

NEW! TYTAN SR Smart Turnstiles SR1, SR2 & SR3



Description

The TYTAN SR Rated Enclosed Turnstile is a high-security, full-height pedestrian control system, independently certified to LPS 1175: Issue 8. Designed to deliver controlled, bidirectional access within secure perimeter lines, the system features a robust mild steel enclosure, 3-wing CHS rotor, and electro-mechanical Turnitec head mechanism. Built to withstand forced entry attempts while maintaining smooth, reliable operation, it is ideal for high-security commercial, industrial, or utility sites requiring SR1 to SR3 protection.

Certification & Compliance

- **LPS 1175: Issue 8** – Certified to Security Rating SR1, SR2, or SR3 depending on configuration
- Designed and manufactured in accordance with:
 - **EN 17352:2022** – Barriers intended for non-industrial premises
- **UKCA & CE marked**

Dimensions & Configuration

- **Overall Height:** 2271 mm
- **Overall Width:** 1400 mm
- **Overall Depth:** 2032 mm
- **Walkway Width:** 670 mm
- **Rotor Configuration:** 3-wing (120°)



Construction

Frame & Enclosure

Fully enclosed mild steel body

Rotor Material

Circular Hollow Section (CHS) mild steel, 2.5 mm wall thickness

Outer Panel Infill

3 mm mild steel sheet (all SR levels)

Rotor Infill (by SR Rating)

- **SR1:** No additional infill
- **SR2:** 2.5 mm sheet steel welded between rotor arms
- **SR3:** 4 mm sheet steel welded between rotor arms

Surface Finish

- Hot-dip galvanized to BS EN ISO 1461
- 2-pack polyurethane painted (RAL colour to be specified at order)

Head Mechanism

Control Unit

Locinox Turnitec electro-mechanical mechanism

Function

Manual rotor, controlled by solenoids (fail-secure)

Solenoid Control

- Dual-direction control (entry/exit)
- Lockable when power is removed (fail-secure)

Fire Alarm Input

Enables free-spin override in both directions

Override Keyswitches

Located underside of header tray, allow powered manual release

Mechanical Damping

Integrated damper reduces excessive spin; adjustable via internal tension nuts (accessible via header tray)

Electrical

PLC

Schneider SR2B121BD

Power Supply

- 230V AC incoming
- Internal 24V DC PSU

Access Control Interface

- Volt-free inputs: Entry, Exit, Fire Alarm
- Powered override keyswitches (Entry/Exit)

Connection Terminals

Located within IP-rated enclosure inside header tray

Cable Entry

Via central box sections feeding directly into the header tray



Raising Standards
Advancing Safety

