

AED Cabinet

Installation and Operation Guide





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 or programming the alarm.

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), use either a recessed cabinet* which does not stick out more than 4", 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).



* If you are installing a recessed cabinet, make sure the thickness of the wall will accommodate an adequate recess.

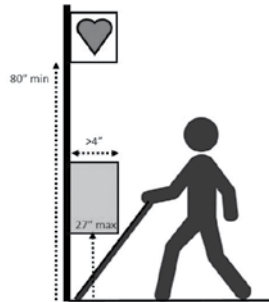


Figure 1: If using a surface-mounted AED cabinet which sticks out 4" or more, make sure the bottom edge of the cabinet is mounted no more than 27" above the floor.

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).

Fire Codes

Installing cabinets into fire walls may require that you install a fire-rated cabinet. Check with your local fire inspector or code enforcement officer.

Obstructions

Whether you choose to surface mount or recess mount your cabinet, 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.

Outdoors

Fiberglass cabinets are recommended for outdoor installations. Choose a location out of direct sunlight to avoid internal heat build-up.

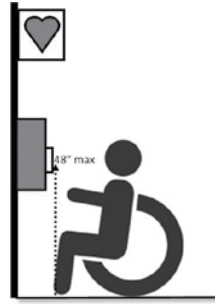


Figure 2: For most AED cabinets, if the bottom of edge of the cabinet is no more than 27" above the floor, the handle will also be no more than 48" above the floor (as the handle is usually only located a few inches from the bottom of the cabinet).

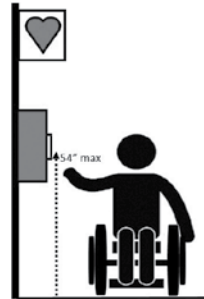
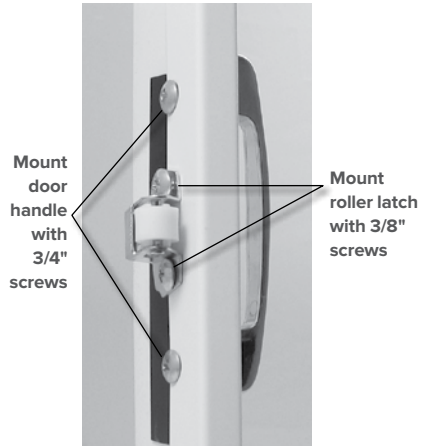


Figure 3: Again, for most AED cabinets, if the bottom of edge of the cabinet is no more than 27" above the floor, the handle will also be no more than 54" above the floor (as the handle is usually only located a few inches from the bottom of the cabinet).

Assembly and Installation

Door Handle and Roller Latch Assembly

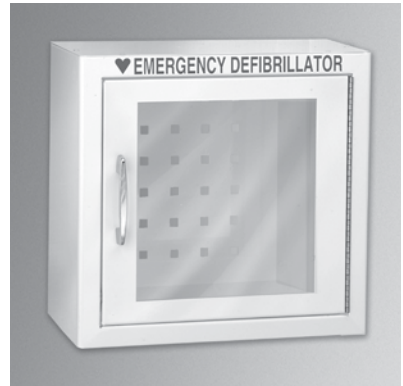
1. Locate the plastic bag containing the cabinet door handle, roller latch, and mounting screws.
2. Secure the handle opposite the hinge on the cabinet door. Use the 3/4" machine screws to mount the handle on the outside of the door.
3. Fasten the roller latch on the inside of the cabinet door. Place the roller over the two oval holes found between the handle screws so it faces away from the window. Secure the roller latch using the two 3/8" sheet metal screws provided. The oval holes enable you to slide the roller latch right (to door edge) to increase or left to decrease door tension.



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 woods studs within the walls and mark their locations. 16" centers are the most common spacing.

Metal cabinets: Four mounting holes have been pre-drilled into the cabinet. Make certain that you fasten a minimum of two of these anchor points into one or more wall studs.



Fiberglass cabinets: Mounting holes are not pre-drilled. Fill holes you drill with sealant to prevent entry of dust or moisture.

4. Use proper bolts, screws, or wall anchors (not provided) where needed.

Recessed Mount Installation

1. Safety First! Before installing your cabinet within a wall, 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 your power and hand tools such as saws and drills.
2. Keep in mind your local fire codes and ADA Accessibility Guidelines when deciding where to recess or semi-recess mount your cabinet in addition to making sure your AED is accessible to those who need it.
3. In a wall constructed of metal or wood studs, install a framed opening in the wall at the cabinet's intended location. Wall opening width, height, and depth must correspond to the tank dimensions of the cabinet. The dimensions of all standard and compact size AED cabinets are designed to fit between two studs on 16" centers, the most common spacing.
4. Cabinet measurements featured on pages 14-15 are approximate and subject to change without notice. Check and re-check measurements before cutting holes in walls for recessed cabinets. Rough wall opening measurement provided is the cabinet size. Wall opening will be slightly larger.
5. Frame wall above, below, and at both sides of cabinet opening. Load bearing walls will require you to double the studs on either side of the cabinet tank. If cutting a wall stud is required for you to install the cabinet, you will have to make a load-bearing header and install it above the cabinet tank.
6. Place cabinet in position and anchor the cabinet using the convenient pre-drilled holes in the cabinet sides. Attach cabinet to intended location with screws, bolts, or anchors, as required (not included).
7. Check the cabinet door for freedom of movement throughout its entire range of travel. If binding occurs, use shims to remove any racking of tub attachments on studs.



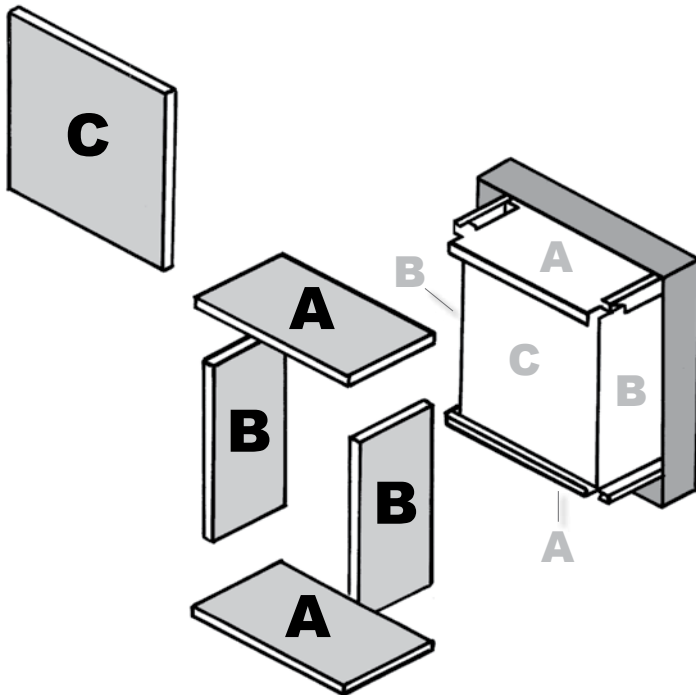
Fire Rated AED Cabinet Installation (semi-recessed cabinets only)

Preparing Fire Rated Cabinet for Mounting into Wall

1. Remove cabinet from carton. Note drywall mounting brackets have been installed at the factory on the outside of the cabinet box.
2. Using type 'X' 5/8" drywall, cut sizes corresponding to cabinet model:

Model (semi-recessed only)	2 PC. "A"	2 PC. "B"	1 PC. "C"
Compact (AMP147)	7" x 13"	6.5" x 11.25"	13" x 11.25"
Standard (AMP180)	7" x 15.5"	6.5" x 14.25"	15.5" x 14.25"
Tall (AMP184)	6.5" x 13.375"	6" x 27.125"	27.125" x 13.375"

3. Insert 2 PC. "A" into bracket at top and bottom of cabinet.
4. Insert 2 PC. "B" into bracket at each side of the cabinet.
5. Insert 1 PC. "C" into bracket from side of cabinet.
6. Fill void inside trim with 4 PCF mineral wool. Overfill slightly so mineral wool compresses slightly when cabinet is installed. It is important that the mineral wool is in contact with the wall.



Fire Rated Cabinet Wall Mounting Instructions

1. Follow the instructions below to mount your fire rated cabinet in the wall after your cabinet has been prepared with drywall inserts.
2. Select the wall opening size for the cabinet being installed. Allow 1/8" maximum gap between cabinet and wallboard.

Model (semi-recessed only)	WALL OPENING		MINIMUM WALL
	Width	Height	Depth
Compact (AMP147)	12.75"	13.25"	4.875"
Standard (AMP180)	15.75"	15.75"	4.875"
Tall (AMP184)	28.625"	13.625"	4.875"

3. Frame the opening in drywall with wood or metal studs on vertical sides.
4. Insert the cabinet into the wall opening.
5. Fasten the cabinet into the opening.



Alarm Features

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

Powerful audible alarm

The 85-120 decibel level ensures attention.

Four programmable alarm settings

Perfect for any application.

External alarm connection

Optionally wire the cabinet's alarm unit to an external security system.

Quality mechanical 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

Disables alarm post-emergency or during maintenance.

Easy access battery compartment

One screw secures the cover.



Alarm Switches

Cabinets equipped with an alarm have an “on-off” switch on the cabinet and on the alarm unit.

Cabinet Key Switch

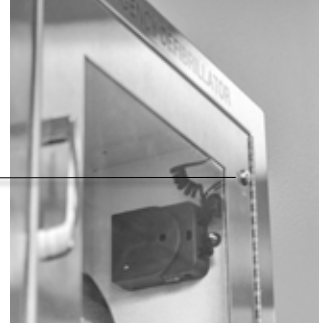
The key switch is used to turn the alarm on and off manually from outside of the cabinet. It is intended primarily for use when opening the cabinet for maintenance of your AED.

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 pressure-loaded mechanical switch activates the alarm automatically when the door of the cabinet is opened. The duration of the alarm is determined by presets. See page 13 for alarm setting options.



Cabinet
Key Switch



Cabinet
Door Switch

Cabinet
Key Switch

Manual
Audible
Alarm Switch

Manual Audible Alarm Switch

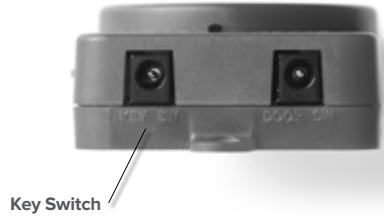
A manual on-off switch is built into the front of the alarm. It will not deactivate the optional strobe light.

Alarm Controls

Operation of the optional key switch and optional external alarm relay wiring

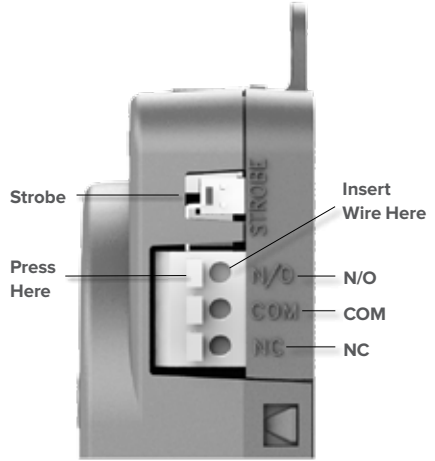
Key Switch

The key switch assembly is attached to the top of the alarm unit.



External Alarm Relay Wiring

Optional wiring connections are built into the side of the alarm unit so that it can be integrated with an external security system. Connect security system wires by inserting them into the connection slots of the alarm unit.

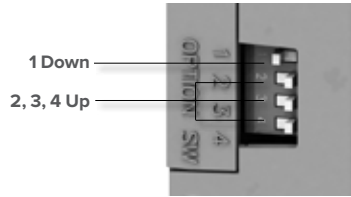


Alarm Settings

Choose the alarm setting that will best alert rescuers at your location.

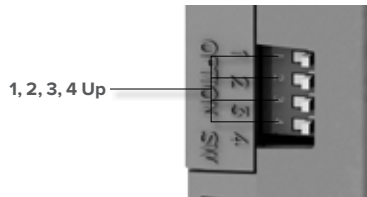
Setting One: Door Activated

Unless otherwise specified, all alarms are shipped preset to this option. The alarm turns “on” when cabinet door is opened, and turns “off” when door is closed. Move “DIP” switch #1 to the “down” position, and switches 2, 3, and 4 to the “up” position.



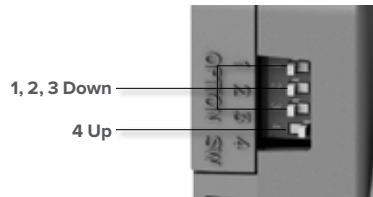
Setting Two: Constant On

Alarm turns “on” when cabinet door is opened and turns “off” when alarm is reset or when key is used to turn off the key switch. Move all of the “DIP” switches to the “up” position.



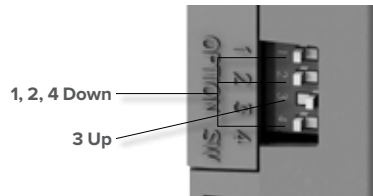
Setting Three: 30 Seconds

Alarm turns “on” for 30 seconds when cabinet door is opened and turns off automatically. Move “DIP” switches 1, 2, and 3 to the “down” position, and move switch 4 to the “up” position.



Setting Four: 3 Minutes

Alarm turns “on” for 3 minutes when cabinet door is opened and turns off automatically. Move “DIP” switches 1, 2, and 4 to the “down” position, and move switch 3 to the “up” position.



Battery

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

Installation

The alarm is attached to the inside wall of the cabinet using one of two methods: bolted at the top and bottom of the alarm, or using a “hook and loop” fastener system on the back of the alarm. 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.

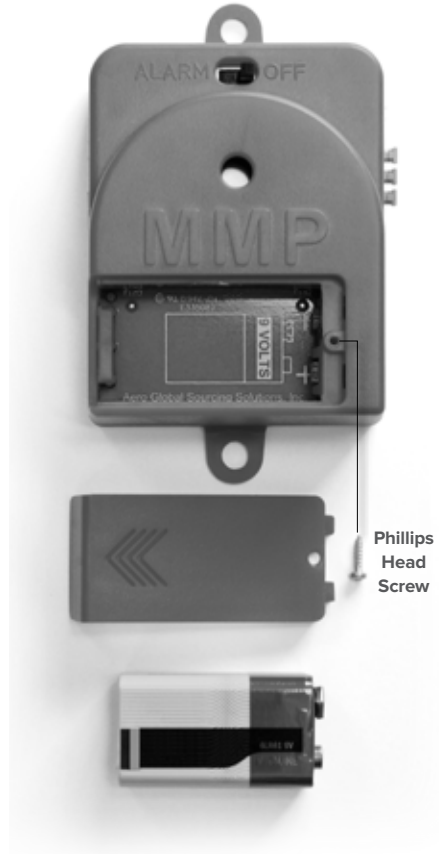
Maintenance

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 Alarm Pressure Switch Riser Bracket

For use in metal wall mount AED cabinets equipped with an audible alarm.

Advantages

This cabinet pressure switch/riser activates your AED cabinet's alarm and/or strobe light, if equipped, only when your AED is removed from the cabinet. And acting as a riser bracket, it raises the AED off the cabinet floor to display it nicely in the cabinet window.



The door or pressure switch connection is located on the top side of the alarm unit

Installation

The quick-connect cord plugs into the alarm in your cabinet in just seconds. Simply unplug the **door alarm switch wire** on the **top side** of the alarm unit, then plug in the **pressure switch wire** from your new bracket. Tuck away the door alarm switch wire. If you wish to use the door switch in the future, simply switch the plugs back.

Please note:

- Your present cabinet must contain either an alarm or strobe/alarm combination and be a cabinet model with a part number which starts with "AMP".
- The bracket may not work with other manufacturer or specialty cabinet brands.



Door or pressure switch connection

Optional Strobe Light for Surface-Mount Cabinets

An extra measure of alarm and AED system security.

Built-in Strobe for
Surface-Mount Cabinets

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.

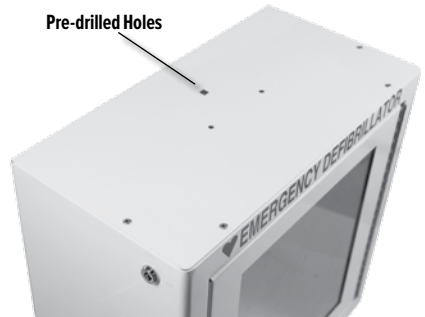


Built-in Strobe Light Instructions for Installation

Metal Cabinets: If you purchased a strobe light with a compact or standard surface-mount coated steel or stainless steel cabinet, the light was installed prior to shipment and is connected to the alarm unit.

Fiberglass and Tall Metal Cabinets: If you purchased a strobe light with a surface-mount fiberglass or tall metal cabinet, mounting holes were pre-drilled in the top of the cabinet. The strobe light was shipped inside the cabinet. Power for your strobe light is provided through the alarm unit. Connect the strobe light to the receptacle on the side of the alarm. After installing the strobe on a fiberglass cabinet, seal the pre-drilled holes to prevent moisture entry.

Pre-drilled Holes

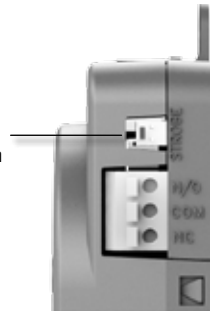


Adding a Strobe Light

You may purchase a strobe light separately at any time for use with a flush mount cabinet equipped with one of our audible alarms.



Strobe
Connection



Optional Satellite Strobe Light for Recessed and Semi-Recessed Cabinets

An extra measure of alarm and AED system security.

Advantages

A satellite strobe light on your recessed or semi-recessed 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.

Satellite Strobe Light Instructions for Installation

Our recessed or semi-recessed mount cabinets feature an entry hole for the wiring on the top of the cabinet. Power for your strobe light is provided through the alarm unit. Connect the strobe light to the receptacle on the side of the alarm.

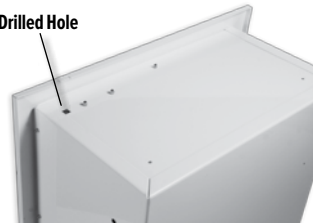
Adding a Satellite Strobe Light

You may purchase a satellite strobe light for use with a recessed or semi-recessed mount cabinet equipped with one of our audible alarms at any time.

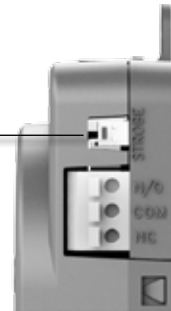
Satellite Strobe for Recessed and Semi-Recessed Mount Cabinets



Pre-Drilled Hole



Strobe Connection



Cabinet Dimensions			Inside Dimensions		
Supplier	Style	Mount	Height	Width	Depth
Indoor Cabinets					
Allied Medical Products	Compact	SM	12.875"	13.25"	6.875"
Allied Medical Products	Compact	SR	11.125"	11.75"	7"
Allied Medical Products	Compact	RM	11"	11.75"	6.375"
Allied Medical Products	Standard	SM	17.375"	17.25"	6.875"
Allied Medical Products	Standard	SR	14.125"	14.125"	7"
Allied Medical Products	Standard	RM	14.125"	14.125"	7"
Allied Medical Products	Tall	SM	30.25"	15.25"	8.25"
Allied Medical Products	Tall	SR	27"	12"	5.875"
Allied Medical Products	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					
Allied Medical Products	Standard	SM	13.875"	13.875"	9"
Wood Cabinets					
Allied Medical Products	Compact	SM	12.5"	12.5"	6"
Allied Medical Products	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						
13"	13.375"	7"	–	–	–	10 lbs.
14.5"	15"	3.125"	11.25"	11.75"	4"	10 lbs.
13"	13.5"	.25"	11.25"	11.75"	6.25"	10 lbs.
17.5"	17.375"	7"	–	–	–	17 lbs.
17.5"	17.5"	3.125"	14.25"	14.25"	4"	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"	2.5"	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.

Allied Medical Products Limited 1-Year Warranty on AED Cabinets

Allied 100, LLC, herein known as “Allied Medical Products”, 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 Allied Medical Products. 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**.

Allied Medical Products 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, Allied Medical Products, 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 Allied Medical Products. 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 Allied Medical Products, in writing, the details why the AED Cabinet(s) product failed to conform, (b) obtain a “Return Merchandise Authorization” (RMA) number from Allied Medical Products, and (c) return product freight prepaid to Allied Medical Products using a reputable carrier who will issue a shipment tracking number, or as otherwise designated by Allied Medical Products during the warranty period. The RMA number must be clearly printed on the outside of the return product packaging. Allied Medical Products 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.

ALLIED MEDICAL PRODUCTS DOES NOT WARRANT THE AED CABINET(S) WILL PERFORM ERROR-FREE OR WITHOUT INTERRUPTIONS. ALLIED MEDICAL PRODUCTS 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 April 1, 2014.



1800 Hwy 51 North
Woodruff, WI 54568

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