

# Model 151SR/FL and Model 151SR/AL Double-Drop-Arm Turnstile

11/04/05

## 1.0 - GENERAL

### 1.01 Submittal

Shop Drawings: Drawings showing all turnstile exterior details, overall dimensions for installation, and installation details including trim and accessories.

### 1.02 Product Handling

Turnstiles and Portals shall be shipped fully assembled and palletized with double wall corrugated card board sleeves and lids for protection.

## 2.0 - PRODUCTS

### 2.01 Materials and standard of quality:

A. Model 151SR/FL and Model 151SR/AL Double-Drop-Arm Turnstile as manufactured by:

Perey Turnstiles, Inc.  
308 Bishop Avenue  
Bridgeport, CT 06610

### B. Double-Drop-Arm Turnstiles

#### 1a. Cabinet Cover

ANSI #304 Stainless Steel with #4 brushed finish, .082" wall thickness, 5/32" radii corners, 2.5" tall, 60" long and 8" wide with full radius'd ends. All welds ground smooth, brushed and evenly colored.

#### 1b. Card Reader Mounting In Lid

Internal mounting of reader with minimum exposure of reader body. Non-RF interfering mounting brackets shall be used. (If Proximity reader is used, mounting shall be below lid with scratch plate of Lexan at surface of lid and flush mounted.)

#### 2. Turnstile Cabinet

ANSI #304 Stainless Steel with #4 brushed finish. Full height standing rib reinforced design, double wall (cavity) construction, each wall .082" thick. 60" long and 8" wide with full radius'd ends. 3/16" thick ANSI #304 Stainless Steel base plate. No exposed welds.

#### 3. Barrier Arm

ANSI #304 Stainless Steel tubing with #4 finish 1.5" diameter with spun closed end and .054" wall thickness. Arm length shall be 34" providing for a 36" passageway or 19" providing for a 22" passageway or other lengths as necessary for layout. Arm shall drop in the vertical plane from a passage barring position into a recessed cavity in the cabinet.

#### 4. Passageway

When Barrier Arms drop, passageway shall be completely free allowing for the unencumbered passage with accommodating layout.

## 5. Barrier Arm Mechanism

The Barrier Arms shall be operated by a motor-and-chain drive system with motion limit switching. A magnetic clutch will be employed for safety slippage to minimize the possible impact on obstructions to arm passage and for fail-safe function. Motor controls will be by industrial heavy-duty switches and relays with service rating of 3,000,000 cycles.

## 6. Drop Arm Turnstile Electronics

The passageway shall be monitored by an array of twelve industrially hardened coded infrared sensor arrays and one "SuperController" of the latest generation. Emitters of the coded infra-red signal shall be in the cabinet opposite the primary arm mechanism. The drop arm turnstile shall have intelligence capable of the operational functions and alarm functions below. It shall be capable of being programmed by the owner for changes in functions and alarms without the need for a factory technician's visit.

- a. Uni-Directional Operation
- b. Bi-Directional Operation
- c. Remote "Lockout" Of One Or Both Directions
- d. Unauthorized Entry Alarm Local and Remote
- e. Unauthorized Exit Alarm Local and Remote
- f. Piggy Backing Alarm Local and Remote
- g. Package Only Entry Alarm Local and Remote
- h. Package Only Exit Alarm Local and Remote
- i. Slow Travel Alarm Local and Remote
- j. Walk Away Alarm Local and Remote
- k. Crawl Alarm Local and Remote

## C. Finish

All stainless steel surfaces shall have a #4B brushed finish. There will be no exposed fasteners, sharp edges or protrusions.

## D. Installation and Hookup

1. Manufacturer to provide internal conduit from electronics compartment to mechanism connections to protect customer wiring from the mechanism and cabinet edges.
2. Manufacturer will provide an international screw-type terminal block for wiring with chassis ground, system ground or pulsed 24VDC control wiring available.
3. RF pulse and contact arcing elimination circuitry to be provided.

## 3.0 - WARRANTY

### 3.01

Turnstiles shall be warranted for a period of five years from date of shipment against defects in workmanship and material.