

INFRARED HEATER INSTRUCTION MANUAL



SYMBOLS



Warning

This signal word indicates a hazard with an average risk level which, if not avoided, can result in serious injury or death.



Warning of electrical voltage

This symbol indicates dangers to the life and health of persons due to electrical voltage.

| Symbols | Meaning |
|---------|---|
| | <p>This symbol located on the device indicates that it is prohibited to place objects (such as towels, clothes etc.) above or directly in front of the device.</p> <p>In order to avoid overheating and fire hazards, the device must not be covered.</p> |
| | <p>This symbol located on the device indicates dangers to the life and health of persons due to hot surface.</p> |
| | <p>This symbol located on the device indicates that it is prohibited to spray the device.</p> |
| | <p>This symbol located on the device and information marked indicates that operating manual must be observed.</p> |

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1 | WARNING & PRECAUTION

Read this manual carefully before starting or using the device. Always store the manual in the immediate vicinity of the device or its site of use!

Read all safety warnings and all instructions.

Failure to follow the warnings and instructions may result in electric shock, fire and / or serious injury. Save all warnings and instructions for future reference.



Warning

Do not mount those devices designed for wall only to ceiling !
Do not mount those devices designed for ceiling only to wall !
Or else it might cause over heat and burning.



Warning

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.



Warning

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.



Warning

Do not use the device in small rooms if persons are present who cannot leave the room independently and who are not under constant supervision.



Warning

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. Its dangerous of installation close to curtains and other combustible materials. To avoid the possibility of burns, the following people should be much more careful when using the heaters: infants and kids, people with sensitive skin, the old, the sick, people who is drunk, people who takes sleeping pills.

- Remove all the protective films(both on the front and on the back) before using.
- Be sure the input voltage is 220-240V, 50Hz, and power supply has been strictly in accordance with IEC, left is null wire and right is live wire, and also well grounded.
- The devices will draw more current than small appliances, so a separate 15A socket is required.
- Do not use the device in potentially explosive rooms.
- Do not use the device in aggressive atmosphere.
- Set the device up in an upright and stable position.
- Let the device dry out after a wet clean. Do not operate it when wet.
- Do not use the device with wet or damp hands.
- Do not expose the device to directly squirting water.
- Never insert any objects or limbs into the device.
- Do not cover or transport the device during operation.
- Do not sit on the device.
- This appliance is not a toy! Keep away from children and animals. Do not leave the device unattended during operation.
- Check accessories and connection parts for possible damage prior to every use of the device. Do not use any defective devices or device parts.

- Ensure that all electric cables outside of the device are protected from damage (e.g. caused by animals). Never use the device if electric cables or the power connection are damaged!
- The electrical connection must correspond to the specifications in chapter technical data.
- Insert the mains plug into a properly secured mains socket.
- Do not use the device when the socket or wire overloaded.
- Observe the device's power input, cable length and intended use when selecting extensions to the power cable. Completely unroll extension cables. Avoid electrical overload.
- Before carrying out maintenance, care or repair work on the device, remove the mains plug from the mains socket. Hold onto the mains plug while doing so.
- Switch the device off and disconnect the power cable from the mains socket when the device is not in use.
- Do not under any circumstances use the device if you detect damages on the mains plug or power cable. If the supply cord is damaged, it must be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard. Defective power cables pose a serious health risk.
- During the installation of the device observe the minimum distances from walls and other objects as well as the storage and operating conditions specified in the Technical data chapter.
- Never drill into the heating device.
- Do not use the device in immediate proximity to curtains.
- Do not place the device on combustible ground.
- Do not transport the device during operation.
- Do not touch the surface during the device working to avoid burns.
- Allow the device to cool down before transport and / or maintenance work.
- Do not use this device near bathtubs, shower trays, swimming pools or other water containers. Risk of electric shock!
- The device must be placed where the switches and controllers cannot be touched by a person in a bathtub or shower.
- Do not use this device in a child-care centre and bathroom.(Only for Sweden)

2 | FEATURES

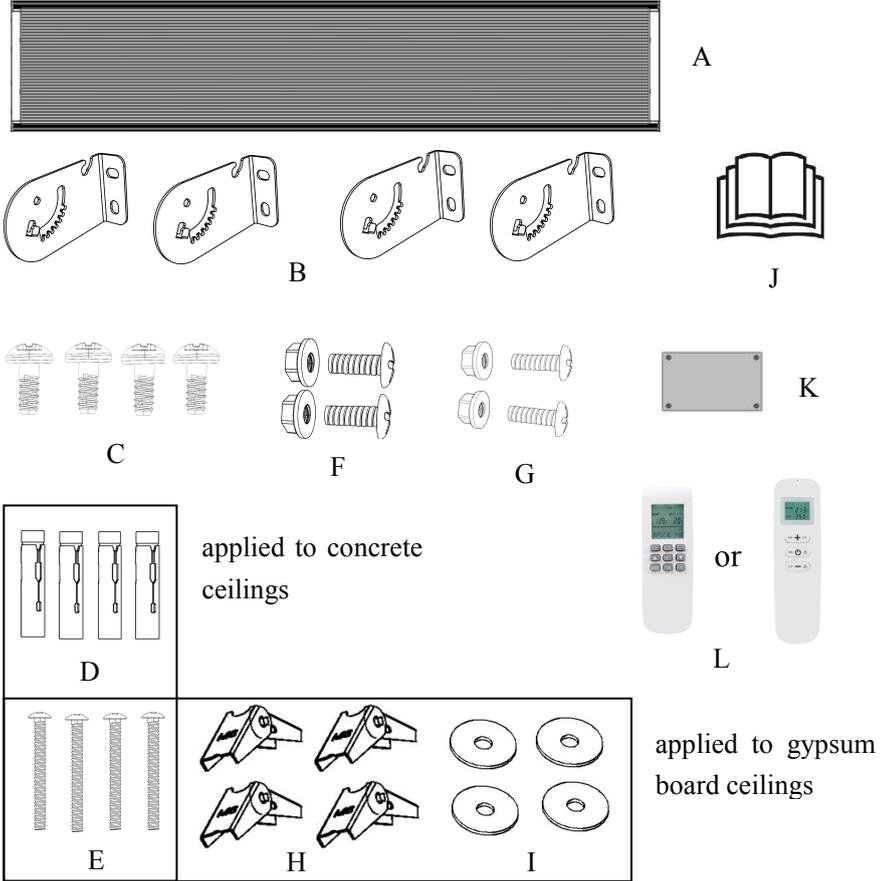
- The device is designed to provide an efficient, comfortable and healthy heating system for any domestic users.
- These devices can reduce air circulation and help to maintain a clean, silent, dust free environment.
- A wide range of devices available in a huge choice of colors, sizes and styles.

3 | TECHNICAL INFORMATION

| | |
|---------------------|---|
| Heating element | Stainless steel heating tube |
| Surface Material | Aluminum with graphene coating |
| Back Material | Aluminum Sheet |
| Input Voltage | AC 220-240V/50Hz |
| Surface temperature | 330-350°C |
| Power cord length | 1.9m |
| Color | White/Black |
| Optional | Built in remote thermostat or built in WIFI & remote thermostat |

| Model NO. | Size (mm) | Power (W) |
|---|--------------|-----------|
| WGTa-CG0602 | 636*220*110 | 1000 |
| WGTa-CG0802 | 896*220*110 | 1500 |
| WGTa-CG1002 | 1036*220*110 | 1800 |
| WGTa-CG1202 | 1316*220*110 | 2400 |
| WGTa-CG1502 | 1586*220*110 | 3000 |
| <p>W=null/I(“null” indicates no temperature control; “I” indicates that it has built-in temperature control)</p> <p>a=1/2(1=Remote thermostat; 2=WIFI and remote thermostat)</p> | | |

4 | SCOPE OF SUPPLY



| | |
|---|------------------------------------|
| A: Infrared heater ×1 | B: Articulating brackets ×4 |
| C: Phillips round-head screws ×4 | D: Metal expansion tubes ×4 |
| E: Phillips flat head screws ×4 | F: Flange nut kits ×2 (M5) |
| G: Flange nut kits ×2 (M3) | H: Spring Toggles x 4 |
| I: Washers x 4 | J: Manual ×1 |
| K: Drilling template ×1 | L: Thermostat × 1 |

Tips: D and E are applied to concrete ceilings, whereas H, I and E are used on gypsum board ceilings.

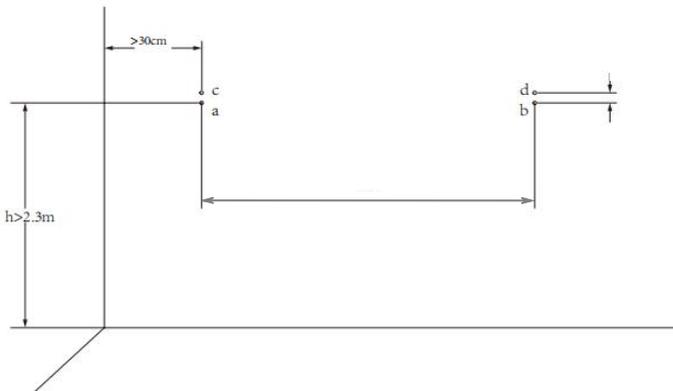
5 | INSTALLATION

Make sure remove all the protective films(both on the front and back)!

Instruction for Wall Mounting

1. Secure the mounting template onto the wall, accurately identifying the corresponding hole positions, and mark the hole locations on the wall for drilling purposes. (Alternatively, you can determine the drilling positions by measuring the distances ab and ac.)

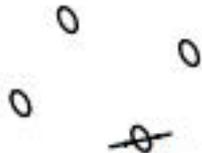
Note: Install the device at least 2.3m above the floor.



2. Drill 4×10mm holes at the marked positions.

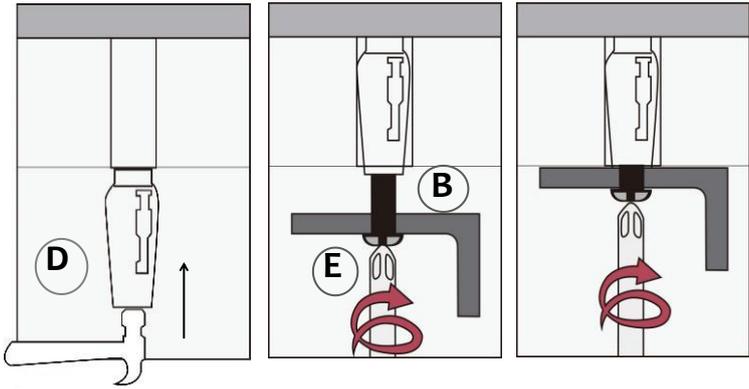


Excessive drilling diameter is strictly prohibited !

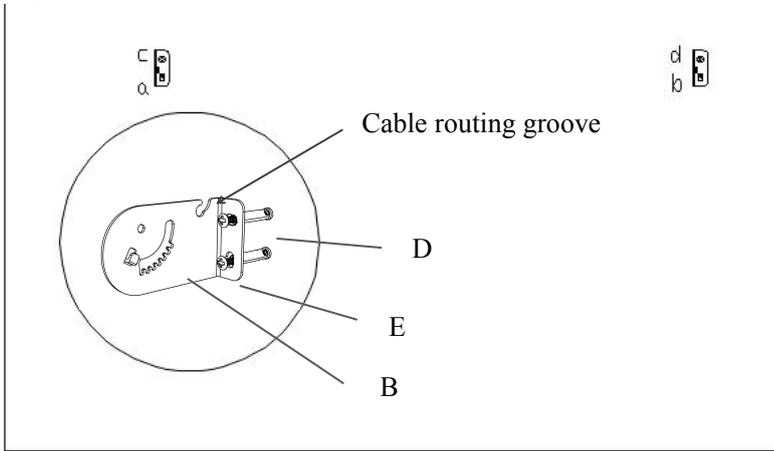


$\Phi 10mm$

3. Insert the metal expansion tubes(D) into the drilled holes.
4. Thread the screw(E) through the holes in the two articulating brackets(B), then secure them into the metal expansion tubes(D).



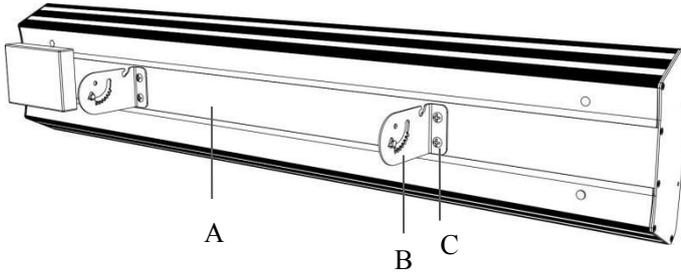
The expanding nut goes into the inside of the hole, it is strictly prohibited to install it in reverse!



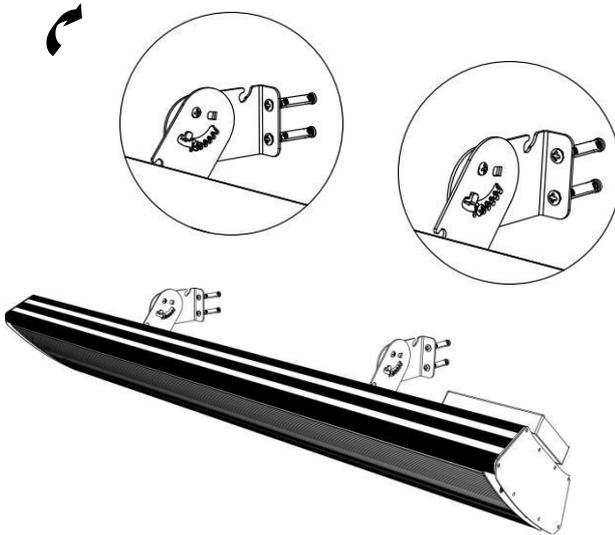
Note: The cable routing groove on the brackets(B) should face upward.

- Align the two articulating brackets (B) with the pre-drilled holes (A) on the back of the device, ensuring that both brackets are oriented in the same direction. Secure each bracket firmly using screws (C).

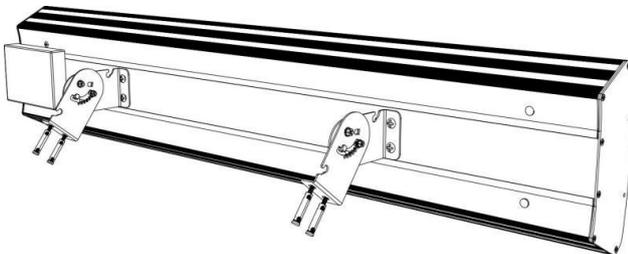
Note: The cable routing groove on the brackets(B) should face upward.



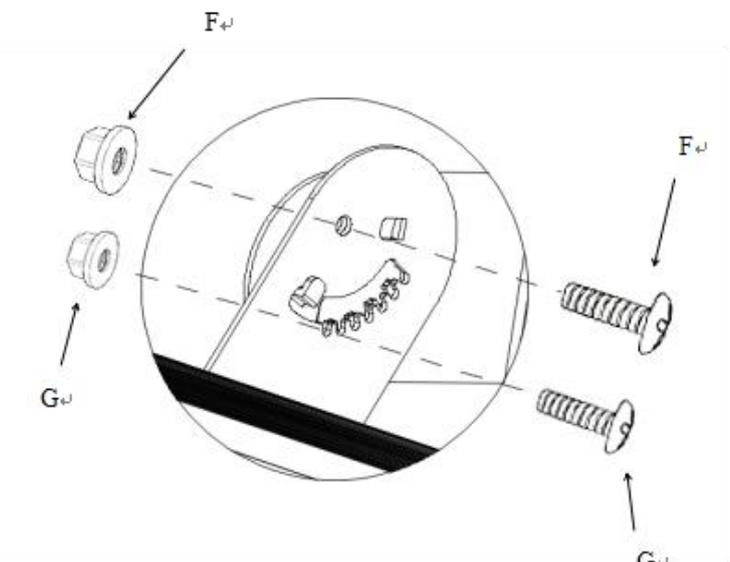
6. Interlock the hanging tabs on the two articulating brackets (B) attached to device (A) with the hanging tabs on the corresponding two brackets (B) on the wall. Pass them through the slotted holes and secure them firmly. Afterward, gently shake the unit to ensure there is no detachment.



7. Securely engage them through the slotted holes, enabling slight rotational adjustments of the product to different positions.



8. Insert the flange nut kits(F) through the pivot hole, securing it with a nut. Next, pass the flange nut kits(G) through the U-shaped groove, adjust it to the desired angle, and secure it by tightening the nut.



Instruction for Ceiling Mounting

Before starting the installation, please 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

For the installation method of concrete ceiling, please refer to the wall mounting installation description above.

b. Gypsum boards ceiling Installation

1. Following Step 5 in the wall mounting installation method, secure the articulating bracket onto the back of the product.

2. Following Step 1 in the wall mounting installation method, mark the drilling positions.

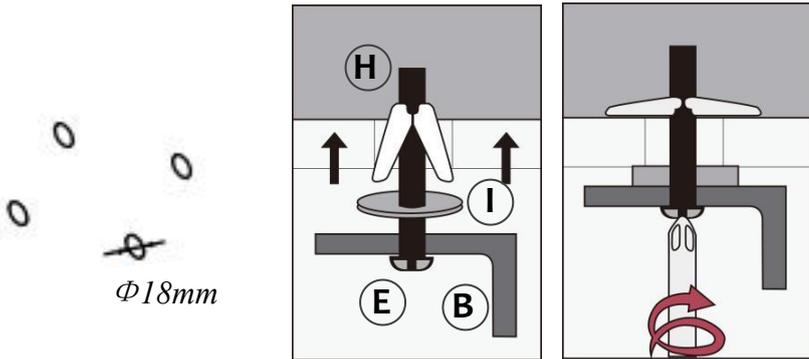
3. Drill 4×18mm holes at the marked positions.



Excessive drilling diameter is strictly prohibited !

4. Thread the screws (E) through the hole in the articulating bracket (B), the washer (I), and the spring toggle (H). Then insert the spring toggle into the pre-drilled hole.

Note: The cable routing groove on the brackets(B) should face upward.



5. Tighten the screws.

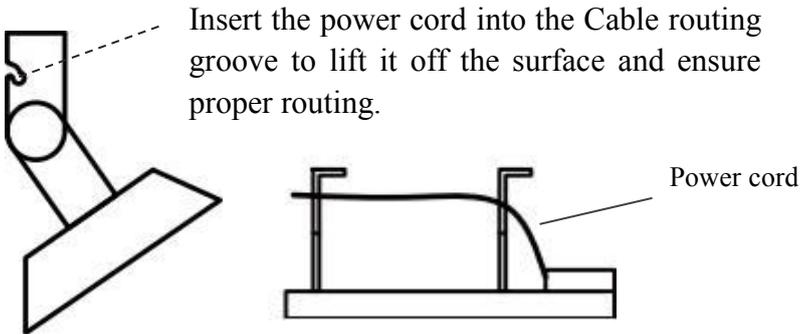
6. Following Step 6, 7 and 8 in the wall mounting installation method, securely affix the infrared heater to the wall, completing the installation.



WARNING:

- *To mitigate errors, please measure all dimensions before proceeding with the installation.*
- *Install this product at a minimum height of 2.3 meters above the ground level.*
- *The articulating brackets must be securely fastened with bolts before connecting the heater to the fixed electrical circuit.*
- *The heater must be installed within a distance of less than 190cm from a properly grounded outlet. Do NOT use an extension cord.*

Power Cord Placement Tip:



Do not place the power cord on the back of the product!

6 | OPTIONAL CONTROL MODES

This product has 3 control modes to choose from

| | |
|---|---|
| A | Heating is activated automatically once the device is powered |
| B | With built-in remote thermostat control mode |
| C | With built-in WIFI and remote thermostat control mode |

Please check more details in the additional page.

7 | TROUBLESHOOTING

| Problem | Reason | Measure |
|---|--|---|
| It has noise when original charged with electricity | Due to the structure stress of the heat insulator. | It is a normal phenomenon. Don't worry about it. |
| The surface of the device was slightly raised. | Due to the thermal expansion of the surface material. | It is a normal phenomenon. Don't worry about it. |
| The surface of the heating device is slightly warm. | 1. The voltage is low. 2. In a low-temperature environment. | 1. Install a voltage regulator. 2. It is normal. |

8 | MAINTENANCE & SERVICING

Activities required before starting maintenance



Warning of electrical voltage

Do not touch the mains plug with wet or damp hands.

- Hold onto the mains plug while pulling the power cable out of the mains socket.
- Allow the device to cool down completely.



Warning of electrical voltage

Tasks which require the housing to be opened must only be carried out by authorized specialist companies.

Cleaning the device



Warning of electrical voltage

Never immerse the device in water!

Clean the device with a soft, damp and lint-free cloth. Ensure that no moisture enters the housing. Protect electrical components from moisture. Do not use any aggressive cleaning agents such as cleaning sprays, solvents, alcohol-based or abrasive cleaners to dampen the cloth.

Wipe the housing dry after cleaning.

9 | TECHNICAL ANNEX

Information requirements for models with remote thermostat

| Model | Nominal heat output/ (P _{nom})/ (KW) | Minimal heat output (indicative)/ (P _{min})/ (KW) | Maximum continuous heat output/ (P _{max.c})/ (KW) | At nominal heat output/ (e _{lmax})/ (KW) | At minimal heat output/ (e _{lmin})/ (KW) |
|-------------|--|--|--|---|---|
| IGT1-CG0602 | 1 | 1 | 1 | N/A | N/A |
| IGT1-CG0802 | 1.5 | 1.5 | 1.5 | N/A | N/A |
| IGT1-CG1002 | 1.8 | 1.8 | 1.8 | N/A | N/A |
| IGT1-CG1202 | 2.4 | 2.4 | 2.4 | N/A | N/A |
| IGT1-CG1502 | 3 | 3 | 3 | N/A | N/A |

| Item | Unit |
|--|-------|
| 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 | [yes] |
| with distance control option | [no] |
| with adaptive start control | [no] |
| with working time limitation | [yes] |
| with black bulb sensor | [no] |
| self-learning functionality | [no] |
| control accuracy | [no] |

Information requirements for models with wifi thermostat

| Model | Nominal heat output/ (Pnom)/ (KW) | Minimal heat output (indicative)/ (Pmin)/ (KW) | Maximum continuous heat output/ (Pmax.c)/ (KW) | At nominal heat output/ (elmax)/ (KW) | At minimal heat output/ (elmin)/ (KW) |
|-------------|-----------------------------------|--|--|---------------------------------------|---------------------------------------|
| IGT2-CG0602 | 1 | 1 | 1 | N/A | N/A |
| IGT2-CG0802 | 1.5 | 1.5 | 1.5 | N/A | N/A |
| IGT2-CG1002 | 1.8 | 1.8 | 1.8 | N/A | N/A |
| IGT2-CG1202 | 2.4 | 2.4 | 2.4 | N/A | N/A |
| IGT2-CG1502 | 3 | 3 | 3 | N/A | N/A |

| Item | Unit |
|--|-------|
| 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 | [yes] |
| with adaptive start control | [no] |
| with working time limitation | [yes] |
| with black bulb sensor | [no] |
| self-learning functionality | [no] |
| control accuracy | [no] |

10 | STORAGE

When the device is not being used, observe the following storage conditions:

- dry and protected from frost and heat
- in an upright position where it is protected from dust and direct sunlight
- with a cover to protect it from invasive dust, if necessary
- Place no further devices or objects on top of the device to prevent it from being damaged.

11 | DISPOSAL



The icon with the crossed-out waste bin on waste electrical or electronic equipment stipulates that this equipment must not be disposed of with the household waste at the end of its life. You will find collection points for free return of waste electrical and electronic equipment in your vicinity. The addresses can be obtained from your municipality or local administration.

The separate collection of waste electrical and electronic equipment aims to enable the re-use, recycling and other forms of recovery of waste equipment as well as to prevent negative effects for the environment and human health caused by the disposal of hazardous substances potentially contained in the equipment.