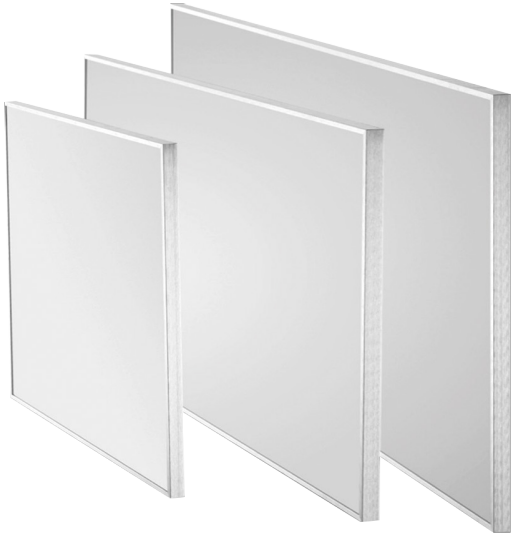
INSTRUCTION MANUAL (EN)

Infraplate pro

SIKU Infraplate pro Classic

DC Serie



CONTENT

DELIVERY SCOPE

(A) Heating Device x1	(B) Spacers x 4 (option)
(C) Hole Covers x4	(D) Manual x 1
CEILING MOUNTING ACCESSORIES:	
(G) Metal Expansion Tubes x 4	(H) Screws x 4
(I) Spring Toggles x 4	(J) Washers x 4

TIP: G and H are applied to concrete ceilings, whereas H, I and J are used on gypsum board ceilings.

MODELS

This instruction manual applies to the following models:

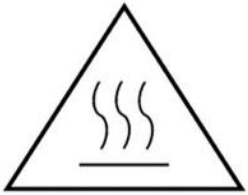
SIKU Infraplate pro IPP 450 DC	(Item no. 50792)
SIKU Infraplate pro IPP 700 DC	(Item no. 50793)
SIKU Infraplate pro IPP 900 DC	(Item no. 50794)
SIKU Infraplate pro IPP 1400 DC	(Item no. 50795)

“DC“ - Direct Ceiling - for direct mounting on the ceiling.

NOTICE:
We recommend only ceiling mounting for these infrared heating panels because they do not have an operating indicator light and reach a **surface temperature of 130°C**.

WARNING SIGNS

No Covering



No Touching

No Spraying

These products are only for well insulated rooms or suitable for occasional use.

ACCESSORIES

Required accessories for heating plates:
The BT710 and BT010 room thermostats require a receiver.

PT712 - digital thermostat with room sensor (Item no. 50446)
- Enables regulation based on the room temperature
- The required temperature can be changed quickly
- 2 weekly programmes with 6 temperature changes per day
- Power reserve for more than 100 hours in the event of a power cut

IPP-FT01 - radio room thermostat (Item no. 50815)
- Used to switch electrical heating systems in houses, apartments and offices on and off based on the temperature
- Can control up to 9 receivers
- Simple and flexible installation - without mains connection and cables

BT010 - radio room thermostat (Item no. 50435)
- Can trigger one receiver
- The range within a building is at least 35 m depending on the receiver
- Benefits: the set temperature can be changed quickly using the hand wheel, quick selection switch for night moderation, frost protection

IPP-R01 - Empfänger für IPP-FT01 und BT010 - Unterputz (Item no. 50648)
- Suitable for switching infrared heaters, electric radiators, etc. on and off
- The BT001 switches the connected consumers off and on based on the data transferred from the transmitter

BT003 - Empfänger für IPP-FT01 und BT010 - in einer Zwischensteckdose (Item no. 50437)
- Suitable for switching infrared heaters, electric radiators, etc. on and off
- The BPT003 switches the connected consumers off and on based on the data transferred from the transmitter
- Plugged directly into the socket

TS20 - Thermoschaltersteckdose (Item no. 50520)
- is a digital, temperature-dependent, switched socket for automatic regulation of SIKU Infraplate pro series electrical heating systems
- up to six time intervals with three temperature levels can be set for each day

NOTE:

Info according to new ERP- Standard 1188:
As of 2018, Infraplate pro Infrared non-storage type heating appliance must be operated only as a combination of a room thermostat with integrated timer and room ventilation detection device.

Thank you for purchasing our product. Please read the User manual carefully before using the product for the first time use and follow all safety precautions to ensure safe use. If you pass the product on to third parties, the operating instructions must also be handed over.

WARNING NOTICES & PRECAUTIONS

1. WARNING NOTICE: The hot plate must not be covered to prevent it from overheating.
2. The hot plate must not be placed underneath a socket.
3. The hot plate must not be operated, when the heater elements are damaged.
4. WARNING NOTICE: The hot plate is not equipped with a temperature measuring device. The hot plate should not be operated in rooms with persons, who are unable of leaving a room on their own or need assistance to do so. Unless the room is constantly supervised.
5. This plant may be used by children as of the age of 8 and persons with restricted physical, sensory, or mental skills or inadequate experiences or knowledge, provided that such persons have been instructed accordingly. The hot plate is no toy and should therefore not be used as such. The cleaning and maintenance must not be performed by children unless they are supervised.
6. Children under 3 years must not operate the device unless they are constantly supervised while they are doing so.
7. Children aged between 3 and 8 years must the device only switch on and off, if the installation and setup of the device has been taken place in accordance with the instructions and a constant supervision or instruction regarding the use and dangers associated can be guaranteed. Children aged between 3 and 8 years must neither connect the device with a power circuit nor regulate, clean, maintain or repair it.
8. In order to avoid dangers associated with a damaged power cord, it must be replaced by the manufacturer, its technicians, or equally qualified persons.
9. CAUTION – Some components of the product may become very hot, which may lead to burnings in case of skin contact. Special precautions should be taken, if the hot plate is operated in the presence of children and disabled persons.
10. WARNING NOTICE: The installation of the device close to curtains or other inflammable materials and substances should be avoided.
11. The device must not be used by persons (including children) with physical, mental, or sensory disabilities, or persons who have not been instructed on the correct operation of the device, unless they are attended by a person in charge of their safety resp. they have been instructed on the use of the device. It must be seen to it that children do not play with the device.
12. The power cord must not be damaged or destroyed. The power cord must not be modified, bent, stretched, pressed or used otherwise against its purpose, as this increases the risk of fire or electrical shock.
13. It must be made sure that the supply voltage is between 220-240 V, 50Hz, and the electric supply has been grounded before the initial use.
14. The hot plate consumes more power than smaller devices, therefore it must be provided for a separate 5A-socket.
15. The device must be kept away from inflammable objects, otherwise there might be a risk of fire.

16. The hot plate must not be placed next to or onto inflammable or meltable objects such as wood, straw, curtains, plastics, etc.
17. Safety distance: 30 cm to the front, each 10 cm to the right and left side.
18. Persons must not jump or climb on the hot plate, high pressure or impacts on the device must be avoided.
19. Single parts of the body must not be exposed to the heat of the hot plate for a longer period, otherwise there might be a risk of slight burnings.
20. The hot plate must never be covered with heat-insulating objects such as towels, blankets, or carpets
21. In order to avoid electrical shocks, burnings, or similar accidents, it must be made sure, that the hot plate is disconnected from the power source and allowed to cool down completely before any cleaning works are performed. A dry cloth should be used for the cleaning. Benzine or acidic detergents must not be used for the cleaning.
22. Wall-mounted heating panels must be mounted at **least 0.6 m above the floor**.
23. Ceiling mounted heating panels must be mounted at **least 1.8 m above the floor**.

PRODUCT CHARACTERISTICS

- The hot plate has been designed for the purpose of an efficient, comfortable, and healthy heating system for domestic use.
- The hot plates provide for both a reduction of the air circulation and the maintenance of a clean, silent, and dustfree indoor climate.
- The devices are only intended for the ceiling.
- The devices are available in various sizes and designs.

TECHNICAL DATA

HEATING ELEMENT	NiCr heating wire
VOLTAGE	230 V / 50 Hz
SURFACE TEMPERATURE	130 °C
FRONTMATERIAL	white Aluminium sheet
FRAME	Aluminium white
BACKMATERIAL	Clad steel sheet
OVERHEATING PROTECTION	Yes
ELECTRICAL CONVERSION EFFICIENCY	98%
CABLE LENGTH	1,9 m
PROTECTION	IP52 (with plug)
WARRANTY	2 years

Model	Dimension (mm)	Capacity	Rated current	Weight	Room sizes	Certificates
IPP450DC	630x630x21	450 W	1,96 A	3,6 kg	up to 7 m²	RoHS, CE
IPP700DC	1030x630x21	700 W	3,00 A	5,4 kg	up to 12 m²	RoHS, CE
IPP900DC	1230x630x21	900 W	3,90 A	6,2 kg	up to 16 m²	RoHS, CE
IPP1400DC	1830x630x21	1400 W	6,10 A	8,8 kg	up to 22 m²	RoHS, CE

Heat output

Models	Expanse of heat rays	Nominal heat output	Maximum continuous heat output	Auxiliary power consumption at Nominal heat output
IPP450DC	1,2 m	N/A	N/A	N/A
IPP700DC	1,5 m	N/A	N/A	N/A
IPP900DC	1,8 m	N/A	N/A	N/A
IPP1400DC	2,3 m	N/A	N/A	N/A

Type of heat input, for electric storage local space heaters only (select one)

manual heat charge control, with integrated thermostat	N/A
manual heat charge control with room and/or outdoor temperature feedback	N/A
electronic heat charge control with room and/or outdoor temperature feedback	N/A
fan assisted heat output	N/A

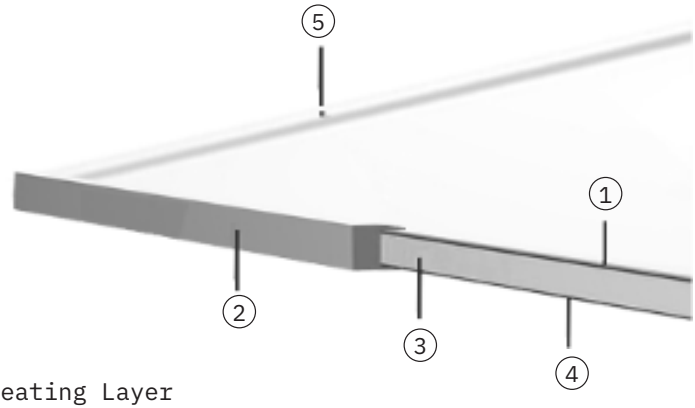
Type of heat output/room temperature control (select one)

single stage heat output and no room temperature control	NO
Two or more manual stages, no room temperature control	NO
with mechanic thermostat room temperature control	NO
with electronic room temperature control	NO
electronic room temperature control plus day timer	NO
electronic room temperature control plus week timer	YES

Other control options (multiple selections possible)

room temperature control, with presence detection	NO
room temperature control, with open window detection	NO
with distance control option	NO
with adaptive start control	YES
with working time limitation	NO
with black bulb sensor	NO

EQUIPMENT CONFIGURATION



① Heating Layer

② Aluminium Frame

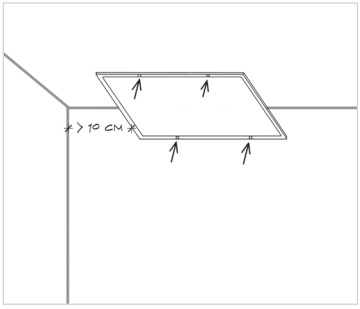
③ Insulation Layer

④ Clad steel sheet

⑤ Mounting Hole

INSTALLATION

Make sure remove the protective film (on the front)!
Please ensure the ceiling can withstand the weight of the product first!



Select the installation posi¬tion of the infrared heating plate and maintain the required minimum distance.

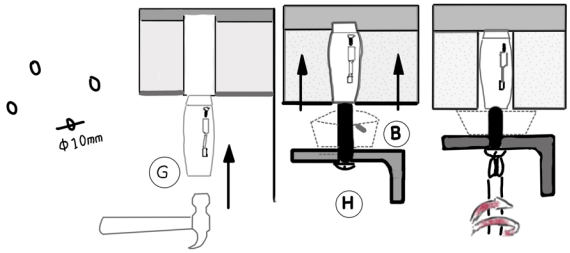
1. Mark the 4 drilling points on the wall through the holes provided on the infrared heating plate or Measure the distance of four holes on each frame of heating panel and mark four punch points onto the ceiling.

2. Make sure to determine the material of the ceiling. The following are the installation methods for **concrete ceilings** and **gypsum board ceilings**. Please choose and use appropriate accessories based on the specific situation.

a. Concrete ceiling Installation
Step1: Drill four **10mm holes** at the marked positions.

Excessive drilling diameter is strictly prohibited!
Step2: Insert the metal expansion tubes(G) into the drilled holes.
Step3: Thread screws(H) sequentially through the frame holes and spacers (if spacers are not purchased, there is no need to place them).
The spacers should be positioned behind the panel, and then tighten the screw into the metal expansion tube.

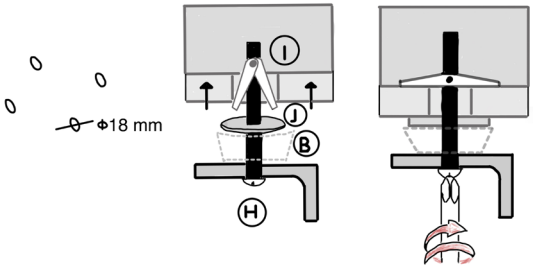
Turn the screws to the end tightly, This is very IMPORTANT!



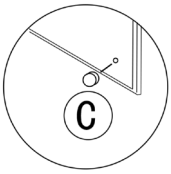
b. Gypsum boards ceiling Installation
Step1: Drill four **18mm holes** at the marked positions.

1. Excessive drilling diameter is strictly prohibited!
2. Please note that the spring toggles(I) are designed for gypsum boards or wooden ceilings with a thickness ranging from 9-18mm. It is forbidden to be used on gypsum board ceilings with a thicknesses less than 9mm.
3. For wooden ceilings exceeding 18mm in thickness, consider employing metal expansion tubes (G) or using your own carpentry nails, ensuring the carpentry nails meet or exceed M5*40mm in size.

Step2: Thread screws(H) sequentially through the frame holes, spacers, washers, and spring toggles (if spacers are not purchased, there is no need to place them). Then, insert the spring toggles into the pre-drilled holes.
Step3: Tighten the screws.



3. Cover the naked holes with the hole covers.



TROUBLESHOOTING

PROBLEM	CAUSE	TROUBLESHOOTING
High noise level after normal connection and initial use.	Built-up of tension in the structure.	Occurs frequently, no counter measures required.
Surface of hot plate bends slightly upwards.	Heat expansion of surface material.	Occurs frequently, no counter measures required.
Surface of hot plate is merely slightly heated.	Operation voltage too low.	Install voltage controller.
	Low ambient temperature.	Normal occurrence.

MAINTENANCE AND REPAIR

1. The device must always be disconnected from the power source before the performance of cleaning works.
2. Wipe exterior of the hot plate with damp or dry cloth.
3. There must be no petroleum or other detergents resp. chemical solvents used for the cleaning of the hot plate.

DISPOSAL

Environmental protection
Electrical products must not be disposed of in domestic waste. Electronic waste must be disposed of at the nearest recycling facility.Information regarding this matter can be obtained from the competent local government or the point of sale at which the device was purchased.

MANUFACTURER‘S WARRANTY

Dear User,
Thank you very much for purchasing SIKU Infrared Panel Heaters.
Sincerely hope that our products can bring you warmth and comfort!

We warrant for a period of 2 years from the production date, which will remedy any defects due to faulty material or workmanship for free through maintenance or replacement.

When making a guarantee claim, please contact dealer or **office@siku.at** firstly.

This warranty card can be sent once we receive and confirm your request as well as other relevant information.
Thanks very much!

Remark:

1. Two years warranty from date of production.
2. Warranty covers manufacturing technical defects excluding breakage.
3. Warranty is void if repairing without our consent or seal is broken.
4. The warranty does not cover faults resulting from operation careless handing or not following instructions.

WARRANTY CARD

Product Name _____

Series & Model Number _____

Fault Description

_____

_____

_____

Dealer Info

Dealer Name _____

Purchase Date _____

Client Contact Info

Client Name _____

Contact Number _____

Adress _____

EXTENDED INFORMATION OBLIGATION ACCORDING TO ELEKTROG3

Disposal

Regarding the legally compliant disposal of our electronic devices
We ask that you consider the following points:

1. According to the „crossed-out garbage can“ shown on our electrical devices, these must not be disposed of with the residual waste.

2. According to the Electrical and Electronic Equipment Act (ElektroG), our electrical devices are classified as „small devices“ or „large devices“ and as such must be handed over to municipal collection points for environmentally friendly disposal. This return is not associated with any costs for you.

3. As an alternative to (2), our electrical appliances can be purchased via stationary trade and online trade with a storage/sales area of ≥ 400 sqm can be returned free of charge, whereby the return of a large device is linked to the purchase of a new comparable device. It is also possible to return goods free of charge to food retailers who offer or provide electrical appliances several times and have a total sales area of ≥ 800 square meters.

4. There is an obligation to remove before returning accessible batteries/rechargeable batteries.

5. The supplied batteries/rechargeable batteries are Button cell/lithium (type: primary).

Information on the current status of the take-back rates for waste electrical and electronic equipment can be found at the following link:
https://www.bmu.de/themen/wasser-abfall-boden/abfallwirtschaft/statistiken/elektro-und-elektronikaltgeraete/

SIKU VertriebsgmbH | Sandstraße 13 | 2100 Stetten | Austria
Tel.: +43 2262 61 521 | www.siku.at | office@siku.at