

Tripod Turnstiles

DURAPOD DT 590

Robust turnstiles for heavy traffic use with stainless steel arms. Bi-directional, logic controlled, LED indicators included on both entrance and exit sides. Hand operated; hand operated with drop arm; motor driven with drop arm options available.

Integrated sensor controlled hand disinfection unit. Turnstile let passages after the approval of hand disinfection.



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MATERIALS

2,0 mm AISI 304 stainless steel housing. Stainless steel lid and arms.
Cast & machined aluminium tripod hub.

DRIVE MECHANISM OPTIONS

- Electromechanical, hand operated.
 - Electromechanical, hand operated with drop arm.
 - BLDC Motor driven with drop arm.
- A self centring mechanism to ensure complete rotation of the mechanism to the home position.
 - A hydraulic damper to ensure smooth operation
 - Anti backup device to prevent reverse rotation once the mechanism has moved 30 degrees from the home position
 - Fail-safe operation as standard. (Optional fail-locked)
 - Sensor controlled spray nozzles.

FUNCTIONS & INTERFACE

- Logic controlled interface, bi-directional operation
- Entrance and exit directions can be individually set as controlled, locked or free before or after the installation.
- The turnstile unlocks itself after the hand sanitation process.
- In controlled access mode, hand sanitation unit becomes operational after release confirmation which was sent by access control system and the turnstile unlocks the released direction after the sanitation process to enable one person access in the direction of travel. After each person, the turnstile arm blocks passage again and does not permit access from both entrance and exit directions until receiving a new release signal from the access control system.
- After the release, the turnstile blocks itself after an adjusted time if no transition or passage occurs.
- If people from both directions would like to pass through simultaneously, the first person who activates the turnstile takes precedence.
- An additional person is able to release the next passage cycle during an ongoing passage cycle in both directions. The turnstile controller stores up to 255 releases and lets corresponding number of individuals pass through.
- Relay outputs for counting passage in either direction
- RS 232 serial port

EMERGENCY & POWER CUT

In the event of emergency or power-cut the mechanism unlocks the arms and the arms rotate freely in both directions. The turnstile reset itself automatically when the emergency alarm stops or the power is switched back on.

LED INDICATORS

LED lights indicates the operating status of the turnstile in both directions.

	Option-1	Option-2
Green	Standby or locked	Released or free passage
Red	Released or free passage	Standby or locked

SETTINGS

Operation mode for each directions	: Controlled / Free / Locked
Acoustic Notifications	: On/Off
Release time out	: 5-10-15-20 secs
Consecutive passage	: On/Off
Emergency connection	: On/Off
LED Indicator options	: Option-1 / Option-2

SPECIFICATIONS:

Construction: Steel
Passage width: 530 mm
Arm length: 480 mm
Cabinet size (W x L x h): 300 x 750 x 1394 mm
Weight: 77 Kg
Power Supply: 100 - 240 VAC, 50/60 Hz
Logic Voltage: 24V DC
Standby power consumption: 3.8 W
Operation Temperature: -10 ° / +70 °
IP Protection: Cabinet IP54 / Logic Controller IP65

HOUSING MATERIAL OPTIONS

- AISI 304 Stainless steel (Standard)
- AISI 316 Stainless steel
- Powder coated steel in RAL colours

ACCESSORIES:

- Mounting plate for raised/suspended floor
- Ramp plate
- Heating kit for -40 degrees
- Jump over & crawl under sensor kit integration
- Back-up battery 7A
- Access controller integration options
(Please contact with sales representative for full list of options and accessories)

