

# AED

## **AED** **Climate BOX**

Advanced cabinet for AED

powered by

## **AED** **Connect**

Cloud app for AED supervising

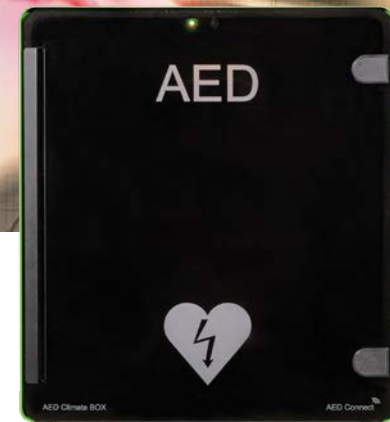
Registered design and patented technology

## Keep Your Defibrillator Safe and Ready 24/7

Defibrillators are life-saving medical devices that must remain fully operational and on standby 24/7, regardless of external conditions. Their primary function is to provide immediate first aid and protect life, which makes them particularly vulnerable to environmental factors when stored outside. Many users unknowingly place them in basic cabinets, unaware that extreme temperatures – whether too high or too low – can irreparably damage the defibrillator's components or render it completely inoperable.

Unfortunately, the damage often becomes apparent only during a critical rescue operation, when there is no time for repairs, and those on the scene are relying on the defibrillator to function correctly. Such a failure can result in tragic consequences.

AED Climate BOX solves these issues by maintaining optimal conditions for defibrillators, ensuring they are always protected, operational, and ready for use, no matter the weather.



## Reliable Protection for Defibrillators Against Extreme Temperatures and Environmental Risks

A defibrillator is a sensitive medical device made of electronic components that, despite advancements, remain vulnerable to extreme temperatures. Excessive heat or cold can trigger an error state, rendering the device non-functional. Prolonged high temperatures, particularly in summer, can also accelerate the aging of the adhesive on the defibrillator electrodes, reducing their effectiveness and leading to more frequent, costly replacements.

The AED Climate BOX is more than just a storage cabinet – it's a protective device that ensures optimal conditions for the safe, 24-hour storage and monitoring of most defibrillators available on the market.

By incorporating advanced design solutions, it effectively addresses the limitations of standard cabinets, safeguarding defibrillators from environmental factors that can compromise their performance.



## Online Adjustable Cooling for Your AED

The AED Climate BOX comes with two high-performance fans, each with a capacity of 60 m<sup>3</sup>/h.

Cool air is pulled in from the bottom, while hot air is pushed out through the top, keeping your AED in perfect condition. If the temperature gets too high, the built-in electronic module kicks in, adjusting the ventilation to maintain the ideal setting.

You can even customize when the ventilation starts and stops using AED Connect online supervising app dedicated to AED Climate BOX. Additionally, there are natural ventilation holes to prevent moisture buildup inside the cabinet.





# AED Climate BOX



ACB-1



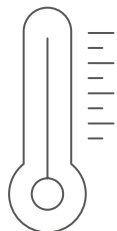
ACB-2

# AED Climate BOX

## Online Adjustable Heating Control for Your AED

The AED Climate BOX is equipped with advanced insulation and a 100 W heating element that ensures the internal temperature stays at +10°C, even when outside temperatures drop to -25°C.

The temperature settings can be adjusted via AED Connect online supervising app, allowing you to maintain the optimal conditions recommended by the AED manufacturer, ensuring your device is always ready for use in any environment.



## Real-Time Monitoring for AED Status and Battery Health

The AED Climate BOX offers a unique solution for monitoring the status of your defibrillator and its battery. Equipped with a built-in microphone or photo sensor\*\*, the control module listens to the signals emitted by the AED and interprets them according to the manufacturer's error codes.

When connected to the optional AED Connect online cloud app, you'll receive notifications of any errors or issues, allowing for immediate action to resolve the problem.

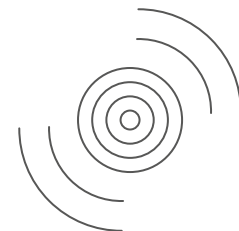
The signal monitoring module currently supports the most popular AED models, and the database is continuously expanding to include more devices.



## Visual Monitoring with AED Climate BOX

The AED Climate BOX features an RGB diode that provides immediate visual feedback on the cabinet's status by changing colors. It alerts users to any issues or malfunctions with key control elements such as the heating element, power supply, WiFi or GSM connection, battery, or ventilation system. This allows for quick, at-a-glance information without the need for manual checks.

Additionally, all status updates are sent to AED Connect online cloud app, enabling real-time remote monitoring of the AED Climate BOX.



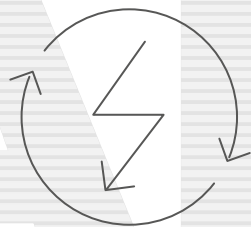


## Self-Recharge Emergency Power Supply

AED Climate BOX cabinets, equipped with an electronic module, feature an emergency power supply that ensures basic alarm functions remain active, such as alerts for door openings or the removal of the AED.

Even during a power outage, the cabinet stays connected to the AED Connect cloud, ensuring continuous monitoring.

Once the main power is restored, the batteries automatically recharge, keeping the system fully operational at all times.



## Flexible Connectivity with WiFi and GSM Options

The AED Climate BOX, in addition to its standard WiFi connection, can be equipped with a GSM module for enhanced flexibility. This ensures access to the AED Connect cloud even in locations where local WiFi is unavailable.

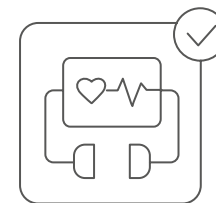
Additionally, the GSM module allows the creation of a personal hotspot, enabling AED devices that require their own cloud connection to access the internet via WiFi. This ensures that, regardless of location, you always have reliable access to both the internet and critical data.



## Reliable Defibrillator Presence Detection

The AED Climate BOX is equipped with a defibrillator presence sensor to prevent false alarms. Simply opening the cabinet door and triggering an acoustic alarm doesn't always indicate the AED has been taken out for use.

The presence sensor ensures accurate information, notifying you whether the defibrillator has been removed from the cabinet or remains securely in place. This adds an extra layer of reliability to the monitoring system.

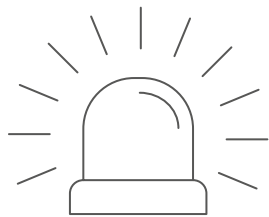


# AED Climate BOX

## Vandalism Detection for Enhanced Security

While it's challenging to create a cabinet that is completely vandal-proof, the AED Climate BOX includes a built-in accelerometer to detect any tampering or attempted destruction. If such activity is detected, the system triggers an acoustic alarm and sends an alert to AED Connect.

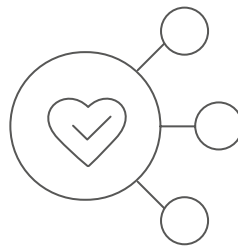
This immediate response draws attention, helping to deter vandalism and prevent further damage.



## Seamless Integration with External Alarms

The AED Climate BOX electronic module features two external outputs, allowing you to connect additional acoustic and visual alarms or directly integrate with the building's central alarm system.

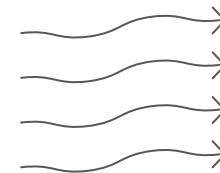
This ensures that any issues or unauthorized access are promptly signaled both within the cabinet and across your broader security network.



## Optimal Climate Control for Outdoor Installation

The AED Climate BOX is equipped with specially designed and tested ventilation ducts that maintain the ideal climate for defibrillators. These ducts ensure a continuous flow of fresh air through the cabinet, allowing it to be installed outdoors, even in direct sunlight.

The AED Climate BOX can operate efficiently in temperatures of up to 45°C, providing reliable protection for your defibrillator in various weather conditions.





## AED Connect – Cloud App for AED Supervising

AED Connect is a cloud-based application accessible via web browser, designed to collect and manage data from AED Climate BOXes equipped with electronic modules. It serves as a powerful management and control tool for companies responsible for defibrillator servicing and supervision. For AED Climate BOX owners, AED Connect provides real-time access to status updates and alarm notifications, which can be viewed online. Additionally, users can receive notifications about the status of their devices via email and SMS, ensuring immediate awareness and response to any potential issues.



### User Easy Management and Monitoring



AED Connect lets users manage and monitor all their AED Climate BOXes online. The application provides an overview of alarms, failures, and maintenance needs, with the option to designate contacts for immediate notifications. It also includes a map to visualize cabinet locations and a customizable dashboard for displaying essential information. As the number of cabinets increases, AED Connect serves as a centralized hub for efficient management.

# IoT Connected





# AED Climate BOX

Equipment / feature	Model						
	ACB-1 ACB-2	ACB-1-E ACB-2-E	ACB-1-EH ACB-2-EH	ACB-1-EHV ACB-2-EHV	ACB-1-EHV-GSM ACB-2-EHV-GSM	ACB-1-HV ACB-2-HV	ACB-1-H ACB-2-H
Online IoT monitoring and adjustment	—	✓	✓	✓	✓	—	—
Outdoor installation	—	—	shadow place only	sunny either shadow place	sunny either shadow place	sunny either shadow place	shadow place only
Indoor installation	✓	✓	✓	✓	✓	✓	✓
WiFi module	—	✓	✓	✓	✓	—	—
GSM module	—	○	○	○	✓	—	—
Hotspot from on board GSM availability	—	○	○	○	✓	—	—
Mechanical ventilation	—	—	—	✓	✓	✓	—
Heating	—	—	✓	✓	✓	✓	✓
Insulated cabinet body	—	—	✓	✓	✓	✓	✓
USB power socket	—	✓	✓	✓	✓	—	—
Interior LED lighting	—	✓	✓	✓	✓	✓	—
External lighting output	—	✓	✓	✓	✓	—	—
Digital outputs (2 pcs)	—	✓	✓	✓	✓	—	—
Shock sensor	—	✓	✓	✓	✓	—	—
AED missing sensor	—	✓	✓	✓	✓	—	—
Open door alarm	✓	✓	✓	✓	✓	✓	✓
Gravitational ventilation	✓	✓	✓	✓	✓	✓	✓
Tinted door glass with a UV filter	✓	✓	✓	✓	✓	✓	✓
Transparent door glass	○	—	—	—	—	—	—
AED monitoring photo sensor	—	✓**	✓**	✓**	✓**	—	—
AED monitoring microphone sensor	—	✓*	✓*	✓*	✓*	—	—
Capture camera	—	✓**	✓**	✓**	✓**	—	—
Cabinet material	zinc coated steel	zinc coated steel	stainless steel	stainless steel	stainless steel	stainless steel	stainless steel
Power supply 24V	✓	✓	✓	✓	✓	✓	✓

\* depend from AED model; \*\*availability from 2025

— not available; ○ option; ✓ standard

## Key Features of AED Climate BOX



**24/7 Protection** Ensures defibrillators are operational at all times, protecting against extreme temperatures.



**Advanced Ventilation** Two high-performance fans regulate airflow to maintain optimal conditions, with customizable settings via AED Connect.



**Smart Heating Control** Equipped with a 100 W heating element to maintain +10°C inside, even in -25°C, with temperature adjustments via AED Connect.



**Real-Time Monitoring** Monitors AED status and battery health with built-in sensors, alerting users to any issues via the AED Connect cloud app.



**Visual Feedback** An RGB diode provides immediate status updates by changing colors, highlighting any malfunctions.



**Emergency Power Supply** Includes backup power to keep alarms active and connected to AED Connect, even during power outages.



**WiFi & GSM Connectivity** Offers flexible internet access options, including creating a personal hotspot for AED devices.



**Defibrillator Presence Detection** Prevents false alarms by notifying users if the AED has been removed from the cabinet.



**Vandalism Detection** Built-in accelerometer triggers alarms and sends alerts to AED Connect if tampering is detected.



**External Alarm Integration** Two external outputs allow connection to building alarm systems for enhanced security.



**Outdoor Read** Designed for outdoor installation, maintaining optimal conditions in temperatures from -25°C up to 45°C.



**AED Connect Cloud** A cloud-based app for real-time monitoring, status updates, and customizable management dashboards.



**Service Management** Service technicians can track cabinet statuses, manage multiple units, and log repair history through AED Connect.



**Subscription-Based Access** Requires an active subscription and includes global coverage via WiFi or GSM for seamless device management.





# AED Climate BOX

**GRAS PPPH**

ul. Sławieńska 12, 77-231 Korzybie  
POLAND

Tel. +48 59 857 73 03 · Fax +48 59 858 63 04

Email: [info@aedcb.com](mailto:info@aedcb.com)

[www.aedcb.com](http://www.aedcb.com)