

AED Cabinet

Installation and Operation Guide for HeartSmart Cabinets



Thank you

for purchasing this premium defibrillator cabinet. It will protect and display your AED for years to come.

This guide presents an overview of the installation and operation of your cabinet. Please read it thoroughly before mounting the cabinet.

To ensure proper operation, do not modify the cabinet or alarm beyond the instructions in this booklet.



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Positioning Your AED Cabinet

Review the following considerations before choosing your cabinet location.

ADA Guidelines

The Americans With Disabilities Act (ADA) Accessibility Guidelines (ADA.gov) specify reach ranges for building occupants who require access to equipment such as fire extinguishers and other safety devices.

ADA guidelines specify objects shall protrude no more than 4 inches into walks, corridors, passageways, or aisles if the object's bottom edge is between 27 and 80 inches above the finished floor.

If mounting an AED cabinet in a hallway ("walks, halls, corridors, passageways, or aisles" and other circulation paths, both interior and exterior), or - if the cabinet will stick out more than 4" (most surface mount cabinets) - make sure the bottom edge of the cabinet is mounted no more than 27" above the floor (see figure 1). An alternative is a recessed cabinet which does not stick out more than 4".

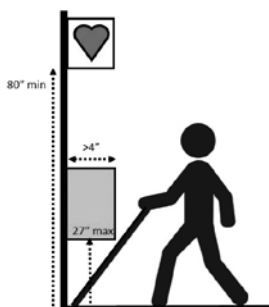


Figure 1: If using a surface-mounted AED cabinet which sticks out 4" or more, make sure the bottom edge of the cabinet is mounted no more than 27" above the floor.

Positioning Your AED Cabinet

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If someone in a wheelchair can only access the cabinet by facing it (for example in an alcove and the person would reach in front of them to grab the handle), the handle of the cabinet must be no more than 48" above the floor (see figure 2).

If someone in a wheelchair can approach the cabinet from the side (like most hallways), the handle of the cabinet must be no more than 54" above the floor (see figure 3).

Obstructions

It is important to, make sure screws, bolts, and wall anchors will not penetrate electrical wires, pipes, conduit, or duct work inside the wall. The same holds true for power and hand tools such as saws and drills.

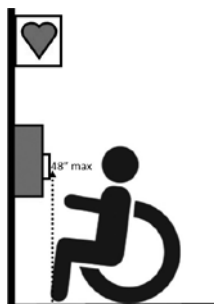


Figure 2: For most AED cabinets, if the bottom of edge of the cabinet is no more than 27" above the floor, the handle will also be no more than 48" above the floor (as the handle is usually only located a few inches from the bottom of the cabinet).

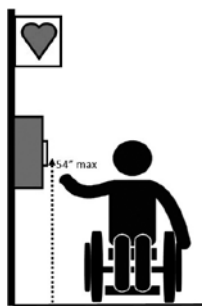


Figure 3: Again, for most AED cabinets, if the bottom of edge of the cabinet is no more than 27" above the floor, the handle will also be no more than 54" above the floor (as the handle is usually located a few inches from the bottom of the cabinet).

Assembly and Installation

Surface Mount Installation

1. **Safety First!** Before attaching your cabinet to a wall, make sure the screws, bolts, and wall anchors will not penetrate electrical wires, pipes, conduit, or duct work inside the wall. The same holds true for power and hand tools such as saws and drills.
2. Keep in mind local fire codes and ADA Accessibility Guidelines when deciding where to wall/surface mount your cabinet, and to provide optimum accessibility.
3. Locate metal or wood studs within the walls and mark their locations. 16" centers are the most common spacing.

Drywall with wood studs - Align 2 vertical holes of cabinet with stud. Pre-drill holes and use wood screws to anchor the cabinet. $\frac{3}{16}$ " x $1\frac{3}{4}$ " wood screws are recommended. Use drywall anchors and screws for the 2 other vertical holes.

Drywall with metal studs - While securing to metal studs is possible, we recommend avoiding metal studs and using drywall anchors and screws for all 4 holes. Pre-drill for anchors using 50 lb metal drywall anchors with fins for easier installation.

Concrete, Block and Brick - Pre-drill and use concrete anchors (blue screws) for all 4 holes. Recommended $\frac{3}{16}$ " x $1\frac{3}{4}$ " concrete anchors.



Basic cabinet with rounded corners



Back shows holes for wall mounting



Mounting hardware included

Alarm Features

All cabinets can be equipped with an audible alarm to announce a rescue is in progress.

Powerful audible alarm

The 80 decibel level ensures attention.

Plunger style door switch

Designed for long life and durability.

Low battery warning

Alarm “chirps” to warn when alarm unit’s battery needs replacement.

Manual audible alarm on-off switch

Key disables alarm post-emergency or during maintenance.

Easy access battery compartment

One screw secures the cover.



**Cabinet
Key Switch**

**Wiring to
Strobe
Alarm**

**Plunger
Door
Switch**

Alarm



Alarm Switches & Controls

Cabinets equipped with an alarm have an “on-off” switch located on the side of the alarm unit.

Cabinet Key Switch

The key switch is used to turn the alarm on and off manually from outside of the cabinet. It is intended primarily for use when opening the cabinet for maintenance of your AED.

The key switch does **not** lock the cabinet door. Cabinets have latches, but no locks. Cabinets are designed to remain unlocked at all times for emergency access. If you need to prevent access to your AED for any reason, it is necessary to move it to a secure location.

A pair of duplicate keys are provided with each new cabinet. Replacement keys are available for purchase.

Cabinet Door Switch

The plunger style switch activates the alarm automatically when the door of the cabinet is opened. The duration of the alarm is determined by presets.

Manual Audible Alarm Switch

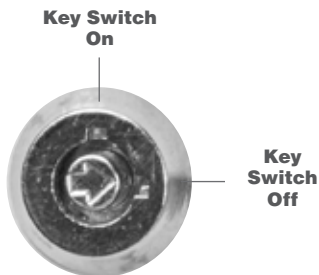
A manual on-off switch is built into the side of the alarm.

Alarm Controls

Operation of the optional key switch and optional external alarm relay wiring. Strobe must be ordered with the cabinet. May not be retrofitted.

Battery and Maintenance

The alarm requires a 9-volt alkaline battery which provides power to the alarm & strobe for about 2 years. To check the battery, make sure the alarm key and alarm switch are both turned to the ON position, then open the door and the alarm will sound if the battery remains functional.



Key switch positions for audible alarm



Audible alarm unit



A single Phillips screw removes the alarm unit

Battery

Since the cabinet houses a critical piece of life-saving equipment, proper battery installation and annual maintenance is very important.

Installation

The alarm comes already attached to the inside wall of the cabinet. You may install a new 9-volt alkaline battery while the alarm is mounted inside the cabinet, or you may easily remove the unit for service. In either case, the battery compartment is accessed by removing the Phillips head screw from the front of the unit.

When the alarm unit, and strobe light if equipped, has been activated, it will function for up to two hours on a single 9-volt alkaline battery.

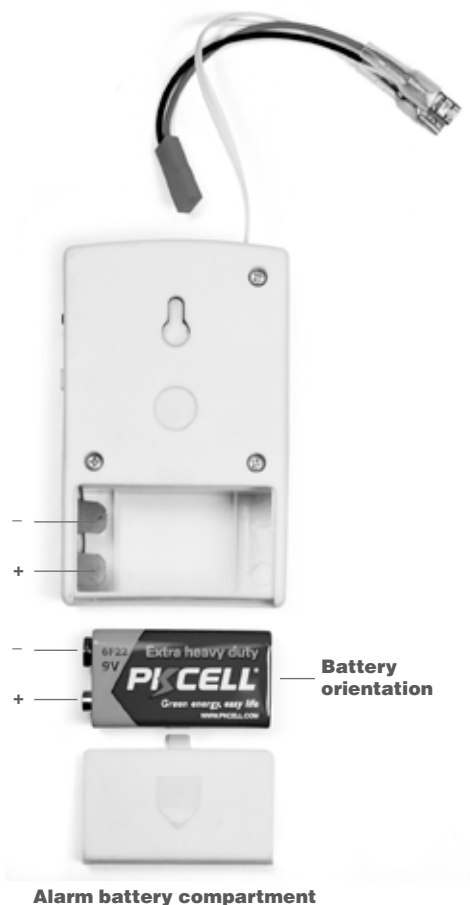
Maintenance

Only use a new, 9-volt alkaline battery.

Though a new battery may last approximately two years while in “standby” mode, a yearly battery change is recommended.

The alarm unit will emit a “chirp” sound when the battery level has reached its lowest charge level. The battery must be changed when the alarm unit is in this “failed” condition.

On a cabinet equipped with both an audible alarm and a strobe light, a low battery may allow the alarm to sound when activated, but not allow the light to flash. The battery must be changed regularly to prevent this situation.



Optional Strobe Light for Surface-Mount Cabinets

An extra measure of alarm and AED system security. Strobe must be ordered with the cabinet. May not be retrofitted.

Advantages

A built-in strobe light on your surface-mount cabinet provides two key benefits:

1. It is an excellent visual indicator an alarm is present as well as a deterrent to tampering.
2. In loud environments, such as manufacturing plants, it provides a highly visible alert where the audible alarm could go unnoticed.

Built-in Strobe for Cabinets



Cabinet Comparison Chart

Cabinet Dimensions			Inside Dimensions		
Supplier	Style	Mount	Height	Width	Depth
Indoor Cabinets					
HeartSmart	Compact	SM	11.5"	13.875"	5.875"
HeartSmart	Premium Rounded Corner Compact	SM	11.5"	13.875"	5.875"
HeartSmart	Standard	SM	14.625"	15.875"	8.25"
HeartSmart	Premium Rounded Corner Standard	SM	14.625"	15.875"	8.25"
HeartSmart	Tall	SM	30.25"	15.25"	8.25"
HeartSmart	Tall	SR	27"	12"	5.875"
HeartSmart	Tall	RM	27"	12"	5.875"
Cardiac Science	Standard	SM	17.375"	17.25"	6.875"
Cardiac Science	Standard	SR	14.125"	14.125"	7"
Cardiac Science	Standard	RM	14.125"	14.125"	7"
Defibtech	Standard	SM	17.875"	17.875"	3.875"
HeartStation	Budget	SM	14.875"	13.875"	6.625"
HeartStation	Compact	SM	12.75"	15.75"	6.25"
HeartStation	Compact	SR	13.625"	15.75"	6.125"
HeartStation	Standard	SM	21.75"	15.75"	5"
HeartStation	Standard	SR	21.75"	15.75"	5"
Philips Healthcare	Compact	SM	13.375"	16.375"	5.375"
Philips Healthcare	Standard	SM	20.875"	15.875"	5.375"
Philips Healthcare	Standard	SR	21.875"	13.875"	5.625"
Physio-Control	Standard	SM	17.125"	17.125"	6.125"
Physio-Control	Standard	SR	14"	14"	6.125"
Physio-Control	Standard	RM	14"	14"	6.125"
Physio-Control	Standard	52" Floor Stand	14"	17.25"	7"
ZOLL Medical	Standard	SM	17.375"	17.25"	6.875" *
ZOLL Medical	Standard	SR	14.125"	14.125"	7" *
ZOLL Medical	Standard	RM	14.125"	14.125"	7" *
ZOLL Medical	Tall	SM	30.25"	15.25"	8.25" *
ZOLL Medical	Tall	SR	27"	12"	5.875" *
ZOLL Medical	Tall	RM	27"	12"	5.875" *
ZOLL Medical	Clear	SM	15.125"	13.375"	7"
Outdoor Cabinets					
HeartSmart	Standard	SM	13.875"	13.875"	9"
Wood Cabinets					
HeartSmart	Compact	SM	12.5"	12.5"	6"
HeartSmart	Standard	SM	15.75"	15.75"	6.5"

SM = Surface Mount SR = Semi-Recessed Mount RM = Recessed Mount
***ZOLL standard and tall metal cabinets include a bracket which reduces depth by up to 1.5".**

Outside Dimensions			Rough Wall Opening			Weight
Height	Width	Depth	Height	Width	Depth	
Indoor Cabinets						
11.625"	14"	6"	—	—	—	8 lbs.
11.625"	14"	6"	—	—	—	8 lbs.
14.75"	15"	8.375"	—	—	—	11 lbs.
14.75"	16"	8.375"	—	—	—	11 lbs.
30.5"	15.375"	8.5"	—	—	—	23 lbs.
30.5"	15.375"	2.5"	27.125"	12.125"	4"	19 lbs.
30.375"	15.375"	.25"	27.125"	12.125"	6"	18 lbs.
17.5"	17.375"	7"	—	—	—	17 lbs.
17.5"	17.5"	3.125"	14.25"	14.25"	3.875"	16 lbs.
17.5"	17.5"	1"	14.25"	14.25"	6"	16 lbs.
18.25"	18.25"	4"	—	—	—	15 lbs.
15.375"	14.375"	6.875"	—	—	—	11 lbs.
16.75"	16"	6.375"	—	—	—	18 lbs.
19"	18"	2.625"	16.75"	16"	3.625"	21 lbs.
22"	16"	6.25"	—	—	—	31 lbs.
22"	16"	3"	22"	16"	3"	36 lbs.
15"	16.5"	6.125"	—	—	—	14 lbs.
22.25"	16"	6"	—	—	—	27 lbs.
24.5"	16.5"	2.625"	22"	14.25"	3.75"	30 lbs.
17.375"	17.375"	7"	—	—	—	19 lbs.
17.375"	17.375"	3.375"	14.125"	14.125"	3.125"	19 lbs.
17.375"	17.375"	1.5"	14.125"	14.125"	5.375"	14 lbs.
-	-	-	—	—	—	32 lbs.
17.5"	17.375"	7"	—	—	—	17 lbs.
17.5"	17.5"	3.125"	14.25"	14.25"	3.875"	16 lbs.
17.5"	17.5"	1"	14.25"	14.25"	6"	16 lbs.
30.5"	15.375"	8.5"	—	—	—	23 lbs.
30.5"	15.375"	2.75"	27.125"	12.125"	3.875"	19 lbs.
30.375"	15.375"	.25"	27.125"	12.125"	6"	18 lbs.
16"	16.5"	8.125"	—	—	—	15 lbs.
Outdoor Cabinets						
16"	16"	9.75"	—	—	—	13 lbs.
Wood Cabinets						
15.625"	16.5"	8.375"	—	—	—	16 lbs.
18.5"	19.125"	8.625"	—	—	—	24 lbs.

Cabinets equipped with an optional strobe light add approximately 3" to the height.

HeartSmart Limited 1-Year Warranty on AED Cabinets

HeartSmart warrants to the original purchaser its Automated External Defibrillator (AED) Cabinets will be substantially free from defects and workmanship under normal use and service for one (1) year from date of shipment from HeartSmart. For purposes of this Limited Warranty, the original purchaser is deemed to be the original end user of the product purchased. This Limited Warranty is NONTRANSFERABLE and UNASSIGNABLE.

HeartSmart makes no expressed, implied, or statutory warranty for products which are subjected to unusual physical or electrical stress, misuse, abuse, neglect, accidents, fire, flood, acts of God, improper installation, alteration/modification, repair, loss or damage in transit, improper testing, inadequate maintenance, or purchased for use outside the United States of America.

This Limited Warranty does not cover items subject to normal wear and burnout during use, including but not limited to lamps, fuses, batteries, and accessories.

If an AED Cabinet fails to conform to this Limited Warranty, HeartSmart, at its sole election, will replace the AED Cabinet with the closest similar product available at the time, or issue a store credit to the original purchaser for the original invoice price excluding discounts and shipping costs. This credit may be used toward the purchase of any product(s) from HeartSmart. AED Cabinet replacements will be warranted subject to the conditions of this Limited Warranty for either (a) 30 days or (b) the remainder of the original warranty period, whichever is longer, provided the warranty applies and the warranty period has not expired.

The original purchaser is responsible to promptly (a) notify HeartSmart, in writing, the details why the AED Cabinet(s) product failed to conform, (b) obtain a "Return Merchandise Authorization" (RMA) number from HeartSmart, and (c) return product freight prepaid to HeartSmart using a reputable carrier who will issue a shipment tracking number, or as otherwise designated by HeartSmart during the warranty period. The RMA number must be clearly printed on the outside of the return product packaging. HeartSmart is not responsible for AED Cabinets which are lost or damaged during shipping.

If the AED Cabinet is still covered under the manufacturer's original warranty, any claims for support or repair must be made directly with the manufacturer and all repair or replacement costs are the sole responsibility of the manufacturer. If the manufacturer's original warranty has expired, this Limited Warranty will apply, provided the warranty period has not expired.

HeartSmart DOES NOT WARRANT THE AED CABINET(S) WILL PERFORM ERROR-FREE OR WITHOUT INTERRUPTIONS. HeartSmart IS NOT LIABLE FOR DIRECT OR INDIRECT, SPECIAL, INCIDENTAL OR CONSEQUENTIAL DAMAGES OF ANY KIND, INCLUDING LOSS OF BUSINESS OR PROFITS, PERSONAL INJURY, OR EXEMPLARY DAMAGES RESULTING FROM A PRODUCT DEFECT COVERED BY THE WARRANTY, WHETHER BY NEGLIGENCE OR OTHERWISE.

If any part or term of this Limited Warranty is held to be illegal, unenforceable, or in conflict with applicable law by any court of competent jurisdiction, the validity of the remaining portions of the Limited Warranty shall not be affected, and all rights and obligations shall be construed and enforced as if the Limited Warranty did not contain the particular part or term held to be invalid.

This Limited Warranty gives you specific rights, and you may also have other rights, which vary from state to state.

Effective on AED Cabinets shipped after August 1, 2019.