

Cardiac ReStart

Installation Guide – Freestanding AED Smart Cabinet



Planning

- It is best to place the AED Smart Monitored Cabinet in high traffic areas where people can see it from multiple directions in
- The AED Smart Monitored Cabinet is designed to meet the ADA requirements, ensuring that the cabinet handles are at the right height (48") to allow for easy opening & compliance
- When possible, choose to have the front of the AED cabinet not face south as this will help minimize the amount of prolonged direct sun exposure
- The gold keys provided simply allow for the removal of the front stainless-steel panel to provide access to the electrical components
- Inside the red cabinet you will find a plastic bag which has your maintenance card, shutdown card, and bungee cord



For a video showing the cabinet being opened visit: <https://advocates4health.org/videos-2/>

Tools

To complete the installation, you will need the following tools:

- Hammer drill which accommodates a 1/2" masonry bit. *If your electrician does not own this, they can be rented from any Home Depot Rental Center or local rental center.*
- 1/2" masonry bit for use with a hammer drill
- Four (4) Wedge Anchors for heavy duty concrete use, 1/2" diameter x 3-3/4" in length.
- Wrench or a socket to tighten bolts
- Non corrosive shims in case the concrete surface is uneven.
- Carpenter pencils or a marking device
- Hammer
- Level



Example

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Electrical Setup Information

Using the gold keys unlock and remove the stainless-steel front panel. When looking at the grey waterproof junction box you will see black, white, and green wires for electrical hookup extending out from the right side. There is no need to open the junction box which stores the Meanwell 24VDC/100W SELV Power Supply. Wire nut connection is all that is needed to be done for the black and white wires. The green (neutral) wire has a ground post at the back of the cabinet for connection.



Note: There is a disconnect toggle on the right side of the junction box. The unit will be shipped to you with the toggle in the OFF position. Once you have hooked up the electrical source ensure you flip the toggle to the ON position to electrify the unit.



This electrical source can be brought in from the bottom (base) of the freestanding unit. Alternatively, holes can be drilled into the structure to allow the electrical to come through the side or rear of the freestanding unit.



Physical Installation

- Position the bottom (base) of the Freestanding unit in desired location. Using carpenter pencils or a marking device, mark each hole onto the installation surface. Please ensure to mark the entire hole area so you can drill the ½" bit directly in the middle of each hole.
- Drill each ½" hole using the hammer drill with ½" masonry bit. Ensure the holes are at least 4" deep to accommodate the wedge anchor.
- After the holes have been drilled, ensure all accumulated drilling debris is removed from the hole area. Place the freestanding unit directly over the drilled holes, and align.
- Assemble the four wedge base anchors with the flat washer, lock washer, and nut. Ensure the nut is at the very top of the bolts thread area. Insert these assembled anchors through the base of the freestanding unit and into the previously drilled holes.

For additional information on how to install concrete wedge anchors view: https://youtu.be/3JI_9ggbmcY

- Tap the anchors with the hammer until the washers and nut have contact with the base. Ensure the nut at the top of the bolt doesn't have bolt threads visible. If this happens during the process of hammering the bolts into place, stop and turn the nut so the threads don't show, then continue to hammer into place.
- Using a wrench or socket, tighten all four bolts. Be careful not to over tighten.
- Check to confirm the freestanding unit is level, if not use shims as needed.

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- Now have your electrician will complete the final electrical hookup. Ensure the unit is toggled ON.
- Place the stainless-steel panel back on the unit, and lock into place with gold keys.

AED Placement in Cabinet

- Clean off the AED ready symbol so there is nothing blocking the indicator light
- Attach the black sensor base on to the AED, allow the tiny optical window to be directly placed over the indicate light. Depending on the AED model, *you may need to cut the bag to allow for this to happen.*
- Since the cabinet is already electrified, plug the end of the black optical sensor into the ethernet port inside the cabinet. Once this happens it may take a few minutes as the cabinet and the sensor to communicate. At this point you can now place the sensor onto the base, these will line up and stay connected via magnets. When the sensor is properly placed over the base, the sensor will begin to flash green. This is the sensor recognizing the ready symbol (indicator light) of the AED. After a couple minutes the sensor should begin to display a solid green light, at this point the LED screen show on the cabinet should read “OK” beside AED.
- Place the AED against the white heater panel at the back of the cabinet, this will ensure the battery is kept warm. Use the hooks built into the inside of the cabinet and the small bungee cord to secure the AED in place against the heater.
- The LED screen on the cabinet should read “OK” beside PWR (Power), HTTP (Cellular Connectivity), AED, and Temperature.



Future Maintenance & Shutdown

If you need to put the cabinet in “Maintenance Mode”, swipe the maintenance card (not the shutdown card) along the right side of the red cabinet over the “A” of AED. When you do this, you should hear a beep, and then the LCD screen will now read “Maintenance Mode”.



Complete whatever maintenance is necessary, and once done shut the clear plastic door. The LCD screen should now display the four “OK” readings.



If you ever need to fully shutdown the cabinet, you will put the cabinet in maintenance mode, detach the power from the cabinet by disconnecting the green power terminal, and then swiping the shutdown card along the right side of the cabinet. The LCD will then display Shutdown, and begin this process.

Cleaning

Using a clean white cloth or paper towel, the surface of the stainless-steel structure can be cleaned with a 70% isopropyl alcohol to remove any surface contamination. Going with the grain of the stainless steel, you can use a Scotch-Brite scour pad to “sand out” any scratches. Once the scratches have been removed, you will then re-wipe the surface with 70% isopropyl alcohol.