

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 (see relevant Technical Data Sheet)
- 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.

The TR 490 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 ...

Its mechanical design is strong and reliable allowing 20 different configurations to suit all architectural requirements in terms of pedestrian access control.

Operation

The TR 490 turnstile can operate in 5 different modes.

1. Access permanently free
2. Access permanently mechanically locked
3. Access mechanically locked with automatic unlocking device to give free passage in case of power failure. (Free-rotation)
4. Electrically controlled access
5. Access electrically controlled with automatic unlocking device to give free passage in case of power failure. (Free-rotation)

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

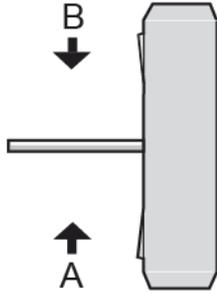
Conventions:

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 with automatic unlocking device: this is a TR 490 AI-B5 type turnstile.



Anti-corrosion

Internal mechanical parts are treated by zinc coating and passivation.

Standard technical specifications

- Power supply: 230V single phase 50/60 Hz
- Control circuit: 24V DC
- Electromagnet: duty cycle 100%
- Nominal consumption: 30W
- Shock absorber: hydraulic
- Ambient operating temperature: -10° to + 50°C
- Flow: 20 passages/minute.
- Net weight: 82 kg.
- MCBF (Mean Cycles Between Failures), when respecting recommended maintenance: 2,000,000.
- This equipment is IP43.
- EC compliant.

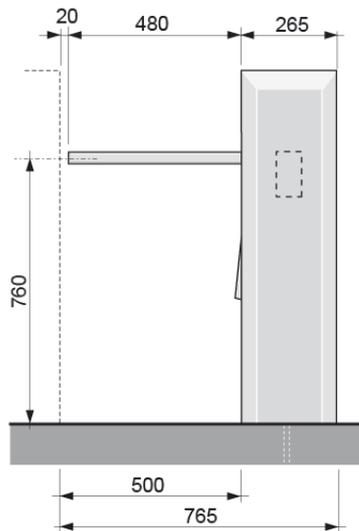
Options

- 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 or coin acceptor integrated in feet^(a).
- Token.
- AS1043 board for remote control.

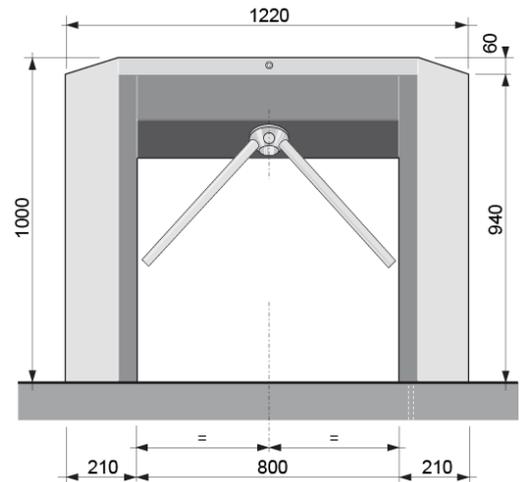
^(a) mutually incompatible options.

Work to be provided by the customer

- Power supply.
- Connecting electrical wiring to the control units
- Possible masonry and fixing work (see installation plan)



Standard dimensions (mm)



With a constant view of adopting the latest technological developments, Automatic Systems reserves the right to amend the information above, at any time.