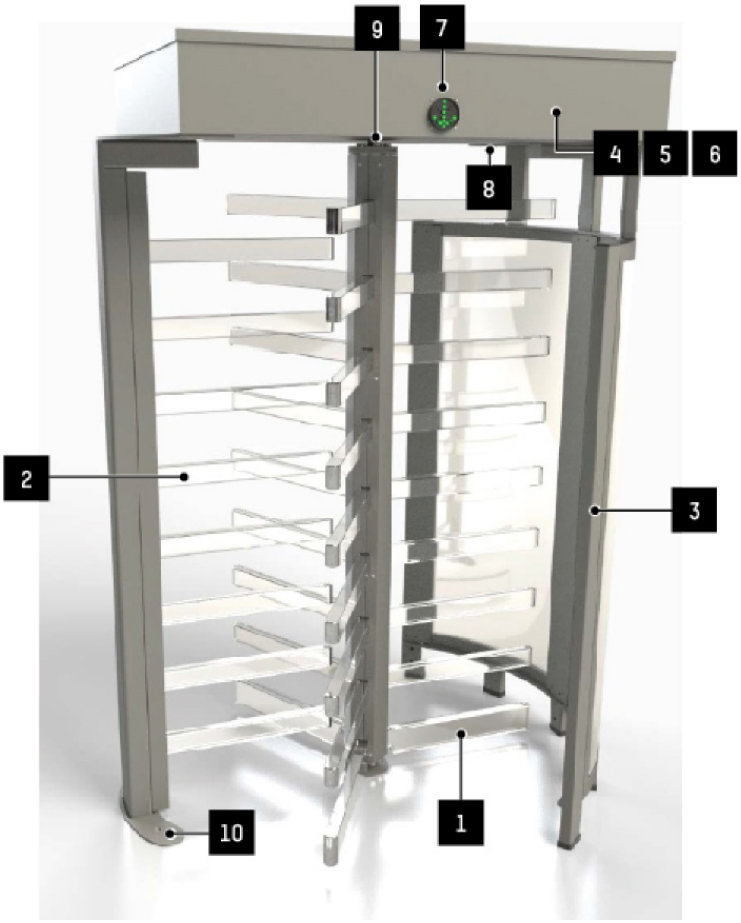
TRS 370 P

Datasheet

Rev. D

AUTOMATIC SYSTEMS

WARRANTY 2 YEAR



The TRS 370 P is a full-height turnstile with obstacles made of clear acrylic. It offers a high level of security while maintaining a comfortable passage space for the user.

- Safe, simple, and effective equipment allowing for intensive, prolonged use.
- Automatic access control enables single passage without the need for a supervisor, reducing security costs.
- Long term investment based on exceptional durability.

Applications: administrative buildings, schools, hospitals, sports complexes, etc.

DESCRIPTION

1. **Rotating obstacles with 3 combs** positioned at 120° from one another. Each comb consists of rectangular profiles made of clear acrylic 1.5 in (38 mm) thick which are attached to a vertical upright. The whole item is fixed to the upper rotating part and to the lower central wheel disc.
2. **Fixed obstacle** limiting passage to half of the turnstile, consisting of clear acrylic profiles 1.5 in (38 mm) thick bolted to the steel post (3).
3. **Fixed panel** limiting passage, consisting of vertical tubular steel profiles welded to a curved plate upon which clear acrylic panels are mounted. This structure also supports the top section (4) .
4. **Top section** holding the driving mechanism (5) and the control logic board (6) in sheet steel, with a double access door secured by key. Flat roof to ease the integration within the surrounding infrastructure.
5. **Driving mechanism** located in the top section consisting of:
   - Tension springs to stabilize the mobile obstacles when in the standby position.
   - Hydraulic damper slows the movement at end of each cycle.
   - Mechanism preventing return of obstacle after 60° rotation, preventing passage fraud from the opposite direction.
   - Electromagnet(s) and cams ensuring mechanical locking of the obstacle in neutral position when at least one direction of passage is controlled.
6. **Control logic** (only if at least one direction of passage is controlled), the main functions of which are :
   - Parameters set using an integrated keyboard and LCD screen, or a Modbus link with remote control.
   - Connection block for various commands (readers, unlocking ...) and recovery of information (position, counting ...).
   - Configuration of operating mode.
   - Management of time settings.
   - Memorization of passage requests.
7. **Orientation pictograms** on the top section.
8. **Passageway lighting** under the top section.
9. **Dust-free seal** between the central axis of the obstacle and the top section.
10. **Automatic Systems** supplies the anchoring bolts to fix the equipment upon firm flooring.

MODES OF OPERATION

For each direction of passage, the possible configurations are the following (to be specified with the order):

1. Free access (obstacle turning freely).
2. Permanently locked (obstacle blocked mechanically).
3. Locked, but unlocked in case of power failure.
4. Electrically controlled (free, locked, passage subject to authorisation) and locked mechanically in case of power failure.
5. (Standard) Electrically controlled (free, locked, passage subject to authorisation) and unlocked in case of power failure.

STANDARD TECHNICAL CHARACTERISTICS

Power supply [*]	Single phase 120 Vac - 60 Hz
Rated power [*]	70 W (without optional heater)
Ambient operating temperature	From 14 °F to 122 °F (-10 °C to +50 °C) without optional heater
Relative ambient humidity	95%, without condensation
Net weight	864,6 lb (393 kg)
Flow	15 to 20 passages per minute, depending on the reaction time of the access control system
MCBF (Mean cycles between failures)	**3,000,000** cycles, in compliance with recommended maintenance
MTTR (Mean Time To Repair)	20 minutes
IP Rating	IP43
	ETL Listed no 3117963 Conforms to UL std 325 Certified to CAN/USA std C22.2 NO 247

OPTIONS

Canopy, lateral dripping, climb proof.
Heating (450W 120V fan heater) for operation in ambient temperature down to -31 °F (-35 °C),.
Non standard RAL color. [1]
Fixing frame to be embedded in a concrete slab.
Key-operated firemen's release (per French standards), one direction or two directions. ⓘ
Twilight photocell [*].
Reader integration (reader supplied by customer).
Two (large) boxes for integration of access control features - Single passage - A & B directions [*].
Treatment for aggressive saline environment. [2]

ⓘ Configuration required.

[1] RAL to be specified when ordering.

[2] Recommended for an installation within 6 miles (10 km) of the coast: sandblasting + Alu Zinc plating 80µm outside (40µm inside) + polyzinc 80µm + 80µm powder coat.

[*] Only for a turnstile equipped with a control logic, that is to say operating in mode 3, 4 or 5, in at least one direction.

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SURFACE TREATMENT

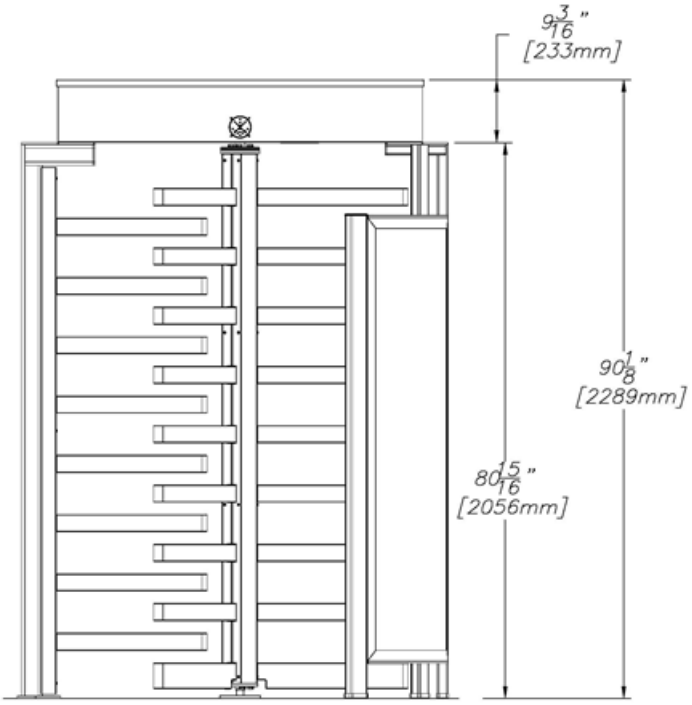
- Galvanized internal mechanical parts.
- **Housing and structure:**
  - 1 coat of a 4000hrs salt spray resistant primer +
  - 1 coat of powder paint (standard color: RAL7038 (Agate Gray).

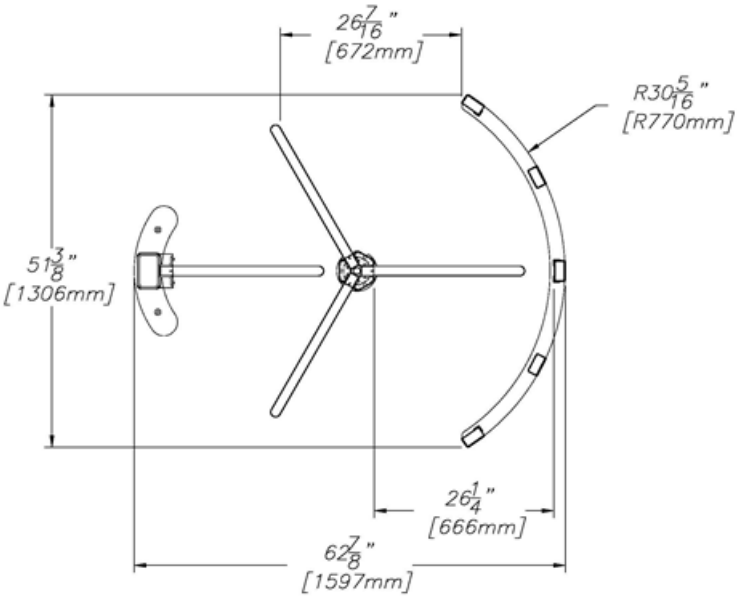
WORKS TO BE PROVIDED BY THE CUSTOMER

- Masonry work as required per general layout drawing.
- Power supply [*].
- Anchoring to the floor.
- Electrical connections to the access control system [*].

[*] Only for a turnstile equipped with a control logic, that is to say operating in mode 3, 4 or 5, at least in one direction.

STANDARD DIMENSIONS (INCHES & MM)





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