



AEDConnect
Cloud app for AED supervising

AED Climate BOX - outdoor cabinet for defibrillator (AED / DAE)

First climatic cabinet for defibrillators for outdoor use in unshaded areas. Insulation and heating element ensuring a constant interior temperature in winter, while in the summer highly efficient mechanical ventilation ensures a constant interior temperature below 45 ° C in sunny places, ensuring the efficiency of the AED device operation.

Cabinet with communication module WiFi / GSM and access to AED Connect online app for supervising.

Cabinet body:

- stainless steel cabinet body (optional galvanized steel),
- **painted with structural UV resistant paint**,
- RAL 6018 color,
- **door with tinted plexiglass window with UV filter**,
- hinges on the right side,
- **gravity ventilation ducts against condensation**,
- **security seal holes in the door and cabinet body**,
- IP44.

Mechanical ventilation:

- mechanical ventilation 60m³/h
- two fans 24V/17W
- ventilation ducts,
- **protection against solar overheating** - maintaining the interior temperature below 45°C, in full sun and outside air temperature up to 35°C,
- ventilation operation settings in configuration APP or online in AED Connect

Heating and insulation:

- insulated body with material with thermal conductivity $\lambda_0 [W / (m \cdot K)] \leq 0.033$,
- **frost protection (down to -25°C)**,
- 100W/24V heating element with overheating protection,
- heating operation settings in configuration APP or online in AED Connect.

Emergency power supply

- in case of main power supply failure, battery emergency power supply starts working for a basic alarms and communication with online AED Connect online app,
- under battery operating, ventilation and heating doesn't work,
- automatic battery charging from main power supply.

Acoustic alarms and LED light

Optic sensor:

- acoustic alarm after opening the door,
- flashing interior LED light.

Missing AED / DAE alarm:

- adjustable optic sensor - operation settings in configuration APP,
- missing AED / DAE device acoustic alarm.

Shock detector:

- impact alarm (if an attempt at devastation is detected) - detection by accelerometer,
- operation settings in configuration APP.

Status LED on the door

- RGB LED which changing the colors, informs about the current operation of the cabinet,
- shows any damage or failure of control elements such as: heating element, power supply, WiFi or GSM, battery, ventilation, etc.

Interior LED light:

- two LED lights operating non stop,
- flashing according to alarm scenario.

USB power supply

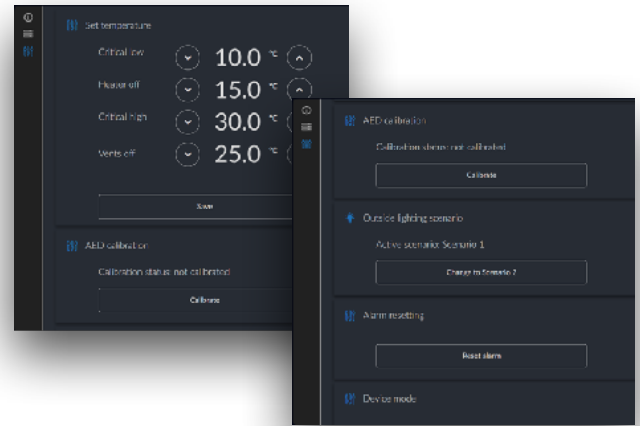
- USB A socket for other devices power supply installed in the cabinet, e.g. AED with own communication modules, GPS thief modules, etc.,
- the maximum power of the socket is 5V/ 3A.

Installation:

- **outside or inside installation**,
- **no shade required**,
- **no protection roof required**.

On board configuration APP:

- direct WiFi connection to AED Climate BOX settings - no internet connection required,
- heating operation settings,
- ventilation operation settings,
- AED / DAE missing optic sensor settings,
- accelerometer (devastation detection) operation settings,
- GSM and WiFi operation settings,
- service switch mode - under service mode, AED Climate Box doesn't send any alarms do AED Connect,
- alarms reset,
- working on all well known web browsers.



WiFi module

- on board WiFi 2,4GHz and 5GHz as a standard,
- allows connect to configuration APP or connect to local WiFi hotspot for AED Connect operation,
- allows you to create your own hotspot for AED / DAE equipped with their own connection module

AED Climate BOX self testing

In order to support maintaining and daily control of any failure, unit has self testing program which allows:

- detect damage of heating unit,
- detect damage of fan units,
- lack of WiFi or GSM signal.

All informations about any failure are send to AED Connect or are mentioned by *Status LED* on the door.

GSM module

- allows connect to GSM internet,
- allows you to create your own hotspot for AED / DAE equipped with their own connection module.

Ingress Protection - IP class

AED Climate BOX has the appropriate IP protection level to ensure appropriate climatic conditions of defibrillators. AED Climate BOX was created to prevent condensation, too high or low temperatures and is resistant to precipitation. Too high an IP protection level may cause inappropriate conditions for storing the defibrillator outdoors, which may consequently lead to its damage.



It is a cloud-based application accessible through a web browser, used to collect and manage information and the AED Climate BOXes equipped with the electronic module. It is an advanced management and control tool for companies involved in defibrillator maintenance and supervision. AED Connect is also a tool for the owner of AED ClimateBOX, which **allows to view the AED / DAE status and any alarms online.**

For maintenance management

The service technician's account is the management center of the AED Climate BOX. Application allows you to see all signals upcoming from AED Climate BOX (all alarms, equipment failure, etc.) and **defibrillators units state** (low battery, failure, etc.). All alarms and notifications can be send by **e-mails or by SMS**. Also you can create distributor account and service accounts, which allows to manage defibrillators daily and make **online reports** instead to send service man, to a place where AED / DAE is installed. Additionally you can **change temperate of the heating and ventilating in the cabinet remotely, from your computer.**

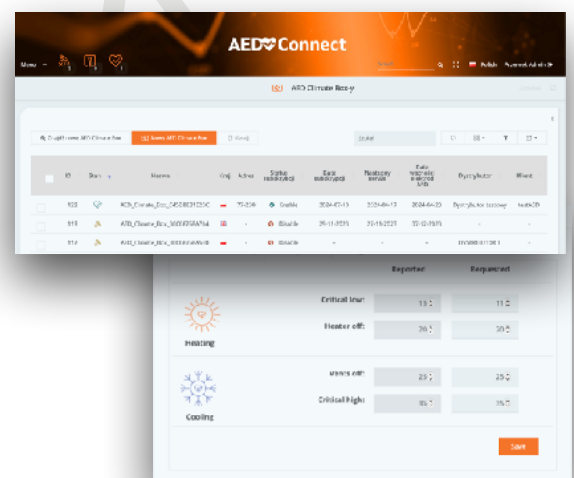
AED / DAE online monitoring

- AED Climate BOX control module is equipped with a **microphone** that listens, to the signals emitted by the defibrillator **or photosensor**, to recognize blinking led AED/DAE status,
- allows to monitor the status of the defibrillator and its battery,
- recognized signals are send to AED Connect to supervisor attention and daily reports.

**AED Climate BOX monitoring supports most well known AED / DAE units, in some cases additional programming is needed.*

Subscription

The condition for access and operation of AED Connect is a purchased subscription and possession of an AED Climate BOX model with electronic module with internet access via WiFi or GSM. The subscription and the application work regardless of country or place of installation and include the cost of the GSM mobile network subscription.



For more information, see separate technical data sheet of AED Connect or visit www.aedcb.com.

Model ACB-2-EHV-GSM technical data

Notifications

	Notifications	
	Door Status LED	AED Connect <small>Cloud app for AED supervising</small>
Access to AED Connect	-	•
Main power failure notification	•	•
Low battery notification	•	•
Door opening acoustic alarm	•	•
Missing AED / DAE acoustic alarm	•	•
Shock alarm notification	•	•
Heating turned ON notification	•	•
Heater failure notification	•	•
Ventilation turned ON notification	•	•
Ventilation failure notification	•	•
Internal temperature information	-	•
Interior humidity information	-	•
GSM connection lost notification	•	-
WiFi connection lost notification	•	-
Heating/ventilation temp. online adjustment	-	•
AED Connect online reports	-	•
<i>* In configuration app only</i>		

AED Connect - access to AED Connect require valid subscription
Cloud app for AED supervising

Features

	Equipment / feature
Outdoor installation in full sun	•
Outdoor installation in the shade	•
WiFi module	•
GSM module	•
Hot Spot by GSM availability	•
External antenna	•
Mechanical ventilation	•
Heating element	•
Insulated cabinet body	•
USB power socket	•
Interior LED lighting	•
Possibility to connect external lighting	•
Digital outputs (2 pcs)	•
Accelerometer	•
AED missing sensor	•
Gravitational ventilation	•
Door glass with a UV filter	•
AED monitoring photo sensor	•*
AED monitoring microphone sensor	•*
Capture camera	•**
<i>* on request; depend from AED / DAE model, **availability from 2025</i>	

Electrical properties	
Power supply	24VDC/6,5A
Power supply cable	2 meters
Electrical consumption (without heating and ventilation)	20 Watt
Heather electrical consumption	100W/24V
Ventilation electrical consumption	0,7A
Ventilation efficiency	60m³/h
Alarm sound level (distance 1m)	72dB
Mechanical properties	
Material	Stainless steel1,0 mm
Operating temperatures	-25°C / 60°C
Insulation	$\lambda 0 [W / (m \cdot K)] \leq 0.033$
Frost protection	-25°C
IP class	IP44
Installation	Outdoor and indoor

Overall dimensions	440x380x215
Space for AED / DAE with handle	330x320x170
Weight	8,1 kg

