



HERA+ EXTENSIA PRO

Assembly instructions

Brief description:

Radio underfloor heating bar (6-zone extension module) in combination with the Hera+ radio room thermostats/Hera Direct+ room thermostats and the Hera+ actuators. Optional connection of the Hera+ return temperature sensors. With digital hydraulic balancing. Also suitable for retrofitting. In conjunction with Gateway GT-100.

Up to 4 Hera+ Extensia PRO wireless underfloor heating bars can be connected to one Hera+ Primus PRO wireless underfloor heating bar.

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Registration of the radio underfloor heating bar

1.



Place the bar in a suitable place in the distributor.
Open the connection flap on the Hera+ Primus PRO or Hera+ Extensia PRO

2.



Insert the expansion plug on the bar

3.



The LED on the Hera+ Primus PRO bar lights up continuously
-> Connection successfully established

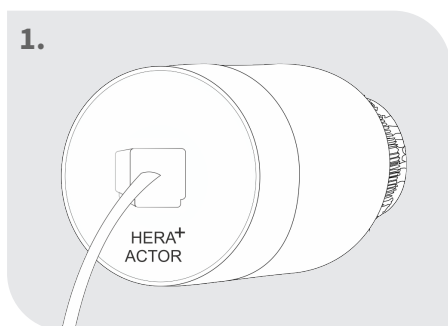
Notes:

- The registered ports (e.g. 7-12) can now be assigned at the thermostat or via app!
(More details in the respective description)
- Before connecting a Hera+ Extensia PRO bar, disconnect the power supply from the connected Hera+ Primus PRO bar!
Connect the Hera+ Extensia PRO and restore power to the Primus PRO! Please repeat the procedure for connecting additional Hera+ Extensia PRO bars.

Assembly and registration of the Hera+ wireless room thermostats

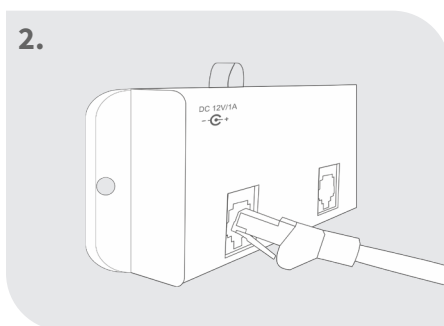
Connecting actuators to radio underfloor heating bar

1.



Plug the patch cable into the actuator

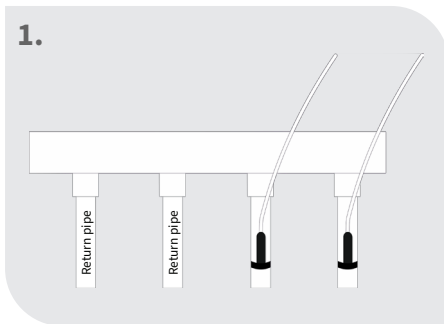
2.



Connect the patch cable to the desired port on the bar

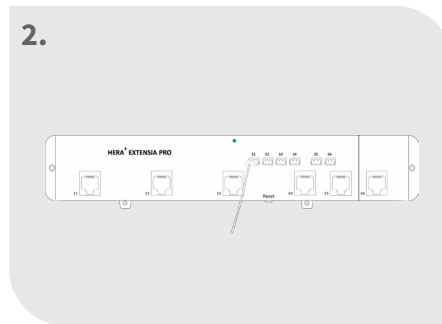
Connect return temperature sensor with radio underfloor heating bar

1.



Mount the return temperature sensor on the return pipe

2.



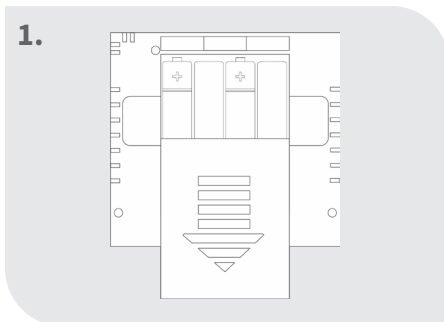
Connect the return temperature sensor to the desired slot on the bar

Note:

The return temperature sensors are required for a room with several circles. These ensure that there are no cold spots in the room. A return temperature sensor is required for each circuit in this room.

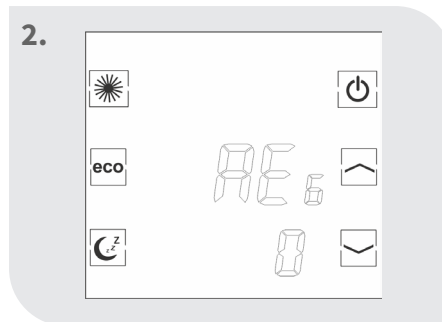
Register the Hera+ thermostat with the bar and assign a port

1.



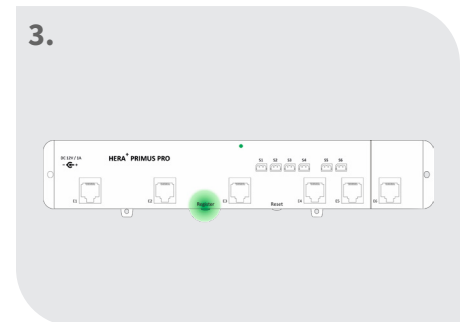
Insert batteries

2.



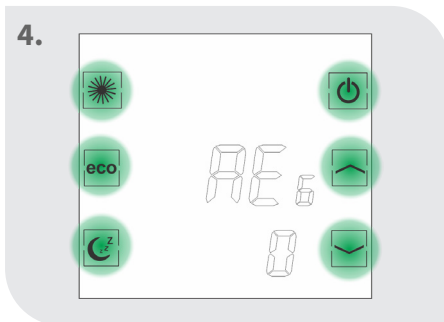
Thermostat shows "REG"

3.



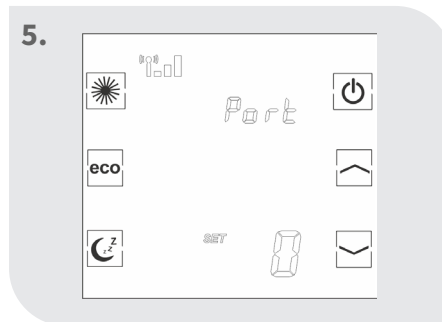
Press the "Register" button on the Hera+ Primus PRO bar

4.



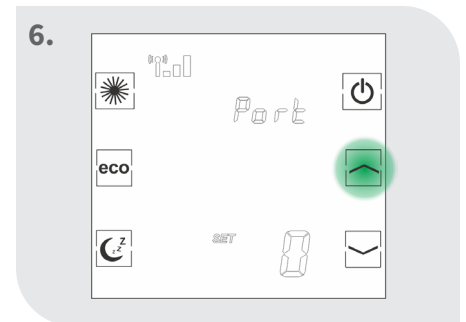
Press a button on the thermostat within 60 seconds

5.

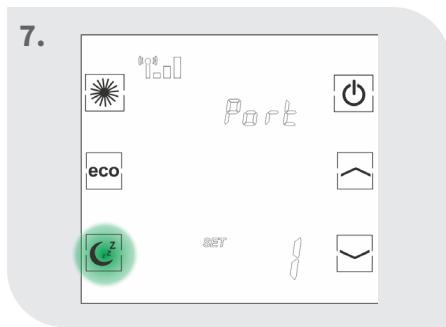


If the connection is successful, „Port 0“ appears

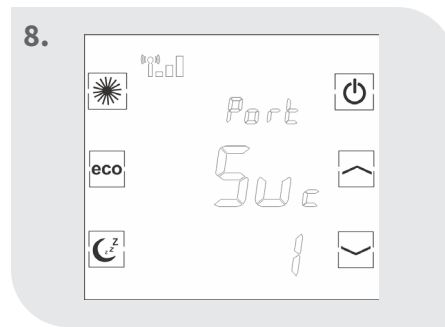
6.



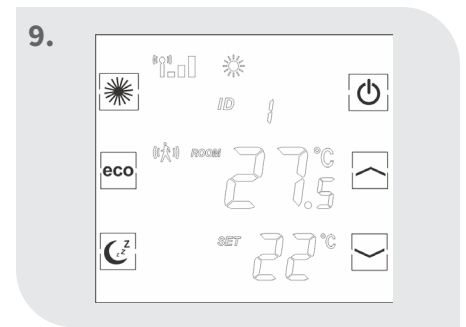
Use the arrow keys to select the desired port



7. Press the „Sleep“ button to confirm the port



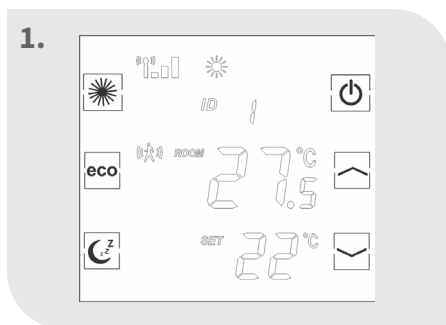
8. Thermostat shows „Suc“ -> Registration was successful



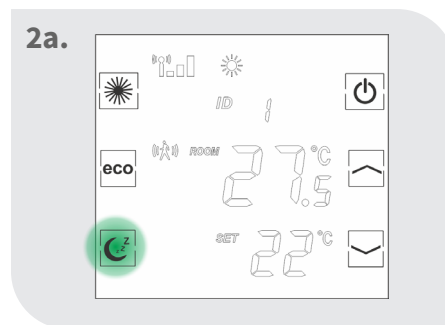
9. Thermostat shows the current room temperature etc.

If the registration for the Hera+ Extensia PRO bar fails, the screen continues to show “REG”. Press a button on the thermostat again and this will try to connect to the bar again. If the port on the Hera+ Extensia PRO radio underfloor heating bar is already occupied, the error message „FAi“ appears.

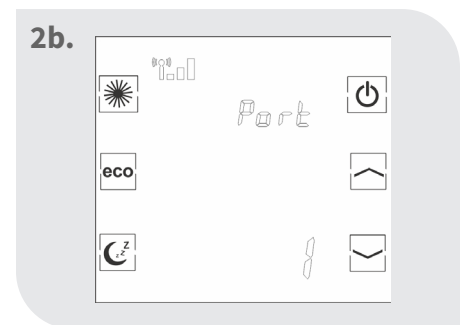
Assign multiple ports to a thermostat



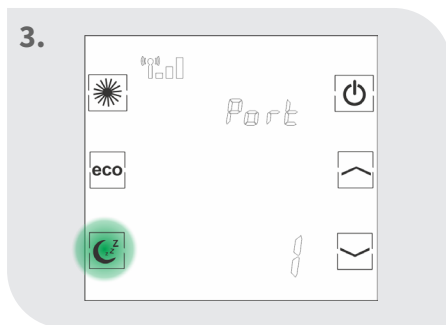
1. Thermostat shows the current room temperature etc.



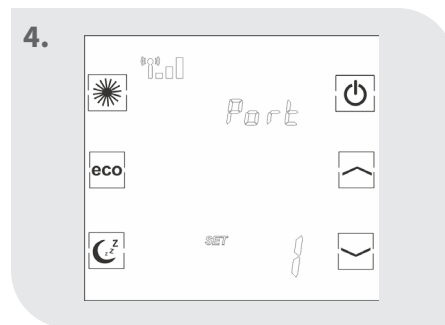
2a. Press the sleep button until the thermostat shows the last registered port



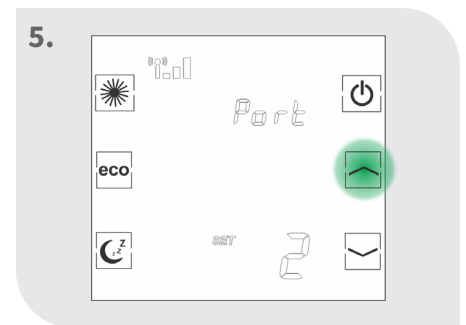
2b. Press the sleep button until the thermostat shows the last registered port



3. Press the „Sleep“ button again

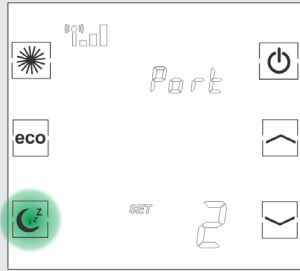


4. After a short time, „SET“ appears



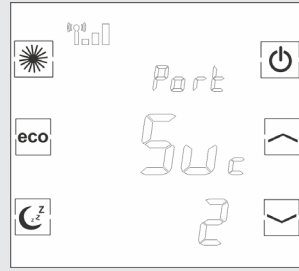
5. Use the arrow keys to select the desired port

6.



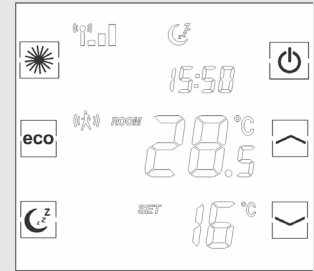
Press the „Sleep“ button to confirm the port

7.



Thermostat shows „Suc“ -> Registration was successful

8.



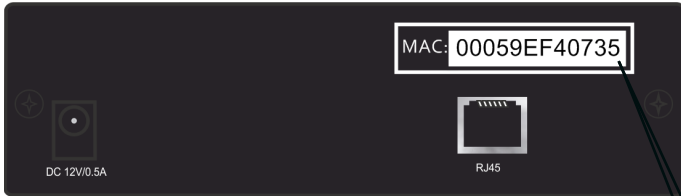
Thermostat shows the current room temperature etc.

Repeat these steps to assign several ports to one thermostat

Download of the blossomic App

The blossomic app is available for both iOS and Android. You can find the app by entering „blossomic“ in the App or Google PlayStore. Alternatively, you can scan the QR code below with your smart-phone. This leads you directly to the download page of the blossomic app.

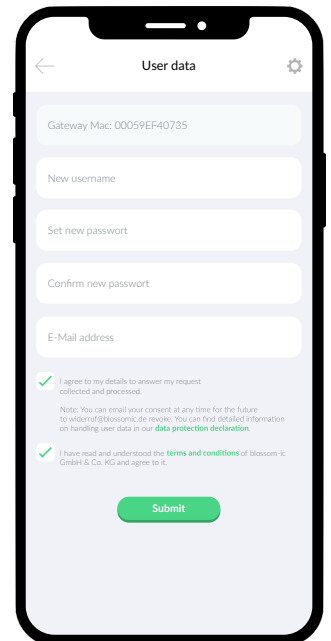
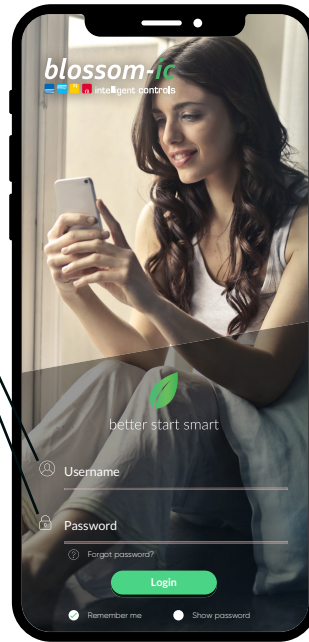
Set up the blossomic app



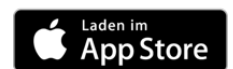
For the first registration, use the Mac address of the gateway (12 digits, attached on the back). The Mac address serves as a username and password.

After successful login, you have to assign individual access data.

As soon as you have assigned this data, all heating programs and other parameters can be set easily and conveniently via the app.



Automatic recognition of the IP address and automatic speech recognition. It is not necessary to set the winter and summer time or the date and time.



Important notice:

In order to guarantee the smooth functionality of all thermostats and devices as a unit, all components (including the devices that will be added later) must be registered via the gateway as described on page 5 (“Registration of the radiator thermostat”).

Technical data

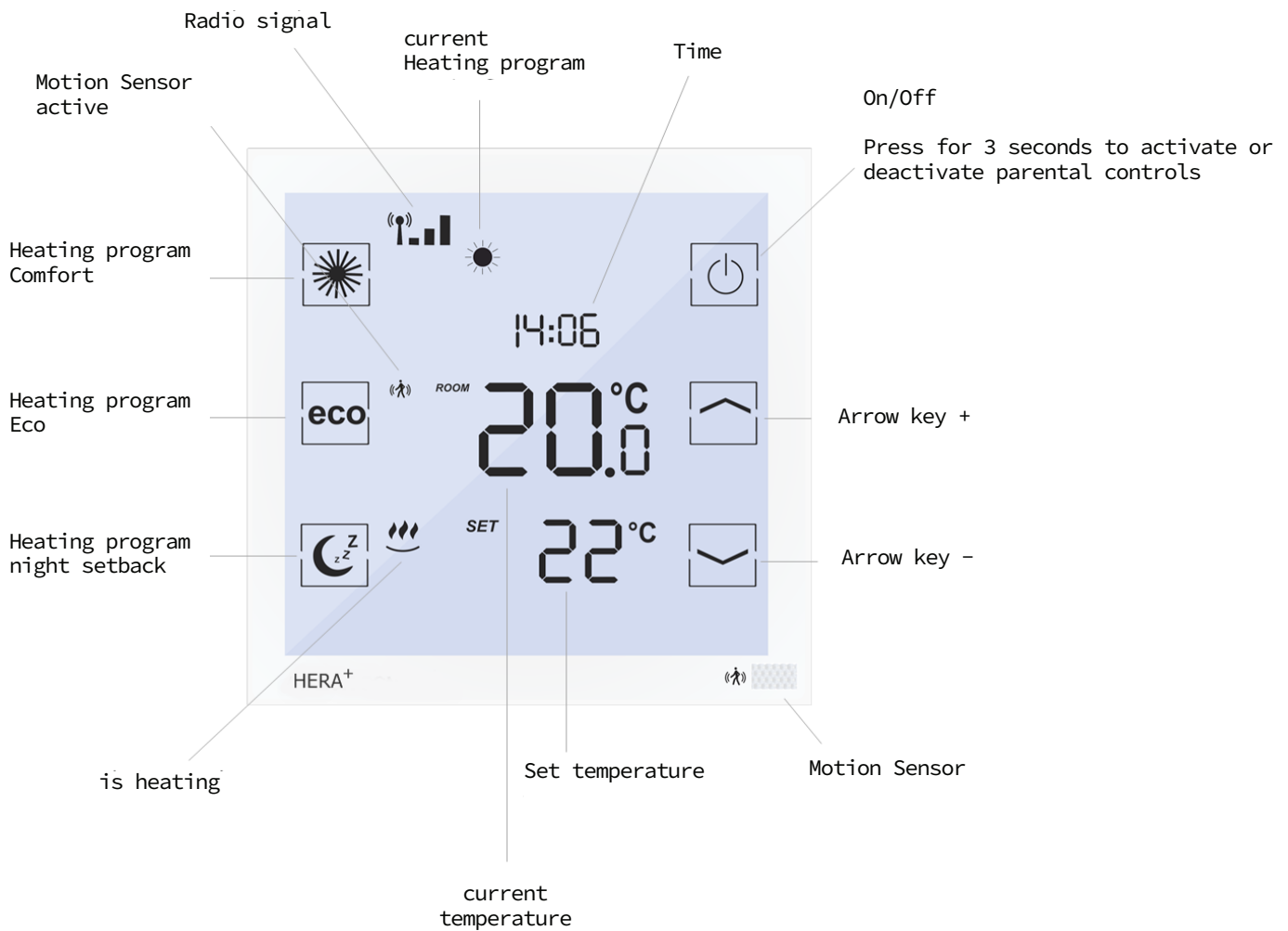
Technical data - Hera+ Extensia PRO

• Power consumption	Max.12 W (with 30 connected actuators)
• Dimension	L262 x W46 x H25 mm
• Operating voltage <small>(Primus PRO)</small>	DC 12 ~ 24V 1A
• Power supply	Is supplied by the Hera+ Primus PRO (basic module) Extension BUS Connector (5V)
• Connection port	Patch cable RJ11
• Protection class/type	IP30
• Expandable	Up to 4 Hera+ Extensia PRO with one Hera+ Primus PRO
• RF Test	RED 2014/53/EU
• CE	Available
• RoHS	Available

Technical data - Gateway GT-100 black

• Ambient temperature	0 ~ 50°C
• Operating voltage	DC 12V 1A
• Mains voltage	230 V AC / 50/60Hz
• Dimension	L113 x W73 x H35 (mm)
• Wireless frequency	2.4GHz, ISM Band, 16 channels
• Protection class/type	IP 30
• RF Test	RED 2014/53/EU
• CE	Available
• RoHS	Available
• Type of antenna	Monopole 2.4 GHz

Settings & key functions



Explanation of the heating programs



Comfort heating program

With the Comfort program you control your comfort temperature (factory set to 22 °). The desired temperature and program times can be conveniently set using the thermostat and the app. If the sensor is activated and no people are present within 30 minutes, the system lowers the temperature by 2 ° and switches to eco mode or night reduction after another 30 minutes (depending on the time of day). If the sensor detects a movement, the program immediately switches to comfort mode. If the sensor is deactivated (only possible via the app), the temperature remains constant until the next switching phase (eco or night reduction). You can also find detailed instructions in the app description.



Eco heating program

With the Eco program you can set the desired temperature for longer periods of absence (set to 12° in the factory). The desired temperature and program times can be conveniently set using the thermostat and the app. By pressing the Eco button on the thermostat, you can switch directly from Comfort mode to Eco mode. To do this, the motion sensor is deactivated for 10 minutes. If the sensor detects movement after 10 minutes, the program switches back to Comfort mode. If the sensor is deactivated (only possible via the app), the temperature remains constant until the next switching phase (Comfort or night setback). Detailed instructions can also be found in the app description.



Night Setback heating program

This program lowers the temperature at night to save energy (set to 16° at the factory). You can easily set the desired temperature and program time using the thermostat and the app. The motion sensor is deactivated during the night setback. By pressing the night setback button on the thermostat, you can switch directly from Comfort mode to night setback. When the sensor is deactivated (only possible via the app), the temperature remains constant until the next switching phase (Eco or Comfort). Detailed instructions can also be found in the app description.

Heating time setting

By pressing the night setback button on the thermostat twice, you can set the time at which morning comfort is to be activated. Set the desired time and confirm the setting by pressing the night setback button again. All settings of the heating programs and temperatures can be made easily and conveniently with the app. Detailed instructions can also be found in the app description.

Adjustment phase Hera+ System

In the first heat-up phases after commissioning, the valves are automatically adjusted and set by the Hera+ system. This process is repeated several times as required. This process allows the system to adapt to the individual conditions in the premises.

Settings via the thermostat

With a wake-up time (e.g. 7:00 a.m.), the heating phase begins at 7 a.m. The thermostat automatically switches to comfort mode. (The settings on the thermostat are optional. All settings for the heating programs and temperatures can be made easily and conveniently with the app) Please note: The Hera+ thermostats only control the individual rooms (temperature and times). Please note the times at which the boiler is set.

Further information

Note:	What is to be done?	Valve protection function:
When the batteries are empty and the thermostat switches off, the heating continues to operate in the last activated mode. Frost protection (6 °C) is activated to prevent the heating from freezing and the rooms from cooling down unintentionally.	To restore normal operation, please change the batteries immediately. The system has a memory function that automatically restores the heating program that was set last.	The system opens and closes the valves automatically once a week, thus ensuring that the valves do not get stuck or block.

Safety Instructions

Attention! Important notice:

Installation and assembly of electrical devices may only be carried out by a qualified electrician. Failure to observe the assembly and installation instructions can result in fire or other dangers.

Mounting on the valve

The Hera+ Actor fits all conventional distributors with a valve connection M 30 x 1.5 mm.

Declaration of conformity

Hereby blossom-ic GmbH & Co. KG hereby declares that the following product: Hera+ Extensia PRO HEPR-4060 is in compliance with the essential requirements and other relevant provisions of Directive 2014/53/EU. The complete declaration of conformity can be found at the following address: [www.blossomic.de/downloads Declaration of conformity](http://www.blossomic.de/downloads/Declaration%20of%20conformity).

Warning notice

The devices are not suitable for children and must not be used as toys. Store and dispose of packaging materials in a child-resistant manner. Do not disassemble the radio underfloor heating bar, as these do not contain any user-serviceable parts. If defects occur, please return the thermostat to the dealer. The Radio Underfloor Heating Panel can be used by children from the age of 8 years and by persons with reduced physical, sensory or mental abilities or lack of experience and knowledge, if they have been supervised or instructed in the safe use of the equipment and understand the resulting dangers. Children must not play with the radio-controlled underfloor heating bars. Cleaning and user maintenance must not be carried out by children without supervision.

Intended use

The Hera+ Extensia PRO radio-controlled underfloor heating bar is only suitable for controlling underfloor heating systems. The regulation of e.g. cooling circuits, radiators is not permitted and can lead to damage.



blossom-ic

 intelligent controls

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