

## INSTALLATION, OPERATION AND WARRANTY GUIDE

Name / Address: Süka Elektroheizgeräte GmbH; Martinstraße 94, 86179 Augsburg

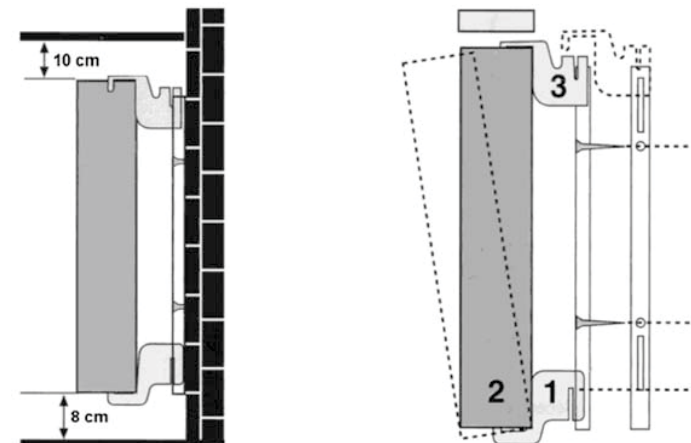
### General product information:

#### Ratings:

Type	Dimensions	Rated Voltage	Rated power
Z 2000 / 500	37 x 62 x 7 cm	230 V	500 W
Z 2000 / 800	67 x 62 x 7 cm	230 V	800 W
Z 2000 / 1000	67 x 62 x 7 cm	230 V	1000 W
Z 2000 / 1200	97 x 62 x 7 cm	230 V	1200 W
Z 2000 / 1500	97 x 62 x 7 cm	230 V	1500 W
Z 2000 / 1600	127 x 62 x 7 cm	230 V	1600 W
Z 2000 / 2000	127 x 62 x 7 cm	230 V	2000 W
Z 2000 / 2000	157 x 62 x 7 cm	230 V	2000 W
Z 2000 / 2500	157 x 62 x 7 cm	230 V	2500 W

The Süka heaters should usually be fitted under the window or at least on the room's outside wall where it's possible. It's important that a minimum of 5cm space to the floor is allowed for.

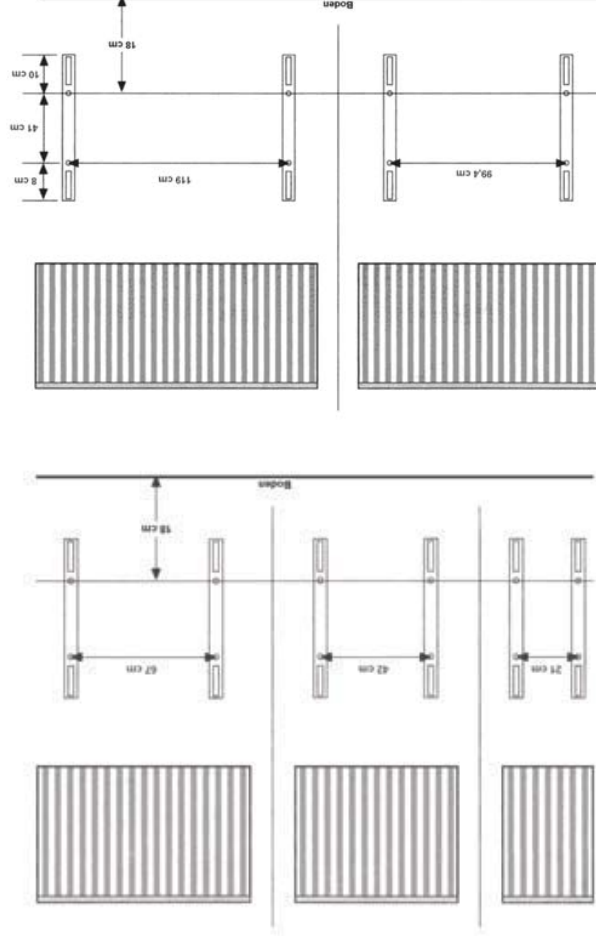
To avoid damages on the radiator, the top cover and the side panels should be placed aside before mounting on the wall.



1. The suspension hook for the bottom is slightly bigger and should be fixed as in diagram on the right hand.
2. Lower suspension hook (1) to be slotted into the U-rail wall bracket
3. Heater (2) is then fitted on it and tilted forwards to allow for the upper suspension hook as in (3).
4. Upper suspension hook is slotted into the holes on wall rails and held slightly higher (see 3).
5. Heater is then straightened parallel to the wall and the hook allowed to set in (see 2).
6. Place heater lid back and close it by pressing slightly.

The electricity connection is on the panel with the manufacturer's label. Take this out by unscrewing the top screw slightly to loosen up. Connection to electricity power requires a heat resistant cable as follows:  
 (1.5mm<sup>2</sup> diameter for smaller heaters up to 2kW capacity. For 2.5kW capacity heaters, please use 2.5mm<sup>2</sup> diameter cable.

Important: For safety purposes, please ensure that a professional electrician carries out the installation for you. Sūkka accepts no responsibility for any injury or damage arising out of self-installation.



## WALL FIXTURES AND FITTINGS

1. Drill, plug, and secure the brackets to the wall. Appropriate fixtures must be used depending on the wall material:

### Solid brick/High density block walls

These must be drilled and plugged with the Rawplugg No. 10 size fibre inserts provided. The correct size of drill (5.5mm) should be used and the hole should be drilled to a depth of 8mm greater than the length of the Rawplugg so that the fixing is made below the plaster layer.

### Low density block walls

A special fixing, such as Unifix LB74s should be employed, following closely the manufacturers instructions.

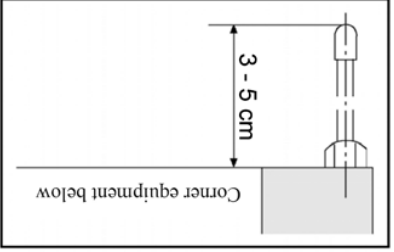
### Panelled internal walls

It is preferable to locate the studing and use the No.10 size woodscrews provided. Where it is not possible to locate the studing use Hollow wall anchors and securely fasten the brackets to the plasterboard when this method is used we recommend that radiator feet are used to take the full weight of the radiator. For other wall materials the wall panel manufacturer should be consulted for details of suitable wall fixing devices.

2. Fit two of the suspension hooks into the bottom slots in the brackets, and hang the bottom of the radiator on them. Make sure the radiator is sitting right back on the hooks and not just resting on the fins.

## OPERATING INSTRUCTIONS

Each radiator has a temperature sensor installed on the underside of the radiator. This is designed to accurately determine the room temperature – note that this should protrude 30 to 50mm from the locating screw.



The Integrated Controller is operated by turning the control knob. The temperature can be regulated from approx. 10°C to 30°C, including a frost protection setting of approx. 6°C.

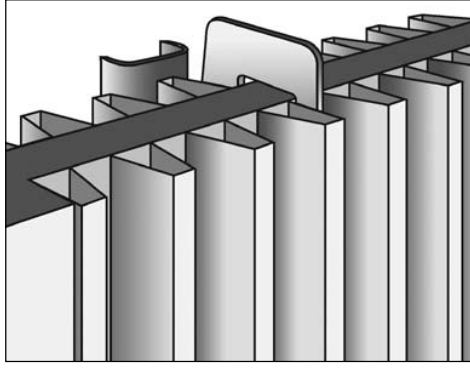
setting: approx. 6°C (frost protection)  
 setting between \* and 1: approx. 10°C  
 setting 4 to 5: approx. 20°C  
 setting 7 to 8: approx. 30°C +

A faint click sound on turning the knob indicates the heating is being generated:

1st click sound: heating on or the set temperature has not been reached.  
 2nd click sound: heating off or the set temperature has been achieved.

Caution - Forced turning beyond the end settings of the control knob will cause damage to the thermostat components and as such will invalidate the warranty.

3. Fit the other two suspension hooks in the top slots of the brackets, and lift them up. Push the radiator back against the wall and drop the suspension hooks back down to lock it in position.
4. The top grille of the radiator can then be fitted and secured with the securing screws at each end.



## INFO & TIPS FOR RIGHT USE OF HEATERS

1. Sūka heaters use a very efficient heating element embedded in a Chamotte fire clay storage element. This is linked to a very sensitive integrated thermostat, with a temperature feeler at floor level.

2. It is important to leave the radiator switched on and to regulate it via the control knob on the left of the heater. (Compare with a well lagged immersion heater – it is cheaper to leave it switched on than to continually switch it on and off and having to heat up the water from scratch each time).

3. After the initial warm up phase to the required temperature, the heater will automatically switch off, but continue to give out the heat stored in the Chamotte fire clay units. Please do not leave windows open with the heaters on, as this only warms the neighbourhood. To air the room, open windows wide for a short period, create a through draught to replenish stale air and then close the window. If it is too warm, then turn the heating control down! Find the level which suits you the best.

4. After that the heater will switch on and off automatically to give "top up heat". On average, Sūka heaters only require approx 15 minutes of electricity for up to 1 hour of total heat. This may mean 7 – 7.5 minutes every half hour or a 15 minute spell every 60 minutes. It depends on the building, the windows and the insulation, as well as how often draughts are let in through doors being continually opened and shut. If in winter it is cold outside, but the sun shines into the rooms and if there is sufficient heat being provided by the sun, then the Sūka heater will automatically switch off and come automatically back on when heat is once again required.

5. Sūka heaters not only give out cosy radiant heat into the room, but also into the walls and this helps build up heat so that the building works as a thermal mass, which also gives out heat into the room.

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6. The ribbed front and rear surfaces are so designed to allow the air in the hollow ribs to be heated and therefore rise naturally. This chimney effect ensures that cold air at floor level is automatically sucked into the ribs for warming up. This ensures warmer floors and warmer feet.

7. Most other heating systems ensure cold floors and feet and warm ceilings and heads, with 5° - 6° C of heat difference between floor and ceiling. With the Sūka heaters, this is reduced to a 1° C difference.

8. Do not cover up the tops of the heaters with clothes or any other item. The heater will automatically switch off after a while. But covering the heater tops will also negate the 15 year Guarantee.

9. When leaving the office, then turn the heater control down slightly to ensure that at night the temperature drops a little but not right down. This ensures a warm office in the mornings and uses less energy than switching off or too low as it then requires much more energy to warm the room up again. (see item 2 above). If the room is too warm in the mornings, then turn the control knob back a little more at nights.

10. Everyone's perception of warmth is individual and different. The Sūka heating system allows you to have the most comfortable and controllable level of heat that you desire.

11. Should you have any individual queries regarding the Sūka heating system, please contact us at: [info@sueka.co.uk](mailto:info@sueka.co.uk), also for general feedback on how the heaters are performing.



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## OPERATING SAFETY

This appliance complies with the European Standards EN 60 335-1, EN 60 335-2-61, EN 61000-3-2, EN 61000-3-3, EN 54014 and EN55104 for Safety & Electromagnetic Compatibility. These standards cover the requirement of the EMC Directives 89/328 & 73/23. Radiator positioning - A minimum clearance of 140mm to the front of the radiator is essential for safety, however to enable the radiator to attain its maximum performance ensure that any furniture or other obstruction is not placed closer than 240mm.

These instructions should be read carefully and retained for future reference.

### IMPORTANT SAFETY INFORMATION

Caution - The surface of this radiator can be hot.

The surface temperatures of this radiator are within the requirements of EN60-335 the European Standard covering the safety requirements of electric heating appliances, and momentary contact with any part of the radiator should not cause injury.

However, in order to be effective, radiators of any type do get hot, especially around the air outlet grille. Therefore, if aged or infirm persons, or young children, are likely to be left unsupervised in the vicinity of a radiator precautions should be taken to ensure that prolonged contact with the radiator cannot occur.

Caution - In order to avoid overheating, do not cover the surfaces of the radiator and do not obstruct air outlet grilles. Surfaces of the radiator should not be covered or obstructed as this can cause excessive temperatures that can be hazardous and may cause safety cut-outs to operate. For example, do not put clothes, fabrics or any combustible materials on the radiator or allow curtains to come within 75mm (3") of the top and ends of the radiator. Do not allow furniture to be pushed up against the radiator. A minimum clearance of 140mm is critical for safety, however to ensure radiator performance is not affected a clearance of 240mm is recommended.

Do not place objects in contact with the radiator.

Caution – The radiator must not be located below a socket outlet.

Please note: This radiator is heavy and must be securely fixed to a sound wall. No attempt should be made to move the radiator without first seeking specialist advice. If you are not happy that the radiator has been securely fixed, please inform your installer.

Under no circumstances should you attempt to move the radiator or loosen wall fixings without taking the necessary advice.

Do not sit or stand on the radiator.

Do not spill liquids onto the appliance. If you do, switch the radiator off and get a qualified electrician to check it.

Do not poke objects through the grille.

Do not place objects in the space behind the radiator.

Do not use polishes on the radiator or on furniture near to it. The hot interior of the radiator can produce paraffin smells from polish vapours which may last for a number of hours. In case of breakdown or other failure, switch off the radiator at both wall switches and contact your supplier or the Suka Help Desk. Always ensure that the radiator is switched off at the wall and fuse is removed before any repair is carried out.

Important - Due to the newness of the materials the radiator will produce a slight smell for the first few days of operation.

Rooms must be well ventilated and young children, caged birds or persons with respiratory complaints must not remain in close proximity to the radiator during the first 48 hours of the commissioning period. Running the radiator at maximum temperature for the first few days will help to dispel any smells more quickly.

Please note that at high setting the room temperature will be hotter with a corresponding increase in running costs.

### Safety - Overheat Protection

For your safety, this appliance is fitted with thermal cut-outs. In the event that the product overheats, the cut-outs switch the radiator off automatically. In the event of these safety cut-outs activating please inform the installer or the Suka Help Desk.

### Cleaning

To maintain the external appearance of the radiator it need only be wiped over occasionally with a dry duster. During the summer months, or at other times when the appliance is not in use and is completely cold, the opportunity should be taken to wipe over with a damp cloth. Do not use abrasive cleaning powders or furniture polish.

Discoloration of wall finishes can sometimes occur immediately above a radiator due to the properties of some paints and decorating materials or the presence of environmental impurities in the air (such as soot or incense generated from the burning of candles etc.).

### After Sales Service

This guarantee in no way prejudices your rights under common law.

Should you require after sales assistance, please contact the Suka Help Desk on 0800 520 333.

## CERTIFICATE OF WARRANTY

The Sūka heating radiators are built to last for a life time. High quality materials have been sourced and used to manufacture them to a high specification and under strict technical and safety supervision. With your purchase of the Sūka heater(s), you have also purchased into more than 30 years of innovative and manufacturing experience.

Sūka Electro Heating Systems issue herewith a manufacturer guarantee for the period of 15 years from date of installation. The 15 year warranty covers the entire charomotte fireclay heating core and the high quality encasing steel as well as all heating elements. Any defects detected on these should be reported immediately for an unconditional replacement. Other electronics devices supplied to Sūka by third parties which are built into your heating systems or supplied with them are guaranteed for the period of three years unless specifically stated otherwise in their respective documentations.

### Conditions

- Sūka will supply or replace parts of the heater free of charge within the warranty duration should any technical defect arise through the use of the appliance in a normal acceptable manner consistent with "tips and hints" given about getting the best out of the heater(s).
- Normal wear and tear or damage caused willfully through neglect or due to incorrect electrical connections are excluded from this warranty.
- The heaters are not to be covered with wet clothing or used for drying laundry. Separate laundry drying rails should be used.
- Claims for damages not specifically mentioned in this warranty shall be deemed invalid.

Guarantee issued on behalf of Sūka Elektroheizgeräte GmbH.

### Sūka Electro Heating Systems

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