



Readiness Systems®

AED Sentinel Installation Guide

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AED Sentinel – from Readiness Systems
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AED Sentinel Installation Guide 2.0
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AED Sentinel Installation Guide

This AED Sentinel Installation Guide walks you through the easy process of installing AED Sentinel's AED Monitoring Camera (**Camera**) in a wall-mounted AED cabinet or custom AED monitoring case. A typical installation takes just a few minutes. Once installed, the AED Sentinel remote monitoring system helps ensure your AEDs are always ready when you need them.

For help getting started, visit the AED Sentinel support resources page to view the [AED Sentinel Installation Video](#).

Before You Begin – Set Up the Software if Needed

Before you can install and activate your Camera, the **Location** and **Monitored AED** information for the AED must first be set up in the online AED Readiness Manager (**Manager**) software.

If the Location and/or Monitored AED are not yet set up, go to sections A and B of this Guide to find instructions for adding them. If they are already set up, you can skip to section C, *Install and Activate the AED Monitoring Camera*.

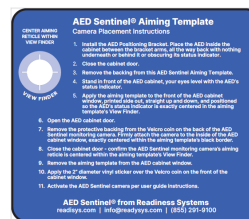
You'll Need the AED Sentinel Camera, Collateral and Positioning Bracket



AED Sentinel
Monitoring
Camera with Velcro



AED Sentinel
Quick Start QR Code



AED Sentinel
Aiming Template



Velcro Coin
Covering Sticker

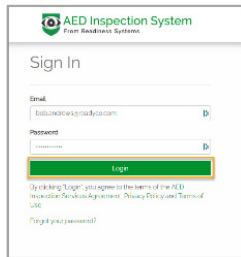


AED Positioning
Bracket

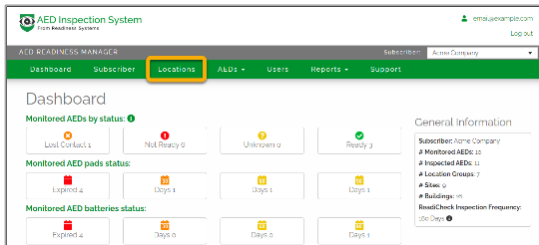
A

Add New Location to AED Readiness Manager if Needed

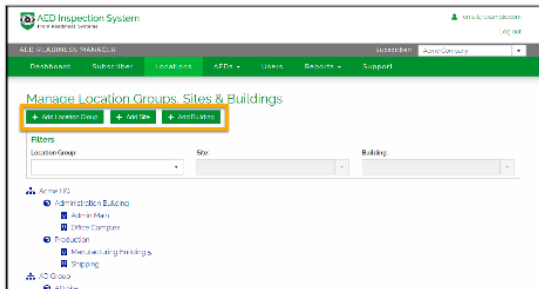
Skip this section if the Location (Location Group, Site and Building) where you are installing the Camera is already set up in Manager. Otherwise, follow these steps to add a new Location. More detailed instructions can be found in the separate [AED Readiness Manager User Guide](#).



1. Log into **AED Readiness Manager** (manager.readisys.com) using the user account credentials you received from your AED program administrator, distributor or Readiness Systems. Use the Forgot Password link to set or reset your password if needed. If you still can't log in, contact Readiness Systems support for help.



2. From the Dashboard page, click the **Locations** tab.



3. On the **Locations** page, add your new Location using the Add Location Group, Add Site and/or Add Building buttons.

About AED Locations

Location Group: A general grouping of sites. Location groups can be defined as needed. For example, geographic region, state, city, school district, business or educational campus, division, business unit, and so on.

Site: A location with one or more buildings or vehicles where you have monitored AEDs.

Building: A building or vehicle where you have monitored AEDs.

B Add New AED to AED Readiness Manager if Needed

Skip this section if the AED you will be monitoring is already set up in Manager. Otherwise, follow these steps to add a new Monitored AED. More detailed instructions can be found in the separate [AED Readiness Manager User Guide](#).

Gather AED Information

Remove the AED from the cabinet. Find and write down the AED make and model, AED serial number, battery expiration date(s), pads expiration date(s) and specific AED placement location for the monitored AED (see the [AED Reference Guide](#) to learn where to find this information on your AED). You'll need the information to add this AED to Manager.

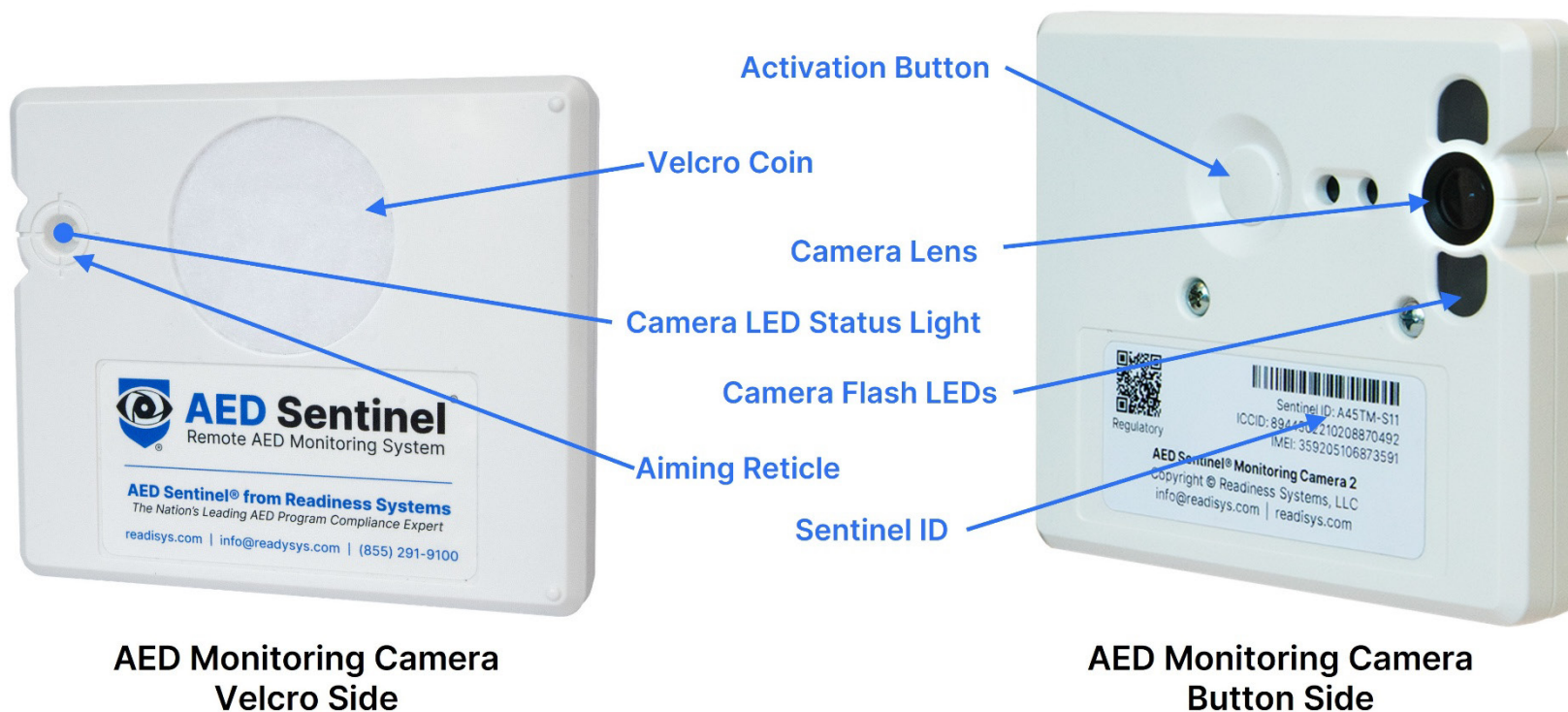
1. Log into **AED Readiness Manager** (manager.readisys.com) using the user account credentials you received from your AED program administrator, distributor or Readiness Systems. Use the Forgot Password link to set or reset your password if needed. If you still can't log in, contact Readiness Systems support for help.

2. From the Dashboard page, click the **Monitored AEDs** tab.

3. On the **Monitored AEDs** page, click the Add Monitored AED button and complete the form by entering the Sentinel ID found on the box and the Camera; selecting the Location Group, Site and Building where you are installing the Camera; and entering the other AED information you gathered for this Monitored AED.

C Learn About the AED Monitoring Camera and Activation

During installation, refer to the AED Monitoring Camera hardware features shown in the following illustrations.



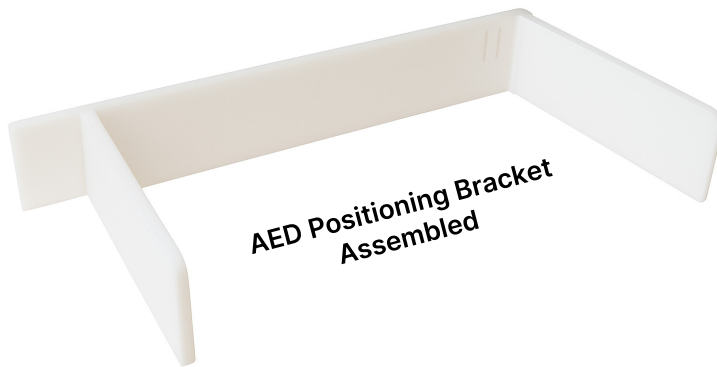
About AED Monitoring Camera Activation, Reactivation and Power-Off

When to Activate, Reactivate or Power Off the Camera	
When to Activate the Camera	<p>During the activation process, the Camera finds and connects to the best cellular network, configures the settings for your Monitored AED, and captures and transmits an AED status indicator image. A typical activation process takes up to 8 minutes.</p> <p>Camera activation is needed when you:</p> <ul style="list-style-type: none"> • Set up your Camera for the first time • Power off the Camera, move the AED to a new location, and want the Camera to initiate a new cellular network connection scan • Encounter a solid red or fast blinking red LED Status Indicator and need to try activating the Camera again (see Troubleshooting below)
When to Reactivate the Camera	<p>During the reactivation process, the Camera configures the settings for your Monitored AED, and captures and transmits an AED status indicator image. It does not initiate a cellular network connection scan. A typical reactivation process takes up to 5 minutes.</p> <p>Camera reactivation is needed when you:</p> <ul style="list-style-type: none"> • Need to capture a new image for any reason, including after re-aiming the Camera • Change the make/model of a Monitored AED in Manager
When to Power Off the Camera	<p>Powering off the Camera is needed when you:</p> <ul style="list-style-type: none"> • Move the AED to a new location where you want the Camera to initiate a new cellular network connection scan via a new activation process • Want to temporarily decommission the Camera

D Install Positioning Bracket, AED, and Monitoring Camera - Activate the AED Monitoring Camera in an AED Cabinet

These instructions describe how to attach the Camera to the inside of a standard AED cabinet door. Please contact Readiness Systems support if you need help installing AED Sentinel in a different environment.

AED Positioning Bracket Parts



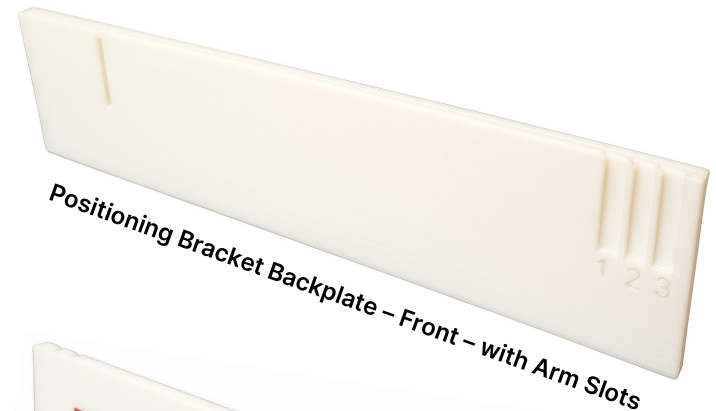
**AED Positioning Bracket
Assembled**



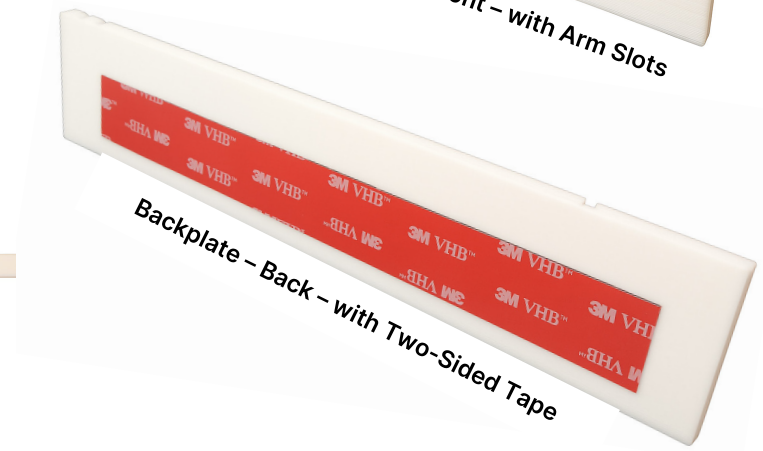
Positioning Bracket Arms x 2



Positioning Arm Inserted in Slot



Positioning Bracket Backplate - Front - with Arm Slots



Backplate - Back - with Two-Sided Tape

AED Positioning Bracket Slots by AED Model

Positioning bracket arms are inserted into left and right slots to match the width of different AED models. Refer to this chart to identify the correct slot for the right-side positioning bracket arm based on your AED.

AED Make/Model	Positioning Bracket Slot
Cardiac Science G5 (no AED carrying case)	1
Defibtech Lifeline AED	NA – must use Defibtech bracket
Defibtech Lifeline View AED	NA – must use Defibtech bracket
Philips FRx AED (in Philips carrying case)	3
Philips OnSite AED (in Philips carrying case)	3
Stryker/Physio Control CR2 AED (no CR2 carrying case)	1
Stryker/Physio Control CR2 AED (inside CR2 carrying case)	3
Stryker HeartSine AED (in HeartSine carrying case)	2
Zoll AED Plus	3
Zoll AED 3	3

Install AED Positioning Bracket and Place the AED

1. Attach the Backplate:

- Remove the adhesive backing from the two-sided tape on the back of the AED positioning bracket backplate.
- Place the backplate against the *back wall of the cabinet*, with its **left edge flush against the cabinet's left wall and the bottom edge resting on the cabinet floor**.
- Press firmly to secure the adhesive to the back wall.



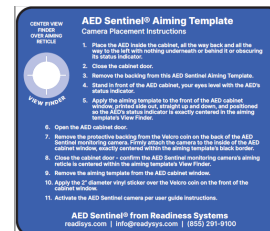
2. Install the Arms and Position the AED

- Insert one arm into the **left slot** of the bracket.
- Insert the second arm into the **right slot** specified in the table above for your AED model.
- Place the AED inside the cabinet, centered within the bracket. Ensure there is **nothing beneath, behind, or in front of the AED** that could block its status indicator.
- The bracket positions the AED correctly, so the Camera always has a clear view of the status indicator.



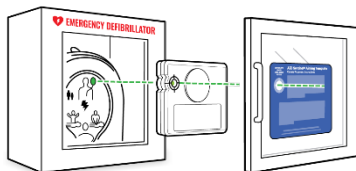
3. Close the cabinet door.

4. Remove the backing from the static cling AED Sentinel Aiming Template.

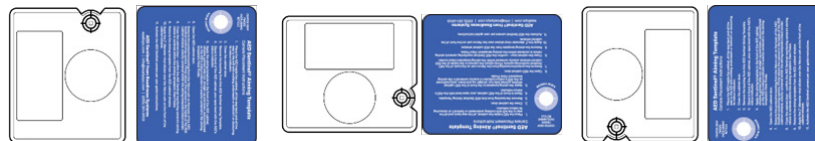


5. Stand in front of the AED cabinet, your eyes level with the AED's status indicator.

6. Apply Aiming Template to cabinet window:



Standard AED Monitoring Camera landscape orientation: Apply the Aiming Template to the **OUTSIDE** of the AED cabinet window, printed side out, straight up and down, and positioned **so the AED's status indicator is exactly centered as you look through the aiming template's View Finder**.




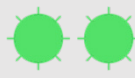





Rotated AED Monitoring Camera orientation: Do this if your AED model/cabinet combination requires the Camera to be rotated so it can be properly aimed to take pictures of the AED's status indicator.

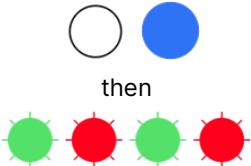



Apply the Aiming Template to the **OUTSIDE** of the AED cabinet window, printed side out, rotated 90 degrees clockwise or counterclockwise, or 180 degrees, positioned **so the AED's status indicator is exactly centered as you look through the Aiming Template's View Finder**.

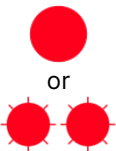
7. Open the AED cabinet door.
8. Remove the protective backing from the Velcro Coin on the Velcro side of the Camera leaving the adhesive exposed. Hold the Camera so that it is **exactly centered within the Aiming Template's black border** and the Aiming Reticle is centered inside the Aiming Template's View Finder. When centered, press to firmly attach the Camera to the **INSIDE** of the AED cabinet window within the Aiming Template border.
9. Close the cabinet door and confirm the Camera's aiming reticle is centered within the Aiming Template's View Finder. If needed, separate the two sides of the Velcro Coin and then reattach them to center the aiming reticle in the View Finder. It is okay if the two sides of the Velcro Coin are slightly offset to ensure proper aiming.
10. Remove the Aiming Template from the outside of the AED cabinet window and store it for later use if needed.
11. Place the **2" diameter Velcro coin covering sticker** to the outside of the AED window, directly over the Velcro coin.
12. You are now ready to activate the Camera.



How to Activate or Reactivate the Camera		
Phase	LED Status	Instructions
Activate or Reactivate the Camera	 Off to solid blue	 Open the cabinet door and place your finger on the activation button . While watching the Camera's LED Status Light on the Velcro side of the Camera, press and hold the activation button until you see the LED Status Light turn solid blue (button hold of about 3 seconds).
	 Slow blinking green	<p><u>If you are activating a powered-off Camera</u></p> <p><u>Release the button and close the cabinet door.</u></p> <p>The LED Status Light will change from blue to a slow-blinking green that will continue for up to 8 minutes.</p>
	 Fast blinking green	<p><u>If you are reactivating a powered-on Camera in standby mode</u></p> <p><u>Release the button and close the cabinet door.</u></p> <p>The LED Status Light will change from blue to a fast-blinking green that will continue for up to 5 minutes.</p>
	 Solid green	<p>Success</p> <p>The LED Status Light will show solid green once the Camera successfully completes the activation process. After 15 seconds, the green light will turn off and the Camera will go into standby mode.</p>
Check the Installation	 Off	 Ready Log into Manager and navigate to this Monitored AED. Make sure the AED's status indicator image was received and is centered in the picture. Also, confirm the AED Status shows Ready.



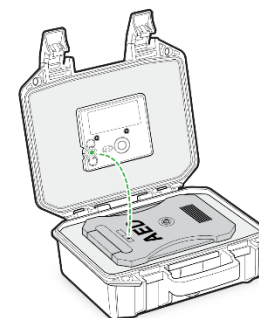
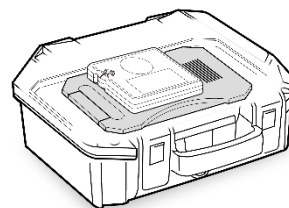
How to Power Off the Camera		
Phase	LED Status	Instructions
Power off the Camera	 <p>Off to solid blue, then fast green/red</p>	 <p>Open the cabinet door and place your finger on the activation button. While watching the Camera's LED Status Light on the Velcro side of the camera, press and hold the activation button until you see the LED Status Light turn solid blue >>></p> <p>Continue pressing the activation button until you see the LED Status Light begin blinking fast green / red (total button hold of about 8 seconds).</p>
	 <p>Off</p>	 <p>Release the button.</p> <p>The LED Status Light will continue fast blinking green/red for about 3 seconds after button release and then turn off. The Camera is now powered off.</p>

Troubleshooting		
Troubleshooting	 <p>Solid red or fast blinking red</p>	<p>If you see the LED Status Light turn solid red or start fast blinking red, wait 15 seconds for the LED Status Light to turn off and then try activating the Camera one more time. If you still encounter a solid red or blinking red LED Status Light, please call Readiness Systems at (855) 291-9100, Ext. 4, during regular business hours for real-time support while you are at the AED cabinet location.</p>

E Install and Activate the AED Monitoring Camera in a Mobile AED Monitoring Case

These instructions describe how to attach and activate the Camera inside of a mobile AED monitoring case.

1. On the Camera, remove the scratchy hook-side Velcro from the soft loop-side Velcro Coin and discard. The loop-side Velcro coin remains attached to the Camera.
2. Locate the Camera cutout in the lid of the AED monitoring case.
3. Press and hold the Camera's activation button for **about 3 seconds** until you see its LED turn **solid blue**. Release the button – the LED will begin **slow-blinking green**.
4. Immediately attach the Camera inside the lid cutout, oriented so the Camera lens will directly face the AED's status indicator when the lid is closed. Then close the lid. The activation process will continue for up to 8 minutes.



5. Log into Manager, navigate to this Monitored AED, and confirm the AED's status indicator image was received and is centered in the picture.
6. If you encounter any issues, please contact support.

Supplier's Declaration of Conformity
47 CFR § 2.1077 Compliance Information

Unique Identifier: Model: AED Sentinel 2

Responsible Party:

Readiness Systems
19215 SE 34th St., #106-236
Camas, WA 98607
readisys.com/patent-regulatory/

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) This device must accept any interference received, including interference that may cause undesired operation.

Contains FCC ID: RI7ME310G1WW

FCC Class B digital device notice

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.

FCC and Canada

RF Exposure / Wireless notice:

This device complies with FCC/ISED radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines and RSS-102 of the ISED radio frequency (RF) Exposure rules. The antenna should be installed and operated with minimum distance of 20 cm between the radiator and your body.

Le présent appareil est conforme à l'exposition aux radiations FCC / ISED définies pour un environnement non contrôlé et répond aux directives d'exposition de la fréquence de la FCC radiofréquence (RF) et RSS-102 de la fréquence radio (RF) ISED règles d'exposition. L'antenne doit être installée de façon à garder une distance minimale de 20 centimètres entre la source de rayonnements et votre corps.

Compliance Statement:

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Modification Statement:

The Grant holder has not approved any changes or modifications to this device by the user. Any changes or modifications could void the user's authority to operate the equipment.

Le titulaire de la subvention n'a approuvé aucun changement ou modification de cet appareil par l'utilisateur. Tout changement ou modification peuvent annuler le droit d'utilisation de l'appareil par l'utilisateur.

Canada

Contains IC ID: 5131A-ME310G1WW

CAN ICES-003 (B) / NMB-003 (B)

This Class B digital apparatus complies with Canadian ICES-003.

Cet appareil numérique de classe B est conforme à la norme canadienne ICES-003.



Need help installing and activating AED Sentinel?

Contact Readiness Systems support:
support@readisys.com | (855) 291-9100

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