

Tripod Turnstile

Model TS-1/TS-1S



Features:

- Solenoid locking mechanism
- 3 X 120 degree stop
- Built-in bi-directional operational Control
- Locking mechanism to prevent tripod rotating in the opposite direction once it has traveled 25 degree past the rest position.
- Self centering mechanism with hydraulic damping to ensure head always rotates quietly & smoothly to the rest position.
- Positive action lock to prevent two passage at one time.
- Integration: With all type of access control panel/Reader available in the market.
- CE Certified against Electrical & EMC Safety
- Casework available in Mild steel Powder coated OR Stainless Steel
- 500 or 380 MM (+ 50 MM) Walkway

Complete entrance control solution under one roof

Sivananda Electronics has maintained its leadership in the field of entrance control solutions for over 15 years through its research & development work. We have supplied more than 1500 turnstiles through out India including Defense, Nuclear Power plants, Oil refineries, amusement park, film city etc.

Tripods are designed to control pedestrians entering or exiting restricted area in low to medium level of security generally under some surveillances & Crowd control applications The rotation is 3 X 120 degree (Tri-arm design) for bi-directional application with high volume of pedestrian movement.

Housing: The housing is made of heavy-gauge Mild Steel sheet metal (Model TS-1) & epoxy powder coated with dark grey, siemens grey. Optional colors are also available on request if required. Stainless Steel housings (Model TS-1S) are also available in 316 grade with brush finish. The rotating tri-arms are made up of 32 MM diameter polished stainless steel. Logic control is provided inside the housing next to the tripod head assembly for easy access.

Configuration: The tripod is available in various configuration to allow control of entry, or exit or both. Normally passage is to the left of the casework when individual units are used for entry or exit. The tripod can be arranged to open from a variety of local or remote input signal, such as coin mechanism, security control room, access control reader etc. Access Control reader/sensor can be mounted on the top of the cabinet on the slanting surface provided. The tripod arms are recessed into the cabinet ensuring that there are no obstruction to impede passage or sharp ends to catch clothing.

Design: The tripod barrier design utilizes a positive action lock which prevents two passes at one time. A self centering mechanism with hydraulic damping ensures complete rotation of the tripod head to the reset position. An anti back up device prevents reserve rotation once the tripod head has moved 25 degree from rest.

Fail safe Mode: In the event of power failure or switched off, tripod arms will be free to rotate in either directions (Fail safe mode). (Optional) Tripod arms can be locked in case of power failure or switched off (Fail Locked mode)

Typical applications:

Revenue control, Passenger terminals, Shopping Malls, Factories entrances, Sports Complex, Airport etc

Optional:

Electro-mechanical Counter: for counting number of tripod arm rotation from maintenance point of view and to calculate traffic flow.

End Column (Dummy Box): Case work similar to tripod is supplied to act as a barrier and to block the secured area.

Lane Indicators : To regulate traffic flow (Green & red light on both sides)

Barricade OR hand Rail : Wherever required turnstile to have side barricade to prevent side entry for more than one person at a time.

Motorized type Mechanism along with Drop Arm Facility: In this option automatic drop arm facility can be provided (Optional) upon power failure or emergency to provide unobstructed passage clearance through the turnstile. On the resumption of power, the motorized drive rotates automatically positioning the arm back to its normal & locked position.

Dimensions

Casework: 985 X 230 X 1069 MM (LXWXH) typical Walk way : 380 +50 MM OR 500 + 50 MM
 Height of rotor arm from ground: 840 MM typical

Conformity

The Tripod Turnstile Model TS-1/TS-1S confirms with the applicable EU directives. It meets the requirements of the following standards

Safety Standards: EN 61010-1:03:94+ A2:07:95; IEC 1010-1:09.90 + AI:09:92 + A2:07:95 (for Electrical safety)
 EMC Standards: EN 61326 (for Emission & Immunity)

Technical Specification			
Power:	23VAC Single phase @50Hz	Dimension of Case work	985 X 230 X 1069 MM Approx
Current	0.3 A Typical	Walk way	380 / 500 + 50 MM
Power Consumption	Less than 40 Watt	Material of case work	Mild steel Powder coated or stainless Steel
Duty Cycle	100%	Material of tripod arm	Stainless steel
Opening Time	From 2 to 10 seconds	Tripod Hub Index	Mild steel powder coated
Weight	85 KG	Internal components	Rust free alloy of high strength
Protection Level	IP 54	Integration	Two PFC required (Entry and Exit)
Application	Indoor / Outdoor (under shed/Canopy)	Installation	By anchor Bolt on plain surface
Temperature	5 to 55 degree C	Locking Mechanism	Solenoid
Humidity	90% Non-condensing	Intelligence	Built-in logic control

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