

ALVARADO

SLTX Slim Line Waist High Turnstile



Technical Specifications

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| Dimensions | <u>Unit Height:</u> | 39.875" (1013 mm) |
| | <u>Unit Width:</u> | 23.25" (591 mm) |
| | <u>Unit Depth:</u> | 19.875" (505 mm) |

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| Materials | <u>Cabinet:</u> | Formed and welded 12 gauge cold rolled steel. All exterior welds are ground smooth and polished. |
| | <u>Base Plate:</u> | 0.25" thick cold rolled steel and welded to the base of the cabinet assembly. Three holes are provided in the base plate to allow the turnstile to be anchored. |
| | <u>Lid:</u> | Formed and welded 14 gauge #304 stainless steel. The lid is mounted to the cabinet with a minimum of two self tapping screws. |
| | <u>Head:</u> | Solid piece of aluminum, machined to an attractive conical shape and drilled to accept the three turnstile arms. The arms are press fit into the head and welded from the back. There are no exterior fasteners. |
| | <u>Arms:</u> | 1.5" OD x 16 gauge stainless steel tubing. The arms are sealed at one end by a stainless steel cap welded and ground smooth. When at rest, the arms create a 90-degree passageway so that the arms do not impair the patron passageway. The arms are polished to a #4 satin finish. The arms extend 15.5" from the inside edge of the cabinet. |

All tubing and sheet metal materials meet ASTM Standard A513.

Function The SLTX is a waist high, three arm turnstile designed to provide quick and effective access control.

Available Configurations The SLTX is designed to interface with virtually any access control system or reader to provide the electric locking control required in controlled access facilities. The following configurations of the SLTX are available:

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| SLTX-4X | Each turnstile has electric lock control in one direction, no passage in the opposite direction. |
| SLTX-6X | Each turnstile has separate electric lock controls in both directions. |

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| Interior Components | <u>Ratchet Assembly:</u> | Precision investment cast stainless steel and machined, hardened steel parts. |
| | <u>Roller Bearing Assembly:</u> | Six precision roller bearings that ride on a precision investment cast stainless steel cam to provide precise and smooth one way or bi-directional rotation. |
| | <u>Hydraulic Dampening Assembly:</u> | Provides a smooth braking effect during the rotation of the turnstile to eliminate striking the user and over rotation of the turnstile arm. It also automatically self centers the arms to the "home" position. The hydraulic dampening tension is adjustable. |
| | <u>Mechanical Turnstile Control:</u> | The locking and unlocking of the unit is controlled with stainless steel lock arms that are moved into the appropriate locked or unlocked position by continuous duty rated solenoids and spring assemblies. There is one solenoid and spring assembly per lock arm, and one lock arm per direction, allowing for independent control of each rotational direction (The SLTX-4X will have only one solenoid since only one |

direction is electrically controlled).

Key Override Control: The stainless steel lock arms can also be moved into the unlocked position by key overrides. There is one key override per lock arm, allowing the operating technician to unlock one or both directions of the SLTX turnstile. Separate key overrides are provided for each direction of travel and are located near the arms on the cabinet fascia.

Electrical Components and Functionality

The following are the electrical requirements and standard functionality of the SLTX:

- Power Supply** 18 VAC
Primary power must be supplied to the upper portion of the turnstile cabinet. Conduit paths are not provided and must be added by a qualified electrician or integrator during installation.
Low voltage primary power of 24 VDC may also be supplied by bypassing the internal rectifier.
- Power Rating** Maximum power consumption is 75 W per turnstile.
- Operational Voltage** Primary power is rectified for 24 VDC operation.
- Activation** Activation for electrically controlled directions of operation is achieved by supplying a momentary dry contact of less than 1/2 of a second to the unit. Relays and a terminal strip connection are provided in the turnstile for this purpose.

Available Finishes

- Powder Coated** Available in an attractive black finish. Sub-assemblies are sand blasted to prepare for the powder coat finish. The powder is electrostatically applied, then baked to assure proper curing and adhesion. The stainless steel lid, the aluminum head, and the stainless steel arms are not powder coated.
- Stainless Steel** The cabinet is fabricated from #304 stainless steel.

Shipping Details

SLTX turnstiles are fully assembled in a solid, fully enclosed, wooden crate. Each SLTX unit includes mounting hardware (anchors, bolts, washers, etc.) to install the turnstile into a concrete base. Alvarado ships products throughout the world.

Installation Details

All SLTX units must be installed on a firm foundation. The recommended platform is 4" deep, level concrete. No embedded fasteners are needed for installation. Installation should be performed by a skilled installer following the manufacturer's directions and instructions (supplied with the turnstile).

Approximate Weight

Approximately 120 lb. (54 Kg) per cabinet

Options

Failsafe Operation

The electrically controlled direction(s) will unlock upon power loss and provide free passage. The SLTX unit is supplied in a fail-lock mode as standard. If power is interrupted to a standard fail-lock SLTX, it will remain locked in the electrically controlled direction(s).

120 VAC Transformer

A step down transformer is provided allowing 120 VAC to be supplied to power the turnstile. Primary power is then stepped down to 18 VAC. The transformer is shipped separately and must be mounted outside of the turnstile cabinet and wired in the field.

240 VAC Transformer

A step down transformer is provided allowing 240 VAC to be supplied to power the turnstile. Primary power is then stepped down to 18 VAC. The transformer is shipped separately and must be mounted outside of the turnstile cabinet and wired in the field.

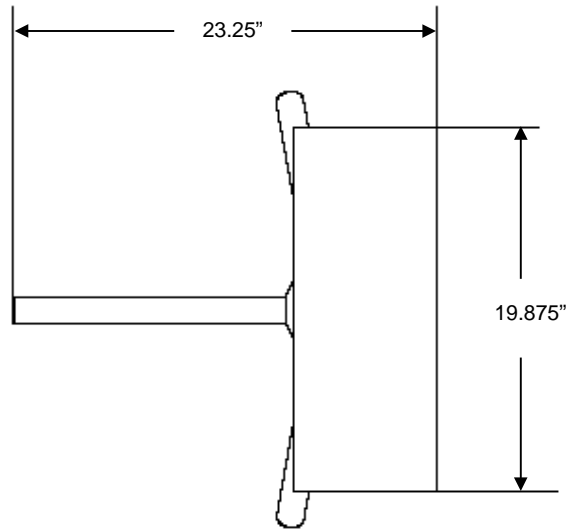
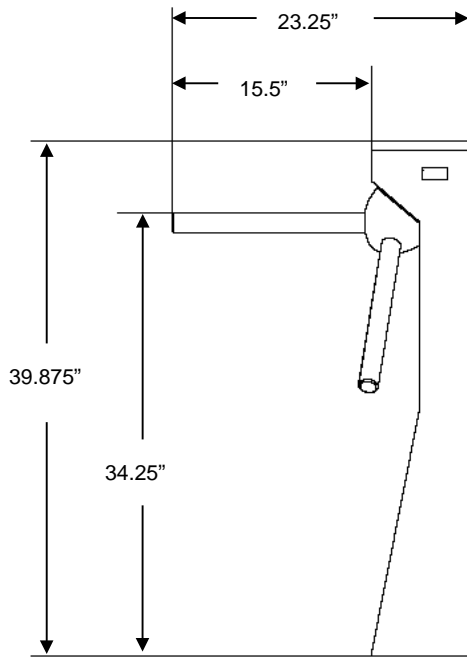
Counter

A lithium battery powered LCD counter is installed in the turnstile. Each rotation of the turnstile arm generates a count. One counter is required per direction of travel. The counter battery has a life expectancy of six years.

Computerized Counting

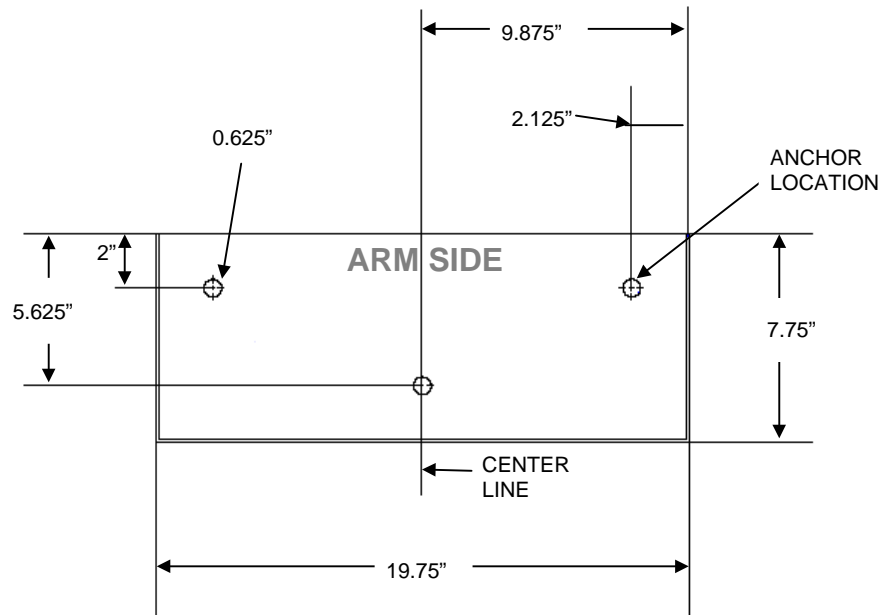
Each turnstile rotation outputs a count to GateWatch, Alvarado's Windows based software program that monitors and records real time patron counts. Counts can be transmitted from the turnstile in several ways, including over a standard, in facility, Ethernet network or using wireless RF devices.

SLTX Site Preparation



Note: Allow a 2" clearance gap between the end of the turnstile arm and the next unit or outside barrier.

Footprint Drawing



Slab Requirements

- Minimum thickness: 4" level solid concrete

Warranty

Alvarado Manufacturing Co., Inc. warrants the SLTX, from defects in material or workmanship, for the period of ONE YEAR from date of shipment. Complete details of the warranty are available from Alvarado by request.

Technical Services

Technical information is available from Alvarado Manufacturing Co., Inc., and its representatives, distributors, and dealers.

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