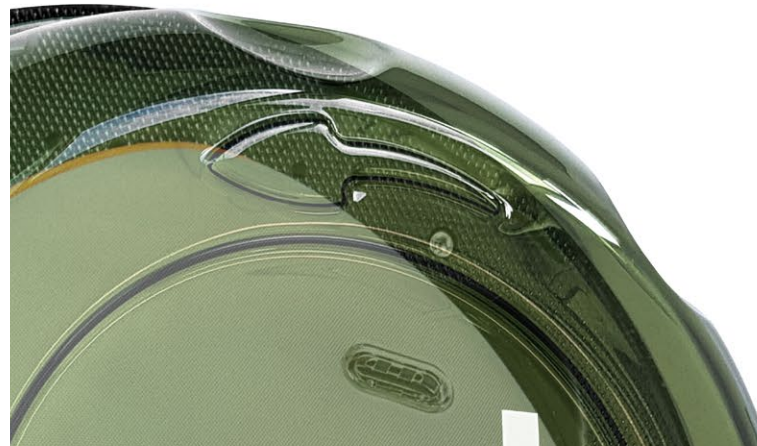# SOLID PLUS HEAT

ROTAID™
A E D   C A B I N E T S

ROTAID SOLID PLUS HEAT
PRODUCT SHEET

The Rotaid Solid Plus Heat is a highly robust and durable AED wall cabinet that ensures a recognizable, solid and sustainable storage of your AED device in any environment. The characteristic round shape and design make it easy to be found and just a quick twist is needed to gain full access to the AED. The cover comes with AED logos and directive arrows to leave no room for interpretation.

The cabinet can be opened in just a few seconds by an intuitive twist that removes the whole cover. The responder has full access to the AED that hangs via adjustable brackets for a quick and easy grab. The cover is attached to the back plate via a belt and needs no further attention after opening. A stainless steel hook, attached to the bottom of the cabinet, can hold a seal, tag or other appliance.

The cover, equipped with recesses for an optimal grip and directive arrows, is made from 100% Polycarbonate. With a thickness of 5 millimetres it offers a solid protection and ensures a high grade of water- and dust resistance. The cover is fitted with UV filters to ensure long lasting transparency. Appearance decay, rust and accumulation of residue are excluded.

The tailor made heating system ensures that the AED remains within its operational temperature range during frost. 8 LED lights make sure the cabinet can be found quickly in the dark. The whole system operates fully automatic and comes with an easy installation.

All the materials are tested in the outdoors and provide a long lasting protection of both AED and cabinet. The cabinet is protected by an audible alarm system.
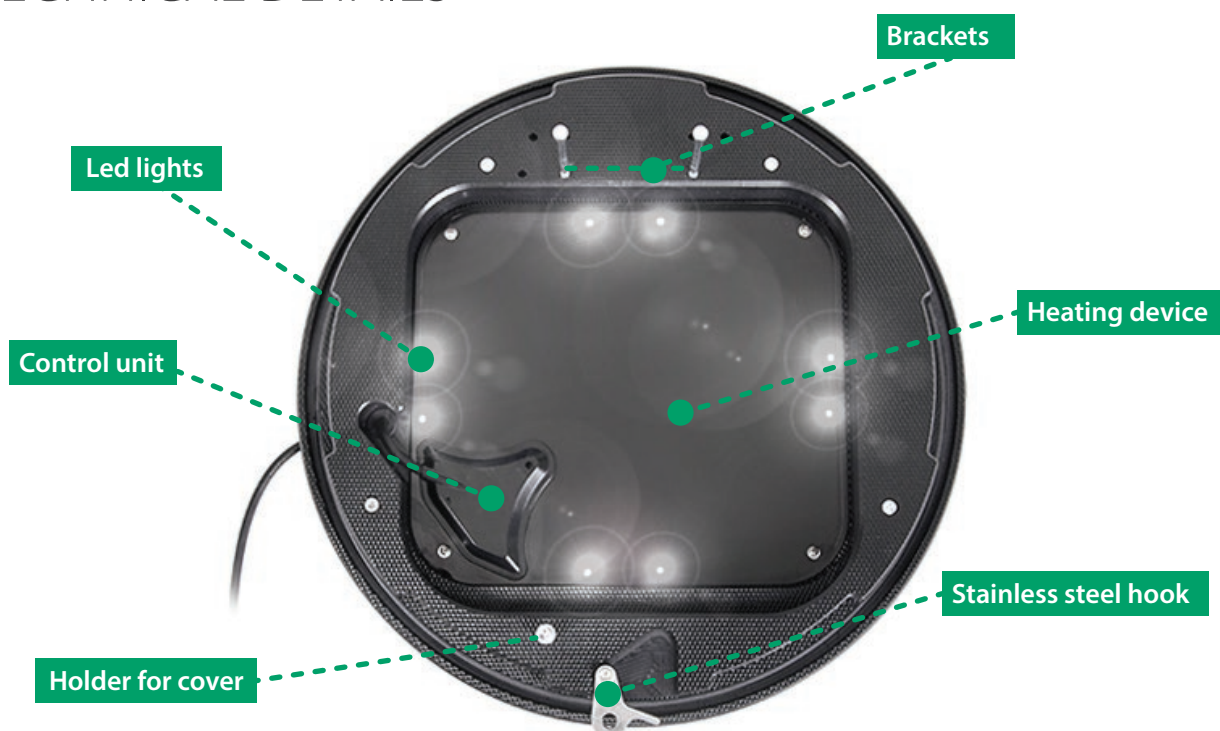
OPERATIONAL AT TEMPERATURES AS LOW AS
-20°C

LOW POWER CONSUMPTION

FULLY AUTOMATIC OPERATION

LED LIGHTING

ROTAID SOLID PLUS HEAT
TECHNICAL DETAILS

Brackets

Led lights

Control unit

Heating device

Holder for cover

Stainless steel hook

CardiAid
Public Access Defibrillator

CardiAid®
Public Access Defibrillator

Dimensions	Length **48 cm**	Width **48 cm**	Depth **18 cm**	Weight **6,7 kg**
	Length **18,9"**	Width **18,9"**	Depth **7,1"**	Weight **14,7 lbs**

Packed individually by box, fastening materials included.

www.rotaid.com

ROTAID SOLID PLUS HEAT
SPEC SHEET

ROTAID™
AED CABINETS

APPLICATION: For outdoor usage.

DIMENSIONS		
	Lenght **48 cm / 18,90"**	Width **48 cm / 18,90"**
	Depth **18 cm / 7,1"**	Weight **6,7 kg /14,77 lb**

BACKPLATE

100% recycled HDPE (high-density polyethylene), 3 individual plates, fringe pattern finish.

Rubber gasket ensures protection for dust and water.

Pre-drilled mounting holes on top of back plate to house 2 DIN 912 8.8 EV M6x80 bolts (included) for optimal placement of the defibrillator.912 8.8 EV M 6 x 80).

Solid steel hook on the bottom to install tamper seal, instructions or other accessories.

4 recessed mounting positions for firm fixation. 4 DIN 7981 A2 5,5 x 60mm screws and 4 DIN 9021 A2 M6x18x1,6 mm rings are included for installation on all walls.es.

COVER

100% recycled Polycarbonate, 5 mm thick, fully transparent, fitted with UV filters for long-lasting transparency and UV blocking.

A nylon belt is attached to the cover and connected to the back plate. The nylon belt is 15,75 inches long and 2 inches thick and is fitted with brass rings.

4 directive arrows provide guidance for opening the device.

6 indents provide grip for quick and solid opening.

ALARM SYSTEM

Adjustable loudness settings: 84 dBa and 98 dBa *

Pre-installed ABS housing

Powered by 2 AA batteries.

Alarm is triggered by coin sized, low power magnet, mounted in cover.

Alarm can be paused by a red button.

* Measured at 1 meter from speaker

PACKAGING

Box, FEFCO 0201, that meets FSC requirements.

Box size 50 x 50 x 25 centimeters / 19,7 x 19,7 x 9,8 inches.

One cabinet per box.

ROTAID SOLID PLUS HEAT
PTC AED CABINET HEATER

The ROTAID - PTC AED cabinet heater is a self-limiting, heater with a build in controller based on 24V using a 230/110Volt transformer for safe usage and easy connection.
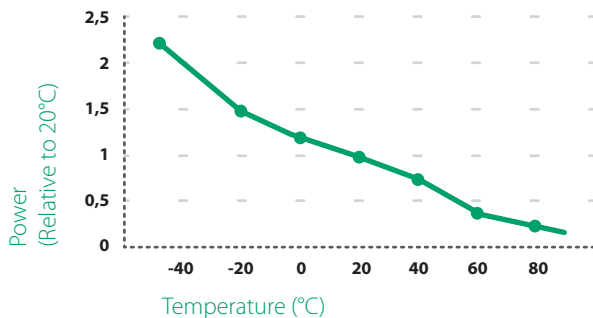
This heater is based on a robust heater technology with a proven track record from many years in automotive applications.

The heating circuit is not only relying on one continuous circuit. The heater consists of several hundred parallel PTC paste heating elements that ensure long lasting performance even if the circuits are locally damaged for some reason.

POSITIVE TEMPERATURE CONTROL

PTC (Positive Temperature Control) refers to the characteristic of the unique PTC paste used to generate the heat in the ROTAID – PTC AED cabinet heater. The resistance in the heat generating paste will increase with temperature to such an extent that it is limiting the power efficiently above 30 °C. This means that the heater will give more power when needed at low temperatures and less power as the temperature increases.

This feature of the PTC paste adds an extra safety to the product that eliminates the risk of overheating. It still requires a temperature controller to give the needed heat and temperature into the AED cabinet. The nature of the PTC heating elements will give the heater slightly different characteristics than a conventional fixed wattage heater. The start power will be higher but will fall quite quickly to some point along the power curve. The final value depends on the surface temperature as well as the temperature measured in the control unit that is directly placed on the left bottom corner of the heating element. This controller regulates the power supply by switching on and off depending on its measurement. For easy installation the heater is equipped with an adhesive backside for easy installation in the AED cabinet. Additional holes are placed for additional fixation of the heating element to the backside of the AED cabinet.

Rotaid AED cabinets
www.rotaid.com

TECHNICAL SPECIFICATIONS

Max. element temp. °C, (°F)	**70 (158)**
Min. element temp. °C, (°F)	**-50 (-58)**
Resistance tolerance	**± 20%**
Rated voltage	**230**
Wattage	**92 @ 20°C surface**
Approvals/standards	**NEMKO-CE** (IEC 60335-1)
Other	**Possible substrates: PET**
Self adhesive backside	**Yes**
Connection wire	**3 meters**
Thermostat controller	**Yes**

THERMOSTATIC CONTROLLER FUNCTION

>10 C°	Off
10-7 C°	Max 50 % on time with increasing power 5% every 10 seconds
7-2 C°	Max 100 % on time with increasing power 5% every 10 seconds
< 2 C°	100 % power on.

TRANSFORMER 24VDC

Power supply	**DC24V - 5000mA**
Input	**AC 100 ~240V 50/60Hz**
Cable length	**1.2 mtr.**
Output	**DC 24 V± 5%**
Max. output current	**5000mA – 120W.**
Connection	**DC -straight connector**
Cable length	**1.8 mtr.**

LIGHT

8 LED - 2 Watt
Heater operational / Constantly light ON
Heater failure / NO light

ROTAID™ Heater
24VDC 65W @20°C Class1 IP44
Produced for ROTAID by
C&F technics Article nr: 380005
CE

TEST PASSED

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