

The TR 491 tripod turnstile is designed for an economic and dissuasive access control and can incorporate access control devices such as: card readers, coin/token acceptors, ticketing systems, etc ...

The TR 491 turnstile includes an anti-panic device, which, in case of power failure, automatically unlocks the arm, which instantaneously drops. The access corridor is then fully free of any obstruction, thus allowing uninterrupted safe passage.

The repositioning of the arm is done manually when power supply is restored.

Its mechanical design is strong and reliable allowing 7 different configurations to suit all architectural requirements in terms of pedestrian access control.

Description

1. AISI 316L stainless steel sheet frame.
2. Front and rear sections made of AISI 316L stainless steel locked from inside. These sections can not be opened before upper cover removal. They are designed to incorporate user control equipment such as card reader, coin acceptor, proximity reader, etc.
3. Upper cover in AISI 316L stainless steel with lock, to ease access to the turnstile mechanism and to open the columns.
4. Tripod turnstile mechanism with solid steel arms and capstan on ball bearings, protected by a black PVC hub cover. Electromagnetically operating locking bolts mounted on self lubricating bearings to lock arms. Hydraulic adjustable pressure movement shock absorber ensuring silent smooth operation and progressive slowing down of the arm rotation even when used with force. Reversed rotation prevented by the anti pass back device.
5. AISI 304 stainless steel arms with locking device preventing the arm from being removed without appropriate tools.
6. Programmable electronic control logic TR6.
7. Each gate is designed to accommodate an orientation pictogram display in one or both directions (optional)
8. Floor fixing by means of expansible plugs.

Operation

The TR 491 turnstile can operate in 3 different modes.

1. Access permanently free
2. Access permanently mechanically locked
5. Electrically controlled access.

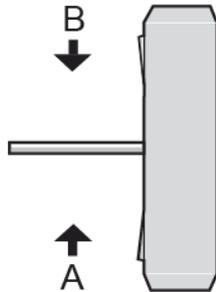
All above operation modes include the arm dropping function providing free and unobstructed safe passage for users in case of power failure.

The mode of operation is defined by specifying the code number above for both directions, which corresponds to the operation selected:

Conventions:

Direction A = housing at right hand side of the walkway

Direction B = housing at left hand side of the walkway

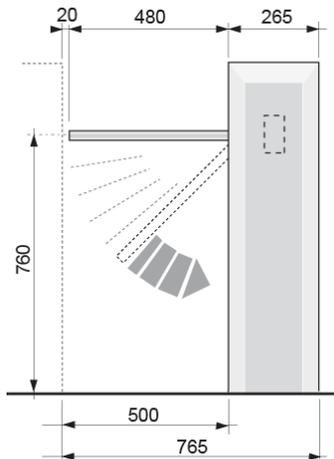


Example:

Turnstile free in direction A and electrically controlled in direction B: this is a TR 491 A1-B5 type turnstile.

Standard technical specifications

- Power supply: 230V single phase 50/60 Hz
- Control circuit: 24V DC
- Electromagnet: duty cycle 100%
- Nominal consumption: 40W
- Shock absorber: hydraulic
- Ambient operating temperatures: -10° to + 50°C
- Flow: 20 passages/minute.
- Net weight: 82 kg
- MCBF (Mean Cycles Between Failures), when respecting recommended maintenance: 2,000,000 cycles.
- This equipment is IP43.
- EC compliant.



Anti corrosion treatment

Internal mechanical parts are treated by zinc coating and passivation.

Options

- 120 V - 60 Hz single phase version.
- Cut out in the front and rear end sections to integrate the customer's control equipments, according to dimensions and positioning to be communicated (maximum width: 190 mm, maximum depth: 200 mm).
- Orientation pictogram with red cross and green arrow^(a).
- Heating resistance for use in -20 °C environments.
- Token acceptor integrated in feet^(a).
- Token.

^(a) mutually incompatible options.

Work to be provided by the customer

- Power supply.
- Connecting electrical wiring to the control units.
- Possible masonry and fixing work.

Standard dimensions (mm)

