

Device Inspection Document
Inspection of Form Factor, Front, Top, Bottom, and Back

Overview

oDynamo is a PCI PTS 5.x, SRED Certified hybrid insertion reader. oDynamo's enclosure and its associated electronics have been designed to form a Tamper Resistant Security Module (TRSM). The covers are securely attached and incorporate sensing circuits to detect if any attempt is made to open the device. Internal spaces within the device have been minimized to reduce the possibility of unauthorized modifications. Any attempt to penetrate or modify oDynamo electronically will cause the device to permanently erase its stored encryption keys, after which oDynamo will cease to function. Inspect the following areas of the device for tampering.

Form Factor

Visual Comparison

Carefully inspect the form factor. Make certain there are no additional electronics, wires or forms added to the device. Check the overall form factor for signs of attempted entry.

Exterior Surface/Metal Bezel

Look for any hidden and additional wires in crevasses, seams, and exterior surface. Check there are no additional wires on the device.

Mounting Gasket

The device's installation face includes a gasket. Do not remove the gasket.

Front Face Metal Bezel

The front face metal bezel is one die-cast piece. Inspect for any modification or hidden wires protruding from the card slot or drain holes.

Decal

The device includes a label well around the General Status LED. MagTek is default label.

General Status LED

Apply power to the device, LED should be solid GREEN. Apply power to the device for 60 seconds. If the LED shows any red, a tamper event has occurred.

Product Label

The product label is located on the back of the device. Check PN, SN and HW number. Serial Number matches serial number on boot-up.

Top Back

Crevasses

Look for any hidden and additional wires in crevasses, seams and exterior surface of the device.

Screws

Check tampering of 6 screws. DO NOT REMOVE THE SCREWS.

Ventilation Holes

PRIOR TO INSTALLATION Inspect for objects or wires in the vent holes.

Front Face

Card Insertion Slot

The card insertion slot is a smooth, unobstructed path. Insert an embossed card into the device to check for any signs of obstruction inside. Other than the magnetic head that reads magnetic stripes and contact points that read chips there are no electronics, objects, or wires on the path.

Dismount Switches

Unauthorized removal of switches will disable the device. Exercise the two (2) dismount switches by pressing them. They should return to the original position upon release of finger pressure.

Bottom Back

Connection Ports

- Inspect individual connection ports
- RS-232 and Power Port
 - USB Host Port
 - USB Device Port
 - Ethernet Port
 - Alternative Earth Grounding Port

Screws

Check tampering of 4 screws. DO NOT REMOVE THE SCREWS.



Right Side Angle

Seams Parting Line

Inspect where the seams come together to ensure there are no extraneous wires.

Crevasses

Inspect crevasses to ensure there are no extraneous wires.



Left Side Angle

Drain Holes

Inspect the 4x drain holes below the bezel nose (plus the 1x drain hole to the left side of the bezel nose). There are no electronics, objects or wires coming from the drain holes.

Seams Parting Line

Inspect where the seams come together to make ensure are no extraneous wires.

Crevasses

Inspect crevasses to make certain there are no extraneous wires.



At Point of Installation - Mounted

Carefully inspect the form factor. Ensure there are no additional electronics, wires, or forms added to the device.

Periodically inspect the following items:

- Metal Bezel
- Card Slot

When servicing behind cabinet/door (terminal) inspect device for external wires, or foreign objects not included in the solution design. For proper installation, refer to your solution design documentation.

Front Face Metal Bezel

Observe front face of the metal bezel and inspect for any modification or hidden wires.

Mounting Holes

Look for any hidden and additional wires. No additional wires should be coming out of the holes.

Checklist Summary

Check all views of the device and compare to photos.

Device Audit

It is helpful to do the following for your device inspection audit.

- Have a list of the device sand details listed on the asset tag.
- Take photos of the front, back, and sides of each device.

Check device Part numbers, serial numbers and IDs and check physical connections. Report any suspected signs of tampering immediately.

PCI compliance web page.

How to find oDynamo on PCI web site

https://www.pcisecuritystandards.org/assessors_and_solutions/pin_transaction_devices.

Search for MagTek and find the product name, oDynamo, on the web page. Compare the Hardware # and Firmware #.

Periodically inspect the following items while installed:

Exterior surface/metal bezel

- Card slot
- Five (5) drain holes
- Form factor
- Crevasses
- Screws

Inspect the following additional items during service:

- Crevasses
- Screws
- Ventilation holes
- Connection ports
- Seams parting lines