



# Sentinel Door Replacement Guide

Triple E Technologies, LLC

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## Overview

This guide details the steps for replacing a door on a Sentinel island card reader.

## Supplied Components

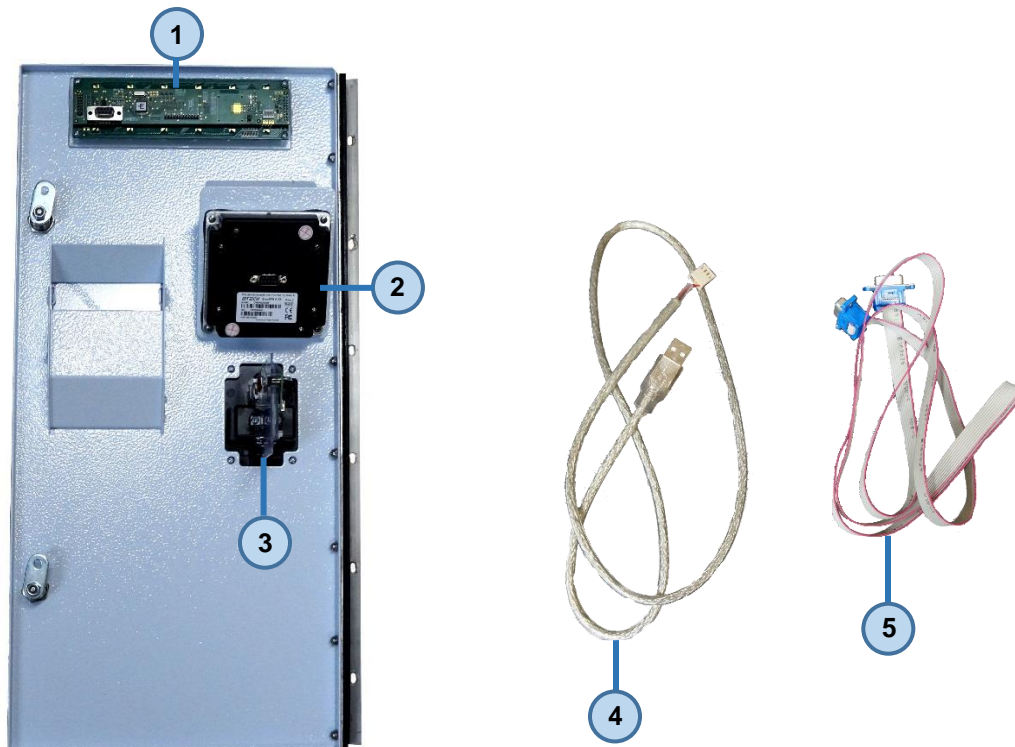
- (1) Replacement door
- (1) Silicone gel packet
- (1) Matrix Orbital 9-PIN RS232 data cable
- (1) Matrix Orbital USB power cable
- (1) UPS return label

## Additional Required Components

- Philips head screwdriver
- Small pry bar (optional)

## Parts Identification

1. Screen
2. IDTech K100 Keypad
3. Magtek MSR
4. Matrix Orbital USB power cable
5. Matrix Orbital 9-PIN RS232 data cable



## Removal

1. Contact Triple E Customer Support at (888)407-6077 and have them remotely power off the system.



**(888) 407-6077**

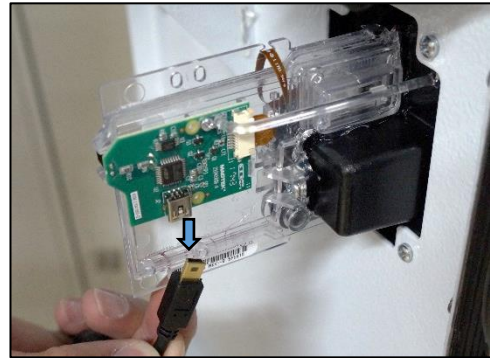
2. Turn off the power strip.



3. Detach the 9-PIN RS232 data cable & 90-degree RS232 adapter from IDTech K100 keypad. Leave connected to computer.

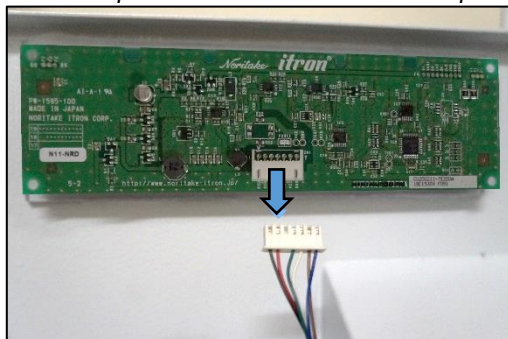


4. Detach the USB cable from the Magtek MSR. Leave connected to computer.



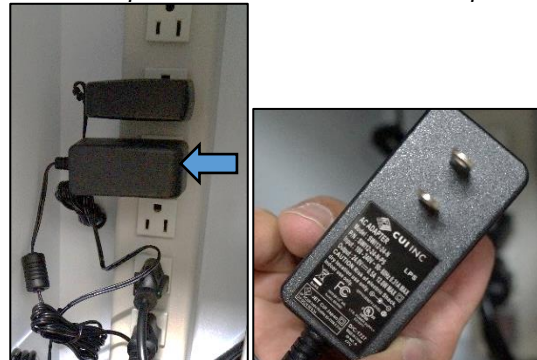
5. Detach the VFD screen 9-PIN RS232 data cable from the Noritake/Itron screen and from the Sentinel computer, then set aside.

*\*This component will be mailed back to Triple E.*



6. Remove the 24v VFD screen power adapter from the power strip and set aside.

*\*This component will be mailed back to Triple E.*



7. Use a screwdriver to remove all 6 Phillips-head machine screws from top door hinge and set aside.



8. Gently remove the door and hinge from Sentinel body.

*\*The silicone weather sealant will provide significant resistance - a small pry bar or other prying tool may be required.*



9. Thoroughly remove any excess silicone from Sentinel body.

*\*Too much silicone may cause issues with mounting the new door.*



## Replacement

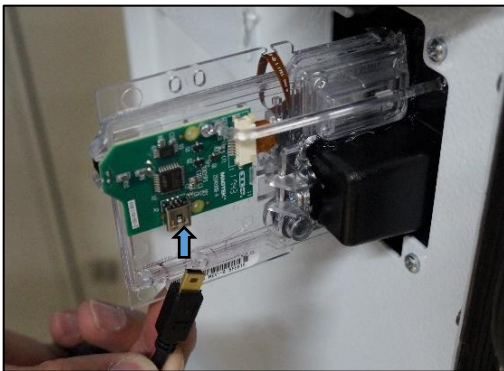
- 10.** Apply new silicone to the Sentinel door hinge mounting surface.



- 11.** Mount the replacement door by using the previously removed Phillips-head machine screws. Attach the door loosely and align to ensure it is centered in the opening, then tighten down all 6 screws to keep the door in place. *\*This may take a few attempts.*



- 12.** Plug the USB cable into the replacement Magtek MSR.



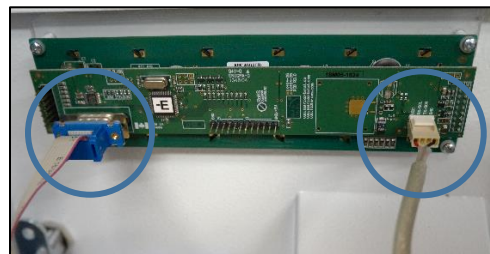
- 13.** Plug the 9-PIN RS232 data cable & 90-degree RS232 adapter into the replacement IDTech K100 keypad.



- 14.** Locate the supplied Matrix Orbital 9-PIN RS232 data cable & USB power cable.



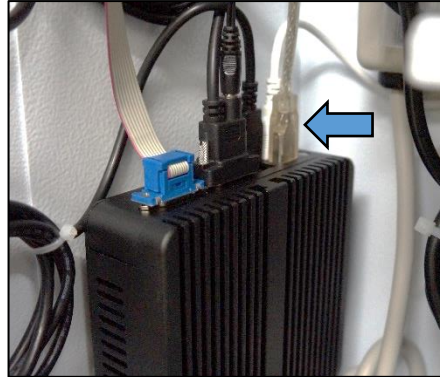
- 15.** Plug the Matrix Orbital 9-PIN RS232 data cable & USB power cable into the replacement screen.



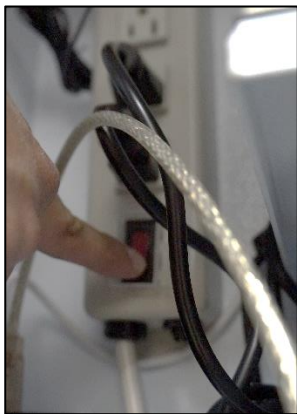
- 16.** Plug the Matrix Orbital 9-PIN RS232 data cable into COM2 on the Sentinel computer.



- 17.** Plug the Matrix Orbital USB power cable into an available blue USB 3.0 port on the Sentinel computer.



- 18.** Turn the power strip back on and power up the system.



- 19.** Call Triple E Customer Support at (888) 407-6077 to confirm functionality and test card swipe.



**(888) 407-6077**

- 20.** Package up the old Sentinel door with attached components, 24v VFD screen power adapter, & VFD screen 9-PIN RS232 data cable and ship back to Triple E Technologies using the included UPS return label.



**- END INSTALLATION -**