



The ES1301 manually operated drop arm tripod turnstile is designed and manufactured by Essence

This reliable turnstile is especially suitable for applications where high flow rate, and easy installation is required.

The ES1301 tripod turnstile includes an anti-panic device, which in the event of a power failure, automatically unlocks allowing the arm to instantaneously drop. Raising the arm is done manually once power has been restored.

Manufactured from high grade 304 stainless steel the ES1301 tripod turnstile comes with an ultra-reliable mechanical head mechanism giving unprecedented years of service.

After each passage the barrier arms are automatically returned to home position. Smoothness of operation is ensured by the damper. The arm rotation sensors track passages through the turnstile to ensure accurate count outputs to access control systems or optionally fitted counters.

The turnstile is operated from the logic board fitted inside the housing and can be easily integrated with most access control devices such as: card readers, coin/token acceptors, ticketing systems, etc. There is also a dedicated fire alarm input.

APPLICATION.

- Building Sites.
- Offices.
- Banks.
- Exhibition Centres.
- Toilets.
- Museums.
- Administrative Buildings.
- Retail Outlets.
- Railway Terminals.
- Airports, etc.

OPERATING MODES.

The ES1301 tripod turnstile can operate in 3 different modes.

- 1 Access permanently free, in either or both directions.
- 2 Access permanently mechanically locked, in either or both directions.
- 3 Electrically controlled access.



All above operation modes include the arm dropping function providing free and unobstructed safe passage for users in case of power failure.

Mode of operation to be clearly defined at the time of order.

ADVANTAGES AT A GLANCE.

- Low cost.
- Drop arm as standard.
- Robust.
- Reliable.
- LED directional indicator.
- User friendly.
- Easy to install.
- Easily integrated with any access control system offering N/O or N/C volt free contacts.
- Low power consumption.



TECHNICAL SPECIFICATION.

- Power supply: 230V single phase 50/60Hz.
- Operating voltage: 24Vdc.
- Nominal consumption: 5Amps.
- Operating temperature: -30 to 60°C.
- Relative humidity: 5 to 90% RH.
- Flow rate: 30 passages/minute, depending on access control system.
- Net weight: 70kg.
- MCBF when respecting recommended maintenance; 3,000,000 cycles.
- Installation Environment: Internal or external IP43.
- EC compliant.

DIMENSIONS.

- Length: 1200mm.
- Width: 240mm.
- Height: 980mm.
- Arm Length: 520mm.

WORK TO BE PROVIDED BY OTHERS.

- All electrical and control cable requirements.
- All ducts, conduits, containment.
- All foundations, bases.
- Installation.
- Suitable fixings.

