



HERADIRECT+

Assembly instructions

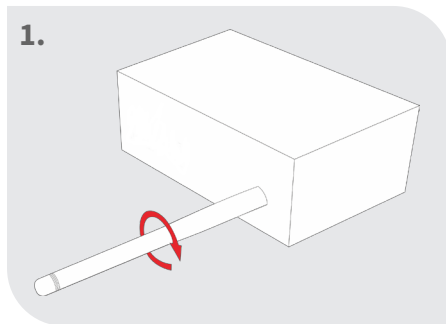
Brief description:

Flush-mounted room thermostat in combination with the Hera+ radio-controlled floor heating bars and the Hera+ actuators, for individual room control. Also suitable for controlling conventional actuators (directly wired). Enables precise control of underfloor heating using stepper motors. The blossom-ic technology determines and regulates the energy required for an ideal room temperature with digital hydraulic balancing. In combination with Gateway GT-100.

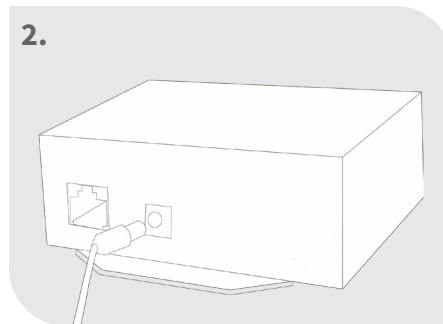
Contents...

Connection of the Gateway GT-100	3
In combination with Hera+ Primus PRO/ Hera+ Extensia PRO (Version 1).....	3
• Register the Hera Direct+ thermostat and assign port	3
• Assign multiple ports to a thermostat.....	5
In combination with conventional actuators (Version 2)	6
• Changeover and registration Hera Direct+ thermostat	6
Download of the blossomic App	7
Technical data.....	8
Settings & key functions	9
• Explanation of the heating programs.....	10
• Settings via the thermostat	10
• Reset to factory settings.....	10
• Further information	11
Safety instructions	11
Installation of the thermostat.....	11
Declaration of conformity.....	11
Warning notice	11
Intended Use.....	11

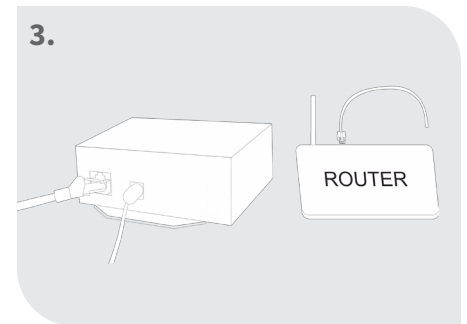
Connection of the Gateway GT-100



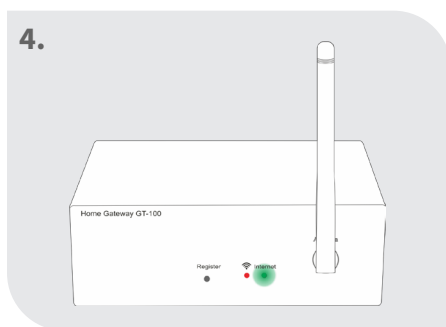
1. Screw on the antenna



2. Connect power supply unit



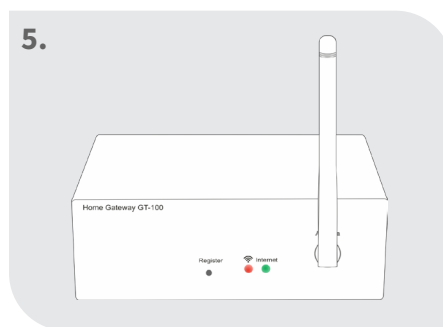
3. Connect the network cable



4. Check status

Green diode lights up constantly: Internet connection is establishing.

Green diode lights up constantly: Internet connection is successfully established



5. Both diodes light up permanently: Gateway active

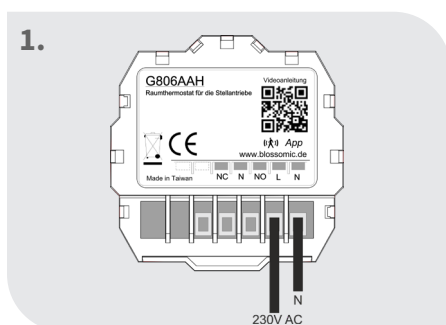
Hint:

Functionality in the home safe area. Internet connection is used for convenient setting and control via smartphone.

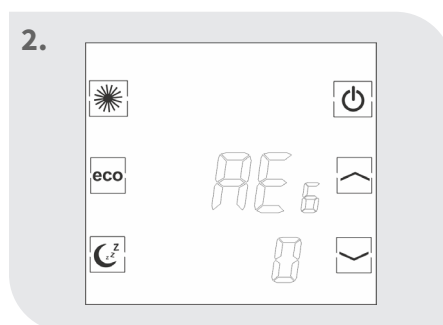
The system functionality is guaranteed even if no Internet connection is available.

In combination with Hera+ Primus PRO/ Hera+ Extensia PRO (Version 1)

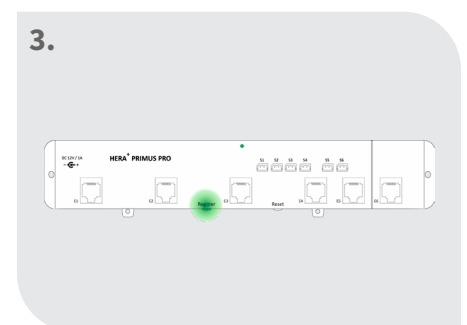
Register the Hera Direct+ thermostat and assign port



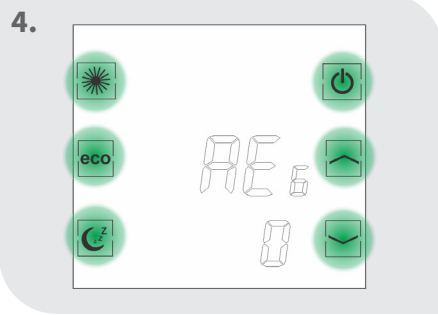
1. Wire the thermostat as shown in the connection diagram (230V)



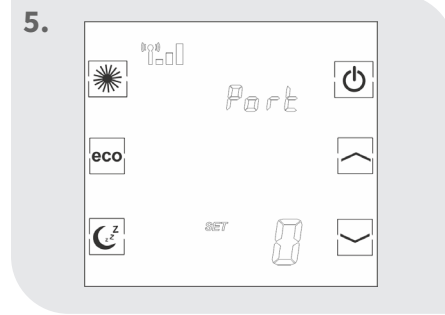
2. "REG" appears in the display



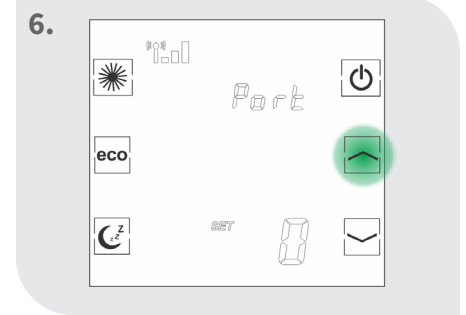
3. Press the "Register" button on the Hera+ Primus PRO bar



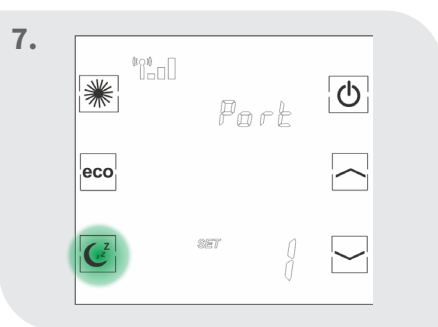
4. Press a button on the thermostat within 60 seconds



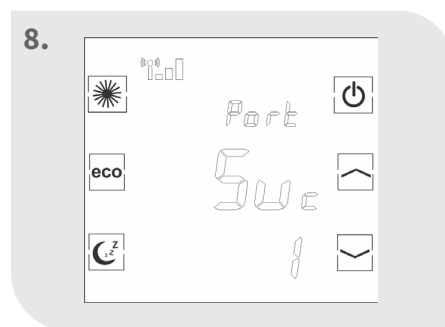
5. If the connection is successful, „Port 0“ appears



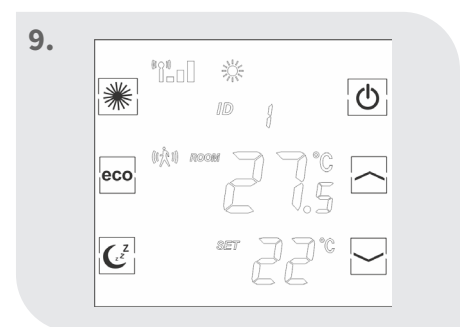
6. Use the arrow keys to select the desired port



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



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



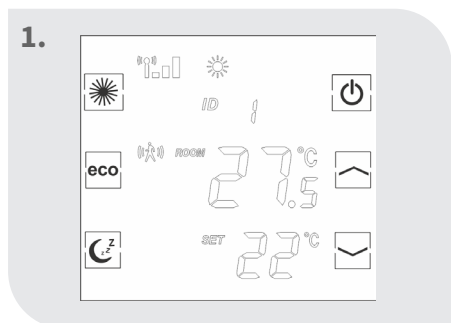
9. Thermostat shows the current room temperature etc.

If the registration fails, the screen will display “REG” again. Press a button on the thermostat again and the thermostat will attempt to reconnect to the bar.

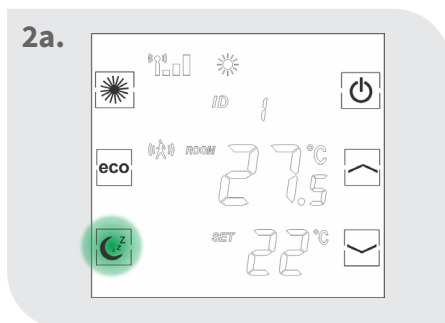
If the port on the Hera+ Primus PRO / Hera+ Extensia PRO wireless underfloor heating bar is already occupied, the error message “FAi” will appear.

(For the registration of the Hera+ Primus PRO bar with the gateway and the connection of the Hera+ actuators, please refer to the relevant installation instructions).

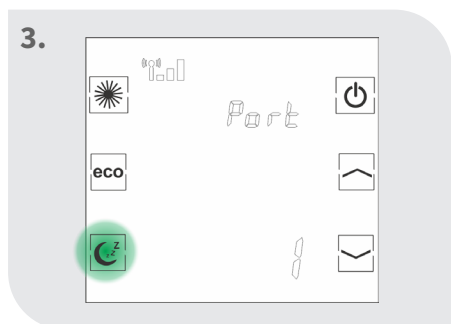
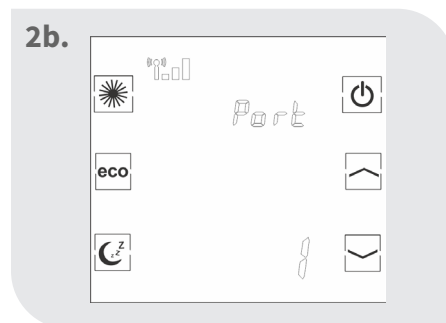
Assign multiple ports to a thermostat



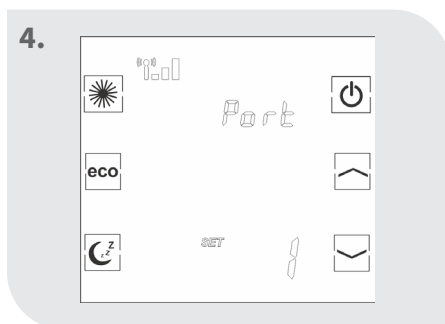
Thermostat shows the current room temperature etc.



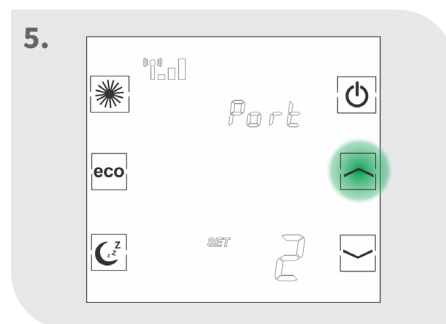
Press the sleep button until the thermostat shows the last registered port



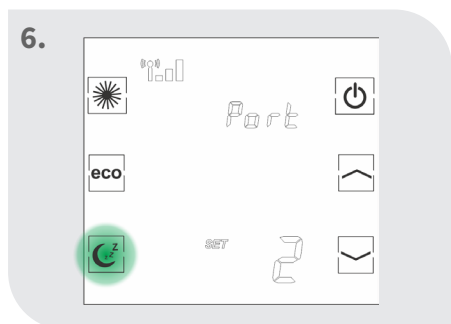
Press the „Sleep“ button again



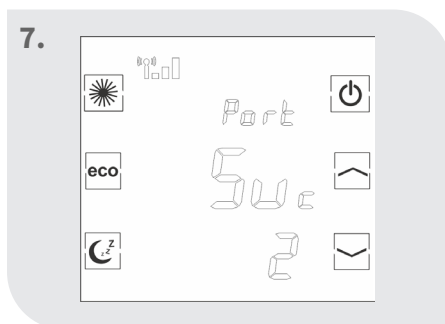
After a short time, „SET“ appears



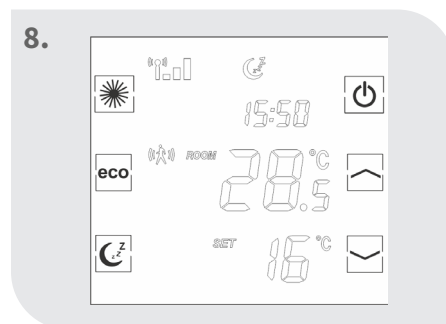
Use the arrow keys to select the desired port



Press the „Sleep“ button to confirm the port



Thermostat shows „Suc“ -> Registration was successful



Thermostat shows the current room temperature etc.

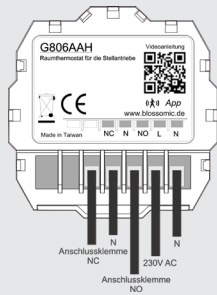
Repeat these steps to assign several ports to a thermostat.

The Hera Direct+ thermostat is supplied from the factory for use with the radio-controlled underfloor heating bars (Version 1) and must be converted for use with conventional actuators (Version 2).

In combination with conventional actuators (Version 2)

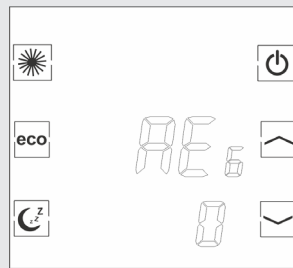
Changeover and registration Hera Direct+ thermostat

1.



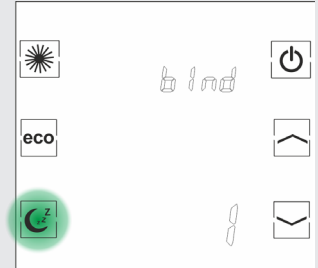
Wire the thermostat as shown in the connection diagram (230V)

2.



“REG” appears in the display

3.



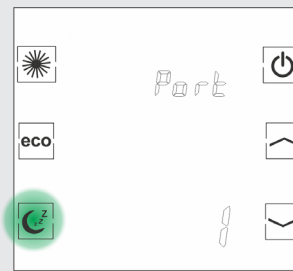
Press the Sleep button until the thermostat shows Port 1

4.



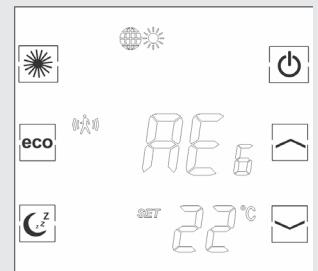
Select mode 4 “dirE” with the down arrow key

5.



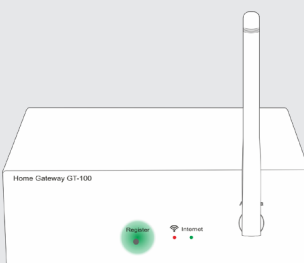
Press the Sleep button again

6.



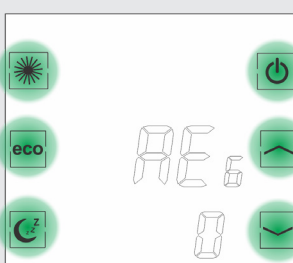
Thermostat must be registered again

7.



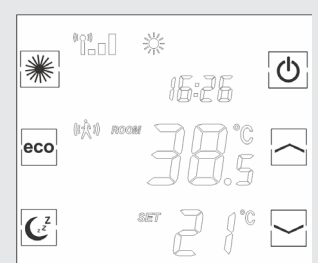
Press the register key on the gateway

8.



Press any button on the thermostat

9.



Hera Direct+ thermostat can be used with conventional actuators

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.

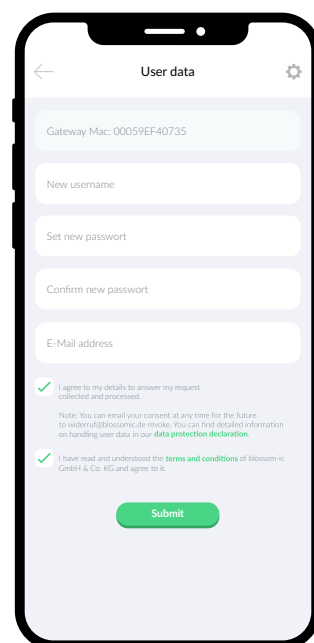
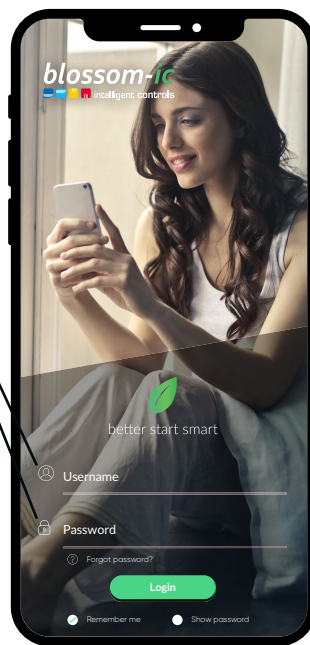
Set up the blossomic app



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

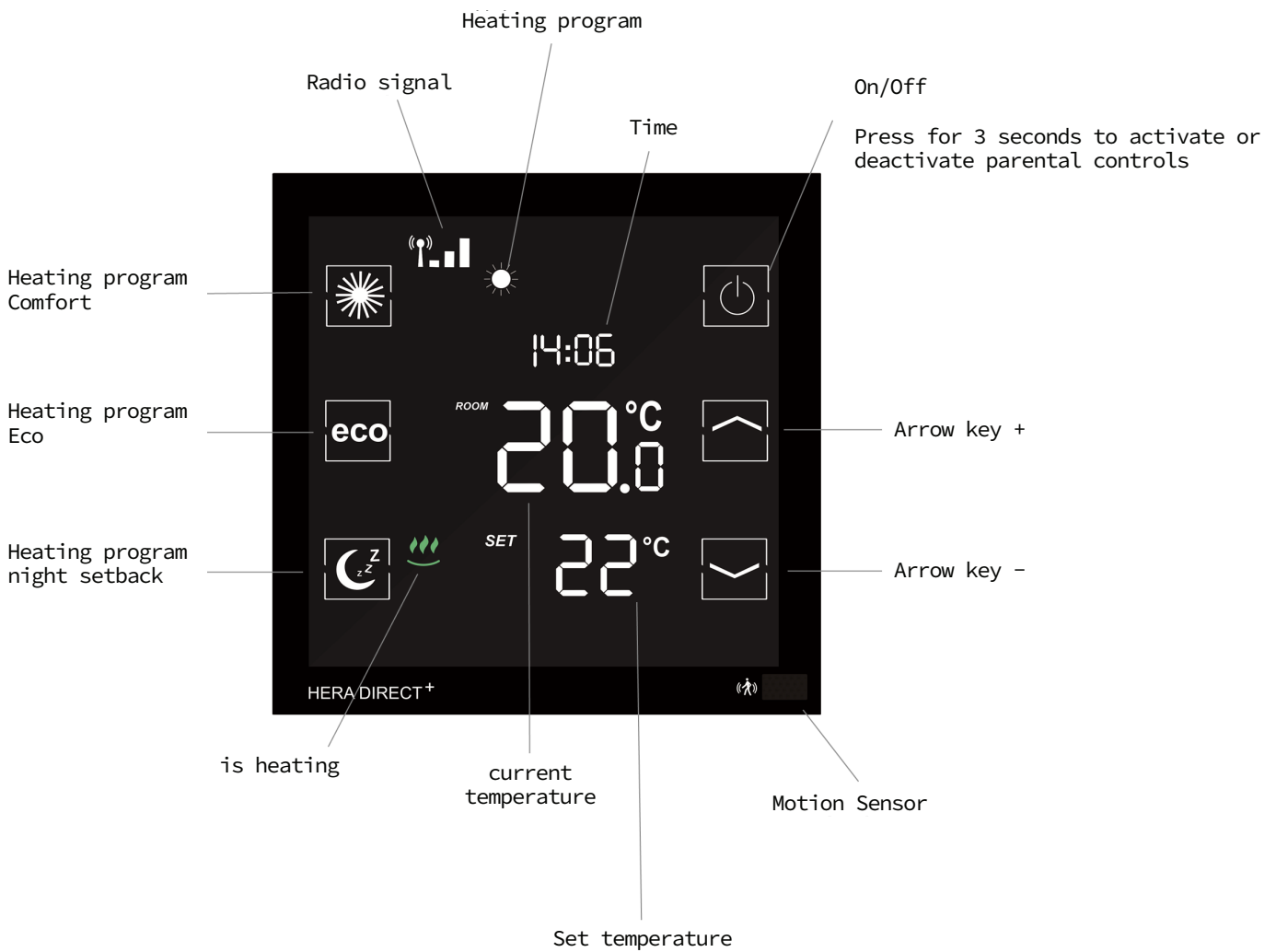
Technical data - Hera Direct*

• Sollwertbereich	6 ~ 30°C
• Ambient temperature	0 ~ 50°C
• Ambient humidity	90% (not condensing)
• Mains voltage	230 V AC / 50/60Hz
• Dimension	L86 x W86 x H44 (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	PCB Antenna

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.

Reset thermostat to factory setting

Switch off the thermostat -> Press the up arrow key until SET and a number appears -> Select „0“ with the arrow keys -> Confirm with the comfort key -> Switch the thermostat on again („REG“ appears in the display), it must then be registered again.

Further information

Note:

If the power fails and the thermostat switches off, the heating continues in the last mode used. This prevents the heating from freezing and the rooms from being cooled down unintentionally, the frost protection mode (6 °C) is activated.

What is to be done?

To restore normal operation, please provide power to the thermostat. The system has a memory function that automatically restores the last set heating program.

Note:

If the thermostat was used with variant 1, the thermostat must first be reset to the factory settings before it can be used as variant 2.

Valve protection function:

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 Note:

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.

Installation of the thermostat

The Hera Direct+ thermostat fits all standard flush boxes with Ø 60mm.

Declaration of conformity

Hereby blossom-ic GmbH & Co. KG hereby declares that the following products: Hera Direct+ HDP-3976 and Hera Direct+ white HDPW-4010 are in compliance with the basic 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.

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 devices, as they do not contain any user-serviceable parts. If the error code E1, E2 etc. is shown on the display or other defects occur, please return the thermostat to the dealer.

These appliances may be used by children over 8 years of age and by persons with reduced physical, Sensory or mental abilities or lack of experience and knowledge, provided that they have been supervised or instructed in the safe use of the appliances and understand the risks involved. Children must not play with the equipment. Cleaning and user maintenance must not be performed by children without supervision

Intended Use

The Hera Direct+ is only suitable for controlling underfloor heating. The regulation of e.g. Cooling circuits, radiators are not permitted and can lead to damage.



blossom-ic

 intelligent controls

blossom-ic GmbH & Co. KG

Oberer Buxheimer Weg 60, 87700 Memmingen, Germany

P: +49 8331-756 965 80 **E:** info@blossomic.de

W: www.blossomic.de