



HERA+ PRIMUS PRO

Assembly instructions

Brief description:

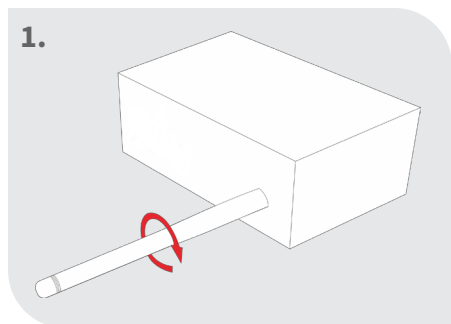
Radio underfloor heating bar (6-zone basic module) in combination with the Hera+ radio room thermostats/Hera Direct+ room thermostats and the Hera+ actuators. Optional connection of the Hera+ return temperature sensors. With digital hydraulic balancing. Also suitable for retrofitting. In conjunction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

Up to 5 Hera+ Primus PRO wireless underfloor heating bars can be connected to a gateway.

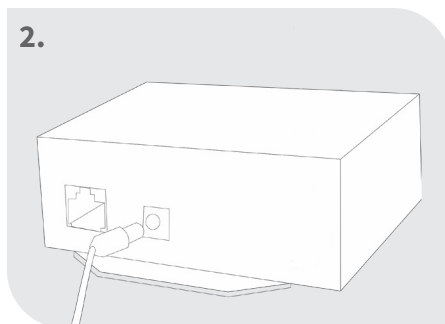
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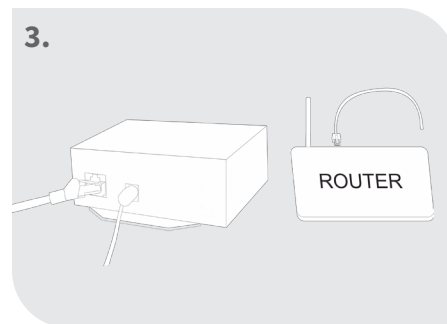
Connection of the Gateway GT-100



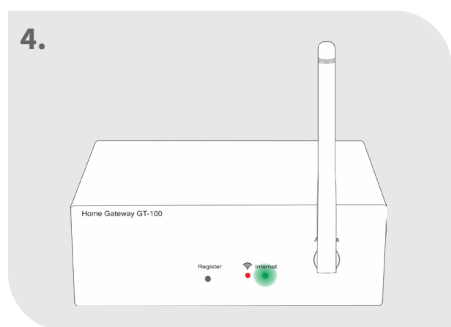
1. Screw on the antenna



2. Connect power supply unit



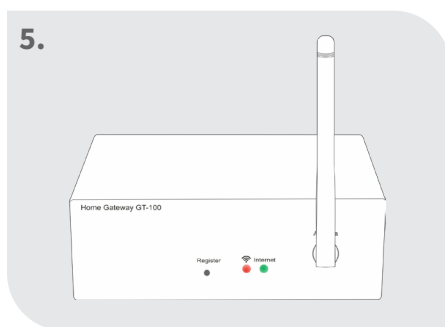
3. Connect the network cable



4. Check status

Green diode flashes: Internet connection is being established

Green diode lights up continuously: Internet connection successfully established



5. Both diodes light up permanently: Gateway active

Note:

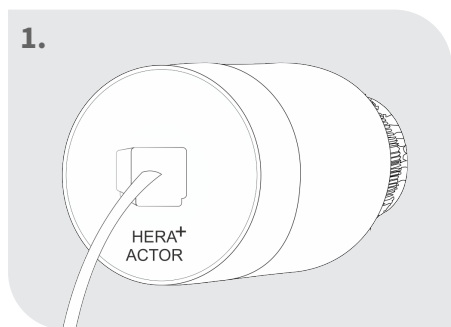
Functioning in the home-safe area.

Internet connection is used for convenient setting and control via the smartphone.

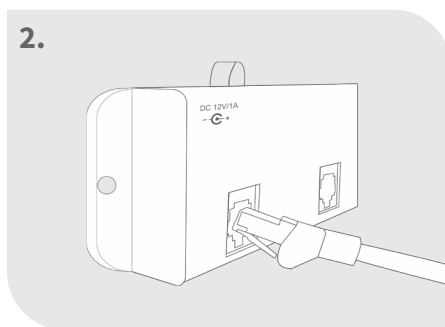
The system functionality is also ensured if no internet connection is available.

An internet connection is mandatory for the first installation!

Connecting actuators to radio underfloor heating bar



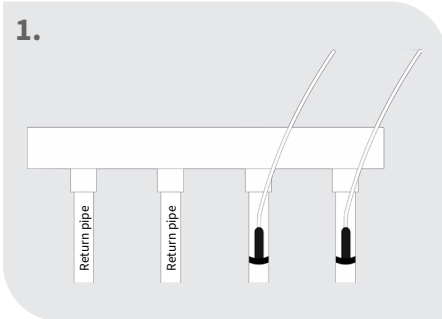
1. Plug the patch cable into the actuator



2. Connect the patch cable to the desired port on the bar

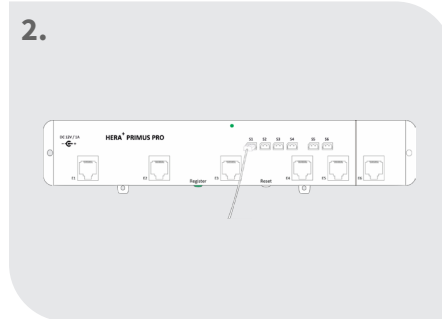
Connect the return temperature Sensor to the underfloor heating bar

1.



Mount the return temperature sensor on the return pipe

2.



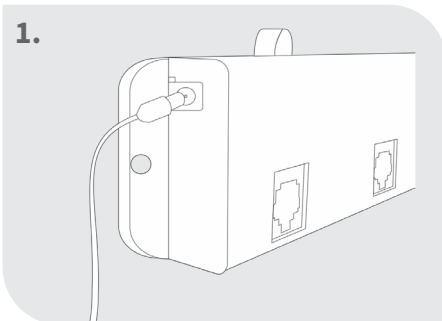
Connect the return temperature Sensor to the desired slot on the bar

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.

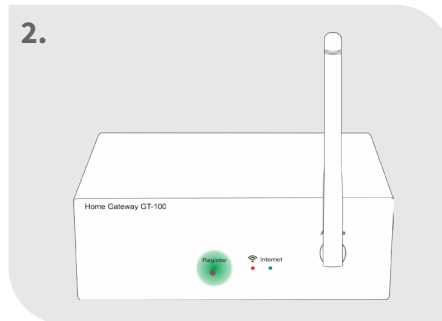
Registration of the radio underfloor heating bar

1.



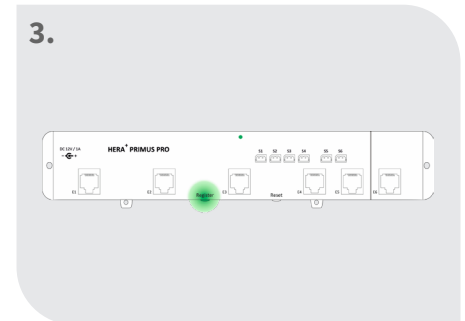
Connect the power supply unit and place the bar in a suitable place in the distributor

2.



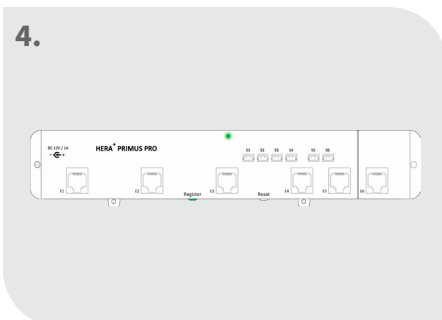
Press the „Register“ button on the gateway

3.



Press the „Register“ button on the bar for 3 seconds

4.



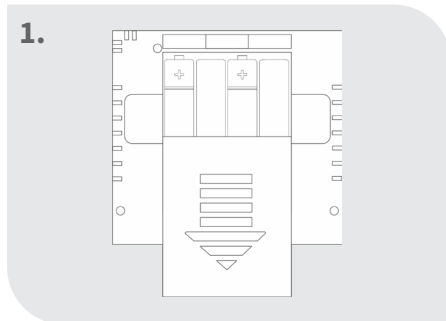
The LED on the bar lights up continuously -> connection successfully established

Important notice:

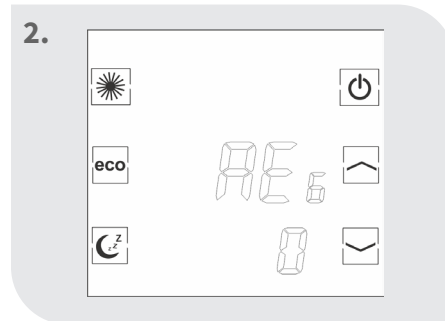
The antenna must be installed outside of the distribution box!

For the power supply a conventional 230V socket in the distribution box is required!

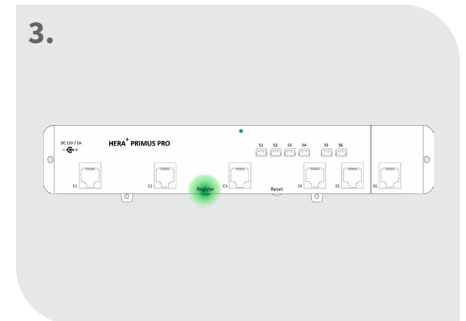
Register the Hera+ thermostat with the bar and assign a port



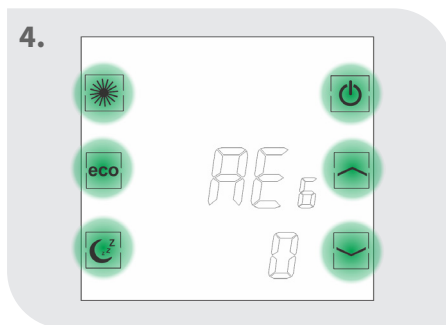
1. Insert batteries



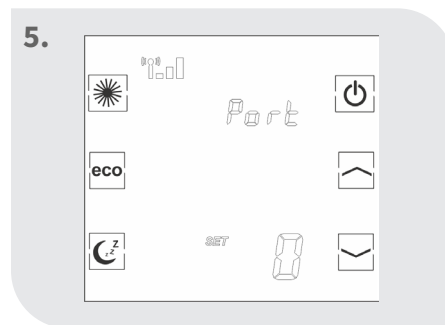
2. Thermostat shows "REG"



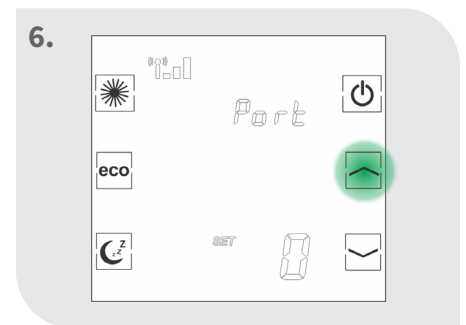
3. Press the "Register" button on the Hera+ Primus PRO bar



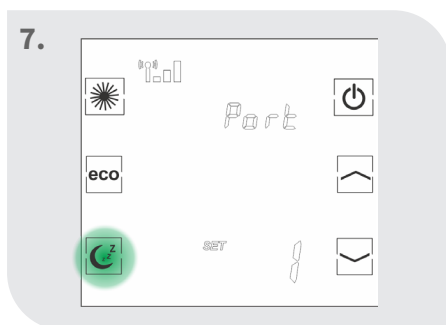
4. Press a button on the thermostat within 60 seconds



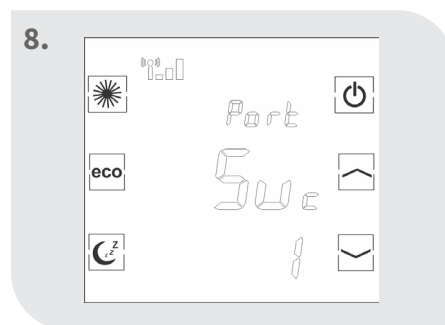
5. If the connection is successful, „Port 0“ appears



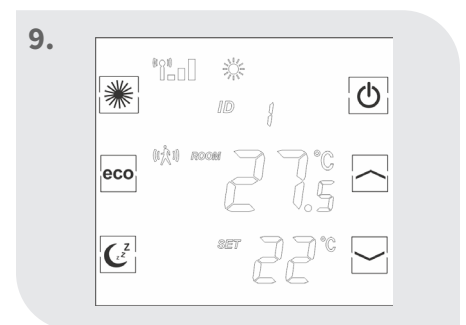
6. Use the arrow keys to select the desired port



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



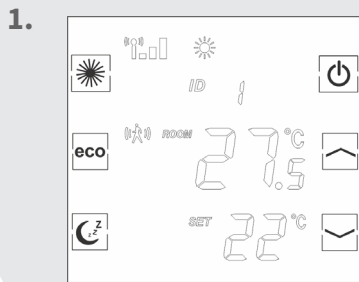
8. Thermostat shows „Suc“ -> Registration was successful



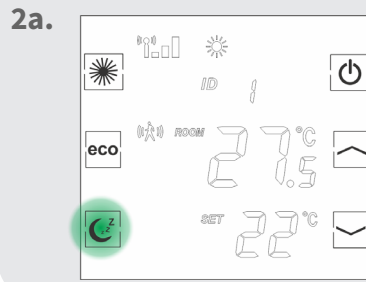
9. Thermostat shows the current room temperature etc.

If registration to the Hera+ Primus PRO bar fails, the screen will continue to display "REG". Press a button on the thermostat again and it will try to connect to the bar again. If the port on the Hera+ Primus PRO/ Hera+ Extensia PRO wireless underfloor heating bar is already occupied, the error message "FAI" will appear.

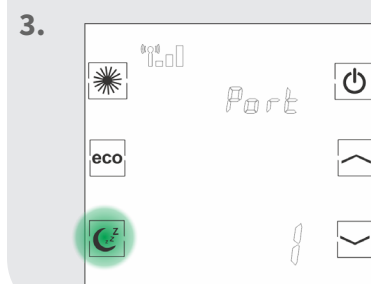
Assign multiple ports to a thermostat



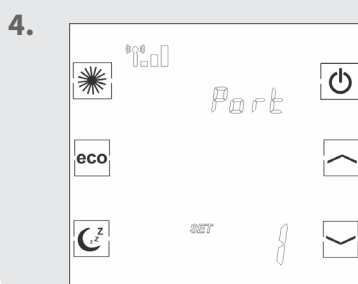
Thermostat shows the current room temperature etc.



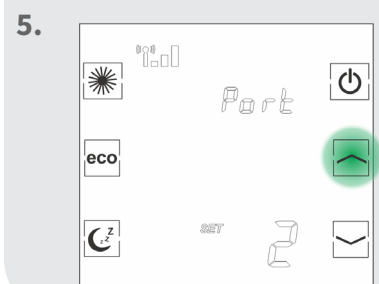
Press the sleep button until the thermostat shows the last registered port



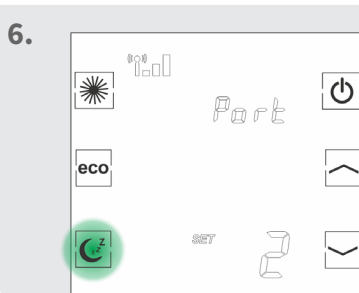
Press the „Sleep“ button again



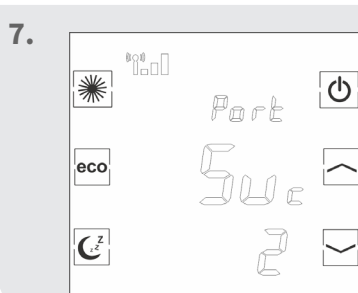
After a short time, „SET“ appears



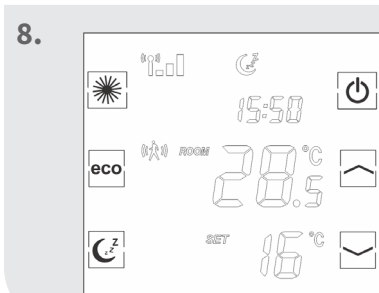
Use the arrow keys to select the desired port



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 one thermostat.
The ports can also be assigned via the app. More in the app description.

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.

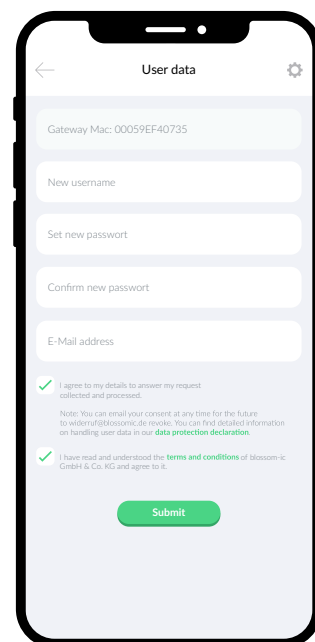
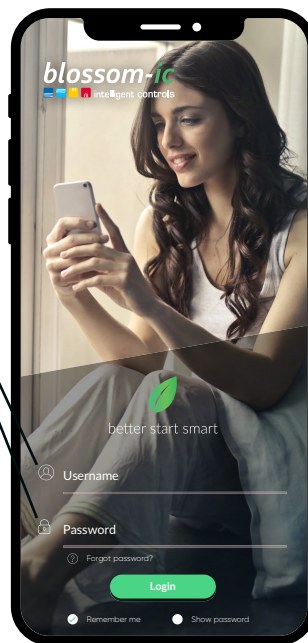
Set up the blossomic app



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+ Primus PRO

• Power consumption	Max.12 W (with 30 connected actuators)
• Dimension	L262 x B46 x H25 mm
• Operating voltage	DC 12 ~ 24V 1A
• Connection port	Patch cable RJ11
• LED Leuchte	Display for Internet and Radio connection
• Protection class/type	IP30
• RF Test	RED 2014/53/EU
• CE	Available
• RoHs	Available
• Expandable mit	Up to 4 Hera+ Extensia PRO wireless under-floor heating bars per Hera+ Primus PRO

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

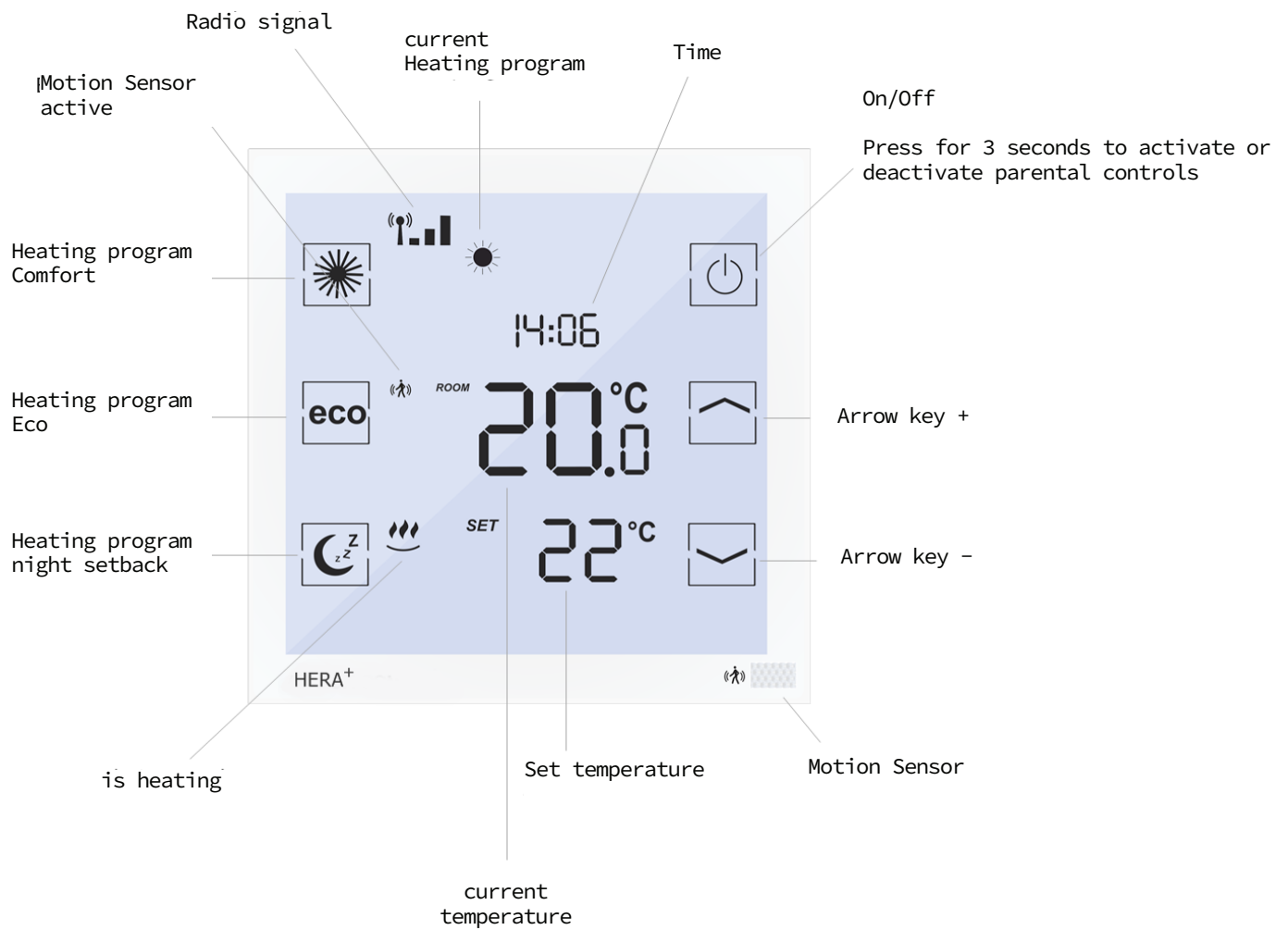
Technical data - Hera+ Thermostat

• Setpoint range	6 ~ 30°C
• Ambient temperature	0 ~ 50°C
• Ambient humidity	90% (non-condensing)
• Battery intake	4x Micro AAA 1.5V, Battery
• Dimension	L86 x W86 x H42 (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 - Hera+ Actor

• Ambient temperature	0 ~ 50°C
• Voltage	5V
• Dimension	L90 x Ø 46 mm
• Connection	Valve connection M 30x1,5mm
• Wireless frequency	2.4GHz, ISM Band, 16 channels
• Protection class/type	IP 30
• Pressure performance	< 100N
• RF Test	RED 2014/53/EU
• Connection port	Patch cable RJ11
• Power consumption	0,3 W max. (in progress) 0 W (Stand-by)
• CE	Available
• RoHs	Available

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.

Reset radio underfloor heating bar to factory settings

Press the reset button on the radio underfloor heating bar for 30 seconds -> LED diode starts to flash -> The bar must be registered again with the gateway and therefore the connected thermostats with the bar.

Further information

Note:

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.

What is to be done?

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.

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 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 declares that the following products: Hera+ Thermostat HPT-3975, Hera+ Actor HAC-3974, Hera+ Primus PRO HPPR-4020 and Gateway GT-100 GS-3996 are in compliance with the essential requirements and the 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+ Primus PRO Tres Set is suitable exclusively 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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