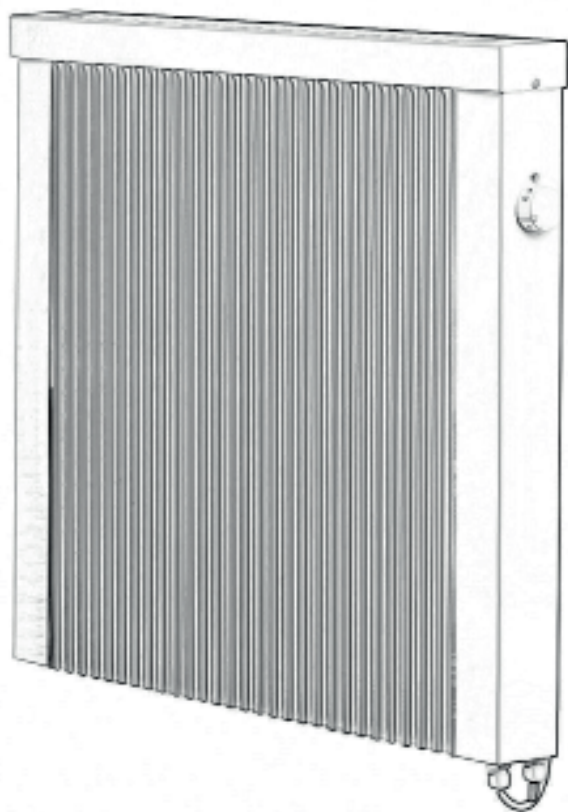


Installation and Operating Instructions

Combiheater CHM



Types

- CHM 500 E
- CHM 1000 E
- CHM 1500 E
- CHM 2000 E

- CHM 500 DSM
- CHM 1000 DSM
- CHM 1500 DSM
- CHM 2000 DSM

- CHM 500 RF
- CHM 1000 RF
- CHM 1500 RF
- CHM 2000 RF



This product is only suitable for well-insulated rooms
or for occasional use.



Please read attentively and keep in a safe place!

Subject to alterations!

Id_no. 911 360 511

Issue 04/18

1. General information about our surface storage heaters

With our variety of electric surface storage heaters, you can find the right solution for your needs in any spatial situation. The TECHNOTHERM partial thermal-storage heaters are available as additional or transitional heating for all rooms in the living area, with the exception of the special cases stated in the safety instructions. They are designed for continuous operation. Prior to dispatch, all our products undergo an extensive function, safety and quality test. We guarantee a constructive design complying with all currently applicable international, European and German safety standards and rules. You can see this in the labelling of our products with the well-known certification marks: "TÜV-GS", "SLG-GS", "Keymark" and "CE". Our heaters are evaluated in accordance with the internationally applicable IEC-regulations. The manufacture of our heaters is constantly supervised by a state-accredited test centre.

This heater can be used by children aged from 8 years and above and by physically, sensory or mentally restricted persons if they are supervised or given instructions on safe use and understand the hazards involved as it does not require any experience or knowledge.

This device is not a toy for children to play with! **Cleaning and user maintenance shall not be carried out by children without supervision.**

The use of heat radiators is to be given a particular duty of care by supervisors. Children under the age of 3 are to be kept away unless they are continually supervised. Children between the age of 3 and 8 are only allowed to switch the heater on or off if they are supervised or given instructions on safe use and understand the hazards involved, provided that it has been placed or installed in its intended normal operating position. Children between the age of 3 and 8 shall not plug in, regulate and clean the heater or perform user maintenance.

Caution: Some parts of the product can become very hot and cause burns. Pay particular attention when children and vulnerable people are present. (With the exception of LT series - see separate Instructions!)

2. Use with an internal temperature controller (built-in on the lateral side of the device)

As soon as the heater is completely assembled and installed by an authorized electrician, you can start using it.

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2.1 Please turn the control knob to the desired room temperature (for example, temperature 21°C during the day). Now the electrical surface storage heater is switched on and heats automatically. When the set temperature is reached, the power supply will be interrupted. However, the heater will still radiate heat stored in the ceramic storage core. As soon as the room temperature drops, the room thermostat switches ON the heater again. This process is repeated continuously, as long as the heater is at the operation mode. If you are going to be absent for a longer period of time, please set the temperature to a lower level to save energy. If you turn the control knob completely to the left, the heater will be switched OFF.

2.2 Installation with internal temperature controller (built-in to the side of the unit)

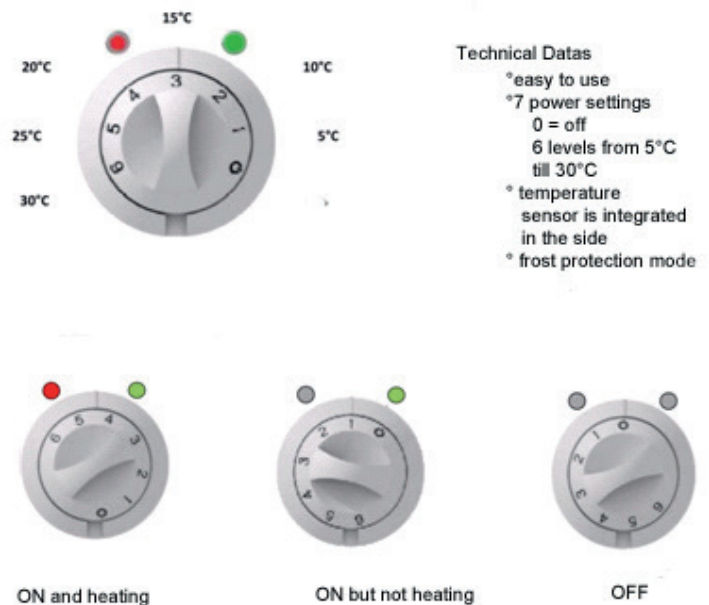
The desired room temperature is regulated by a built-in thermostat.

To do this, set the control knob to the right position as shown by the red light:

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- Position 1 : about 5°C (frost protection)
- Position 4 : about 20°C
- Position 6 : about 30°C

A light indicator shows the warming-up status of the heater.



The temperature sensor belonging to the device is installed at the bottom of its lateral side. Its settings are to be made by your plumber.



2.3 Installation with external, remote-control room thermostats

Please observe all instructions for installation and use of this unit in the enclosed booklet.

3. Important safety instructions

3.1 Surface thermal-storage heaters for dry rooms

- The heaters should be only installed in accordance with the applicable provisions of DIN VDE 0100. In the event of an improper function, disconnect the heater from the mains supply. Report the case to our customer service department as soon as possible.
- To avoid a fire hazard, keep the following safety distances when mounting the heater:

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From the each side wall of the heater to any masonry:	5 cm
From the each side wall of the heater to flammable materials:	10 cm
Distance from the heater to the floor:	8 cm
Distance from the upper edge of the heater to the building components or covers (e.g. window sills): flammable	15 cm
non-flammable	10 cm

4. Technical data:

Our surface storage heaters are designed for protection class I and a mains voltage of 230V, 50Hz. For all heater types listed in the table, internal electronic temperature regulators or remote-controlled room temperature regulators are optionally available. Our various products of 34 cm or 63 cm overall height are available in the IP24 version. All other heaters have protection class IP20. Please see the information given on the nameplate of the heater.

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Model	Power [Watt]	Dimensions [cm]	Protection Class	Additional
CHM 500 E	500	38 x 63 x 7	IP 20	
CHM 1000 E	1000	68 x 63 x 7	IP 20	
CHM 1500 E	1500	98 x 63 x 7	IP 20	
CHM 2000 E	2000	98 x 63 x 7	IP 20	
CHM 500 DSM	500	38 x 63 x 7	IP 20	
CHM 1000 DSM	1000	68 x 63 x 7	IP 20	
CHM 1500 DSM	1500	98 x 63 x 7	IP 20	
CHM 2000 DSM	2000	98 x 63 x 7	IP 20	
CHM 1000 H DSM	1000	38 x 124 x 7	IP 20	
CHM 500 RF	500	38 x 63 x 7		
CHM 1000 RF	100	68 x 63 x 7	IP 20	
CHM 1500 RF	1500	98 x 63 x 7	IP 20	
CHM 2000 RF	2000	98 x 63 x 7	IP 20	

5. Installation instructions

Please observe the safety instructions given on pages 2 and 3!

- Our electric surface storage heaters shall be preferably located under a window or close to a room outside wall (please absolutely keep the minimum clearances as shown on page 4).
- The respective mounting aids are an integral part of the delivery.
- The room thermostat shall be placed at half of the room height and not closer than 1 meter from the heaters. The thermostat is to be installed between the power source and the electric storage heater. Remove the packaging. Heed that no packaging residues stick on the heater!
- Insert the rollers or feet from the bottom into the fins of the heater. To ensure a secure standing, pay attention to the same external distances.

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6. Report the case to the after-sales service

Your surface storage heater was carefully manufactured and checked repeatedly before dispatch. If you should nevertheless encounter a problem or have questions concerning handling, feel free to contact us.

7. Directive

From Jan 1st 2018, the EU-conformity of these devices is additionally bound to fulfilment of the Eco-Design Requirements 2015 /1188.

The use of the standard TT-KS series (without an external thermostat regulating) is only permitted with castors or on feet.

If this requirement is not fulfilled, the device will lose its CE marking.

7.1 Tables

Model: CHM RF (operation only allowed in conjunction with thermostat TPF-Eco and Eco interface - optional)									
Designation	Symbol	Rate				Unit	Designation		Unit
Heating capacity							Type of heat supply, only for electrical storage heaters in rooms (select one type)		
Nominal thermal output	P _{nom}	05	1,0	1,5	2,0	kW	Manual thermal charge control, with an integrated thermostat		NO
Minimal thermal output (indicative)	P _{min}	0,5	1,0	1,5	2,0	kW	Manual thermal charge control with acknowledgement of the room inside and /or outside temperature		NO
Maximum continuous thermal performance	P _{max,c}	0,5	1,0	1,5	12,0	kW	Electronic charge control with acknowledgement of the room inside and /or outside temperature		NO
Auxiliary current consumption							Heating power supported with a fan		NO
At nominal thermal output							Type of heating power / room temperature Control (select one type)		
At the minimum heating capacity	e _{l_min}	<0,5	<0,5	<0,5	<0,5	kW	Single-stage heating capacity; no room temperature control		NO
At the standby mode	e _{l_SB}	<0,5	<0,5	<0,5	<0,5	kW	Two or more manual stages, no room temperature control		NO
							With mechanical room temperature control		NO
							With electronic room temperature control		NO
							Electronic temperature control in the room, depending on the time of day		NO
							Electronic temperature control in the room, depending on the weekday		Yes
							Other control options (multiple choice is possible)		
							Room temperature control with presence detection		NO
							Room temperature control with detection of an opened window		NO
							With remote control option		Yes
							With adaptive start control		NO
							With limitation of heating time		NO
							With a black lamp sensor		NO
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Type: CHM E (operation only permitted in conjunction with castors or stands.) NO WALL MOUNTING allowed!									
Designation	Symbol	Rate				Unit	Designation		Unit
Heating capacity							Type of heat supply, only for electrical storage heaters in rooms (select one type)		
Nominal thermal output	P _{nom}	05	1,0	1,5	2,0	kW	Manual thermal charge control, with an integrated thermostat		No
Minimal thermal output (indicative)	P _{min}	0,5	1,0	1,5	2,0	kW	Manual thermal charge control with acknowledgement of the room inside and /or outside temperature		No
Maximum continuous thermal performance	P _{max,c}	0,5	1,0	1,5	2,0	kW	Electronic charge control with acknowledgement of the room inside and /or outside temperature		No
Auxiliary current consumption							Heating power supported with a fan		No
At nominal thermal output							Type of heating power / room temperature Control (select one type)		
At the minimum heating capacity	e _{l_min}	<0,5	<0,5	<0,5	<0,5	W	Single-stage heating capacity; no room temperature control		No
At the standby mode	e _{l_SB}	<0,5	<0,5	<0,5	<0,5	W	Two or more manual stages, no room temperature control		No
							With mechanical room temperature control		No
							With electronic room temperature control		Yes
							Electronic temperature control in the room, depending on the time of day		No
							Electronic temperature control in the room, depending on the weekday		No
							Other control options (multiple choice is possible)		
							Room temperature control with presence detection		No
							Room temperature control with detection of an opened window		No
							With remote control option		No
							mit adaptiver Startsteuerung		No
Contact	Lucht LHZ Elektroheizung GmbH & Co. KG Reinhard-Schmidt-Str.1 D-09217 Burgstädt								



								With remote control option	No
								With adaptive start control	No
								With limitation of heating time	No
								With a black lamp sensor	No

Type: CHM DSM (in conjunction with the DSM interface the remote control)										
Designation	Symbol	Rate				Unit	Designation	Unit		
Heating capacity							Type of heat supply, only for electrical storage heaters in rooms (select one type)			
Nominal thermal output	P_{nom}	05	1,0	1,5	2,0	kW	Manual thermal charge control, with an integrated thermostat	NO		
Minimal thermal output (indicative)	P_{min}	0,5	1,0	1,5	2,0	kW	Manual thermal charge control with acknowledgement of the room inside and /or outside temperature	NO		
Maximum continuous thermal performance	$P_{max,c}$	0,5	1,0	1,5	2,0	kW	Electronic charge control with acknowledgement of the room inside and /or outside temperature	NO		
Auxiliary current consumption							Heating power supported with a fan			NO
At nominal thermal output	$e_{l,max}$	0,5	1,0	1,5	2,0	kW	Type of heating power / room temperature Control (select one type)			
At the minimum heating capacity	$e_{l,min}$	0,87	0,87	0,87	0,87	W	Single-stage heating capacity; no room temperature control			NO
At the standby mode	$e_{l,SB}$	0,87	0,87	0,87	0,87	W	Two or more manual stages, no room temperature control			NO
							With mechanical room temperature control			NO
							With electronic room temperature control			NO
							Electronic temperature control in the room, depending on the time of day			NO
							Electronic temperature control in the room, depending on the weekday			YES
							Other control options (multiple choice is possible)			
							Room temperature control with presence detection			NO
							Room temperature control with detection of an opened window			YES
							With remote control option			YES
							With adaptive start control			YES
							With limitation of heating time			NO
							With a black lamp sensor			NO
Kontaktinfor- mation:	Lucht LHZ Elektroheizung GmbH & Co. KG Reinhard-Schmidt-Str.1 D-09217 Burgstädt									

TECHNOTHERM After-sales service:
Ph. +49 911 9378 32 10

Technical alternations, errors, omissions and errata reserved. Dimensions are stated without warranty!

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TECHNOTHERM is a trademark of Lucht LHZ GmbH & Co. KG
Reinhard Schmidt-Str. 1 | 09217 Burgstädt, Germany
Phone: ++49 3724 66869 0
Telefax: ++49 3724 66869 20
info@Lucht-LHZ | www.Lucht-LHZ.de