

Alvarado's top-of-the-line CPST is the clear choice for maximum security in upscale environments.

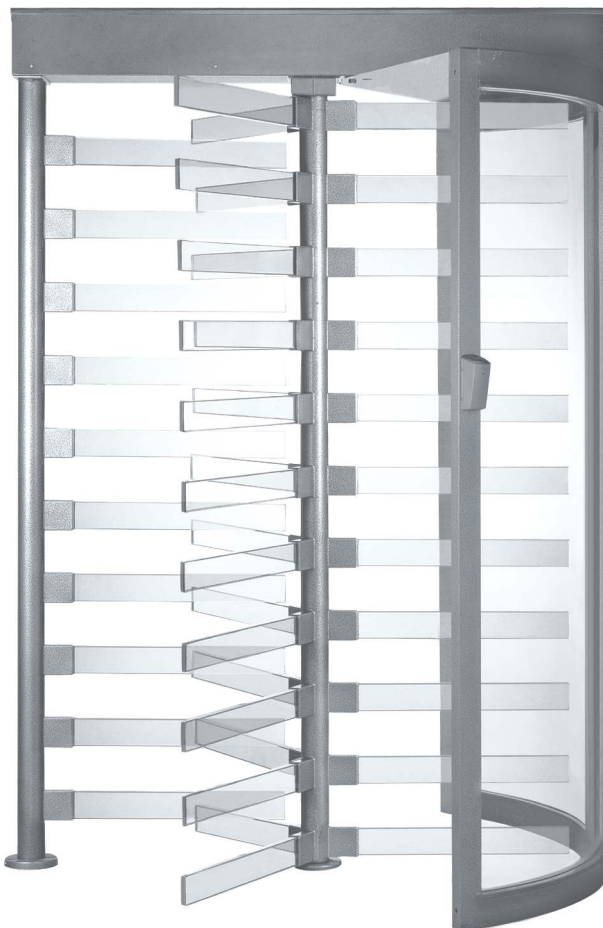
The CPST, with its distinctive polycarbonate arms and side enclosure panel, offers an aesthetically pleasing alternative to traditional full height turnstiles. High quality bearings, an investment grade stainless steel mechanism and hardened stainless steel lock arms provide a consistent, smooth rotation and years of trouble free service.

The turnstile is available with manual (CPST) or electric (CPSTX) operation. Electrically controlled versions use the same state-of-the-art technology found in Alvarado's MSTX turnstiles. A rugged

industrial grade controller, electronic rotation detection, bi-directional interface and time out functionality are all standard on electrically controlled models.

The CPST can be easily integrated with any identification or access system. The turnstile arrives in four main components and is easily assembled. A large terminal strip interface and field diagnostics tools simplify the process of integrating the unit into a security application.

The CPST is available in stainless steel or powder coat finishes. Card reader mounting plates are also available.



- **Extremely Tough, Scratch-Resistant Polycarbonate Arms**
- **Curved Polycarbonate Yoke Section**
- **Stainless Steel Internal Components**
- **Electric Models Use Advanced Controller**
- **Easy Installation and Systems Integration**

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## DESCRIPTION

### PRODUCT NAME

CPST full height security turnstile

### APPLICATIONS

**Manual CPST** - Provides directional control in any facility requiring an orderly flow of patrons.

**Electric CPSTX** - Provides controlled access to any area requiring access control.

### PRODUCT FEATURES - Mechanical

#### Styling

- Clear polycarbonate arms
- Curved two-piece polycarbonate yoke section
- Top and bottom bearing covers
- Minimal exposed hardware

#### Materials and Operation

- Stainless steel top channel cover
- Stainless steel investment cast components
- Polycarbonate yoke sections and turnstile arms have scratch resistant coating
- Polycarbonate arms provide superior strength
- Friction braking for smooth rotation

#### Finishes

- #304 stainless steel polished to a #4 satin finish
- Baked on color powder coat

#### Upgrading to Electric Lock Control

- All manual CPST 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 box with dual power receptacle and on/off power switch provided
- Electric turnstiles tested and approved by Los Angeles City Testing Laboratories

#### 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 (CPST)

**CPST-3** - Free rotating in both directions, key lock for both directions.

#### ELECTRIC (CPSTX)

**CPSTX-4X** - Electrically controlled in one direction, locked in the opposite direction.

**CPSTX-5X** - Electrically controlled in one direction, free rotating in the opposite direction, hydraulic self-centering mechanism.

**CPSTX-6X** - Electrically controlled in both directions.

#### CPST(X) OPTIONS

**Card Status Lights** - Green/red or green/red/yellow to indicate accept/reject status.

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

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

**Self-Centering** - Automatic hydraulic self-centering roto section (standard feature with CPSTX-5X).

**Battery Backup** - Provides backup power for electric models.

**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.

**Polycarbonate Tinting** - Polycarbonate yoke can be tinted.

**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 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.

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

### WARRANTY

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

