AED Climate BOX

Advanced cabinets for AED

Installation Manual

MODELS:

ACB-2-EH

V. 1.0

1. Introduction

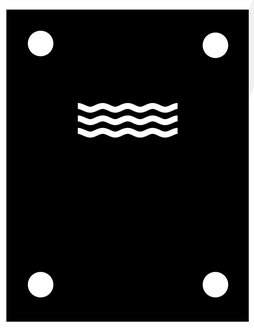
The AED Climate Box is an innovative device specifically designed to protect and maintain AED defibrillators in optimal conditions, ensuring they are ready for use 24 hours a day. Due to the crucial role defibrillators play in saving lives, their functionality and availability under all conditions are absolutely critical. Unfortunately, improper storage conditions, such as extreme temperatures, can seriously damage the devices or even completely immobilize them, often only discovered at the moment when their use is most needed.

The solution to these challenges is the AED Climate Box, which offers advanced security features, including:

- **Wi-Fi and GSM:** Enable remote monitoring and communication with the device,
- **UV Glass:** Protection against the harmful effects of UV radiation,
- **Heating:** Automatically regulates internal temperature to prevent damage caused by extreme cold conditions**Gravity Ventilation:** Ensures constant airflow to maintain proper circulation,
- **AED Presence Sensor:** Intelligently monitors whether the AED is in place and ready for use, ensuring continuous device readiness for immediate action in case of an emergency,
- **Acoustic Alarm:** Alerts users to various scenarios, such as door openings or other events requiring attention,
- **Internal LED Lighting:** Provides visibility inside the unit,
- **Accelerometer:** Detects shocks, which may indicate unauthorized movement of the device,
- **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.

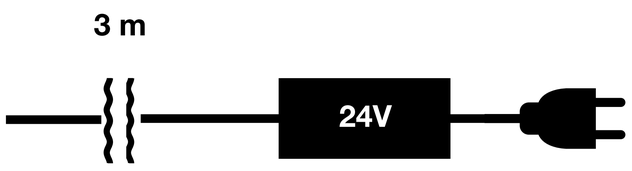
2. Package Contents

- AED Climate Box Device
- Power Supply
- Drilling Template
- User Manual

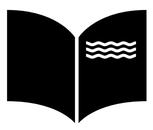


Drilling Template

AED Climate Box Device

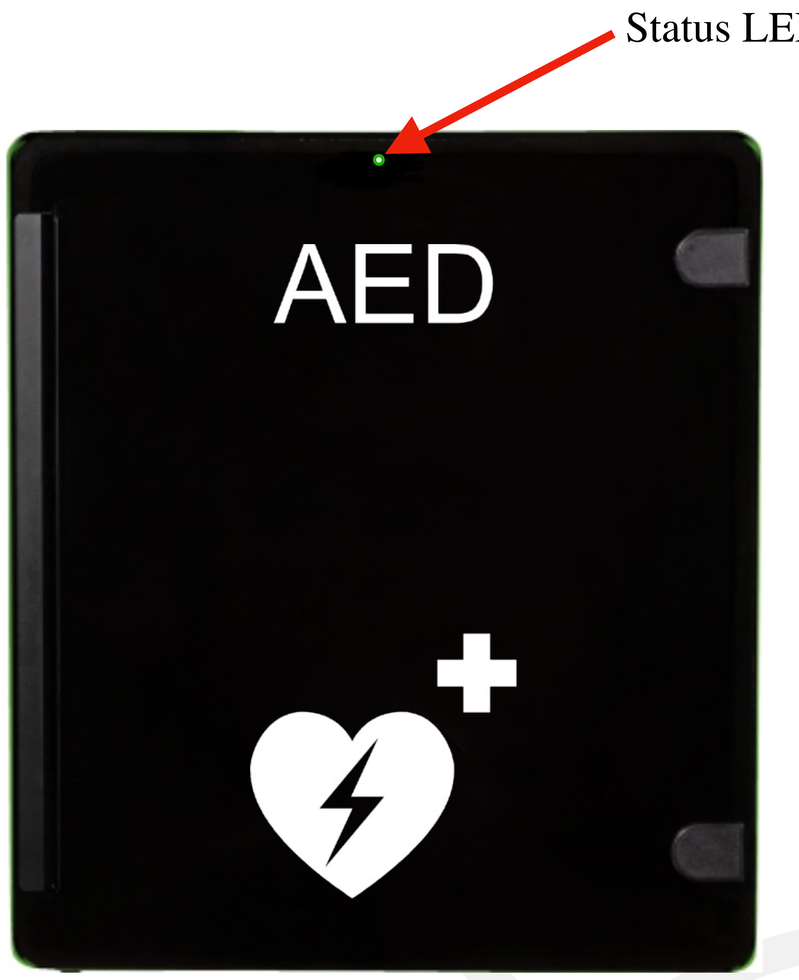


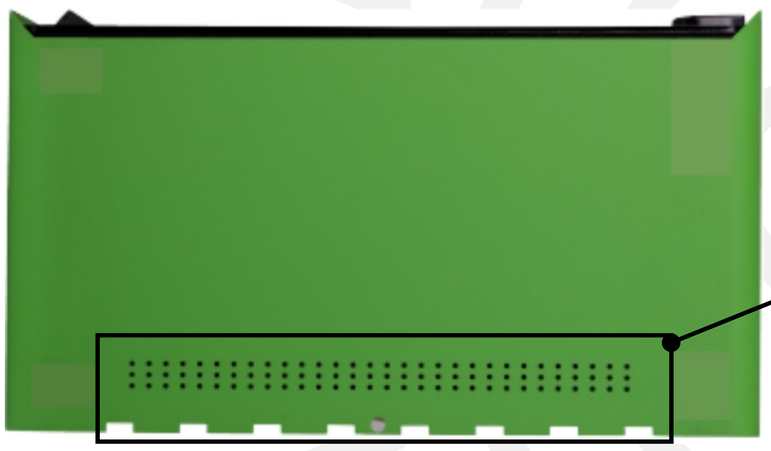
Transformer unit 24V
with 3 meters cable



Quick start
user manual

3. AED Climate BOX body



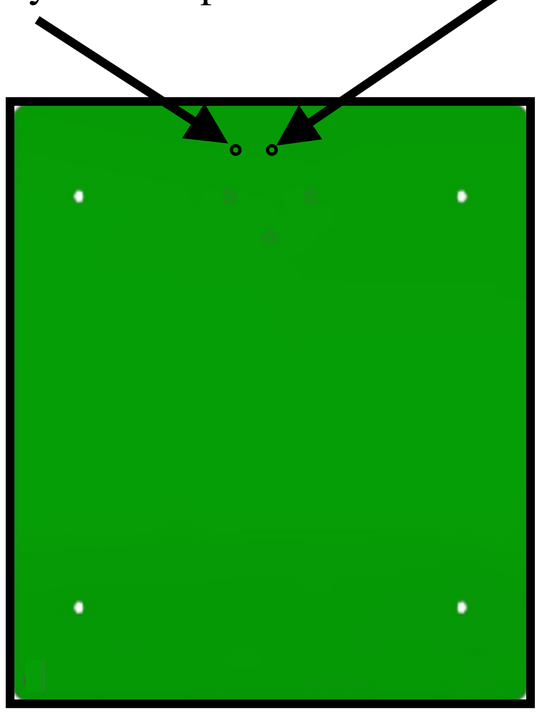


WARNING!
Gravity ventilation inlets and outlets. Do not cover!

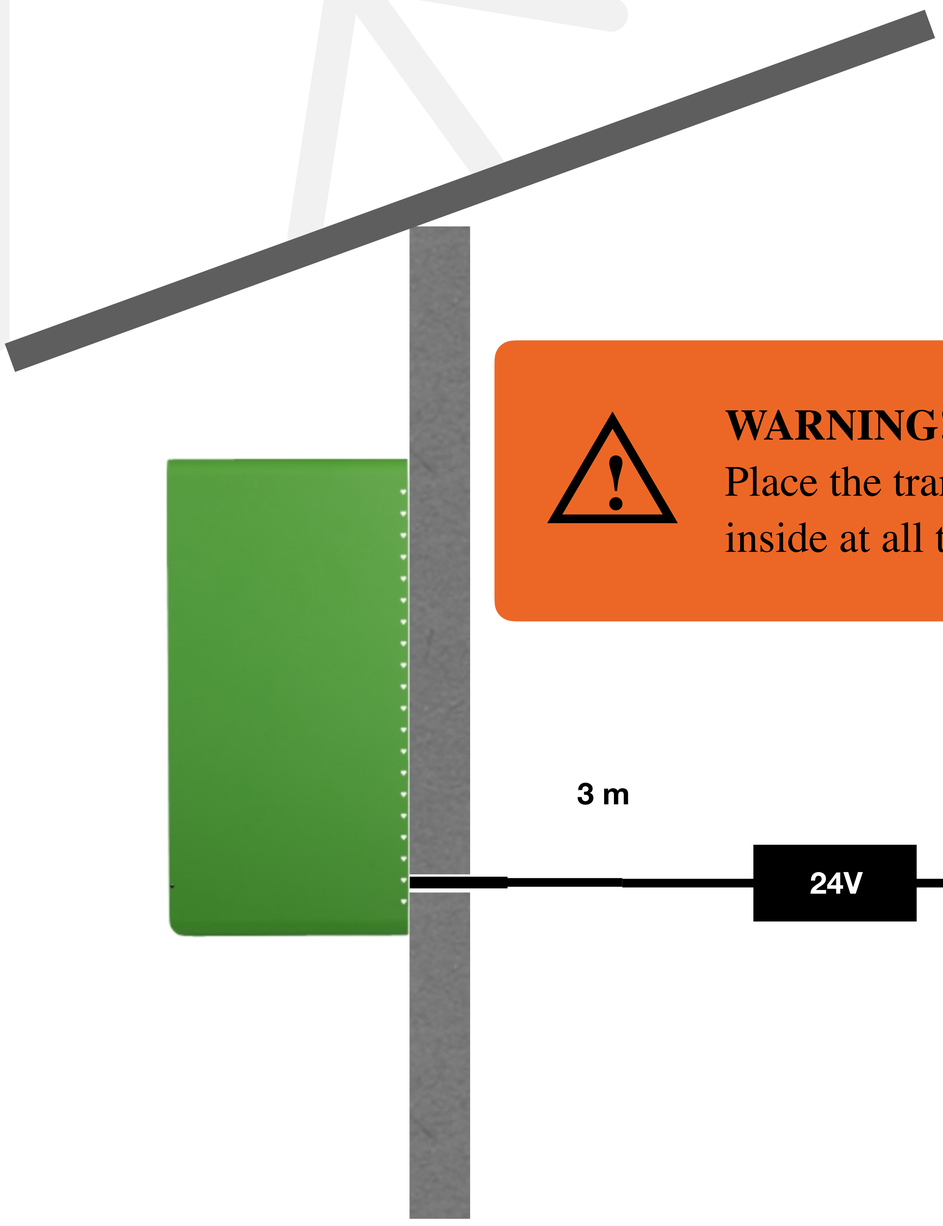
4. Wall installation

Drill holes in the wall using drilling template.

External lighting wire outlet in cabinet body back - option



Transformer wire outlet in cabinet body back

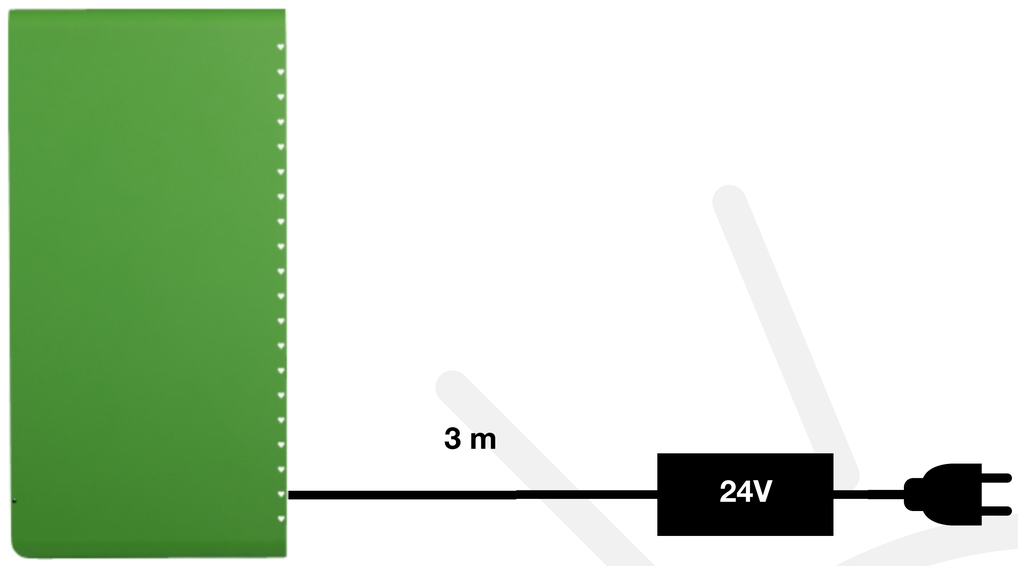


WARNING!
Place the transformer inside at all times

5. Power supply

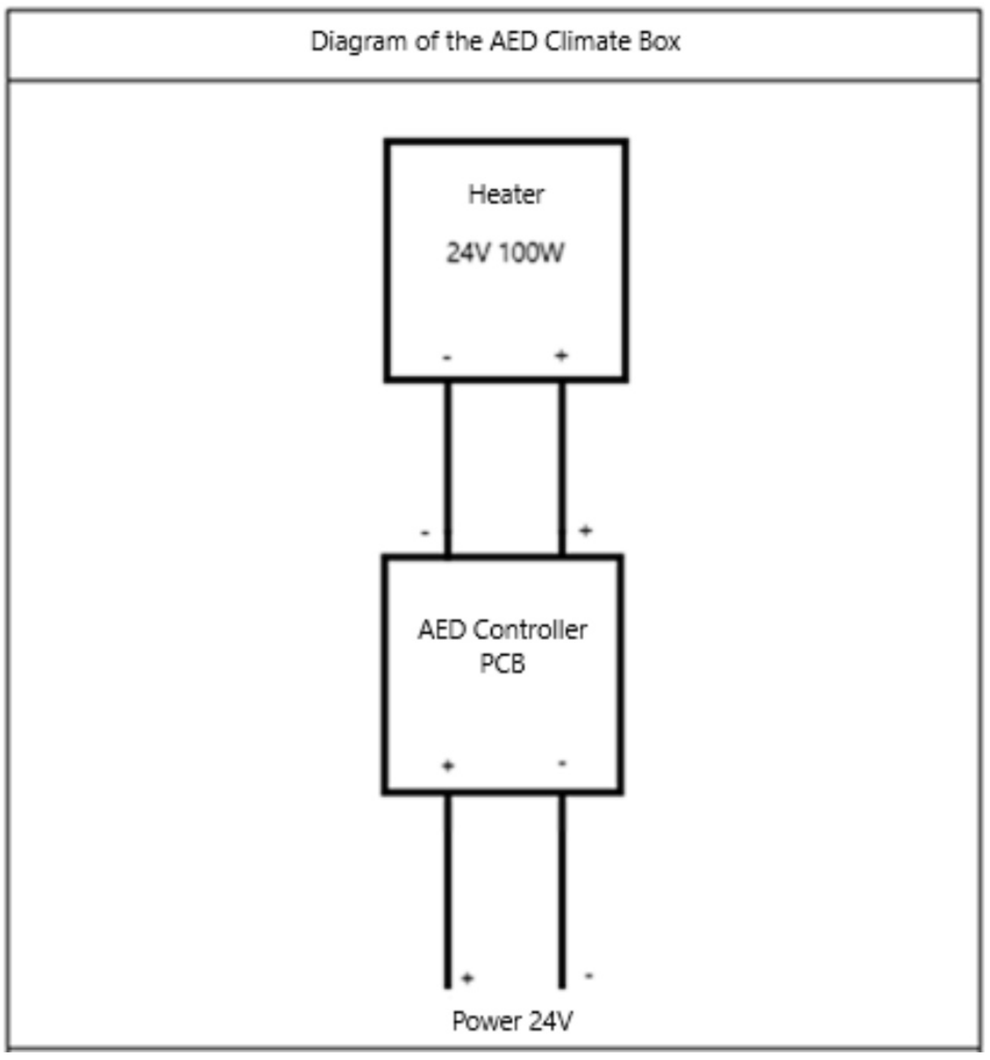
Transformer is not water proof, keep it always inside the building or in hermetic outside box.

Connect transformer plug to 230V socket



6. Connecting the device

Electrical diagram



- The power adapter is included with the device and should be connected by a qualified electrician.
- The 3-meter power cable can be extended as needed; however, any modifications to the electrical installation should be carried out by a certified electrician.
- The power adapter must be placed in a separate weather-resistant electrical box or inside a building.

7. Placing the AED in the Cabinet

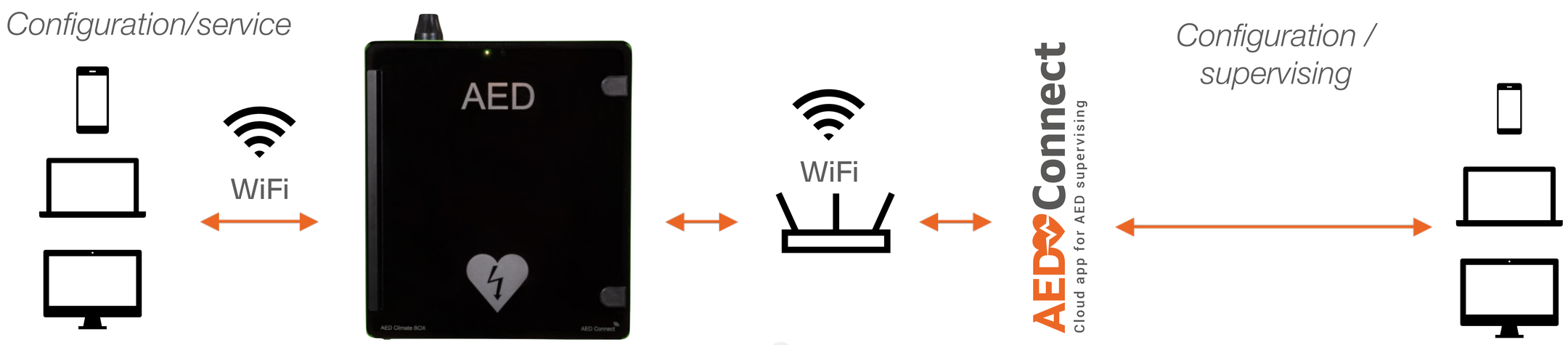
Hang the AED device in the cabinet on a hanger installed in the upper part of the cabinet.

WARNING!
At the bottom of the cabinet is a hot heather. Placing the defibrillator at the bottom of the cabinet is prohibited because it may damage the defibrillator.

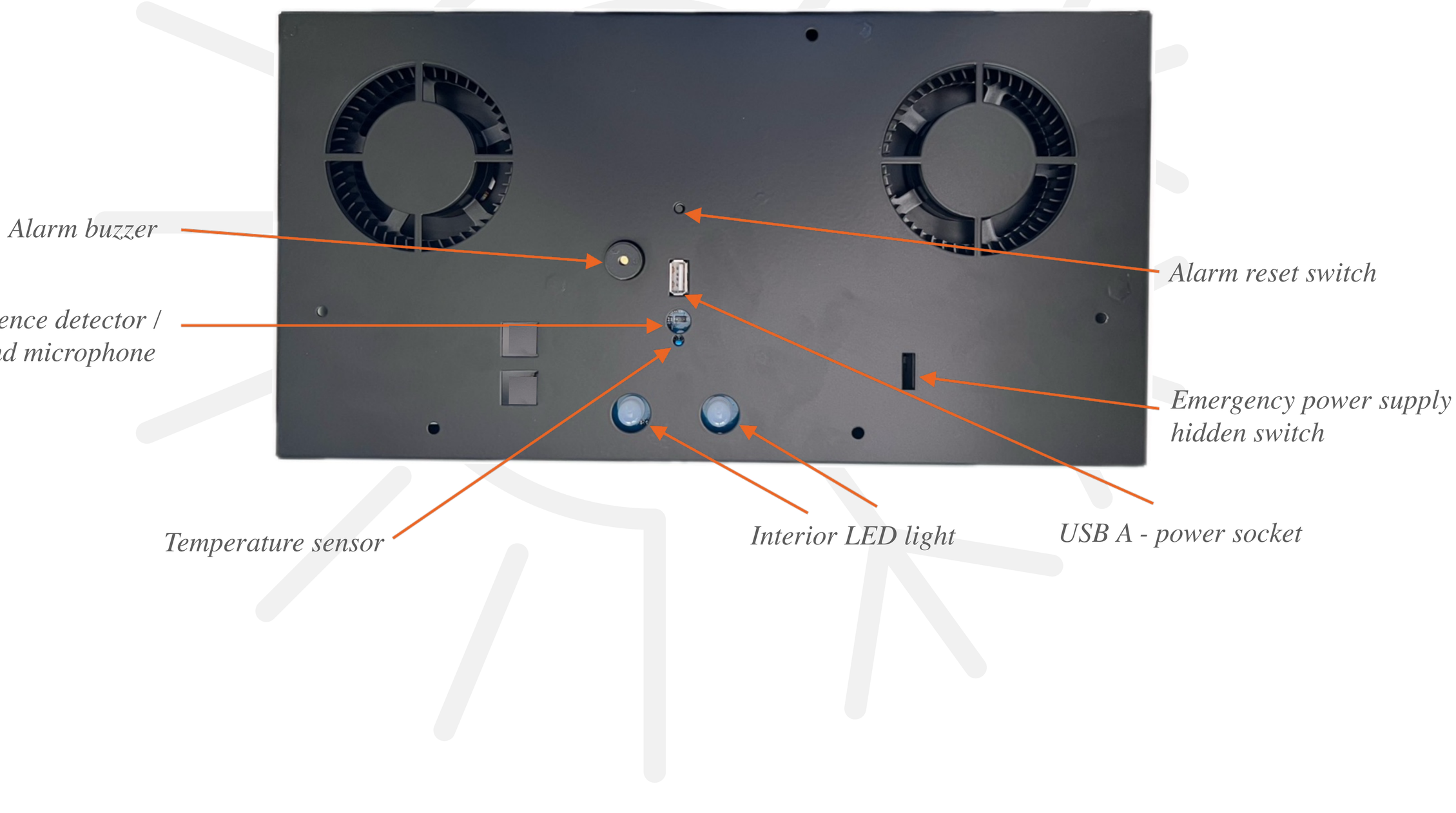
8. Initial setup

- After connecting the power supply, the device will start up in initial setup mode. This mode is characterized by the absence of any checks (no temperature or humidity measurements, no defibrillator presence check, etc.) and active an open Wi-Fi network for further device configuration.
- The active WiFi network name is unique for each device and looks as follows: AED_ Climate_Box_XXXXXX, where XXXXXX is replaced by a unique fragment of the device identifier.
- The first startup mode is indicated by a brief activation of the speaker, pulsating internal LED lights, and alternating pulsation of the status LED in red, green, and blue colors.
- To configure the device, connect your phone/tablet/ computer, to the Wi-Fi network broadcasted by the device (for example: AED_Climate_Box_E0E664), and then open any web browser (Chrome browser recommended) and enter the IP address in the address bar: 192.168.4.1, then press Enter to proceed. It may happen that the page does not load because the browser automatically tries to connect using encryption. To correctly load the configuration page, you need to replace „https” with „http” in the address bar and press Enter again.
- Detailed configuration of the AED Climate Box parameters is available after logging in to "AED Connect".

9. Connection



10. Main condition panel



11. Technical Specifications

Model	ACB-2-EH	
Notifications		
	LED Status	AED Connect
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 notification	-	●
Interior humidity information	-	●
GSM connection lost notification	-	-
WIFI connection lost notification	●	-
Heating temp. online adjustment	-	●
AED Connect online reports	-	●

Model	ACB-2-EH
Equipment/feature	
Outdoor installation in full sun light	-
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 UV filter	●
AED monitoring photo sensor	●*
AED monitoring microphone sensor	●*
Capture camera	●**
Emergency power supply	●

**On request; depend from AED/DAE model, **availability from 2025*

12. Technical data

Model	ACB-2-EH
Electrical properties	
Power supply (included)	24VDC/6,5A
Power supply cable	3 meters
Electrical consumption (without heating and ventilation)	20 W
Heater electrical consumption	100 W
Alarm sound level (distance 1m)	72dB
Mechanical properties	
Material*	Stainless steel 1,0 mm
Standard color**	Green RAL 6018
Operating temperatures	-25°C / 50°C
Insulation	λ0 [W / (m · K)] ≤ 0.033
Frost protection	-25°C
IP class	44
Installation	Outdoor and indoor
Overall dimensions	440x380x215 mm
Space for AED / DAE	280x280x170 mm
Weight	8 kg
Compliance	
EN 12944 level of corrosion	C3
EN 55035	●

**stainless steel recommended nearby shores in salty environments, **other colors on request*

AED Climate BOX

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