



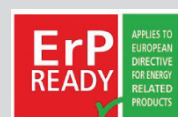
# Installation and technical manual

Panel Heater CPH 1000 – 2400 E - Stands



**GB**

CPH 1000 E  
CPH 1500 E  
CPH 2000 E  
CPH 2400 E



Eco-Design Directive 2015/1188:  
This product is only suitable for well-insulated rooms or for occasional use.

THESE INSTRUCTIONS SHOULD BE READ CAREFULLY AND RETAINED FOR FUTURE REFERENCE. BE SURE TO OBSERVE ALL LABELS AND WARNINGS ON THE APPLIANCE

Edition: 01/18

Id Nr. 911 360 860

## 1. For your safety

- This appliance is intended for normal household use and not for use for vehicles or on board ships or aircrafts.
- This appliance can be used by children aged from 8 years and above and persons with reduced physical, sensory or mental capabilities or lack of experience and knowledge if they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children shall not play with the appliance. Cleaning and user maintenance shall not be made by children without supervision.
- Children of less than 3 years should be kept away unless continuously supervised.
- Children aged from 3 years and less than 8 years shall only switch on/off the appliance provided that it has been placed or installed in its intended normal operating position and they have been given supervision or instruction concerning use of the appliance in a safe way and understand the hazards involved. Children aged from 3 years and less than 8 years shall not plug in, regulate and clean the appliance or perform user maintenance.

- **CAUTION — Some parts of this product can become very hot and cause burns. Particular attention has to be given where children and vulnerable people are present.**
- Make sure that your supply rating corresponds to what specified on the rating plate: 230V~, 50Hz.
- During function, place the heater in a safe position:
  - at least 1m far from inflammable objects or furnitures;
  - leaving not less than 1m of free space in front of the heater;
  - not located immediately below a socket-outlet.
- Do not leave animals or children touch or play with the appliance.
- Do not use the heater in rooms with explosive gas or while using inflammable solvents or varnish or glues.
- If the cordset is damaged and you have to change it, do not do the job yourselves! Take the product to an after sales authorised repair centre or to a person with similar skill and knowledge, in order to avoid any risk of danger.
- The appliance must be positioned so that the plug is always accessible.
- Do not mount the product on walls.



### Warning! This device has to be grounded

This device may only be operated using alternating current and the operating voltage indicated on the power rating plate.

- Nominal Voltage 230V AC, 50 Hz
- Protection Class I
- Degree of Protection IP 24
- Room Thermostat 4°C till 40°C

This device is only for use with stands – NO wall mounting allowed!

## 2.1 Technical data

Model	Power [W]	Dimensions (ill.)		weight [kg]
		a [mm]	b [mm]	
CPH 1000	1000	415	215	4,8
CPH 1500	1500	565	365	6,0
CPH 2000	2000	695	495	7,0
CPH 2400	2400	915	715	8,2

## 2.2 Operation

Connect the heating convector to the mains supply to set it into operation.

### Switching the appliance on

Switch on the appliance by setting the tumbler switch to position „1“.

### Switching the heating on

Switch on the heating by turning the temperature selector switch and choose the required temperature. The temperature range extends from 4°C to 40°C graduated into 10 steps. The thermostat switches off the heating as soon as the preset ambient temperature is reached, which will then be kept constant by cyclic heating. The high consistency of the thermostat (below 2 K) provides a constantly comfortable temperature and thus ensures power-saving heating.

### Anti-freezing protection

When setting the temperature selector switch to grade „1“ the thermostat automatically cuts in if the ambient temperature falls below 4°C.

### Switching the appliance off

Switch off the appliance by setting the tumbler switch to position „0“.

### 3. Important notes

During operation the temperature at the front panel and at the hot-air outlet of the convector may rise above 85 °C. Do not place any objects on or beside the heater. Free air exit must not be hindered by covering the hot-air outlets with any objects such as curtains, pieces of laundry etc., otherwise risk of overheating. Combustible objects such as wood, paper, textiles etc. as well as highly flammable substances such as wax, petrol, aerosols must not be placed near the heater within the hot-air current. Switch the heater off when carrying out work where highly flammable vapors could emerge, such as laying or sealing parquet or other kinds of floor covering or when using aerosols, floor wax, petrol etc.

#### Caution!

The appliance must not be installed in rooms with explosion hazard such as garages etc. Remove the protection foil from all panels prior to first use. Should the heater give off a bad smell when it is heated up for the first time this is caused by manufacturing-related residues, which are harmless to health. This nuisance will disappear within short time. The rising hot air can cause staining on the wall, a phenomenon seen in all other types of heaters too. The appliance may only be opened by an authorized professional with the power supply disconnected.



### 4. Maintenance

To clean the appliance, switch it off and rub it with a moist cloth using a mild detergent if necessary. Finally polish with a dry cloth. Do not use any abrasive or caustic detergents for cleaning.

This Manual is very important and has to be kept at a safe place at all times. Be sure to hand this manual to any other succeeding owner of the device.

### 5. Installation instructions

These installation instructions are an integral part of the appliance and must be kept in a safe place by the user. Pass it on to any subsequent user if the owner of the appliance changes. Thanks to graduated heating capacities they can be adapted to any room size. The convector comes complete with connecting cable that must be connected to a wall socket. The appliance has been designed to be connected to 230V alternating current (AC).

#### Fixing

Fix the appliance in such way that any potentially combustible objects cannot catch fire. Therefore, the minimum safety distances mentioned below must be kept.

There shall be a minimum space of 10 cm between the heater and any wooden parts or other objects. Any window sills, roof slopes, brackets etc. must be located at least 50 cm over the hot-air outlets of the heater. If the appliance is used in bathrooms, install it in such way that the tumbler switch or the temperature selector cannot be touched by a person being in the tub or under the shower.

**Caution** Do not install the appliance below a wall socket. The appliance is not suitable for outside use.



## Electrical installation

The appliance has been designed to be connected to 230V alternating current (AC). All electrical installation work, in particular protective measures, must be carried out in compliance with the national regulations and statutory provisions of the respective utilities provider.

**The electrical installation may only be carried out in compliance with the installation instructions by an authorized professional!**

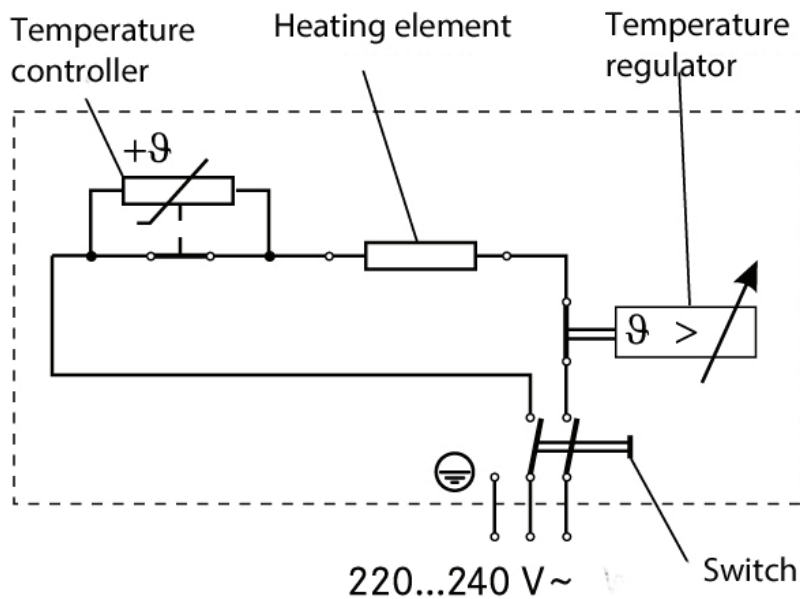
Permanent cables must not be connected directly to the appliance! If the electrical installation is done by means of an isolating unit, it should be taken care that the isolation is designed with at least 3 mm separation on all poles.

Type of connection of the appliance:  
Type Y acc. to VDE 0700 Part 1.

**In case the connecting cable is damaged, it may only be replaced by a repair shop appointed by the manufacturer!**

The minimum distance between appliance and connector socket must be 10 cm. The connecting cable must not have contact with the appliance.

## Diagram of connections



6. Directive

From 01.01.2018, the EU conformity of these devices is additionally linked to the fulfillment of the Ecodesign requirements 2015/1188.

The installation and commissioning of the devices is only permitted in connection with feet. Wall mounting is not permitted.

Model: CPH E (only in combination with feet)									
Item	Symbol	Value					Value	Item	Value
<b>Heat output</b>							<b>Type of heat input, for electric storage local space heaters only (select one)</b>		
Nominal heat output	$P_{nom}$	1000	1500	2000	2400	Watt		manual heat charge control, with integrated thermostat	No
Minimum heat output (indicative)	$P_{min}$	1000	1500	2000	2400	Watt		manual heat charge control with room and/or outdoor temperature feedback	No
Maximum continuous heat output	$P_{max,c}$	1000	1500	2000	2400	Watt		electronic heat charge control with room and/or outdoor temperature feedback	No
<b>Auxiliary electricity consumption</b>								fan assisted heat output	No
At nominal heat output	$e_{l,max}$	1000	1500	2000	2400	Watt	<b>Type of heat output/room temperature control (select one)</b>		
At minimum heat output	$e_{l,min}$	<0,5	<0,5	<0,5	<0,5	Watt	single stage heat output and no room temperature control		No
In standby mode	$e_{l,SB}$	<0,5	<0,5	<0,5	<0,5	Watt	Two or more manual stages, no room temperature control		No
							with mechanic thermostat room temperature control		No
							with electronic room temperature control		Yes
							electronic room temperature control plus day timer		No
							electronic room temperature control plus week timer		No
							<b>Other control options (multiple selections possible)</b>		
							room temperature control, with presence detection		No
							room temperature control, with open window detection		No
							with distance control option		No
							with adaptive start control		No
							with working time limitation		No
							with black bulb sensor		No
Contact details:	Lucht LHZ Elektroheizung GmbH & Co. KG   Reinhard-Schmidt-Str.1 D-09217 Burgstädt								

Failure to comply with these requirements will result in the loss of the CE mark.



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