

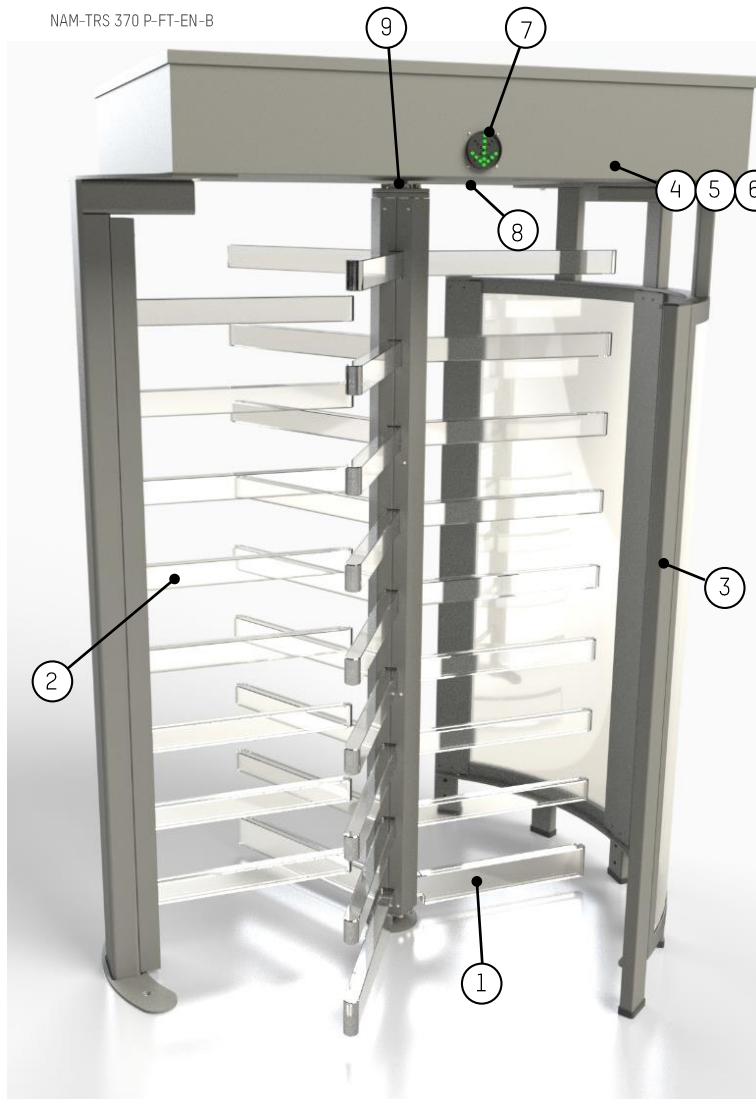
# TRS 370 P

## Datasheet

NAM-TRS 370 P-FT-EN-B

**AS** **AUTOMATIC**  
**SYSTEMS**

Access controlled...  
Future secured



## DESCRIPTION


- 3-arm mobile obstacle.** Each arm is composed of rectangular obstacles positioned at regular intervals. Arms are positioned 120° from one another. The rectangular obstacles are made of clear acrylic profiles 1.5 in [38mm] thick.
- Fixed obstacle** limiting passage to half of the turnstile, consisting of clear acrylic profiles 1.5 in [38mm] thick bolted to the steel post
- Fixed panel** limiting passage, consisting of vertical tubular steel profiles welded to a curved plate upon which clear acrylic panels are mounted.
- Top section** holding the driving mechanism and the control board, in sheet steel, with a double access door secured by key. Flat roof to ease the integration within the surrounding infrastructure.
- 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 the end of each cycle.
  - Mechanism preventing the return of the obstacles once a 60° rotation has been completed, prevents passage fraud from the opposite direction.
  - Electromagnet(s) and cams ensuring mechanical locking of the obstacles when in standby position.
- AS 1300 Control board** located in the top section (4). The main functionalities are :
  - Parameters are 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 timer settings.
  - Memorization of passage requests.
- Orientation **pictograms** on the top section.
- Passageway **lighting** on the top section.
- Dust-free seal** between the central axis of the obstacle and the top section.
- Automatic Systems supplies the necked-down bolts required to affix the equipment to concrete flooring.

The TRS 370 P is a full-height turnstile with 3-mobile arm 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.

## GENERAL SPECIFICATIONS

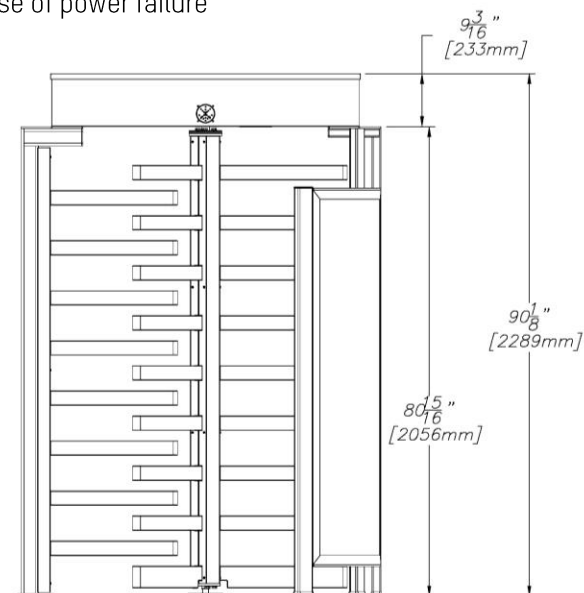
Input power	120 VAC/60 Hz (with ground)
Consumption	70 W (nominal)
Maximum relative humidity	95 %, without condensation
Operating temperature (without optional heater)	14 °F to 122 °F [-10 °C to 50 °C]
Maximum throughput <sup>(1)</sup>	15 to 20 passages per minute
Weight	864,6 lbs [393 kg]
Passage width	26-1/4 in [666 mm]
MCBF (Mean Cycle Between Failure)	1 000 000 cycles, with recommended maintenance
MTRR (Mean Time To Repair)	20 minutes
Certification	 ETL listed no 3117963 Conform to UL std 325 Certified to CAN/USA std C22.2 NO 247

(1) Best conditions; depends on validation speed of the access control system

## OPERATING MODES

For each passage direction, there are three operation modes

1. Free access (mobile obstacles rotate freely)
2. Locked
3. Controlled
  - a. Default setting: unlocked in case of power failure
  - b. Optional setting: locked mechanically in case of power failure



## SURFACE TRAITEMENT

- Mechanical parts receive a galvanization treatment Housing and structure : 1 coat of a 4000hrs salt spray resistant primer + 1 coat of powder paint (standard color: Light grey RAL 7038)

## OPTIONS AND ACCESSORIES

- Fixing frame to be embedded in a concrete slab
- 120 V – 550 W heater for operation at -31°F [-35°C]
- Contact mat for single user passage
- Card reader installation on vertical tubular steel profiles
- Custom RAL color
- ADA side gate

## WORK TO BE PROVIDED BY OTHERS

- Performing electrical interconnection and connections to the power grid
- Performing connections to the access control systems
- Anchoring the equipment with the appropriate hardware for your floor type

All work should be performed as per the implementation and interconnection diagrams provided.

