TR490 TRIPOD TURNSTILE

NOTE:
The illustrated pictogram (7) is optional.

The TR490 turnstile is designed to operate autonomously thanks to the integration of control devices such as: card readers, coin and token acceptors, etc.
The simple and reliable mechanism allows up to 20 different configurations covering all the possible cases met in the pedestrian access control sector.

DESCRIPTION

1. Self-supporting housing made of 1.5mm-thick painted, folded and welded steel sheet (standard shade: RAL 5018, turquoise blue. Other optional colours).
2. Front and rear end sections made of AISI 316 stainless steel, fixed on the housing with inside locks. These end sections can be removed only if the upper hood is taken off.
3. Removable upper hood made of AISI 316 stainless steel with safety lock, giving access to the mechanism of the tripod and enabling the opening of the end sections.
4. Tripod mechanism with steel hub mounted on ball bearings, with black thermoformed ABS hub cover.

   The rotation of the tripod is locked by electromagnets and locking cams mounted on selflubricating bushes.

   Thanks to the self-regulating hydraulic shock absorbers that cushion the movements of the tripod, the operation is silent, shock-free and the tripod slows down progressively.
5. Stainless steel arms with locking device to prevent any dismantling without the appropriate tools.
6. TR6 electronic programmable control logic *(see technical data sheet n° 2-5301).*
7. Spaces available in each end section to integrate luminous orientation pictograms *(see technical data sheet n° 3-0001).*
8. Ground fixing planned for expansion bolts.
9. Space (to be customised according to the option) in each passage direction to incorporate the user control device: card reader(s), coin acceptor(s), proximity reader(s), etc.

TREATMENT OF SURFACES

1. RUST-PROOF PROTECTION

Internal mechanical parts:
- protected by 15µm-thick yellow bichromate electrogalvanizing or by 20µm-thick cataphoresis.

Full housing:
- zinc phosphatisation,
- 20µm-thick cataphoresis (cathodic process).

2. PAINTING

Application of a 100µm-thick coat of standard powder paint (RAL 5018, turquoise blue). (Other optional shades to be mentioned on order.)

Specifications subject to change without prior notice.

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TR490 TRIPOD TURNSTILE

TECHNICAL DATA N° 2-1118

Automatic Systems

BELGIUM - FRANCE - ITALY - SPAIN - UK - CANADA - USA

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TECHNICAL FEATURES

- Power supply: single-phase 230V.
- Frequency: 50/60Hz.
- Control circuit: 24V DC.
- Electro-magnets: duty cycle 100%.
- Consumption: maximum 60W.
- Shock absorbers: hydraulic.
- Operation temperature: -20° to +50°C.
- Humidity level: 90%.
- Net weight: 82kg.
- Overall dimensions: see below.

OPTIONS

- Cut-outs in the front and rear end sections to integrate the customer's control device according to template and position to be communicated *(max. width: 190mm; max. depth: 200mm)*.
- Standard Automatic Systems card reader(s), token or coin acceptors.
- Counting device per access lane and per controlled direction.
- Remote control of the turnstiles from the desk installed in a control booth.
- Orientation pictogram(s) with red cross and green arrow *(see technical data sheet n° 3-0001)*.
- Remote control push button(s).
- Function indication lights.
- Thermostatically controlled heater.
- Dummy cabinet (empty extremity housing).
- Separation railing between turnstiles.
- **Fully** AISI 316 stainless steel housing.
- Other colour than the standard RAL shade for the finish paint (to be precised on order).

OPERATION

The TR490 turnstile authorises 5 different operation modes. This operation mode is to be defined precising the code number below for each passage direction A and B.

1. *Always free access.*
2. *Always mechanically blocked access.*
3. *Mechanically blocked access with automatic unlocking of the tripod in case of power failure.*
4. *Electrically controlled access.*
5. *Electrically controlled access with automatic unlocking of the tripod in case of power failure.*

DEFINITION OF THE TURNSTILE

The TR490 turnstile is to be defined when ordering according to the selected operation mode.

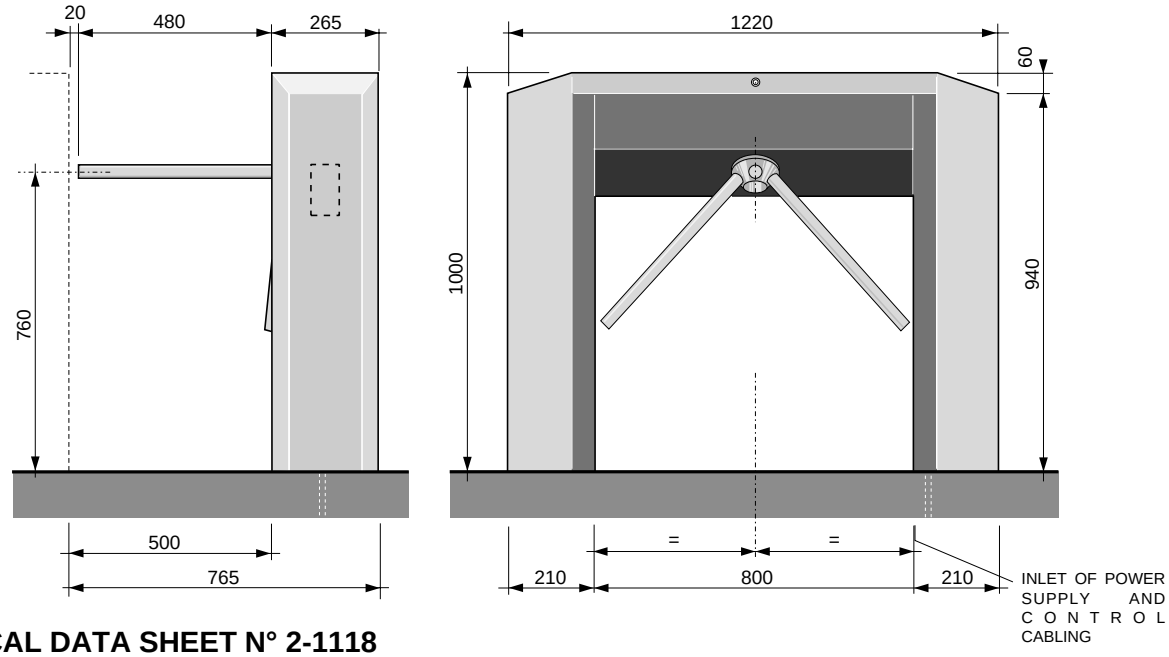
Definition examples:

1. A turnstile is always free in direction A and electrically controlled in direction B with automatic unlocking: **A1-B5 TR490 turnstile**.
2. A turnstile is always mechanically blocked in direction A and electrically controlled in direction B : **A2-B4 TR490 turnstile**.

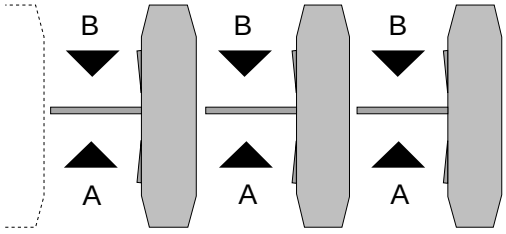
WORK TO BE DONE BY CUSTOMER

- Single-phase 6A 230V power supply + earth.
- Power cabling and connections to the control device.
- Masonry work and necessary sealing (see installation plan n° CH3668).

OVERALL DIMENSIONS



INSTALLATION OF THE TURNSTILES



TECHNICAL DATA SHEET N° 2-1118