



SaveStation® Tower

Installation Guide - Philips HeartStart OnSite

 **SAVESTATION®**
The Power to Save a Life.

1-833-728-7828 (SAV STAT)

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Installation Disclaimer

The material and information contained in this guide is for general information purposes only. Please consult with a SaveStation technician or registered Electrician if you have any hesitation/concerns with the cabinet install. SaveStation endeavours to keep the installation information up to date and correct. SaveStation can not be held responsible for any product installed incorrectly, altered or used inappropriately.



If you have any issues or questions, please feel free to call 1-833-728-7828 or email: support@savestation.ca.

Package Contents

1. SaveStation Tower
2. Aivia 300 Cabinet (prewired)
3. Optical Sensor and Base
4. Bungee (to secure AED against heater)
5. Green electrical terminal (installed)
6. SELV Wiring (installed)
7. 24V LED Light (installed and prewired)
8. Ground Lug (installed)
9. NEMA Junction Box 6x6x4 (Installed)
10. Mean Well 24V Power Supply (Cabinet)
11. Ground Terminal Block (Green)
12. Cabinet Instruction Manual
13. Optical Sensor and Base Instruction Manual
14. Base Template (optional)
15. Access Panel Key
16. Maintenance and Shutdown Cards

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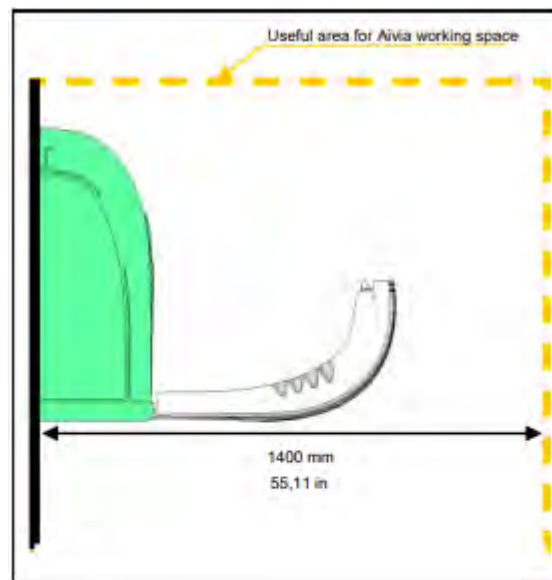


Foundation Planning

When deciding on a location:

- See diagram for required space in front.
- When possible, the Tower should be placed in high traffic areas with easy access from multiple directions. The AED cabinet should be accessible by individuals of all levels of mobility. Review any local/municipal accessibility guidelines to ensure compliance.

i The cabinet should not face south to avoid prolonged sun exposure.



Foundation Installation - Option 1

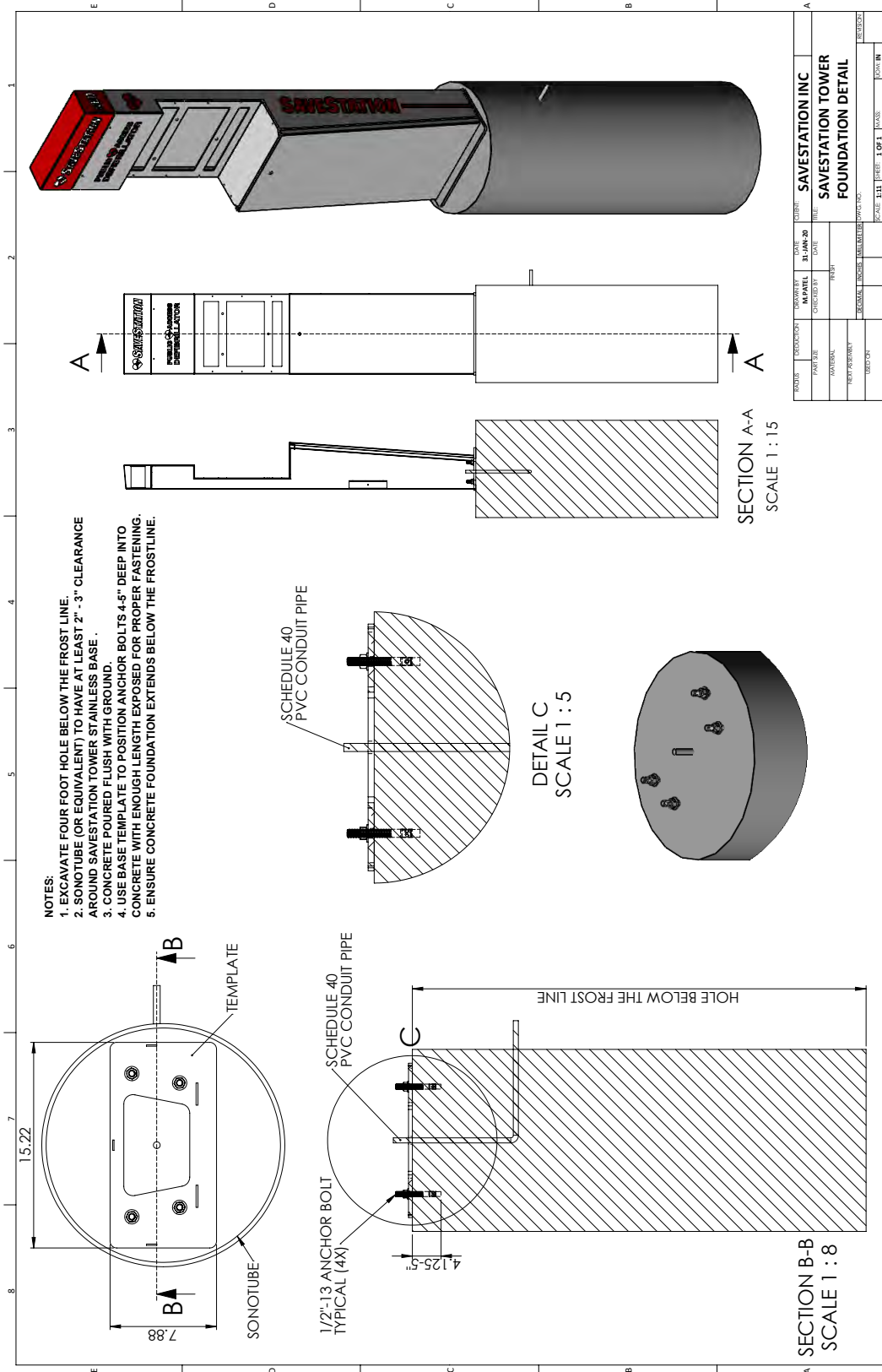
The SaveStation Tower should only be installed by qualified personnel.

Please see diagram on the next page for the manufacturer's instructions.

Be sure that the top of the foundation rests flush to the ground as this will allow the cabinet's handles to be at the appropriate height (48") to meet accessibility requirements.

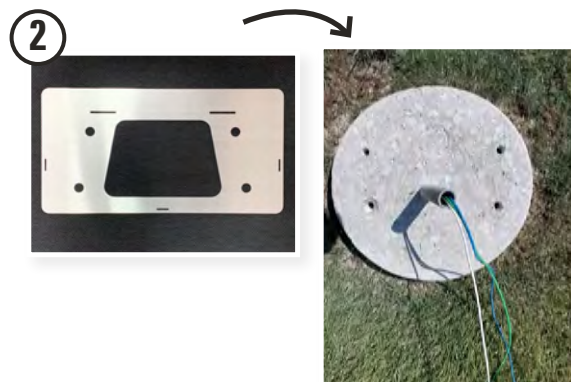
- Being too high off the ground will place the handles (once installed) above 48", making the unit not compliant with the Accessibility Act.
- Once concrete is poured - use the base template (included) to ensure proper anchor placement.
- Adjust hardware to ensure that the base is level and that the anchors are plumb.
- Make sure to have 2" of the anchors above the surface of the foundation (1 ½" above the template) to ensure room for proper attachment.





Foundation Installation - Option 2

1. Pour Sonotube:
 - Minimum 18" in diameter (Tower is 15" across)
 - Flush to the ground
 - Conduit to go through the center
2. Drill Holes: Using the template provided, drill four holes for anchor placement.
3. Insert Anchors:
 - Fill holes with Dewalt AC100+ Gold (or comparable product) – following manufacturer's instructions.
 - Insert anchors repeatedly to ensure maximum contact with concrete and anchors.
4. Ensure Anchors are plumb and cut to desired size.
5. You are ready to install the Tower.



Tower Installation

- Using the key provided, remove the front access panel (see inset image).
- Once the foundation is set, place the SaveStation Tower over anchors, being careful to not scratch the base.
- Once in place, fasten cabinet to the foundation.
- After tightening hardware, use a galvanized coating spray over the anchors and hardware to prevent premature corrosion.



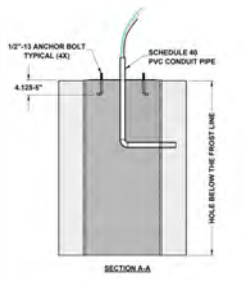
Electrical Installation

Electrical installation should only be completed by qualified personnel.

- It is highly recommended that the SaveStation Tower be connected to the electrical panel on its own individual circuit. (This will limit the likelihood of unscheduled power outages.)
- The diagram on page 9 represents the manufacturer's recommendations for the electrical install.
- *Please note that for ease of installation, the connection of the power supply to the cabinet is pre-wired.*



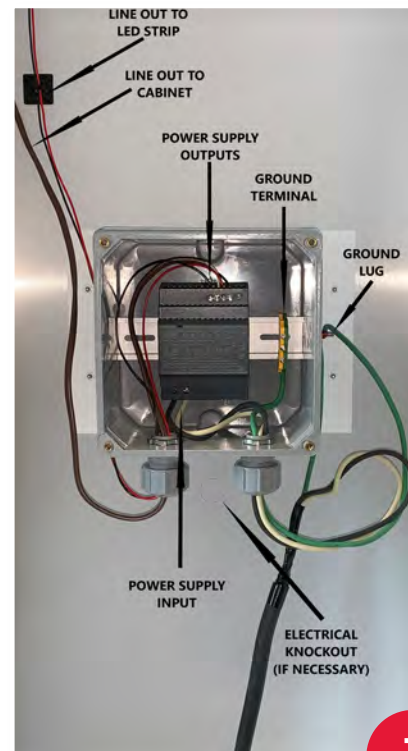
1. Using 14AWG wire (live, neutral and ground), run the connection from the 15A/5ma GFCI breaker through the conduit protruding through the center of the foundation.



2. After stripping a 1" section of the ground wire, remove the nut from ground lug and wrap the exposed wire around it. Replace the nut and tighten to secure the wire. (be sure to leave an adequate of ground wire to reach the ground terminal located in the junction box).



3. Open junction box by removing 4 screws on the cover.



Electrical Installation Continued

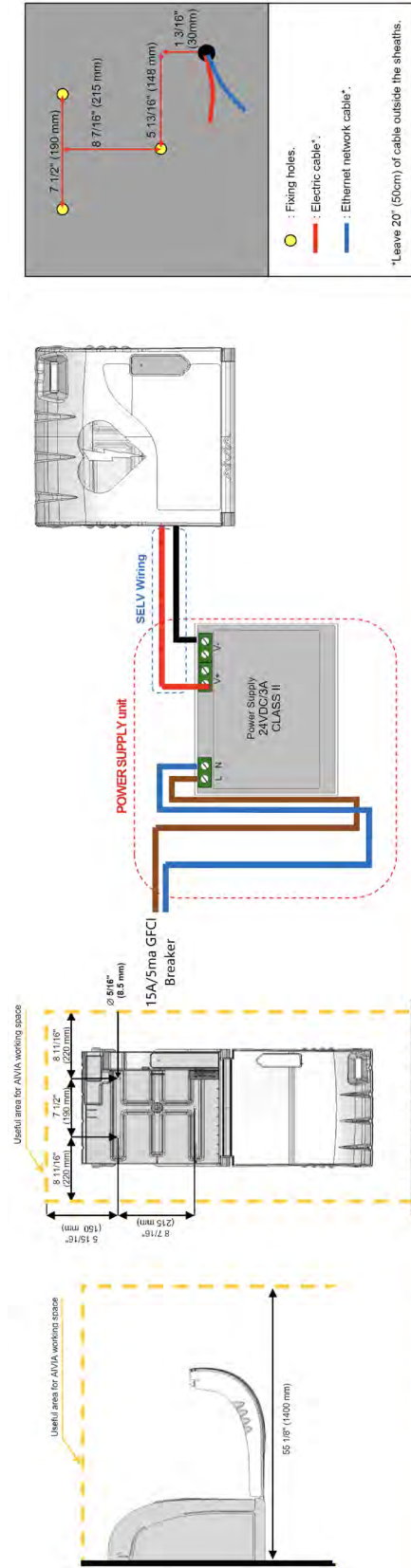
4. Then run all 3 wires through the strain relief located on the bottom right of the junction box.
5. Attach all 3 wires to their corresponding terminal blocks.
 - Ground to Green Terminal Block
 - Black to L on Power Supply
 - White to N on Power Supply
6. Re-attach the junction box cover and reattach screws
7. Restore power to the breaker and the lights and cabinet should turn on immediately.
8. Re-attach the front panel and installation is complete!

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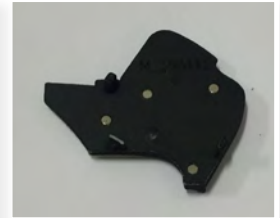


WALL MOUNTING	POWER SUPPLY	PHONE
- AVIA installation must be done by qualified personnel only. - Ensure reliability of the support. The mounting screws must be adapted to the type of support the AVIA is being mounted on. - AVIA implementation zone must be free as signified above. - If the AVIA is installed in the street or any unrestricted passage way, install a ground surface (abument) or a column. Please remember that it must comply with the regulation in force regarding accessibility standards in each country, state and / or area. - Drilling template is part of the AVIA packing. - AVIA mounting screws must be able to carry a minimal load of 20 Kg (44 lb).	POWER SUPPLY UNIT: It must be outside the AVIA, never install it inside the AVIA. - The power supply block must include: -15A/5ma GFCI Breaker used to both protect and disconnect hardware. -A SELV or equivalent 24VDC +2% / 3A Class II and IEC 60950-1 conform. - The cable connecting the residual current device and the power supply must be a section of 14AWG (1.5 mm²). - The main connection must include the primary phase and neutral. - The maximum full load secondary voltage drop must not exceed 2% or 23.5V at the AVIA terminal. - The power block must be dust and waterproof, as well as ventilated**. Wires must be held against themselves by a collar at the nearest of the holding terminals. The power block wiring must conform to standards in force in the country of use. SELV WIRING: - Type U1000R2V, 2 insulated jacketed conductors, 14 AWG (1.5 mm²) area, 33 feet (10 meters) maximum length. - Use red or maroon color cable for the +24V line. - Use black or grey color cable for the 0V line. * Recommended power supply: Meanwell DR100-24. ** Natural or forced convection depending on the environment and thermal characteristics at maximum load.	(All models except AVIA-100) GSM: Make sure the installation site is within the coverage area of the designated mobile network operator. * Subscription being at the client's expense. INTERNET ACCES (AVIA-300) Ethernet network: with an internet connection. HTTP protocol port: 80. CAT5 FTP or better. Wiring: 1 Ethernet cable, CAT5 FTP or better. 3G: Make sure the installation site is within the coverage area of the designated mobile network operator. * Subscription being at the Client's expense.

AED Optical Sensor Installation

There are two main components for this installation, the Optical Sensor and the Base.

1. Start by cleaning area around the “Ready Symbol” to remove any dirt or dust
2. Using the double sided tape provided, fix the Sensor base to the AED as shown. Be sure that the ready symbol is in the center of the window (circular plastic insert).
3. With the cabinet turned on, plug in the optical sensor.
 - The light on the front of the sensor should turn red.
 - Note: if the cabinet needs to download firmware to the sensor, it will flash for a few seconds first.
4. Place the sensor onto the base by matching up the magnets. It will click into place.
 - Once in place, the sensor will flash green while reading the ready signal of the AED (this will typically take up to a minute).
 - If the reading is successful, the sensor will turn solid green and the LCD will read AED:OK



1. ONLY IF NECESSARY: If the light turns orange and the LCD reads '**AED:1C**' the sensor needs to be recalibrated. *To calibrate sensor:*

- While the sensor is on the base: with a small screwdriver, push the small white button located on the top of the sensor.
- The sensor should present a solid green light shortly after the button is pushed.
- The LCD screen will then read **AED:OK**



AED Placement

Once the Optical Sensor is in place and operational, place the bungee around the AED to ensure that it is held against the heating pad.

Close the door and check that all categories are reading OK.

NOTE - Do not place AED Rescue kit under the AED as the heating pad may effect contents.



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SIM Card Installation

Once the SaveStation Cabinet is properly installed, the next step in the setup process is the installation of the SIM card. The SaveStation cabinet requires the use of a Mini (Standard) sized SIM for cellular connectivity. *Note – See Ethernet connection instructions if applicable.*



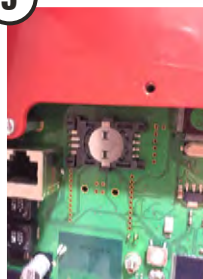
Only applicable for Distributors choosing not to use the North American Cellular Network Provider.



1. The SIM card can only be installed while the cabinet is turned off. If you have already turned on the cabinet, follow the “Shut Down” procedure before installation.
2. Using a small Philips screwdriver, open the access panel by removing the small crew on the right hand side of the cabinet.

3. Remove the panel and locate the SIM receptacle located at the top of the circuit board.
4. Gently rotate the circular lock counter clockwise to release the latch.
5. The receptacle can now swing open for the SIM to be inserted.
6. Insert SIM so the notch is on the top left as shown .
7. Close the receptacle and turn the circle clockwise to relock.
8. Restore power to the cabinet to continue with setup.
9. Close the access panel.

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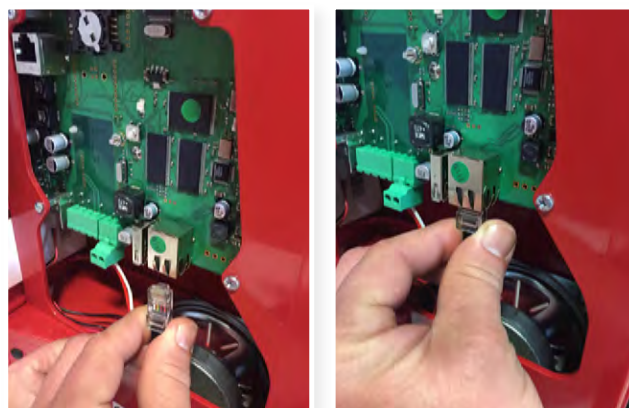
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Ethernet Installation

If cellular connectivity is unavailable, you will need to set up an Ethernet connection for your SaveStation.

1. Open the access panel with a small Philips screwdriver.
2. Bring the Ethernet cable through the same opening as the power supply wiring.
3. Insert cable into the Ethernet port situated to the right of the green power supply terminal.
4. Close the access panel.



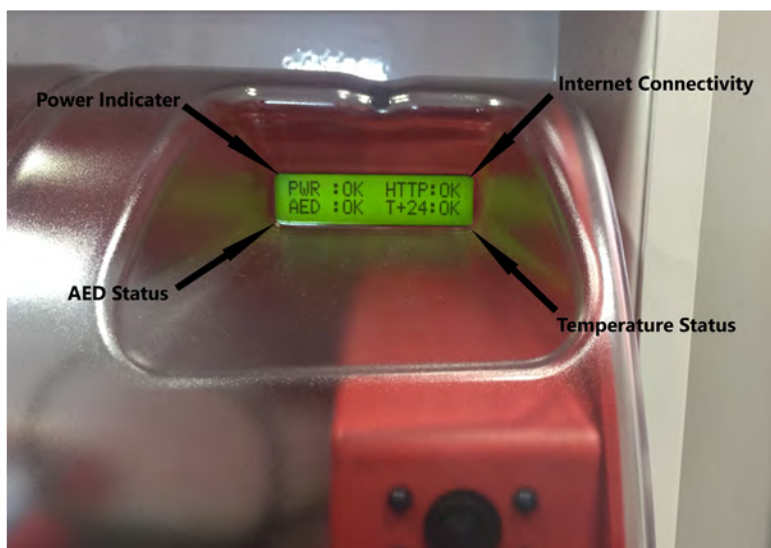
LCD Explanation

Once power is restored, the cabinet's lights will begin to flash and the LCD screen will light up. You will see the cabinet cycle through its start up, then it will typically show four categories when the door is closed:

- Power Indicator
- AED Status
- Internet Connectivity
- Temperature Status



If the door remains open, the cabinet will stay in Maintenance mode and display "OPEN MODE MAINTENANCE"



CODES DEFINED

Power

PWR: OK

Power supply is connected and working properly.

PWR: - -

Power supply is not working and the SaveStation is operating on its back up battery (this will typically last 2.5 hours if fully charged).

AED

AED: OK

AED is present, functioning and the sensor is operating correctly.

AED: HS

AED is present, and the sensor is detecting a failure.

AED: - -

AED is not correctly linked to the sensor.

AED: ??

Indicates a malfunction, please contact your distributor.

AED: 1C

AED status sensor is to be calibrated – See Optical Sensor Setup.

AED: TT

AED status sensor is unplugged or not operating. Check the AED status sensor connection. Contact your distributor if the problem persists.

Internet Connection

HTTP: OK

Last transaction was OK.

HTTP: ok

Invalid answer from the server.

HTTP: --

Connection default.

HTTP: cx

Connection is in progress.

All the other states indicate a transmission is in progress.

Temperature

T+25: OK

AED temperature, and the status of the temperature sensor.

T+25:

Temperature (in Celsius)

T- - -

Indicates the temperature sensor is disabled

T-HS:

Temperature sensor is out of order. Contact your distributor.

T???:

Indicates a malfunction, contact your distributor.

T+51: HS

Temperature is out of range. Check the Defibrillator status with your distributor.

AIVIANET Access

As an owner and/or distributor of SaveStation monitored products, you will have unique access to the Hd1py Aivianet server.

This access will allow you to:

- View cabinet activity/status
- Change settings
- Set up alerts
- Control cabinet features remotely

If you are already set up as a distributor of Aivia products, you will already have an account and all of the cabinets you have sold should be listed under you.

To create an account please send an email to: **support@savestation.ca** with:

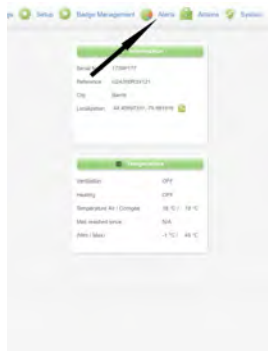
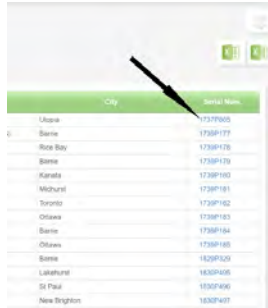
1. Your First and Last Name
2. A unique username of your choosing (typically company name)
3. A password of your choosing
4. The email address that you would like attached to the account
5. A list of Serial Numbers of all monitored SaveStation cabinets purchased. (ie: 1831P775) This can be found on the box, or inside cabinet (where the AED would be placed) on the lower right hand side

It will typically take 1 to 2 business days to complete the registration.

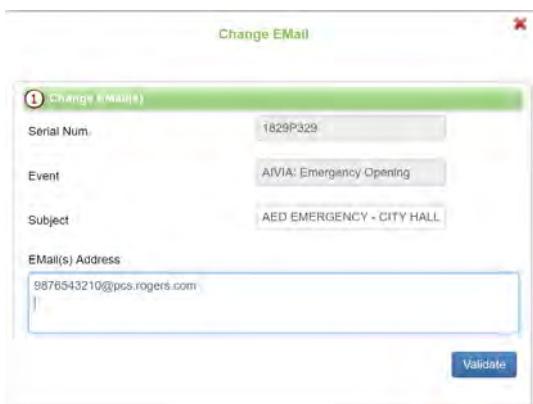


AIVIANET Alert Setup

1. Log into your Hd1py Aivianet distributor account: <https://aivia.hd1py.com>
2. Click on the desired cabinet that you want to setup
3. Click on the Alerts tab
4. Choose the Alert that want to add



5. Input an additional Subject heading (AED EMERGENCY – CITY HALL – COME HELP!!!)
6. * It's recommended to add something to identify the location especially if the people on your response list may be notified by multiple cabinets.
7. Add the desired emails or email to text addresses (see inset).



Provider Emails.

Simply add the 10 digit phone number before the provider email to setup alerts.



Format:
7778889999@provider.com

CANADIAN

Rogers Wireless: @pcs.rogers.com
Fido: @fido.ca
Telus: @msg.telus.com
Bell Mobility: @txt.bell.ca
Koodo Mobile: @msg.koodomobile.com
MTS: @text.mtsmobility.com
President's Choice: @txt.bell.ca
Sasktel: @sms.sasktel.com
Solo: @txt.bell.ca
Virgin: @vmobile.ca

AMERICAN

AT&T: @txt.att.net
T-Mobile: @tmomail.net
Verizon: @vtext.com
Sprint: @messaging.sprintpcs.com
Xfinity Mobile: @vtext.com
Virgin Mobile: @vmobl.com
Tracfone: @mmst5.tracfone.com
Metro PCS: @mymetropcs.com
Boost Mobile: @sms.myboostmobile.com
Cricket: @sms.cricketwireless.net
Republic Wireless: @text.republicwireless.com
Google Fi (Project Fi): @msg.fi.google.com
U.S. Cellular: @email.uscc.net
Ting: @message.ting.com
Consumer Cellular: @mailmymobile.net
C-Spire: @cspire1.com
Page Plus: @vtext.com

We have provided a template to collect responder information:



Download template

Alert Lists

As both a SaveStation distributor and the owner of the SaveStation cabinet, you can arrange who is to receive alerts when the cabinet detects an issue.

The list of possible alerts is quite extensive. Please review the Aivia 300 Installation and User Guide for complete setup instructions. This can be found in the help menu at: <https://aivia.hd1py.com>

The following alerts are most common. It is highly recommended that these alerts be set up. *Please note that these alerts have been grouped for explanation, but are to be set up individually on the server.*

- 1. AED Operational/Not Operational:** These alerts rely on the cabinet's optical sensor to read the ready signal of the AED. Should an event occur that causes the AED to be not ready for rescue (ie: low battery), the cabinet will send an alert to everyone on the list to report it. *NOTE – Due to many environmental variables like sunlight, high winds etc, the cabinets will occasionally produce a false alert. If this is the case, an AED Operational alert will follow shortly thereafter.*
- 2. High/Low/Normal Temperature:** These alerts will inform you if the cabinet's internal temperature is outside of the desired spectrum (0°C to 50°C). Depending on the geographic location of the cabinet, the hottest days of the summer or the coldest days of winter, may cause a temporary issue. *The cabinets will alert you of the issue, and an AED Operational alert will follow when the cabinet has returned to normal temperature.*

- 3. Power Off/On:** These alerts will inform you if the cabinet has lost power and if power has been restored.
- 4. Emergency Opening:** This alert will be sent when the cabinet has been opened without the use of a maintenance card. *This alert can generally be set up for a group of up to 50 volunteers.* This will allow for additional help to notified, should the cabinet be opened in an emergency. A template has been included to gather the required information for this list.
- 5. AED Removed:** This alert will be sent once the AED has been removed during an Emergency Opening. It is recommended that *everyone on the Emergency Opening list, should be placed on this list as well.* They will now receive two alerts in the event of an actual incident, as opposed to only one if the cabinet was opened on error (curious bystander).



If you have any issues or questions, please feel free to call 1-833-728-7828 or email: support@savestation.ca.

Maintenance Mode

To place the cabinet in Maintenance Mode, swipe the maintenance card as shown on the right outside wall of the cabinet, until you hear a beep and the LCD screen indicates Maintenance.

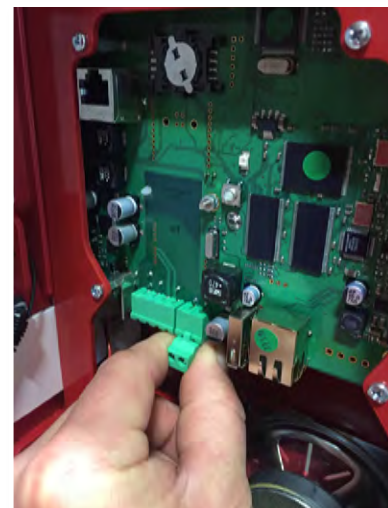
The following scenarios require the use of the Maintenance Mode:

1. To initiate the Shutdown Sequence.
2. If the cabinet door is closed and needs to be opened without triggering the alarm.
3. If the alarm is on and needs to be turned off.
4. To initiate a download from the Aivia server.
5. To initiate a download from a USB memory stick

Cabinet Maintenance & Shutdown Sequence

If the SaveStation Cabinet needs to be powered down for any reason, follow the following steps:

1. Place in Maintenance Mode (see above). Open the access panel located on the right of the cabinet.
2. Firmly grasp the Green terminal and pull down till it releases.
3. Wave the Maintenance Card as shown on the right outside wall of the cabinet until you hear a beep and the LCD screen indicates Maintenance.
4. While in Maintenance Mode, wave the Shutdown card in the same manner and you will see the LCD screen display Shutdown. The cabinet will now begin its shutdown cycle.
5. Note: If you do not remove the electrical terminal prior to using the shutdown card, the cabinet will reboot and return to operating mode.



911 Location Sticker

An important final step is to customize the 911 location sticker for your specific location.

The provided blank area on the SaveStation cabinet door is aligned with the Avery6874 label size. These are weather proof labels and the product we recommend.

1 label sheet is included with your SaveStation. Please download our template to modify and print (or ask us if you need assistance!).

 **Download the template**



Register with 911

1. The goal is to have all public AEDs registered with 911 to ensure that bystanders can be directed to the closest AED.
2. Contact your local EMS to register your AED or visit [savestation.ca](https://www.savestation.ca) to find your registry.
3. Contact us to help you facilitate this registration.





SaveStation® Tower

Anywhere you are, SaveStation is there.

 **SAVESTATION®**
The Power to Save a Life.

1-833-728-7828 (SAV STAT)