ALVARADO
dormakaba Group

ARCHITECTURAL SPECIFICATION
TAS12-AS1 Intelligent Admission Pedestal

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

AVAILABLE FINISHES
TAS12-AS1-SS – Stainless Steel
TAS12-AS1-PF – Powder Coat Finish

SECTION 11 14 00 – Pedestrian Control Equipment
SECTION 28 10 00 – Electronic Access Control and Intrusion Detection

PART I – GENERAL

1.01 SECTION INCLUDES
A. This section covers the furnishing and installation of an intelligent admission pedestal that allows patrons to self-scan entry credentials.

B. For further information, contact Alvarado at +1 909.591.8431, or email information@alvaradomfg.com.

1.02 QUALITY ASSURANCE
A. Manufacturer shall be a company specializing in the manufacture of intelligent admission turnstiles and pedestals for a minimum of 10 years.

B. Installer shall have at least one year of experience installing similar equipment, or shall supply a factory representative during installation of the product.

1.03 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.

1.04 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.

1.05 PROJECT/SITE CONDITIONS
Install on a level concrete pad.

1.06 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
Alvarado Mfg. Co., Inc. 12660 Colony Street, Chino, CA 91710.

2.02 PRODUCT

TAS12-AS1 Intelligent Admission Pedestal, no substitutions.

2.03 CONSTRUCTION

A. Scan Head
1. The Scan Head assembly shall be #304 stainless steel. The Scan Head assembly includes:
2. A 1D/2D bar code scanner that scans printed and digital bar codes displayed on paper, smart phones and wristbands.
3. A 700 nit 5.7" (diagonal) color TFT Display.
4. An internal speaker that plays audible sounds (.wav files) typically used to provide an audio notification of presented credential status to patrons and attendants.
5. LED lights (yellow/green/red) in the back of the assembly. These lights are typically used to notify attendants of presented credential status. Unique light combinations can be associated with select ticket types to provide notification to attendants of special tickets such as "child", "senior" or "VIP".
6. An Access Controller which communicates to Alvarado's GateLink10 access control software or to third party access control software using Alvarado's *DirectConnect API.*

B. Enclosure:
1. The enclosure shall be formed and welded 16-gauge stainless steel. Exterior welds are ground smooth and polished. There shall be no exterior fasteners visible on the enclosure.
2. The lid shall be 16-gauge stainless steel, have hinged operation and shall contain one cam lock assembly to securely attach the lid to the enclosure. The mating between the lid and enclosure shall be flush (not overlapping).
3. The interior portion of the enclosure shall have a splash lip at the point where the lid and enclosure meet to protect the interior portion of the enclosure from water.

C. Mounting Post:
1. The mounting post shall be 3" OD x 7-gauge steel. The post is anchored to the floor via expansion anchors. A two piece cover fits over the mounting flange to hide attachment bolts. The pedestal enclosure attaches to the mounting post.

2.04 EQUIPMENT

A. General:

1. The pedestal shall provide patron self-validation of bar coded entry credentials.
2. Upon validation of a presented credential, the pedestal will instruct the user to pass.
3. The pedestal shall provide operational instructions to patrons via the color display. This includes instructions for validation as well as the status of presented credentials. The pedestal shall have the capability to provide instructions in the form of graphics and text. Text can be in any language.
4. The pedestal shall provide audio instructions to patrons and attendants.
5. Graphics, text and audio can be changed, as desired, by uploading files to individual or all pedestals from a server.
6. Red/green/yellow LED lights in the rear of Scan Head shall provide notification to facility attendants of the status of presented credentials. Unique LED light combinations can be associated with select ticket types to provide notification to attendants when special tickets, such as a "child", "senior" or "VIP", have been scanned.
7. In the event that communication to the access control server is not possible, the pedestal shall have the capability to validate credentials "offline". When communication to the server is restored, tickets validated offline are automatically uploaded to the server.
8. The pedestal shall include a diagnostic utility accessed through the device touchscreen. The utility allows operators to test pedestal functionality and make configuration changes.

B. Electrical Operation:
1. A UL rated power supply provides power to the pedestal. Pedestal operation to be low voltage 12VDC and 5VDC operation.

2.05 SECURITY EQUIPMENT
  A. <u>Reader or Activation Device Integration</u>: The pedestal validates 1D/2D bar coded credentials. Options to validate additional media, such as RFID are available. See Options section below.

2.06 FINISHES

(NOTE TO SPECIFIER: Select the finish desired)

  A. <u>Stainless Steel</u>: The enclosure and lid shall be fabricated from stainless steel with a #4 satin finish.

  B. <u>Powder Coat</u>: The mounting post shall be painted in a powder coat color specified by the project requirements. The stainless steel enclosure, lid and scan head assembly shall not be painted.

2.07 OPTIONS

(NOTE TO SPECIFIER: Select the options desired)

  A. <u>Alternative Media Readers</u>: Other media readers, such as an NFC/RFID reader or a magnetic stripe reader, can be added to the pedestal.

  B. <u>Factory Preparation for Additional Scan Head</u>: The pedestal can be factory prepped to allow field installation of a second scan head on the rear of the lid. A second scan head allows the pedestal to support entry/exit validation or attendant assisted applications.

  C. <u>High-Speed Printer</u>: An integrated high-speed receipt type printer can be added to the pedestal.

  D. <u>Portable (AC Powered)</u>: The pedestal attaches to a black powder coated baseplate. A rear AC plug is provided to power the pedestal. Wireless communication only.

  E. <u>Portable (Battery Powered)</u>: The pedestal attaches to a black powder coated baseplate. A battery installed vertical to the mounting post supplies power. Wireless communication only.

  F. <u>Vinyl Cover</u>: A cover protects the pedestal when not in use. Covers are available in multiple colors.

  G. <u>Wireless Communication</u>: Wi-Fi communication (802.11a,b/n)

  H. <u>220VAC</u>: A 220VAC 50-60 Hz UL rated power supply is provided.

2.08 FACTORY TESTING
  A. Product shall be fully tested at the factory prior to shipment.

  B. Check all electrical connections.

  C. Provide factory burn-in testing.

  D. Inspect product finish. Touch up prior to shipment.

PART III – EXECUTION

3.01 SITE EXAMINATION
  A. <u>Inspection</u>: 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. Pedestal must be installed on a level concrete pad.
      2. Primary power must be installed prior to installation.
      3. Power and control wiring to come from the ground through conduit stub up locations per manufacturer direction, or via alternative methods if manufacturer is contacted and approves.

  B. <u>Installation</u>: Install pedestal in accordance with manufacturer's instructions.

  C. <u>Adjustment</u>: Installer shall adjust pedestals for proper performance after installation.

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 pedestal and area carefully after installation to remove excess caulk, dirt and labels.

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

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