

Operating Manual

Infrared Heating Panel

64390-64396

wiltec



Illustration similar, may vary depending on model

Please read and follow the operating instructions and safety information prior to initial operation.

Technical changes reserved!

Illustrations, functional steps, and technical data may deviate insignificantly due to continuous further developments.



The information contained in this document may alter at any time without prior notice. No part of this document may be copied or otherwise duplicated without prior written consent. All rights reserved.

WilTec Wildanger Technik GmbH cannot be held liable for any possible mistakes in this operating manual, nor in the diagrams and illustrations shown.

Although WilTec Wildanger Technik GmbH has made every possible effort to ensure that this operating manual is complete, accurate, and up-to-date, errors cannot be ruled out entirely.

If you have found an error or wish to suggest an improvement, we look forward to hearing from you.

Send us an e-mail to:

service@wiltec.info

or use our contact form:

<https://www.wiltec.de/contacts/>

The most recent version of this manual in several languages can be found in our online shop:

<https://www.wiltec.de/docsearch>

Our postal address is:

WilTec Wildanger Technik GmbH
Königsbenden 12
52249 Eschweiler – Germany

To return your goods for exchange, repair, or other purposes, please use the following address. Attention! To allow for a trouble-free complaint or return, it is important to contact our customer service team before returning your goods.

Retourenabteilung
WilTec Wildanger Technik GmbH
Königsbenden 28
52249 Eschweiler – Germany

E-mail: **service@wiltec.info**

Tel: +49 2403 55592-0

Fax: +49 2403 55592-15









Introduction

Thank you for choosing to purchase this quality product. To minimise the risk of injury, we ask you to always take some basic safety precautions when using this product. Please read this operating manual carefully and make sure that you understand it. Keep these operation instructions in a safe place.

Safety instructions

Warning symbols

Symbol	Meaning
	This symbol indicates a middle-grade risk. Non-compliance might lead to serious injuries or to death.
	Voltage warning — This symbol indicates a risk on injury or danger of death caused by voltage.
	This symbol found on the device states that it is forbidden to place objects (such as towels, clothes, etc.) onto the device or directly in front of it. The device must not be covered to avoid overheating and fire.
	This symbol found on the device indicates dangers to persons caused by hot surfaces.
	This symbol found on the device states that it is forbidden to spray liquids onto the device.
	This symbol found on the device and the information following it state that the manual must be read.

Warning notices

Thoroughly read this manual before putting this device into operation or before using it. Keep this manual near the device or its place of use.

Read all safety precautions and instructions. Disobeying the warning and instructions might lead to electric shocks, fire, and/or severe injuries. Keep all warnings and instructions for future reference.

Warning!

- This device can be used by children from 8 years on as well as by persons with reduced physical, sensory, and mental abilities or lack of experience and knowledge if they are supervised or have been instructed concerning the proper and safe use of the device and are able to understand the risks connected to it.
- Children must not play with the device. Children may only clean and maintain the device if they are supervised.
- Children under 3 years must be kept away from the device, unless they are supervised continuously.
- Children aged between 3 and 7 years may only switch the device on and off if it has been placed or installed in a normal operation position and if they are supervised or have been instructed concerning the safe use of the device and are able to understand the risks connected to it.



 **Warning!**

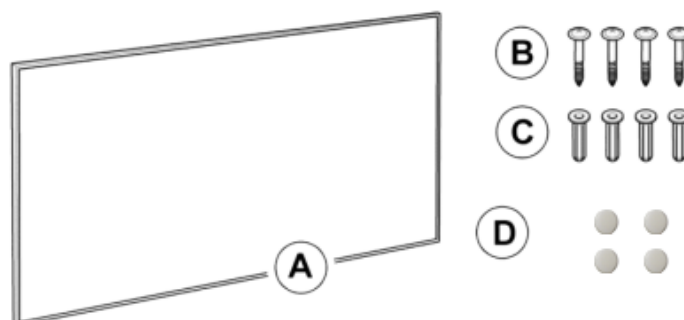
- Do not use the device in small rooms with persons present who are not able to leave the room on their own and are not supervised continuously.
- Certain components of the device can become very hot and cause burns. Pay special attention in case children or needy persons are present.
- It is dangerous to install the device near curtains and other flammable materials. To avoid burns, the following persons should be very careful when using the device: babies and children, persons with sensitive skin, old persons, sick persons, persons being under the influence of alcohol or medicine.
- Remove the protective film (on the front part) before use.
- Make sure that the input voltage is comprised between 220–240 V, 50 Hz and that the power supply is made according to the regulations. Make sure that the left wire is zero and the right one live and that the device is well earthed.
- The devices consume more energy than small electric devices; therefore, a separate 10 A+ socket is required.
- Do not operate this device in areas exposed to explosion hazards.
- Install the device in an upright and stable position.
- Let the device dry off after cleaning it with a damp material. Do not operate it as long as it is wet.
- Do not use the device with your hands being damp or wet.
- Do not expose the device to direct water splashes.
- Do not insert objects or parts of your body into the device.
- Do not cover the device nor transport it during operation.
- Do not sit on the device.
- This product is not a toy! Keep children and animals away. Do not leave the device unsupervised during its operation.
- Check all accessories and connection parts before every use to know if they are intact. Do not use the device if it has damaged parts.
- Make sure that all electric cables outside the device are protected against damages (e.g., caused by animals). Do not use the device if electric cables or the electric connection are damaged!
- The electric connection must meet the indications of the section “Technical data.”
- Only plug the mains plug into a socket that is correctly earthed.
- Do not use the device if the socket or cable are overcharged.
- When using an extension cable, keep in mind the power consumption of the device, the length of the cable, and the intended purpose. Completely unroll the extension cable and avoid electric overcharges.
- Before performing maintenance, care, or repair of the device, unplug the plug. Do not pull the power cable to unplug the plug from the power socket.
- Switch the device off and pull the plug out of the socket when the device is not in use.
- Never use the device if you detect damages to the plug or cable. If the cable is damaged, a qualified person must replace it to avoid any danger. Damaged cables cause serious risks.
- When installing the device, respect the minimum distances to the wall and other objects and the conditions of operation as stated in the “Technical data” section.
- Never drill into the heating panel.
- Do not use the device in direct proximity to curtains.
- Do not place the device on a flammable surface.
- During operation, do not touch the surface of the device to avoid burns.
- Before transporting and/or inspecting the device, wait for it to cool down.
- Do not use the device near bathtubs, showers, swimming pools, or water tanks. There is the risk of an electric shock!
- The device must be installed so that persons in a bathtub or under a shower cannot touch any switch of regulator.
- Heating panels installed to a wall must be at a height of more than 0.6 m.
- Heating panels installed to a ceiling must be at a height of more than 1.8 m.

Technical specifications

Heating element	Carbon crystal
Heating type	Remote infrared heating
Input voltage (V/Hz)	220–240 / 50
Surface temperature (°C)	mostly 80–100
Frame	Aluminium
IP code	IP54 (without plug)
Protection against excessive temperature	Yes
Length of mains cable (m)	1.9

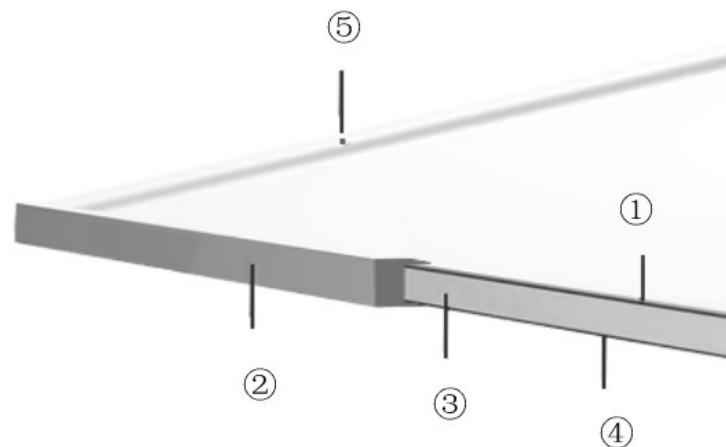
Model	Power (W)	Current (A)
64930	290	1.3
64931	350	1.5
64932	400	1.7
64933	520	2.3
64934	700	3.0
64935	850	3.7
64936	1050	4.6

Scope of delivery



Letter	Name	Quantity
A	Heating panel	1
B	Screws	4
C	Dowels	4
D	Rubber plug	4

Assembly

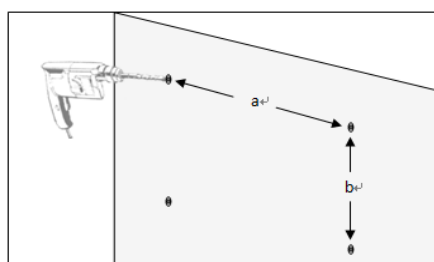


No	Name
1	Heating layer
2	Aluminium frame
3	Insulating layer
4	Aluminium foil fabric
5	Mounting hole

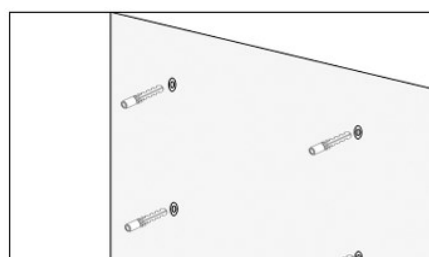
Installation

Make sure to remove the protective film from the front.

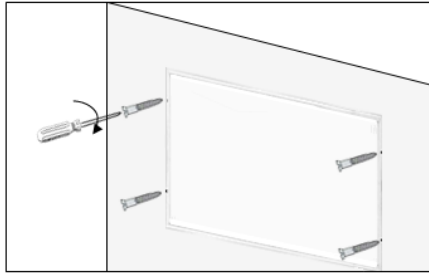
1. Bring the panel to the correct position and mark the holes of the frame. Drill four holes in a wall or ceiling using a 6-mm rotary drill. Make sure that the positions of the holes are correct.



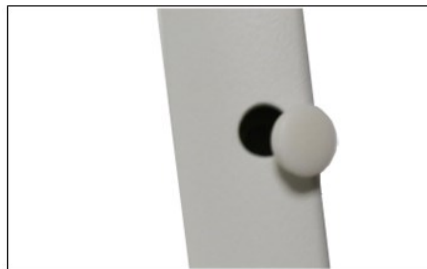
2. Plug the dowels into the holes.



3. Stick the screws through the fixation holes of the front plate and screw them into the dowels.



4. Cover the open holes with the rubber plugs.



Troubleshooting chart

Problem	Possible cause	Proposed solution
The device makes noises when charged with electricity.	Structural tension of the insulating material	This is a normal behaviour.
The surface of the device has slightly risen.	Thermal expansion of the surface material	This is a normal behaviour.
The surface of the device is a bit warm.	1. Voltage too low 2. Low ambient temperature	1. Install voltage regulator. 2. This is a normal behaviour.

Cleaning and maintenance

Actions to be taken before maintenance

Voltage warning!

- Do not touch the device with your hands being damp or wet.
- Hold the plug while pulling the cable out of the socket.
- Wait for the product to completely cool down.

Attention! Works that involve opening the device may exclusively be done by an authorised specialist.

Cleaning the device

Voltage warning!

- Never immerse the device into water!
- Clean the device with a soft, damp, and lint-free cloth.



- Make sure that no humidity penetrates into the casing. Protect the electric components against humidity.
- Do not use aggressive detergents such as cleaning sprays, solvents, alcoholic detergents, or abrasive substances to dampen the cloth.
- After cleaning, wipe the device dry.

Storage

When not in used, the device must be stored under the following conditions:

- Store in a dry place away from frost and heat!
- Store in upright position and away from dust and direct sunlight! Store covered, if necessary, to avoid the dust penetrates into the device!
- Store without any other devices or objects standing on the device to avoid damages!

Information requirements for models with remote thermostat

Model	Nominal heat output P_{nom} (kW)	Min. heat output (indicative) P_{min} (kW)	Max. continuous heat output $P_{max.c}$ (kW)	At nominal heat output $e_{l_{nom}}$ (kW)	At minimal heat output $e_{l_{min}}$ (kW)
64930	0.29	0.29	0.29	N/A	N/A
64931	0.35	0.35	0.35	N/A	N/A
64932	0.4	0.4	0.4	N/A	N/A
64933	0.52	0.52	0.52	N/A	N/A
64934	0.7	0.7	0.7	N/A	N/A
64935	0.85	0.85	0.85	N/A	N/A
64936	1.05	1.05	1.05	N/A	N/A

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

Description	Unit
Manual heat charge control, with integrated thermostat	No
Manual heat charge control with room and/or outdoor temperature feedback	No
Electronic heat charge control with room and/or outdoor temperature feedback	No
Fan assisted heat output	No

Type of heating power/room temperature control (select one)

Description	Unit
Single stage heat output and no room temperature control	No
Two or more manual stages and 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	Ja



Other control options (multiple selections possible)

Description	Unit
Room temperature control with presence detection	No
room temperature control with open window detection	No
With distance control option	Yes
With adaptive start control	No
With working time limitation	Yes
With black bulb sensor	No

Regulations for waste disposal

The Waste Electrical and Electronic Equipment Directive (WEEE Directive, 2012/19/EU) of the EU was implemented in the German law related to electrical and electronic equipment and appliances.

All WilTec electric devices that fall under the WEEE directive are labelled with the symbol of a crossed-out wheeled rubbish bin. This symbol indicates that this electric device must not be disposed of with the domestic waste.

WilTec Technik GmbH is registered with the German registration authority EAR (Stiftung Elektro-Altgeräte Register) under the WEEE-registration number DE45283704.

Disposal of used electrical and electronic devices (intended for use in the countries of the European Union and other European countries with a separate waste collection system for these devices).

The symbol on the packaging or the product itself indicates that this product must not be treated as normal domestic waste but must be disposed of at a recycling collection station for electrical and electronic waste.

By disposing of this product correctly, you contribute to the protection of the environment and the health of your fellow people. Inappropriate disposal threatens the environment and health.



Material recycling helps to reduce the consumption of raw materials.

Additional information about the recycling of this product can be provided by your local commune, the municipal waste disposal facilities, or the store where you purchased the product.

Address:
 WilTec Wildanger Technik GmbH
 Königsbenden 12 / 28
 52249 Eschweiler Germany

Important note:

Reproduction and any commercial use (of parts) of this operating manual, requires a written permission of WilTec Wildanger Technik GmbH.