

ARCHITECTURAL SPECIFICATION

SW1000 Motorized Pedestrian Gate

SW1000T Tandem Motorized Pedestrian Gate Set

(NOTE TO SPECIFIER: Select product model depending on desired panel height)

AVAILABLE PRODUCTS

SW1000 – Low Height Panel (single gate)

SW1000 – Mid Height Panel (single gate)

SW1000T– Low Height Panel (tandem gate set)

SW1000T– Mid Height Panel (tandem gate set)

SECTION 11 14 00 – Pedestrian Control Equipment

PART I – GENERAL

1.01 SECTION INCLUDES

- A. This section covers the furnishing and installation of an SW1000 motorized pedestrian gate.
- B. For further information, contact Alvarado at +1 909.423.4143, or email information@alvaradomfg.com.

1.02 REFERENCES

- A. CE marked in accordance with appropriate European Directives.

1.03 QUALITY ASSURANCE

- A. Manufacturer shall be a company specializing in the manufacture of security gates for a minimum of 10 years.
- B. Installer shall have at least one year experience installing similar equipment, or shall supply a factory representative during installation of the product.

1.04 SUBMITTALS

- A. Submit manufacturer's descriptive literature for specified equipment, including options.
- B. Provide, upon request, site specific drawings showing product placement.
- C. Provide installation and operation manuals.

1.05 DELIVERY, STORAGE AND HANDLING

- A. Deliver materials to job site in manufacturer's packaging undamaged, complete with installation instructions.
- B. Store off ground, under cover, protected from weather, construction activities and debris.
- C. Use forklift, pallet jack or equivalent equipment for moving.

1.06 PROJECT/SITE CONDITIONS

Install on a level floor.

1.07 WARRANTY

Alvarado warranties its products against defects in material and workmanship for a period of one (1) year from the date of invoicing. The warranty covers defects in materials and workmanship. Obtain full warranty terms from Alvarado.

PART II – PRODUCTS

2.01 MANUFACTURER

2.02 PRODUCT

Alvarado SW1000 motorized pedestrian gate, no substitutions. Features of the gate shall include: motorized bi-directional movement; single or bi-directional access control; 36" passage width; user adjustable barrier cycle and dwell times; emergency override/fire alarm input;

2.03 CONSTRUCTION

A. Post:

1. The post is a 6" OD (152mm) cylindrical assembly fabricated from #304 stainless steel. The post has an injection molded black top cap made from ABS.

B. Internal Frame:

1. A powder coated internal steel frame houses electronics, motor, power supply and mechanical components.

C. Moving Barrier:

1. The moving barrier is fabricated from .5" (13mm) thick cast acrylic with an abrasion resistant coating. The barrier provides a 36" passageway when open. The low panel height is 39" high; the mid panel height is 46" high (measured from the floor to the top of the barrier).

2.04 EQUIPMENT

- A. General: The gate shall have the ability to provide (1) controlled passage in both directions or (2) controlled passage in one direction and free passage in the opposite direction through use of an optional motion sensor provided by manufacturer.

2.05 SECURITY EQUIPMENT

- A. Reader or Activation Device Integration: Card readers or activation devices are to be installed in the field by installer. Readers and activation devices are not part of the product and cannot be installed on the gate. Alvarado offers pedestals for attachment of readers; or activation devices can be installed at a guard or attendant station.

2.06 FINISHES

(NOTE TO SPECIFIER: Select the finish desired)

- A. Stainless Steel: The post is fabricated from #304 stainless steel material, polished to a satin (#4) finish.
- B. Powder Coat over Stainless Steel: The post is fabricated from #304 stainless steel and then painted in a powder coat color specified by the project requirements.

2.07 OPTIONS

- A. Tandem Gate Set (SW1000T): The SW1000 is available as a tandem gate set consisting of two gates that operate in tandem. Posts are on either end with panels facing inward. The SW1000T provides approximately double the passage opening as an SW1000.
- B. Alternate Finishes: The stainless steel post can be powder coated in one of Alvarado's many available colors. Mirror polished stainless steel is also available.
- C. Barrier Width: Barrier widths can be customized to meet unique installation requirements.
- D. Barrier Etching: The customer's choice of logo/artwork can be etched on the barrier. Submit artwork in a format per manufacturer's instructions.
- E. 220VAC: A 220VAC, 50 Hz power supply and appropriately rated on/off switch is utilized.

- F. Motion Sensor: A motion sensor is added to one side of the SW1000 or SW1000T. As a user moves toward the gate, the motion sensor detects the user and the gate opens in the direction of travel.

Note: before specifying use of the motion sensor option, have the layout and application approved by Alvarado's internal technical support department. Specific layout parameters must be followed for proper operation.

2.08 FACTORY TESTING

- A. Product shall be fully tested at the factory prior to shipment.
- B. Check all mechanical connections.
- C. Check all electrical connections.
- D. Inspect product finish. Touch up prior to shipment.

PART III – EXECUTION

3.01 SITE EXAMINATION

- A. Inspection: Installer must examine the installation location and advise the Contractor of any site conditions inconsistent with proper installation of the product. Installation shall not begin until unacceptable conditions are rectified. These conditions include but are not limited to the following:
 - 1. Gate must be installed on a level concrete pad.
 - 2. Power and control wiring to come from ground through appropriate conduit, per manufacturer direction, or via alternate methods if manufacturer is contacted and approves.
- B. Installation: Install in accordance with manufacturer's instructions and secure to adjacent solidly anchored structure or equipment.
- C. Adjustment: Adjust the gate after installation following the manufacturer's directions.
- D. Instruction: A factory trained installer shall demonstrate to the owner's maintenance crew, or designated representative, the proper operation and the necessary service requirements of the equipment, including exterior maintenance.
- E. Cleaning: Clean gate and area carefully after installation to remove excess caulk, dirt and labels.

Note: Alvarado Mfg. Co., Inc. reserves the right to change this specification at any time without notice.