal diameter 32mm tubing arms welded perpendicularly to the post.
5. A self-lubricating bottom bearing is provided for ease of rotation.
6. The ceiling plate, fabricated with steel plate fixed with mechanism and electrical device together, and spans the shield assembly, providing stability and support for the turnstile..

### **Finishes:**

1. For the WD1621S, all the rotor assembly, barrier arm, ceiling plate are the SUS304 stainless steel.
2. For the WD1621P, all the rotor assembly, barrier arm, ceiling plate are the carbon steel, and are hot-dipped galvanized. All surfaces are powder coated to grey white color, or customer designated color.

### **Operation:**

1. The WD1621 full high turnstile will allow two passages enter or exit.
2. The turnstile arm moving direction can be changed on site, e.g. the clockwise or the counterclockwise moving.
3. The rotation interval is 120 degree.
4. The operation time: 2.5-3 seconds.
5. The turnstile can be used as the free moving after disassembly rotor connection easily.
6. After the open signal is given, the turnstile moves about 15 degree, pause, then moves to next position.
7. During turnstile moving, the turnstile can be moved to reverse direction by small reverse power, also can be stopped by small power, less than 1 kg, to maximum body safety.
8. Electronic control board can connect any access control device, with the several interfaces.
  - Relay signal interface.
  - Voltage pulse signal interface.
  - RS485 interface.
9. Can connect the direction indicator.
10. Main power supply: AC 220V, 50Hz
11. Operating environment: -15°C--+60°C, RH: less than 95%
12. Dimensions:
  - Passage dimension for one gate: H2250mm, W1600mm, D1465mm.
  - Overall dimensions for two gates: H2465mm, W2550mm, D1465mm.