

# MODEL MST-T

# SECURITY TURNSTILES

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Offering the functionality of two separate standard security turnstiles, while occupying 30" less installation space, Alvarado's tandem MST-T is the space saving solution for indoor or outdoor access control applications.

The precision-crafted MST-T has fully welded tandem roto, yoke and barrier sections, providing superior strength and attractive styling. High quality bearings, an investment grade stainless steel mechanism and hardened stainless steel lock arms ensure a consistent, smooth rotation and years of trouble free service.

The turnstile is available with manual (MST-T) or electric (MST-TX) operation. Electrically controlled versions use the same state-of-the-art technology

found in Alvarado's MSTX turnstiles. A rugged multi-function controller, electronic rotation detection, bi-directional interface and time out functionality are all standard on electrically controlled models.

The MST-T is designed for integration with any identification or access system. The turnstile arrives in six main components and is easily assembled. A large terminal strip interface and field diagnostic tools simplify the process of integrating the unit into a security application.

The MST-T is available in satin stainless steel, galvanized and color powder coat finishes. Access card reader attachment plates are available.



- **30" Narrower than Two Standard Units**
- **Secures Entry/Exit Points**
- **Fully Welded for Superior Strength**
- **Multi-Function Controller**
- **Easy Installation and Systems Integration**

# ALVARADO



## PRODUCT NAME

MST-T tandem full height security turnstile

## APPLICATIONS

**Manual MST-T** - Provides directional control for areas that need two full height turnstiles, but require a smaller installation footprint.

**Electric MST-TX** - Provides controlled access for areas that need two full height turnstiles, but require a smaller installation footprint.

## PRODUCT FEATURES - Mechanical

### Styling

- Fully welded exterior components
- Top and bottom bearing covers
- Minimal exposed hardware

### Materials and Operation

- Stainless steel top channel cover
- Stainless steel investment cast components
- Heavy gauge materials meeting appropriate ASTM standards
- Friction braking for smooth rotation

### Finishes

- Galvanized
- Baked on color powder coat
- Baked on color powder coat over galvanized
- Stainless steel polished to a #4 satin finish

### Upgrading to Electric Lock Control

- All manual MST-T top channels are pre-drilled to accept electrical components for easy field upgrade

## PRODUCT FEATURES - Electrical

### Electric

- 110VAC input stepped down to low voltage 12VDC
- Junction boxes with dual power receptacles and on/off power switches provided
- Electric turnstiles tested and approved by Los Angeles City Testing Laboratories
- 220VAC units are CE marked

### Controller and Access Control Operation

- Electronic rotation detection - no mechanical microswitches required
- Bi-directional interface - an isolated dry contact signal activates the turnstile - no added interface relay required
- Turnstile automatically relocks in 20 seconds if no passage after activation
- Controller provides dry contact rotation signal output to access control provider and/or remote counting system
- Field activation test buttons allow testing of turnstile functionality separate from access system
- "Attendant Override" input accepts dry contact signal to allow attendant to bypass the access control system and unlock the turnstile

## PRODUCT SELECTION

### MANUAL (MST-T)

**MST-T-3** - Each roto free rotating in both directions, key lock for all directions.

### ELECTRIC (MST-TX)

**MST-TX-5X** - Each roto electrically controlled in one direction, free rotating in the opposite direction. Rotos have self-adjusting speed controlled rotation and automatic self-centering.

**MST-TX-6X** - Each roto electrically controlled in both directions.

### MST-T(X) OPTIONS

**Status Lights** - Green/red to indicate locked/unlocked status or yellow/green/red to indicate ready status and accept/reject status received from access system.

**Fail-Safe Operation** - Turnstile provides free rotation upon loss of power in one or both of the electrically controlled directions.

**Key Override** - Unlocks some or all directions of passage (Separate override required for each direction).

**Speed Control/Self-Centering** - Self adjusting speed controlled rotation and automatic self-centering. (Standard feature with 5X models).

**Battery Backup** - Battery backup system for electrically controlled models allows continued operation during a loss of primary power.

**Adjustable Timed Delay Auto Re-Lock** - Allows the duration of time allowed before unit automatically re-locks to be adjusted or disabled in each electrically controlled direction.

**Card/Swipe Reader Mounting** - Mounting plates for card reader systems.

**Remote Locking** - Bypasses the access control system and remotely "closes" the unit in the electrically controlled direction(s).

**Turnstile Open/Closed Lights** - Green/red lights mounted on the turnstile top channel to indicate "open/closed" status (Used in conjunction with the remote locking and unlocking option).

**220 - 240 Volt Transformer** - Replaces standard transformer.

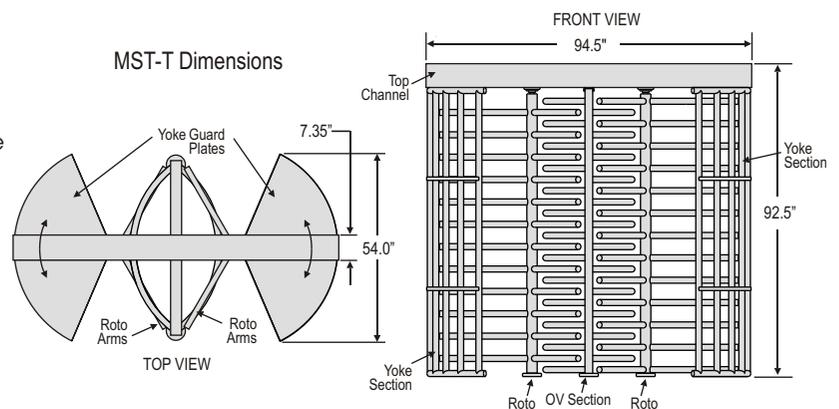
**Serial Interface** - Allows turnstile to communicate with a PC or controller via RS-232 serial communication.

**Heel and Arm Guards** - Protective pads available for middle and bottom roto arms.

**Custom Options** - Custom materials and designs are available to meet your specific requirements.

## WARRANTY

Alvarado's one-year written warranty applies to all products.



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