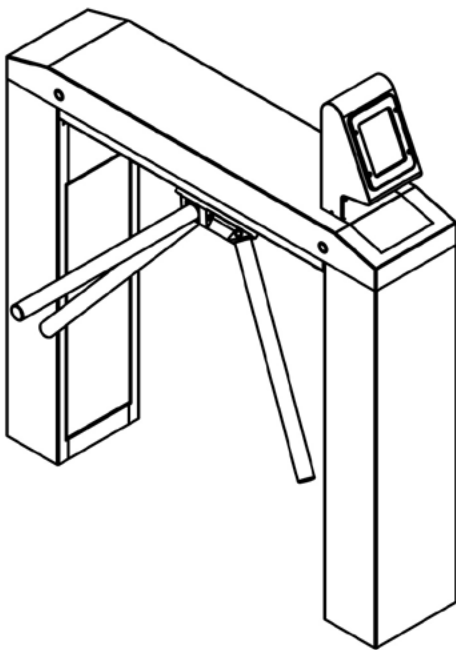
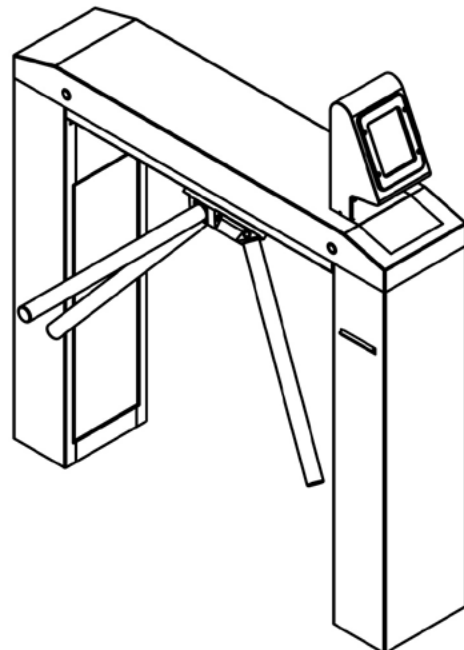


TAS12-EDM & TAS12P-EDM
MOTORIZED INTELLIGENT ADMISSION TURNSTILE



TAS12-EDM



TAS12P-EDM

Installation Instructions

Alvarado Manufacturing Company, Inc.
12660 Colony Street, Chino, CA 91710
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support@alvaradomfg.com
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Please read this entire manual before installing or operating the product.



Safety Icons

The following symbols are used throughout the manual to highlight important information and potential risks when installing, servicing or using the turnstiles covered in this manual.



WARNING

This symbol is used in this manual to warn installers and operators of potential harm. Please read these instructions very carefully.



CAUTION

This symbol is used in this manual to designate potential conditions that may pose a risk to pedestrians, personnel, property and equipment. Please read these instructions very carefully.

NOTE

This symbol is used in this manual to designate useful information for the installer and operator. Please read these instructions.



For questions, please contact Alvarado at +1 (909) 591-8431, Mon. – Fri. 7:00am to 4:00pm PST. Please read this manual completely before installing or operating the product.

Safety Precautions



WARNING

- Use only skilled individuals to install and service the turnstile.
- The turnstile is not a toy. Do not allow children to play on or near the turnstile.
- Follow a proper maintenance schedule using skilled individuals.
- Do not operate the turnstile if it has been damaged, or is functioning incorrectly, in any manner. Have the turnstile repaired by a skilled service person before placing back in use.
- Do not modify or alter the turnstile.
- Use only Alvarado parts when repairing or maintaining the turnstile.
- Ensure that patrons are supervised when using the turnstiles.
- Test the turnstile(s) daily, or prior to each event, to ensure proper functionality.

SAVE THESE INSTRUCTIONS

Upon completion of the installation process, it is the installer's responsibility to provide the project or site manager with these Installation Instructions and the Operation and Maintenance Instructions.



Tools Required (Fixed Turnstile Installation)

- Socket Wrench
- Hammer Drill
- 5/8" Concrete Drill Bit
- Shop Vac
- 5/32" Allen Wrench
- 5/16" Open Wrench (Wireless antenna only)
- #2 Phillips Head Screwdriver
- Precision Flat Head Screwdriver
- Torque Wrench (ft-lbs)
- 9/16" Socket
- Hammer
- Tape Measure
- Chalk
- 5/8" ID Washer Shims
- Clear RTV Silicone

NOTE

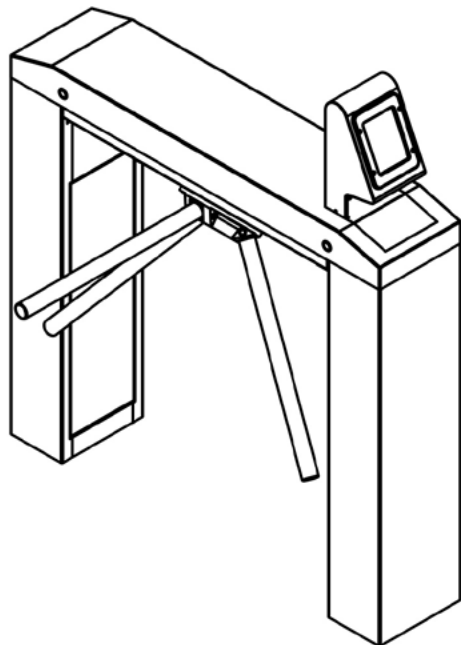
Tools required for Portable Base Turnstile installations are located in Appendix A - Portable Base Turnstile on page 24.



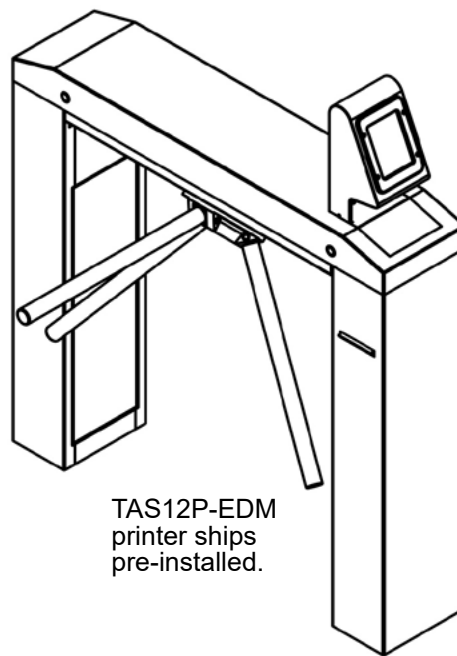
Parts List

This product is shipped with installation hardware. Make sure that no parts are missing or damaged before beginning installation. If parts are missing or damaged, please stop the installation and contact Alvarado. Additional copies of this installation manual can be found at www.alvaradomfg.com.

TAS12-EDM

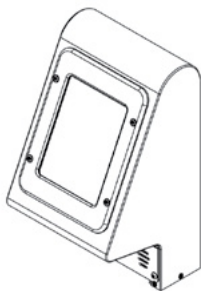


TAS12P-EDM



TAS12P-EDM
printer ships
pre-installed.

Turnstile
(Qty 1)



TAS12
(Qty 1)



Wireless Antenna*
(Qty 1)

*Wireless Option Only

Also included:

Anchoring Hardware

- Concrete Anchor Kit (Qty 1)

Keys (per turnstile)

- Turnstile Lid Keys (Qty 2)

Cabling

- RS232 Programming Cable (Qty 1)

NOTE

Turnstile lid keys are taped to the turnstile arm. Make sure to locate these keys prior to discarding product packaging



Overview

This manual covers the physical installation process for TAS12-EDM, TAS12P-EDM, & DTAS12-EDM Motorized Intelligent Admission Turnstiles. At the end of this process, you will be able to power up the turnstile and perform a basic functions check to validate certain aspects of operation. Operation instructions are outside the scope of this manual, and can be found in the *Operation and Maintenance Instructions* manual.

Power

The turnstile is powered in one of three ways:

- Primary power - Primary power is run to the turnstile location via conduit and connected to terminal block located inside the turnstile cabinet. Applicable to fixed installations only.
- AC outlet - The turnstile is connected to an AC outlet using an exterior mounted AC inlet and extension cord. Applicable to portable installations only.
- Rechargeable battery - The battery is charged by connecting to an AC outlet using an exterior mounted AC inlet and extension cord. Applicable to portable installations only.

Before you begin, understand how your turnstiles will be powered. This manual focuses on primary power connection for the basis of instruction. Instructions on AC outlet and battery connections can be found in Appendix A on page 24.

Communication

Alvarado's Motorized Intelligent Admission Turnstiles are networked devices that communicate with Alvarado's access control software (GateLink or GateConnect) via wired or wireless TCP/IP. How a turnstile communicates with the network (wired or wireless) is dependent on what options were specified during the ordering process, and the type of network used at the host facility. The turnstile will ship pre-configured with the network settings provided to Alvarado during the ordering process.

When powered up, the turnstile should automatically connect to the server (provided the server is online). Network configuration and troubleshooting is outside the scope of this manual. If you require additional information or instruction, seek direction from your network administrator or project manager.



Installation Steps

Fixed Installation

1. Anchor the turnstile to the concrete slab.
2. Connect primary power.
3. Mount the TAS12 unit to the turnstile lid.
4. Attach the TAS12 wireless antenna (if applicable).
5. Connect cables that interconnect the turnstile and TAS12 unit.
6. Connect the Ethernet cable for network communication (if applicable).
7. Inspect installation.
8. Perform a post-installation functions check.
9. Hand off instruction manuals to the project or site manager.

Portable Installation

1. Install the guide rail to the portable base plate.
2. Mount the TAS12 unit to the turnstile lid.
3. Attach the TAS12 wireless antenna (if applicable).
4. Connect cables that interconnect the turnstile and TAS12 unit.
5. Connect the Ethernet cable for network communication (if applicable).
6. Inspect installation.
7. Wire Neutrik connector to AC power cord (AC power cord not supplied by Alvarado).
8. Connect to an AC power source.
9. Perform a post-installation functions check.
10. Hand off instruction manuals to the project or site manager.

Before you Begin

Depending on whether you are installing fixed or portable turnstiles, certain sections of this manual may not be applicable to your installation.

- For fixed turnstile installations, proceed to the Installation Instructions beginning on page 8.
- For portable turnstile installations, proceed to Appendix A - Portable Base Turnstile on page 24.



Site Preparation

Use only skilled technicians for site preparation and installation of the turnstile using Alvarado's instructions. Refer to the footprint and plan drawings [Figures 1 & 2] to determine the installation location and conduit requirements. See Appendix A on page 24 for footprint and plan drawings for the Portable Base Turnstile.

Slab Requirements

- Use a level, solid concrete pad with minimum size of 4' x 4' and a minimum thickness of 4" (101.5mm).
- Do not install the turnstile on asphalt.

Space & Conduit Requirements

- There must 2" (50.8mm) of clearance between the turnstile arm and the adjacent turnstile or barrier [Figure 1].
- Stub up conduit in accordance with local electrical codes.
- Always verify the layout of the turnstile(s) before installation.

Fig. 1

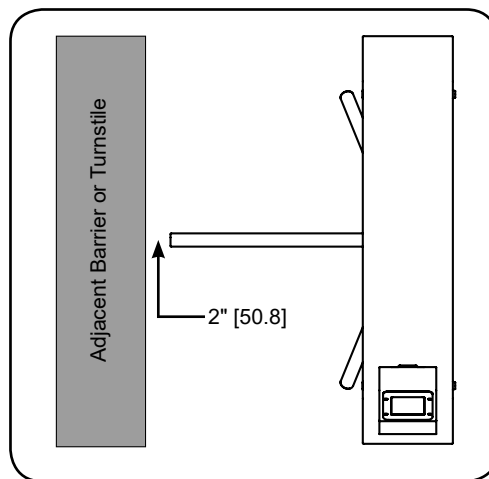
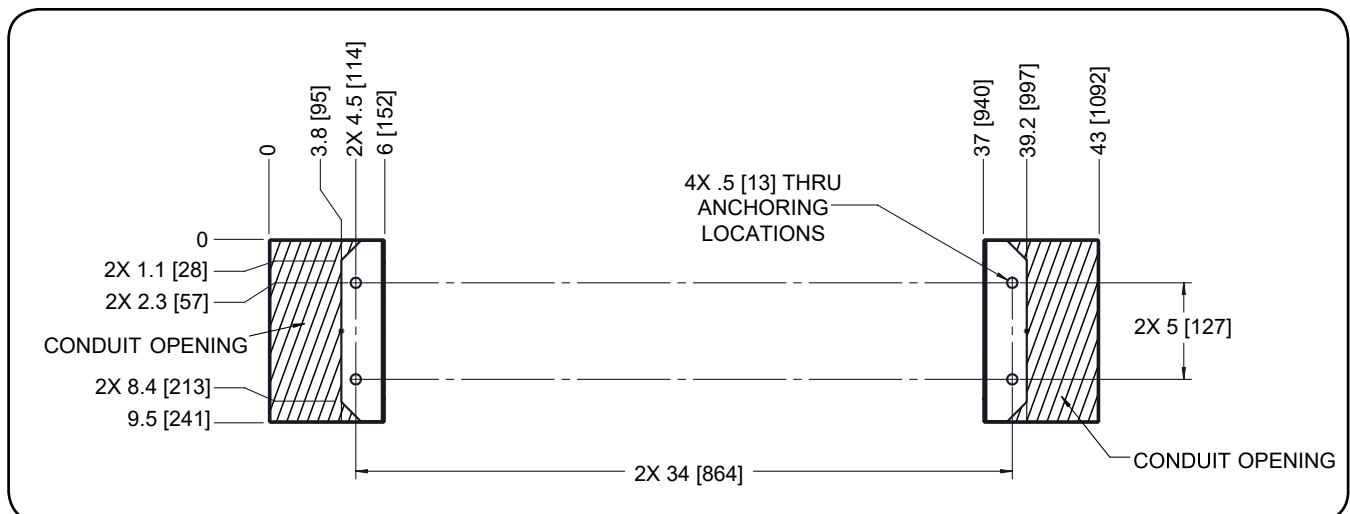
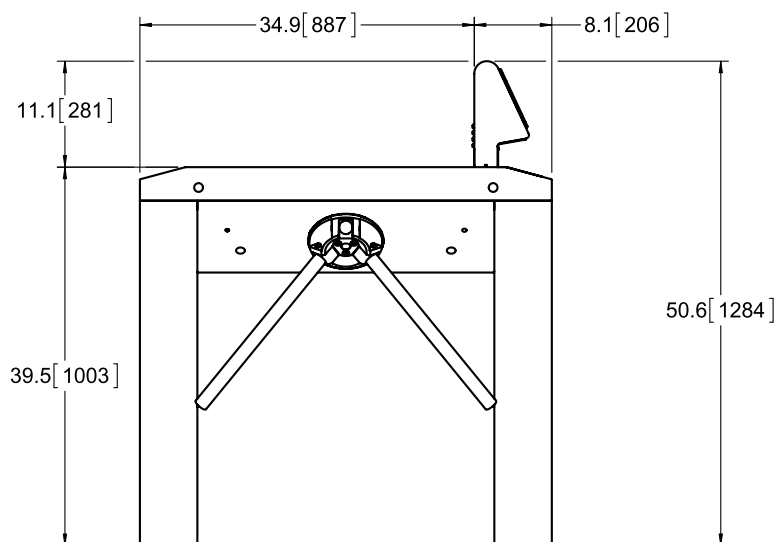
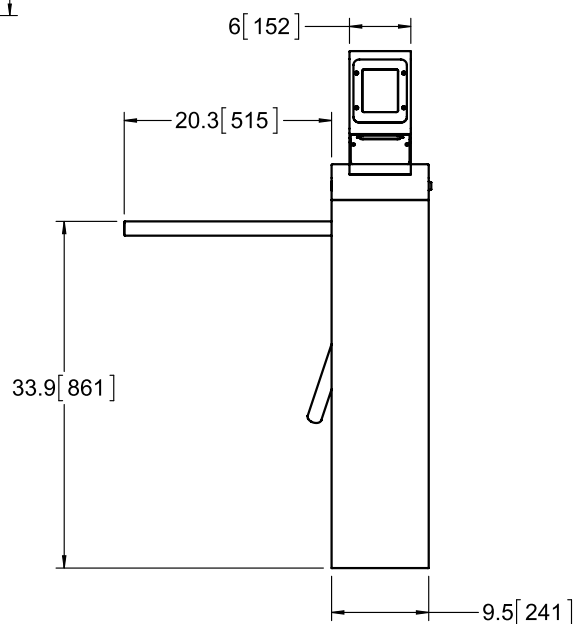
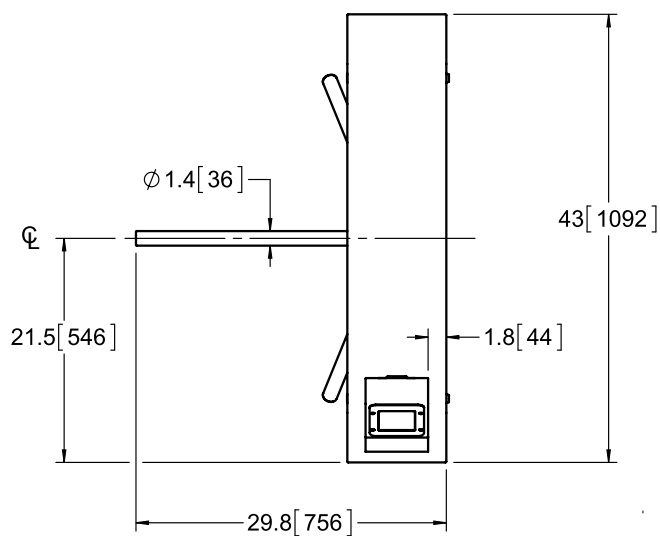


Fig. 2



**Space & Conduit Requirements (cont.)****Fig. 3a****Fig. 3b****Fig. 3c**



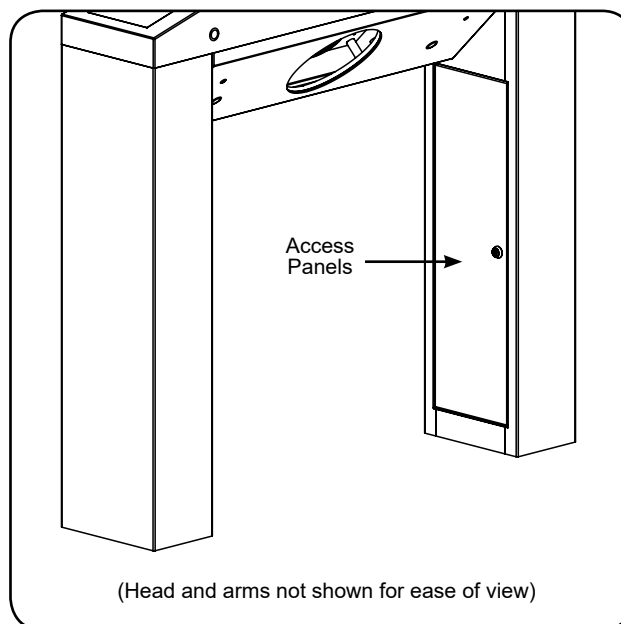
Anchoring the Turnstile

1. Using a turnstile lid key, open the turnstile leg access panels [Figure 4].
2. Using a 9/16" socket wrench, remove the four (4) bolts that secure the temporary wood plate to the turnstile. Discard the wood plate.
3. Place the turnstile in the desired location. Check that the turnstile is level and does not rock. If the turnstile is not level, shimming will be required before anchoring.

NOTE

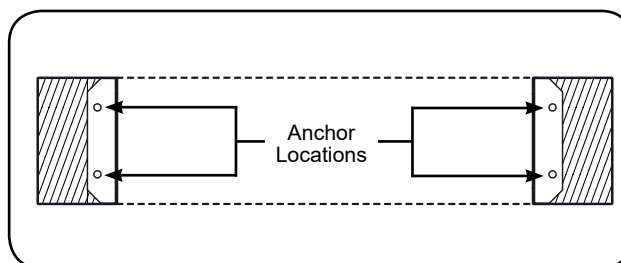
Primary power terminal block and power button are always located on the secured or internal side of the facility. Keep this in mind when placing the turnstiles according to project layout.

Fig. 4



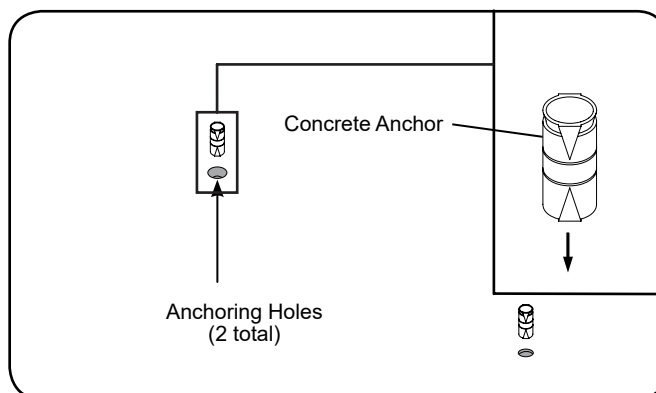
4. Transfer four (4) anchor locations to the floor [Figure 5].
5. Move the turnstile to the side.
6. Using a hammer drill fitted with a 5/8" concrete bit, drill each anchor hole to a depth of 3" (76.2mm).
7. Using a shop vac, vacuum debris from the anchor holes before installing the anchors. If the holes are not clear of debris, the anchors may not tighten properly.

Fig. 5



8. Insert anchors into the drilled holes with the threaded ends down. If needed, use a hammer to tap the anchors into place. Ensure that the anchors are flush with the concrete floor [Figure 6].
9. Return the turnstile to the install location, ensuring the anchors holes are aligned.
10. Route primary power wiring and network cable (if using) through the appropriate conduit opening into the turnstile. Primary power wiring will be connected in later steps.
11. Insert anchor bolts.
12. Using a torque wrench (ft.-lbs.) and 9/16" socket, torque the threaded rods to 20 ft.-lbs.
13. For outdoors installations, apply a thick bead of clear RTV silicone around the base of turnstile legs to seal.

Fig. 6





Primary Power Wiring Instructions

NOTE

The following instructions are for fixed turnstile installations only. If you are installing a portable AC-powered or battery-powered unit, please refer to Appendix A - Portable Base Turnstile instructions on page 24.

⚠ WARNING

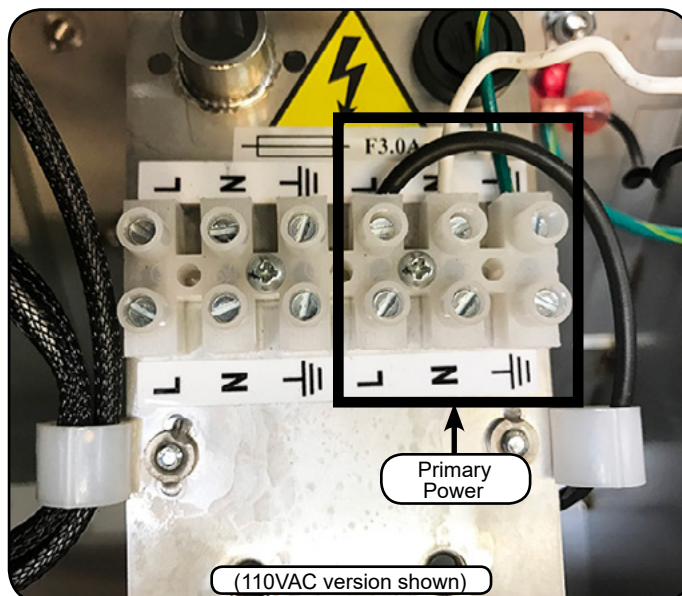
- Use a licensed electrician for the following steps and adhere to all applicable local codes.
- **MAKE SURE PRIMARY POWER IS TURNED OFF AT THE BREAKER.**

1. Using a turnstile lid key, open the cabinet lid.
2. Locate the six-pole primary power terminal block [Figure 7].
3. Using a precision flat-head screwdriver, connect primary power wires according to the Table 1.

Table 1

Terminal	110V	220V
<u>L</u> ine	Black	Brown
<u>N</u> eutral	White	Blue
<u>G</u> round	Green	Green/Yellow

Fig. 7



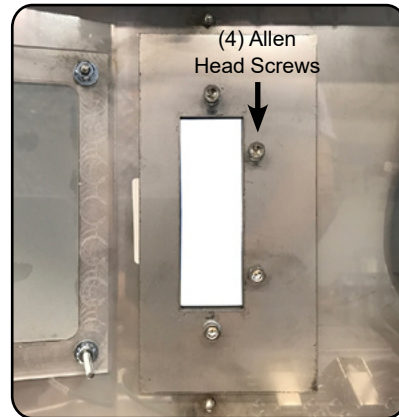


TAS12 Installation

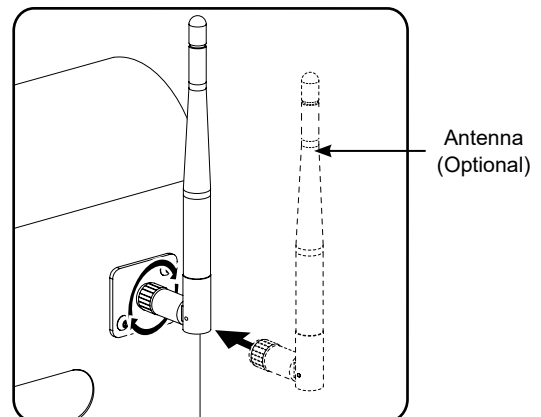
NOTE

If you are installing a Dual TAS12 turnstile, the TAS12 units will be labeled ENTRY and EXIT. It is the responsibility of the installers to ensure the entry and exit TAS12 units are installed in accordance to your project layout.

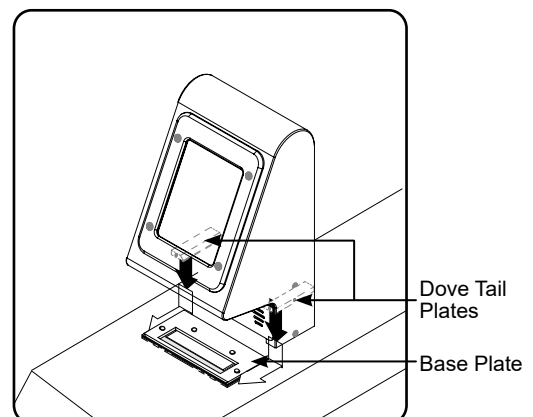
1. Locate the (4) Allen head screws on the underside of the turnstile lid [Figure 8].
2. Using a 5/32" Allen wrench, **loosen** the (4) Allen head screws.

Fig. 8

3. If the turnstile was ordered with the wireless communication option, the antenna will be taped to the side of the TAS12 unit. Remove the antenna and attach it to the back of the TAS12 using an 5/16" open wrench [Figure 9].
4. In case not already done, remove all packaging from the TAS12 unit.

Fig. 9

5. Place the TAS12 onto the lid and slide the unit forward [Figure 10]. The base plate will act as a guide; the dove tail plates will slide under the base plate until they are flush with the front edge of the base plate.
6. From the underside of the lid, use a 5/32" Allen wrench and tighten the four (4) Allen head screws.

Fig. 10



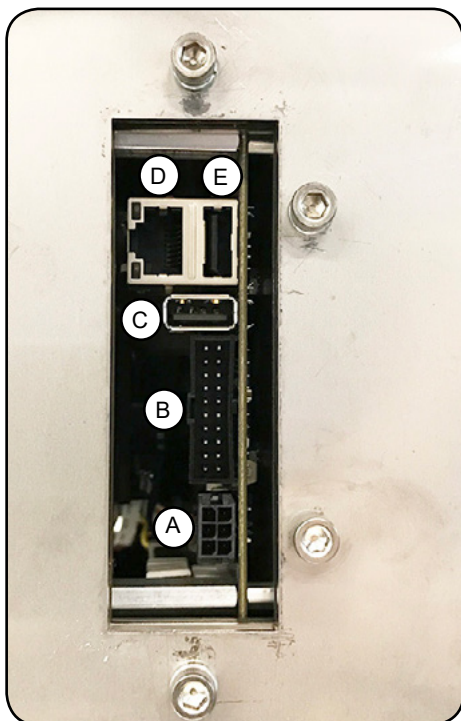
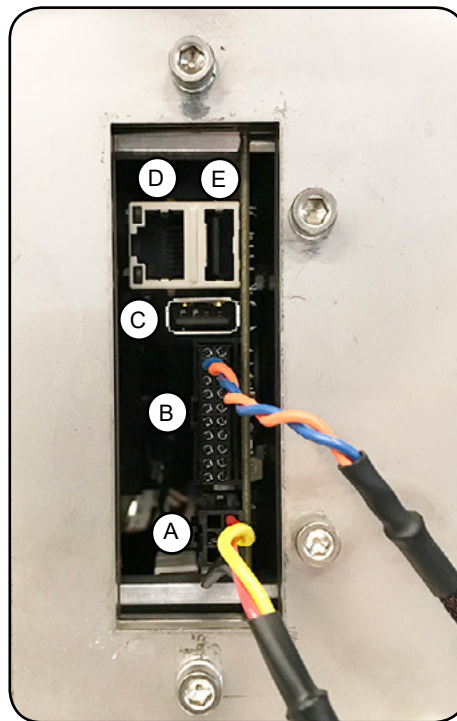
TAS12 Connection Instructions


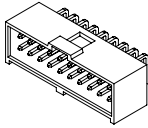
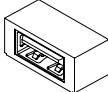
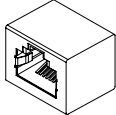
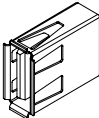
NOTE

Ensure turnstile power is OFF before connecting TAS12 cabling.

TAS12 Inputs

TAS12 cables are routed to the TAS12 mounting location. Depending on the turnstile options ordered, not all wiring instructions may be applicable.

Fig. 11

Fig. 12


	1. Power Input - Used to supply power to the TAS12. Plug the 6-pin power connector into the power input (A).
	2. Interface Input - TAS12 RS485 communication. Plug the 20-pin connector into the interface input (B).
	3. Printer Input (TAS12P-EDM Only) Plug the USB printer cable into a USB port (C or E).
	4. Ethernet (Wired communication only) Used for communication with local area network. Plug the Ethernet cable into the Ethernet port (D).
	5. Mag Stripe/RFID Reader Input (Optional for TAS12P-EDM models only) Plug the mag stripe or RFID reader's USB cable into a USB port (C or E).



Post-Installation Inspection

Perform this post-installation inspection BEFORE powering on the turnstile for the first time.

1. Anchoring (fixed installations only): Verify the anchor bolts are tensioned to 20 ft-lbs. Tighten if necessary.
2. TAS12: Verify the TAS12 mounting screws are tightened. Tighten if necessary.
3. Dust, Dirt, & Debris: While the unit is powered down, open the lid to reveal the interior electronics. Blow any dirt, dust, and small debris out of the turnstile with low-pressure compressed air such as Dust-Off.
4. Wiring: Inspect all wires and contacts for exposure to any metal parts that may lead to a short.

Post-Installation Functions Check

Perform the following checks to verify the turnstile is performing properly. Function checks are included for optional peripherals (i.e. RFID, mag stripe reader, printer) and may not be applicable to your installation. If any problems are encountered, please refer to the Troubleshooting section on page 23.

NOTE

The following is assumed:

- The GateLink10 server is online and configured for use.
- The network is up and running.
- Thermal printer is loaded with paper (TAS12P-EDM models only).
- Sample credentials (i.e. barcode tickets, magnetic stripe cards, etc.) are available and have been configured as valid credentials in the GateLink10 application.
- The turnstile passed the Post-Installation Inspection.

CAUTION

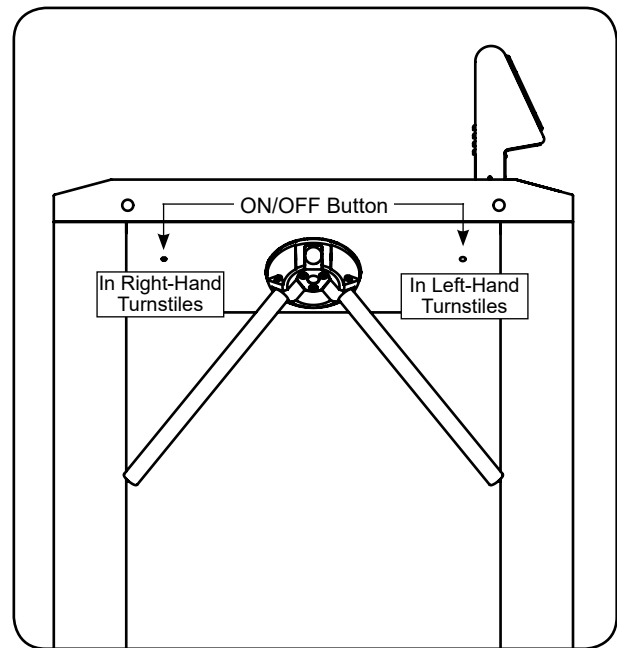
WHEN THE TURNSTILE IS POWERED ON, THE ARMS ROTATE FOR THE DURATION OF THE BOOT UP PROCESS. BEFORE POWERING ON, PLEASE MAKE SURE THE AREA IS CLEAR OF PERSONS OR PROPERTY.



Power On

1. Power on the turnstile by pushing the recessed power button on the arm side of the turnstile cabinet using the eraser end of a pencil (or similar shaped object). The location of the power button will differ depending on if the turnstile is a right-hand or left-hand unit [Figure 13].

Fig. 13

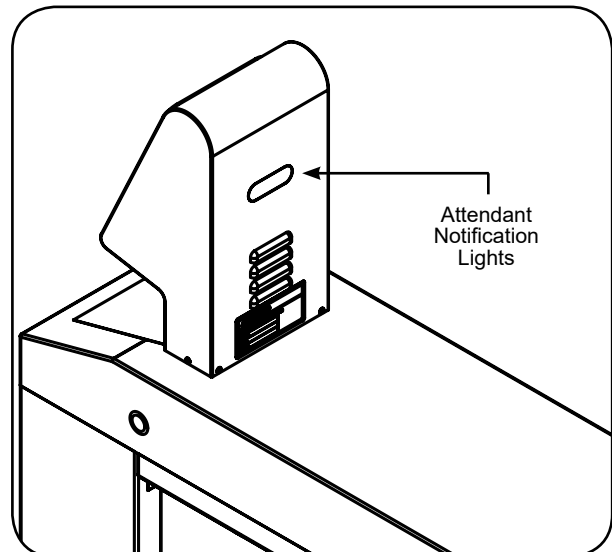


2. Depending on how the turnstile is configured for network communication, the turnstile boot up routine will take approximately 15 seconds to 1 minute.

During boot up:

- The attendant notification lights will flash red while establishing communication with the GateLink 10 server [Figure 14].
- The arms will undergo test rotations.
- At the end of the boot up routine, the arms will rest in the home position, and the TAS12 screen will display a message instructing the guest to scan a ticket.

Fig. 14



NOTE

If the red attendant notification light continues to flash after boot up, communication has not been established with the GateLink 10 server. Refer to the Troubleshooting section on page 23 and notify your network administrator.



Perform TAS12 Device Tests

NOTE

The use of a stylus is recommended for all touch screen operations.

1. Make sure the turnstile is online and communicating with the GateLink10 server.
2. Tap the TAS12 screen three times to bring up the *Operator Login Screen* [Figure 15].
3. Using the on-screen number pad, enter the default numeric Login ID **123**, and press the **ENTER** key.

NOTE

If the default Login ID is invalid, obtain a valid Login ID from the system administrator,

Fig. 15

Enter Login Id

1	2	3	Reconnect
4	5	6	Close
7	8	9	Enter
0		Del	

Perform TAS12 Device Tests (cont.)

1. From the *Operator Functions Menu*, press the **Device Tests** button [Figure 16].

Fig. 16

9/12/2016 10:25:46 AM

Ticket Validation
Delivery ID Validation
Offline Validation Masks
Device Configuration
Device Tests
About
Close



Perform TAS12 Device Tests (cont.)

1. Press the button for the device test to be performed:

- **Print Ticket** - Press this button to print a test ticket from the integrated thermal printer (TAS12P-EDM only).
- **Activate Relay** - Press this button to test the turnstile unlocking / locking functionality. After the turnstile unlocks, rotate the arms. The turnstile arms will re-lock after the rotation. If the arms are not rotated, the turnstile will re-lock after 20 seconds.

If the rotation occurs in the entry direction, a count will appear in *Forward Rotation Count*.

If the rotation occurs in the exit direction, a count will appear in *Back Rotation Count*.

- **Set Green LED On** - Press this button to test the green attendant notification LED. Press the button a second time to turn the LED off.
- **Set Yellow LED On** - Press this button to test the yellow attendant notification LED. Press the button a second time to turn the LED off.
- **Set Red LED On** - Press this button to test the red attendant notification LED. Press the button a second time to turn the LED off.

2. Press the **Close** button to exit the *Device Tests* submenu and return to the *Operator Functions Menu*.

Fig. 17

The screenshot shows a device interface with the following elements:

- Barcode/Card Number**: A text input field at the top.
- Test Mode**: Indicated by three colored dots (green, yellow, red) on the right.
- Forward Rotation Count**: Displayed as 0.
- Back Rotation Count**: Displayed as 0.
- Fan**: Displayed as On, 77°F.
- Buttons**: A grid of eight buttons:
 - Print Ticket (purple)
 - Set Green LED On (green)
 - Activate Relay (bright green)
 - Set Yellow LED On (yellow)
 - Screen Calibration (blue)
 - Set Red LED On (red)
 - Reset Local Counters (grey)
 - Close (light blue)

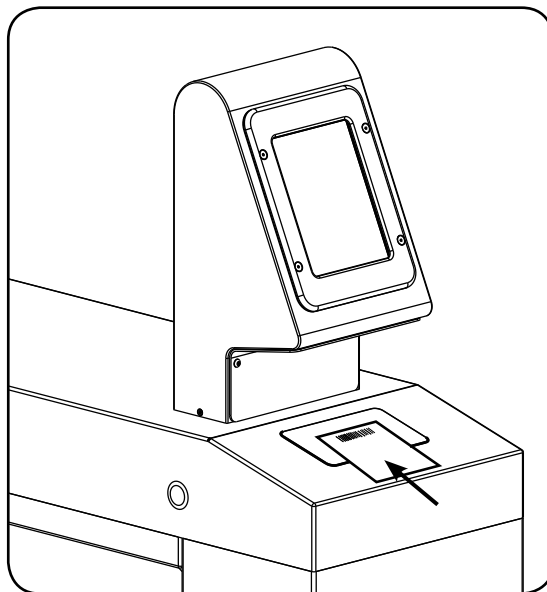


Scan a Sample Barcode Ticket

Scan a sample barcode to activate the turnstile. Each sample barcode is good for one passage only.

1. To scan, place the barcode on the blackout pad facing up towards the imager [Figure 18]. The imager will beep when the ticket has been scanned. After scanning, the barcode is sent to the GateLink10 server for validation.
 - When validated, a chime will sound, "PLEASE ENTER" will display on the TAS12 screen, and the attendant notification lights will show GREEN, prompting entry through the turnstile.
 - When validation fails, an alert will sound, "INVALID SCAN" will display on the TAS12 screen, and the attendant notification lights will show solid RED.

Fig. 18



Validate RFID Media (Optional on TAS12P-EDM only)

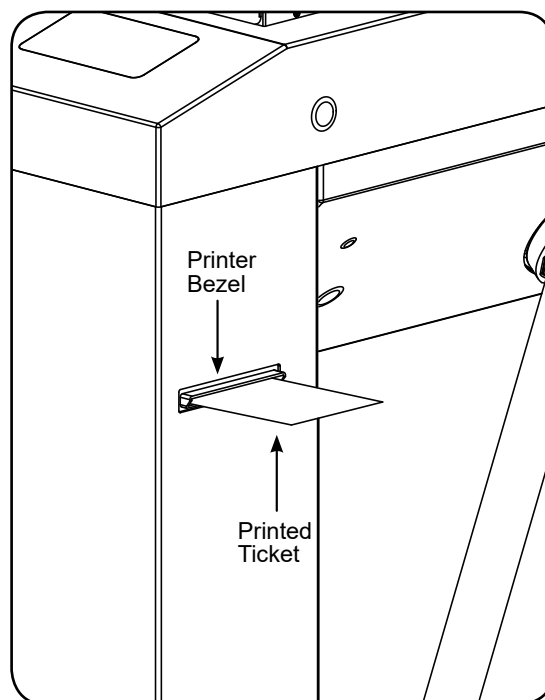
NOTE

This function check is applicable to TAS12P-EDM models equipped with an RFID reader only. Ensure paper is loaded in the thermal printer before beginning.

The RFID reader is located under the blackout pad.

1. To scan an RFID card or wristband, position the media in the center of the blackout pad [Figure 18]. The read range of RFID media varies from .5" – 2", so the best practice is to touch the RFID media in the center of the pad. The reader will beep when the RFID media has been read. After reading, the RFID data is sent to the GateLink10 server for validation.
 - When validated, a chime will sound, the "PRINTING" graphic will display on the TAS12 screen, and the ticket(s) will print and deposit at the printer bezel [Figure 19].
 - When validation fails, an "INVALID SCAN" graphic will display on the TAS12 screen and an alert will sound.
2. Scan the printed ticket by placing the barcode on the blackout pad facing up and towards the turnstile [Figure 18]. When validated, a chime will sound, a "PLEASE ENTER" graphic will display on the TAS12 screen, and the attendant notification lights will show GREEN, prompting entry through the turnstile.

Fig. 19





Test Drop Arm Operation

The turnstile is designed for the horizontal arm to drop upon loss of power.

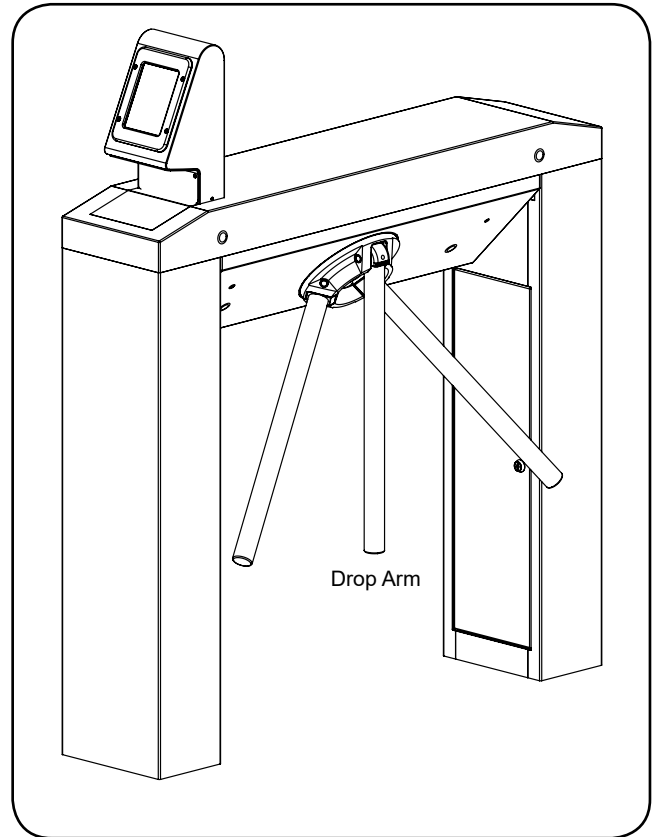
To test drop-arm functionality:

1. Power OFF the turnstile
2. Verify the horizontal arm drops allowing free egress [Figure 20].
3. Power ON the turnstile and verify the arms reset and lock in the home position.

CAUTION

When the turnstile is powered on, the arms rotate for the duration of the boot up process. Before powering on, please make sure the area is clear of persons or property.

Fig. 20

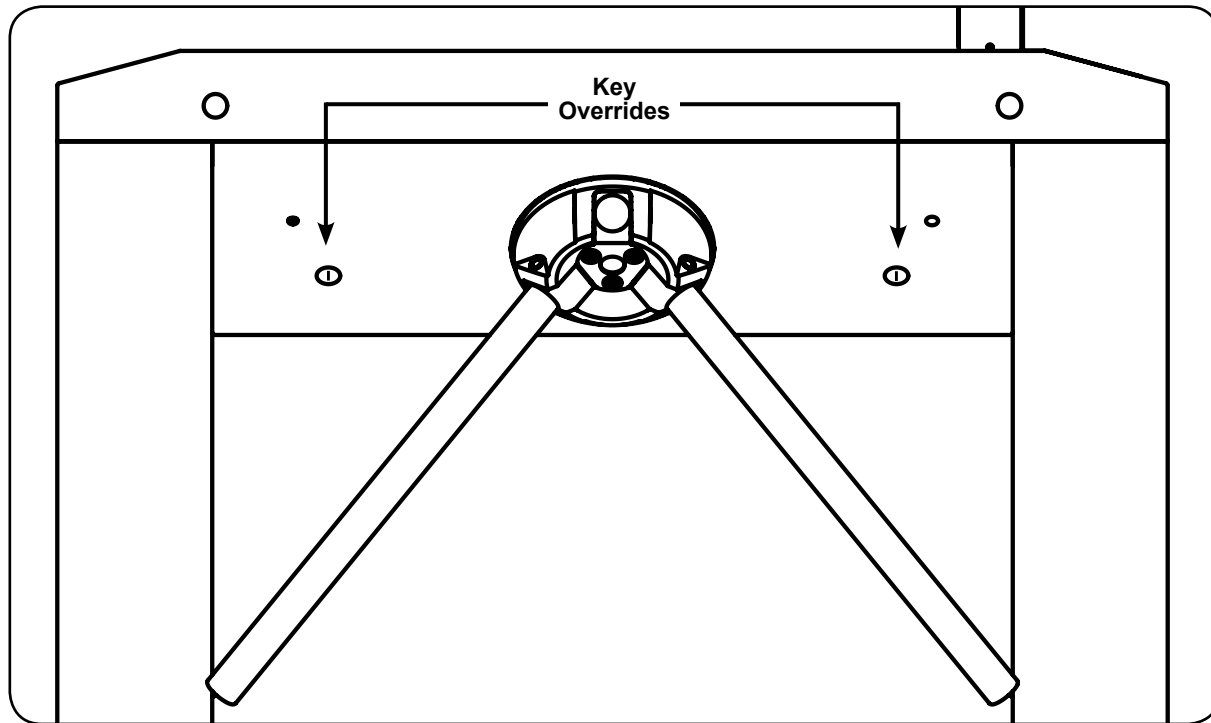




Test Key Override Operation (Optional)

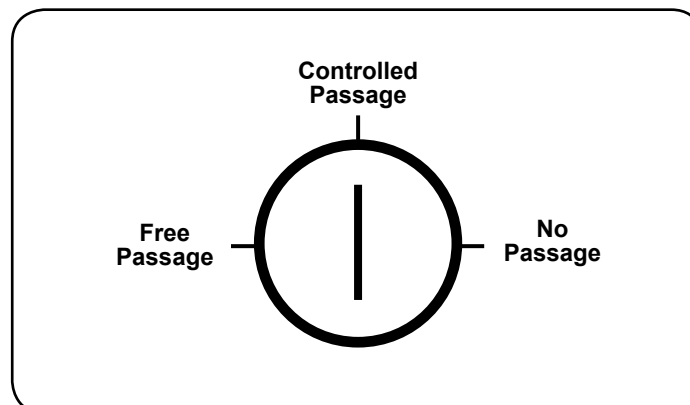
Key Override switches are provided to manually place the turnstile in one of three passage modes: Free Passage, Controlled Passage, and No Passage. There is one key override switch per rotation direction. The key switches are located on the underside of the of the turnstile adjacent to the head and arms [Figure 21].

Fig. 21



1. Turn key to the **LEFT** position for Free Passage mode: Verify the arms rotate freely in the appropriate direction. If you have User Notification Lights installed, verify the **GREEN** light is illuminated.
2. Turn key to the **CENTER** position for Controlled Passage mode: Verify the arms are locked in the appropriate direction and unlock with valid credentials. If you have User Notification Lights installed, verify the **YELLOW** light is illuminated until activation occurs, in which it turns **GREEN**.
3. Turn key to the **RIGHT** position for No Passage mode: Verify the arms are locked in the appropriate direction and remain locked even if valid credentials are presented. If you have User Notification Lights installed, verify the **RED** light is illuminated.

Fig. 22





Test the Local Counter (Optional)

The battery-powered LCD counter is used to count turnstile rotations. Each rotation of the turnstile arm generates a count. One counter is required per direction of rotation.

1. Place the turnstile in Free Passage Mode using the Key Override.
2. Rotate the turnstile arms several times. Verify that the counter is registering each rotation.
3. To reset the counter, use the counter reset key and turn 90°. The counter reset lock is located next to the counter display on the turnstile lid.

Fig. 23

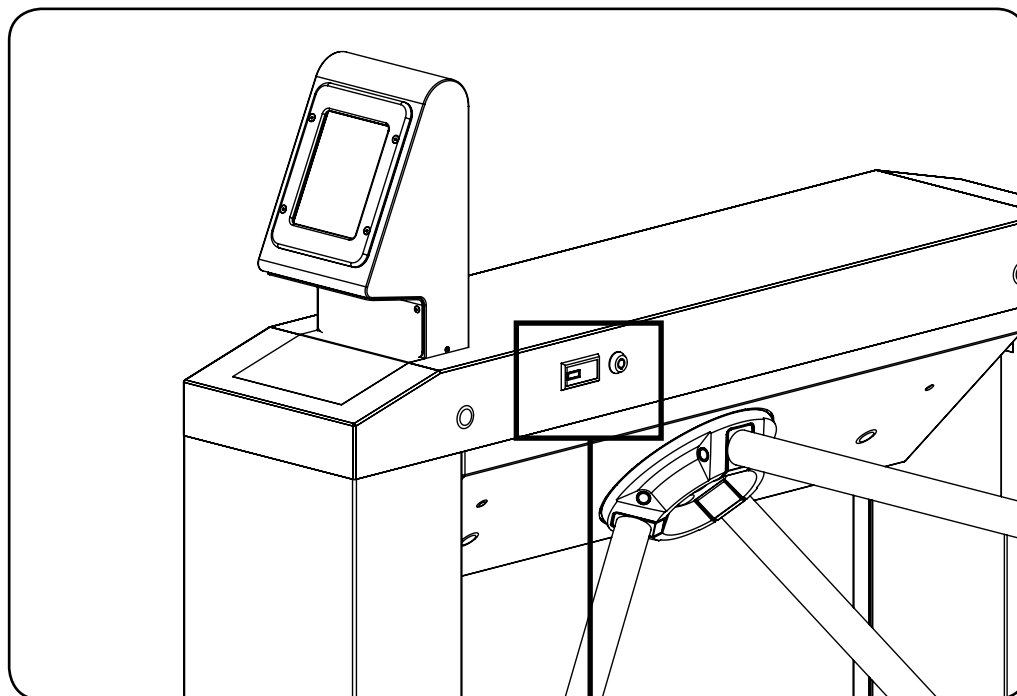
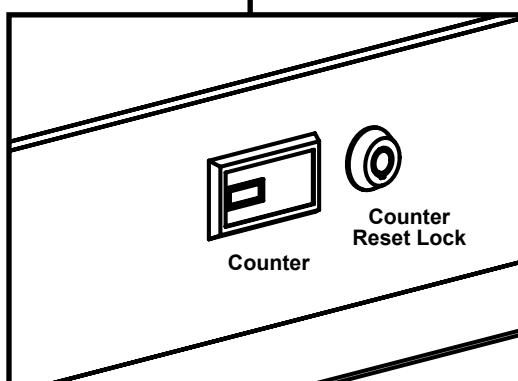


Fig. 23a





Post-Installation Checklist

1. Power On
 - ☐ Verify the TAS12 boots up successfully.
2. Perform TAS12 Device Tests
 - ☐ Print a test ticket (TAS12P-EDM Only)
 - ☐ Activate the relay
 - ☐ Test the green/yellow/red attendant notification lights
3. Credential Validation
 - ☐ Scan a sample barcode ticket
 - ☐ Validate a magnetic stripe card (TAS12P-EDM only)
 - ☐ Validate an RFID media (Optional on TAS12P-EDM only)
4. Turnstile Operation
 - ☐ Test Drop-Arm functionality
 - ☐ Test Key Override operation (Optional)
 - ☐ Test counter operation (Optional)
5. Battery Operation
 - ☐ Verify battery is charging properly after being plugged into an AC power source. (Portable Battery-Powered Option only)
6. Attachment
 - ☐ Check that the mounting bolts and screws are secure and tightened per the requirements in this manual.
7. Finish
 - ☐ Stainless Steel – Wipe down the entire turnstile with a damp cloth or used the Alvarado recommended commercial products (see Operation and Maintenance Instructions).
 - ☐ Powder Coated - Wipe down entire turnstile with a damp cloth.
8. Manuals Handoff
 - ☐ Provide both these Installation Instructions, and the Operation and Maintenance Instructions to the project or site manager.



Troubleshooting

This basic troubleshooting section is provided to aid installers with the most commonly encountered installation problems. If you require more troubleshooting assistance, see the Operations and Maintenance Instructions.

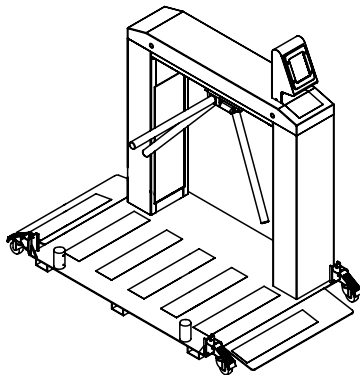
Problem	Possible Cause	Solution
After powering ON the turnstile, the TAS12 display screen does not light up.	No primary power to the turnstile.	Verify power is ON at the circuit breaker.
	The AC electrical cord is unplugged (portable models only)	Ensure the AC electrical cord is firmly connected at both ends.
	The battery charge is depleted. (Portable battery-powered models only)	Check the battery status meter on the battery located in the turnstile leg. Recharge the battery if under 50% charge.
	Primary power wiring is connected improperly.	Refer to Primary Power Wiring Instructions on page 11. Ensure wiring is connected accordingly.
	TAS12 power connector is disconnected.	Check 6-pin power connector and reconnect if necessary.
The red LED on the back of the TAS12 unit is flashing, indicating it is offline.	Unplugged Ethernet cable (wired configuration only).	Reconnect the Ethernet cable to the TAS12 and the switch/access point.
	Wireless antenna is not connected properly or damaged (wireless configuration only).	Verify the wireless antenna is connected properly and not broken.
	Incorrect TAS12 device IP	Verify the TAS12 device IP is correct with your network administrator.
	Incorrect server IP.	Verify the server IP is correct: 1) Touch the TAS12 LCD screen to enter your Login ID. NOTE: Obtain Login ID from your network administrator or site manager. 2) Select the Device Configuration menu. 3) Verify the server IP is correct with your network administrator.



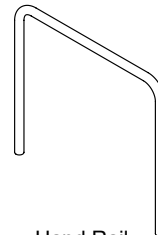
Appendix A - Portable Base Turnstile

These supplemental instructions cover installation steps specific to portable base models only. When the installation is complete, proceed to the Post-Installation Functions Check located on page 14.

Portable Base Plate Illustrated Parts List



Portable Turnstile w/ Base Plate
(Qty 1)



Hand Rail
(Qty 1)

Also included:

Hardware

- Hand Rail Set Screws (Qty 4)

Electrical

- Neutrik Connector Kit (Qty 1)

Tools Required

- 1/8" Allen Wrench
- 5/32" Allen Wrench
- 5/16" Open Wrench
- POZIDRIVE #1 Bit
- 7/8" Open Wrench

1. Remove the turnstile from container packaging.
2. Slide the guide rail into the support posts and tighten the four (4) set screws using a 1/8" Allen wrench [Figure A1].
3. Attach the TAS12 unit. **Proceed to TAS12 Installation section on page 12.**
4. To maneuver the turnstile:
 - Firmly grab the turnstile handle.
 - Starting with the two (2) wheels on the cabinet side, place foot on the top of the wheel lever and push the lever to the down position [Figure A3].
 - Repeat for two (2) remaining wheels on hand rail side.
 - Roll the turnstile to the desired location.
 - Using your hands, pull the four (4) levers to the up position to lock the wheels [Figure A4].

Fig. A1

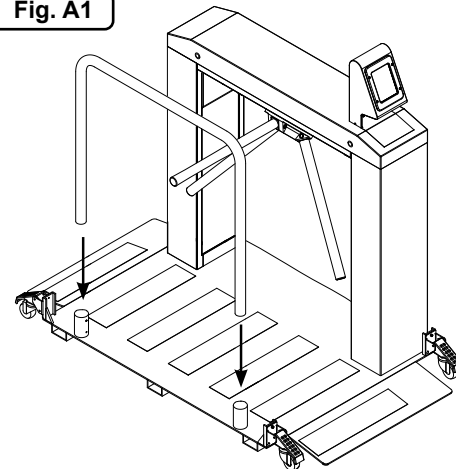


Fig. A2

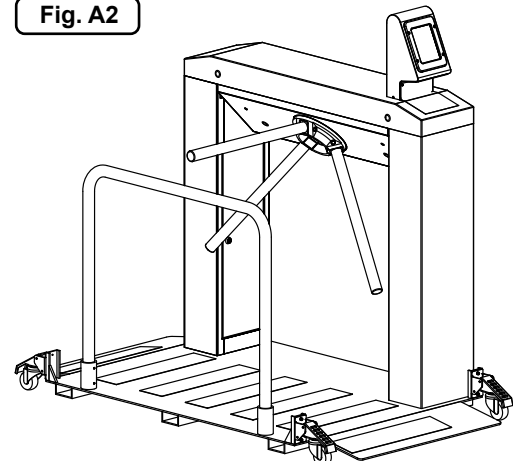
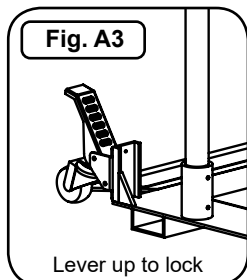
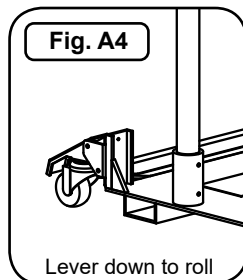


Fig. A3



Lever up to lock

Fig. A4



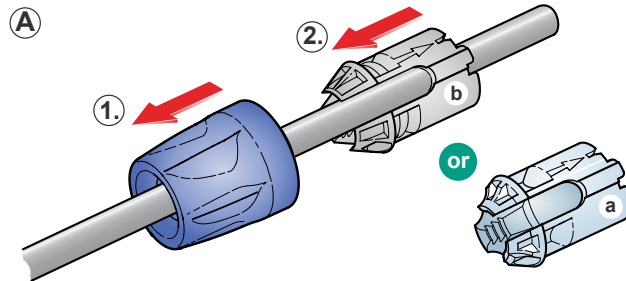
Lever down to roll



Installing Neutrik Connector to AC Cord

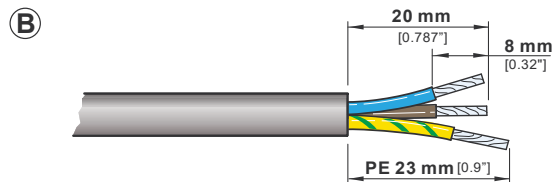
NOTE

Portable Base Turnstile units do not ship with power cables. Instead, each turnstile ships from the factory with a disassembled Neutrik connector. Use the connector to create power cables per your facility's requirements and specifications.



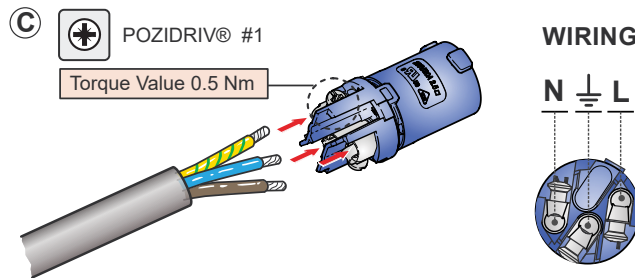
- A** Place the bushing (1) and the chuck (2) over the cable.

White chuck (a): 6.0 - 11.0 mm [0.236 - 0.433"]
 Black chuck (b): 9.5 - 15.0 mm [0.374 - 0.59"]
 VDE: 9.5 - 14.0 mm [0.374 - 0.551"]

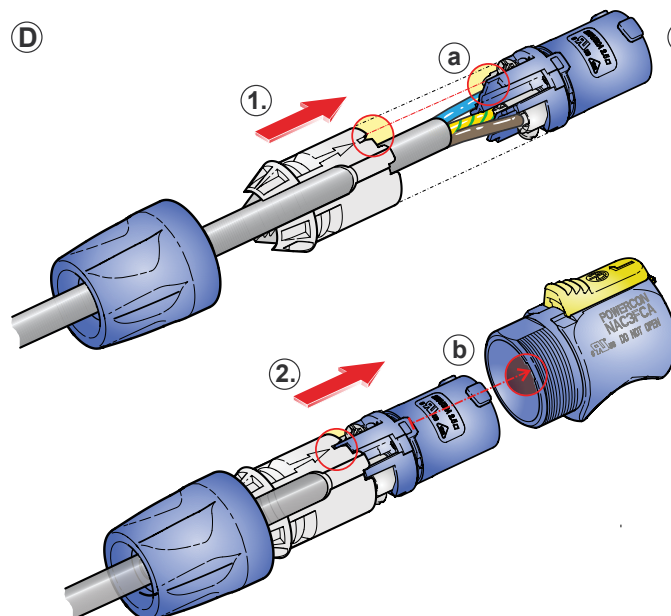


- B** Prepare the cable as shown.

Cable O.D.: 6.0 - 15.0 mm [0.236 - 0.59"]
 Wire size: 2.5 mm² (AWG 14)



- C** Insert the wire into the terminals and fasten the clamping device with a POZIDRIV® #1, max. Torque 0.5 Nm (0.37 lb-ft).



- D** Slide the insert and the chuck (1) into the housing (2).

Important:

- (a) Align the chuck by positioning the nose into the recess.
 (b) Pay attention to the guiding keyway!

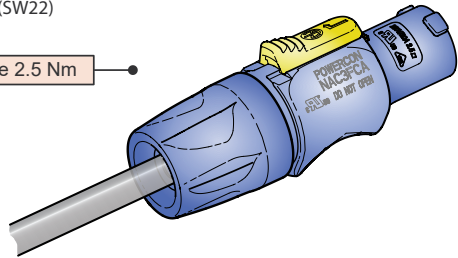


Installing Neutrik Connector to AC Cord (cont.)

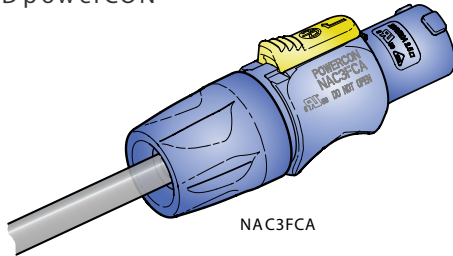
E

Wrench size
7/8" (SW22)

Torque Value 2.5 Nm



FINISHED powerCON



E

Fasten bushing by means of a fork wrench 7/8"
(SW 22), min. Torque 2.5 Nm (1.8 lb-ft).

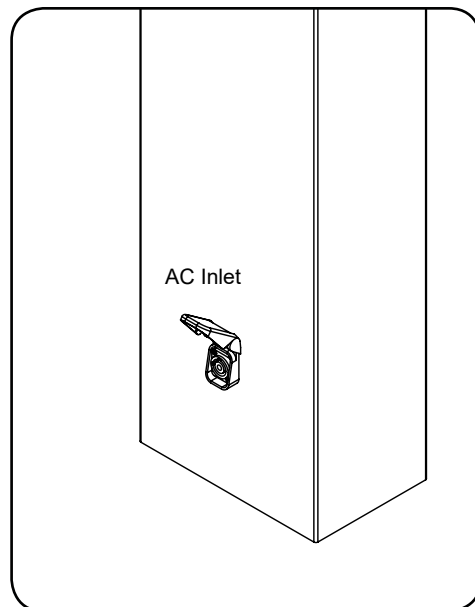
Connecting AC Power to the Portable Turnstile (AC-Powered Option Only)

To connect AC power to the turnstile [Figure A5]:

1. Lift AC power receptacle cover.
2. Plug the extension cord into the turnstile AC inlet and twist to lock.
3. Plug other end of the extension cord into an AC power source.

This completes the installation process for Portable AC-Powered turnstiles. Proceed to the Post-Installation Functions Check on page 14.

Fig. A5





Charging the Portable Turnstile (Battery-Powered Option Only)

Power OFF the turnstile prior to charging the batteries.

To charge the turnstile [Figure A6]:

1. Lift charge receptacle cover.
2. Plug the extension cord into the turnstile AC inlet.
3. Plug other end of the extension cord into an AC power source.

Fig. A6

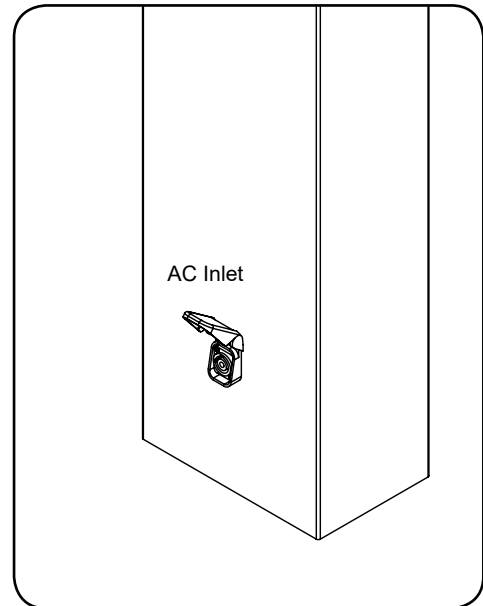


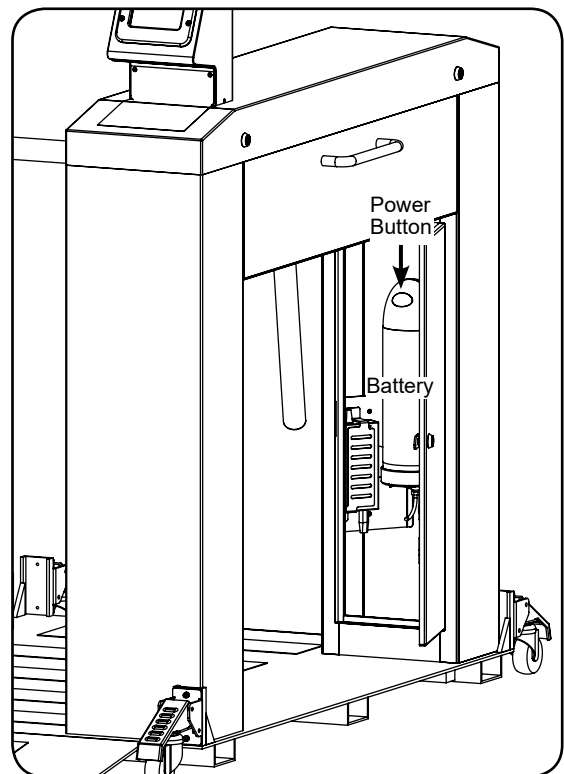
Fig. A7

4. To access the battery, open the access panel on the leg located on the secured or internal side of the facility [Figure A7].
5. Press the POWER button on the battery to display charge level. When all 5 red LEDs are lit, the battery is fully charged [Figure A7].

NOTE

Typically, it takes approximately 3 hours to fully charge a battery.

Refer to *Operation and Maintenance Instructions* for more information on charging the batteries.



This completes the installation process for Portable Battery-Powered turnstiles. Proceed to the Post-Installation Functions Check on page 14.



Portable Base Turnstile - Plan, Elevation and Footprint Drawing

Fig. A8

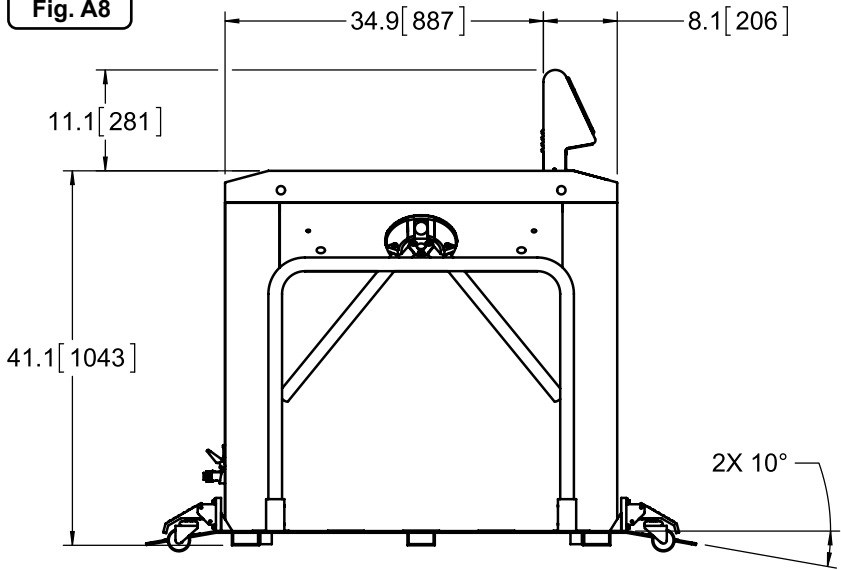


Fig. A9

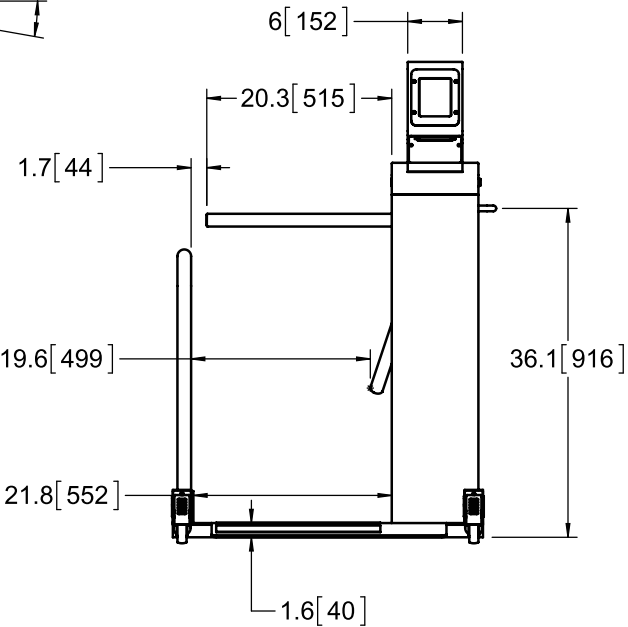
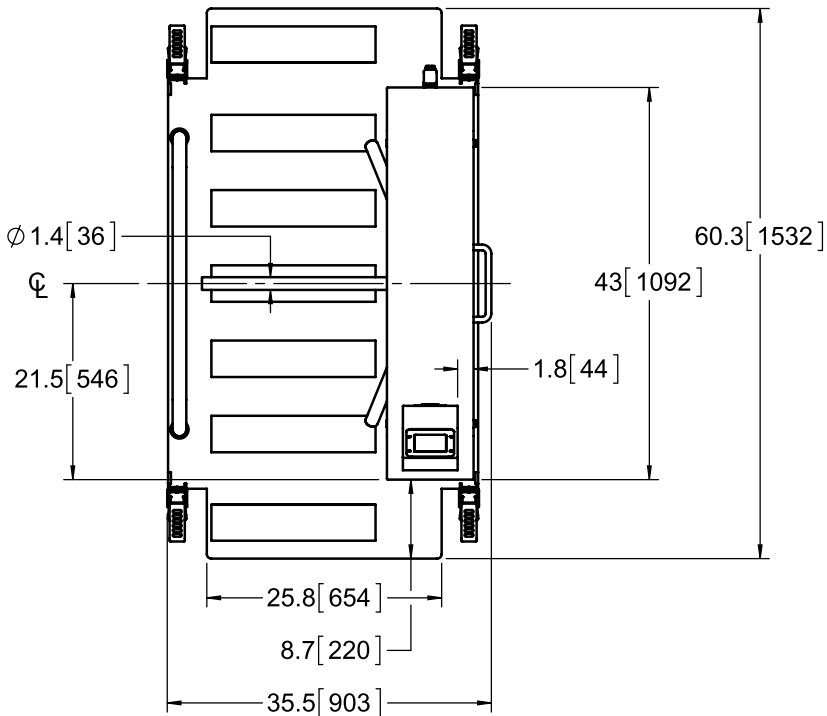


Fig. A10





Revision History

Revision	Date	Author	Description
1-0	2/24/2017	A. Flores	Original document.



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