

–weishaupt–

manual

Installation and operating instruction



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Translation of original
operating instructions

1 User instructions

This manual forms part of the equipment and must be kept on site.

Carefully read the manual prior to working on the unit.

It is supplemented by the installation and operating instructions for the heat pump.

1.1 Target group

The manual is intended for the operator and qualified personnel. It should be observed by all personnel working with the unit.

Work on the unit must only be carried out by personnel who have the relevant training and instruction.

In accordance with EN 60335-1 the following requirements apply

This appliance can be used by children 8 years and above as well as by persons with limited physical, sensory or mental capacities or lack of experience and knowledge, provided they are supervised or have been instructed regarding the safe use of the appliance and understand the resulting danger. Children must not play with the appliance. Cleaning and operator maintenance must not be carried out by children without supervision.

1.2 Symbols

 DANGER	Immediate danger with high risk. Non observance can lead to serious injury or death.
 WARNING	Danger with medium risk. Non observance can lead to environmental damage, serious injury or death.
 CAUTION	Danger with low risk. Non observance can cause damage to the equipment and injury to personnel.
	Important information
	Requires direct action
	Result after an action
	Itemisation
...	Range of values

1 User instructions

1.3 Guarantee and Liability

Guarantee and liability claims for personal and equipment damage are excluded, if they can be attributed to one or more of the following causes:

- non approved application,
- non-observance of the manual,
- operation with faulty safety equipment,
- continual operation despite a fault,
- improper installation, commissioning, operation and service,
- repairs, which have been carried out incorrectly,
- the use of non original Weishaupt parts,
- force majeure,
- the installation of additional components, which have not been tested with the unit.

2 Safety

2.1 Designated application

The room device in conjunction with the Weishaupt heat pump WWP LS and WWP LB is suitable for the room management of a heating circuit.

Up to 3 room devices can be used. Each of these 3 room devices can be assigned to a heating circuit.

The device should only be used indoors.

The installation location must comply with local regulations and must be frost-proof.

Improper use could:

- endanger the health and safety of the user or third parties,
- cause damage to the unit or other material assets.

2.2 Safety measures

Safety relevant fault conditions must be eliminated immediately.

2.3 Disposal

Dispose of all materials and components in a safe and environmentally friendly way at an authorised location. Observe local regulations.

3 Product description

3 Product description

3.1 Type key

WWP-RG1

WWP Series: Weishaupt heat pump

RG1 Type: room device

3.2 Technical data

3.2.1 Electrical data

3.2.1.1 Electrical data

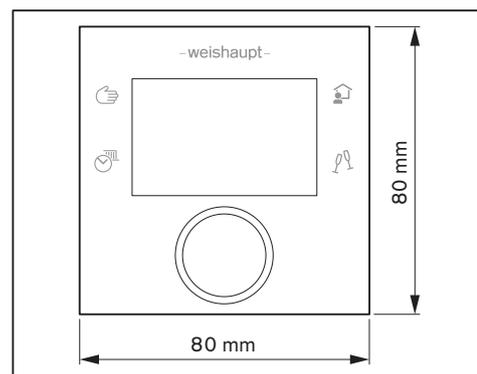
Voltage supply	via Bus line
Consumption	max 0.7 W
Type of protection	IP20

3.2.2 Ambient conditions

Temperature in operation	0 ... +50 °C
Temperature during transport / storage	0 ... +50 °C
relative humidity	max 85 %, no dew point
Installation elevation	max 2000 m ⁽¹⁾

⁽¹⁾ Consultation with Weishaupt is required for higher installation elevation.

3.2.3 Dimensions



4 Installation

4 Installation



Risk of electric shock

Working on the device when voltage is applied can lead to electric shock.

- ▶ Isolate the device from the power supply prior to starting any work.
- ▶ Safeguard against accidental restart.



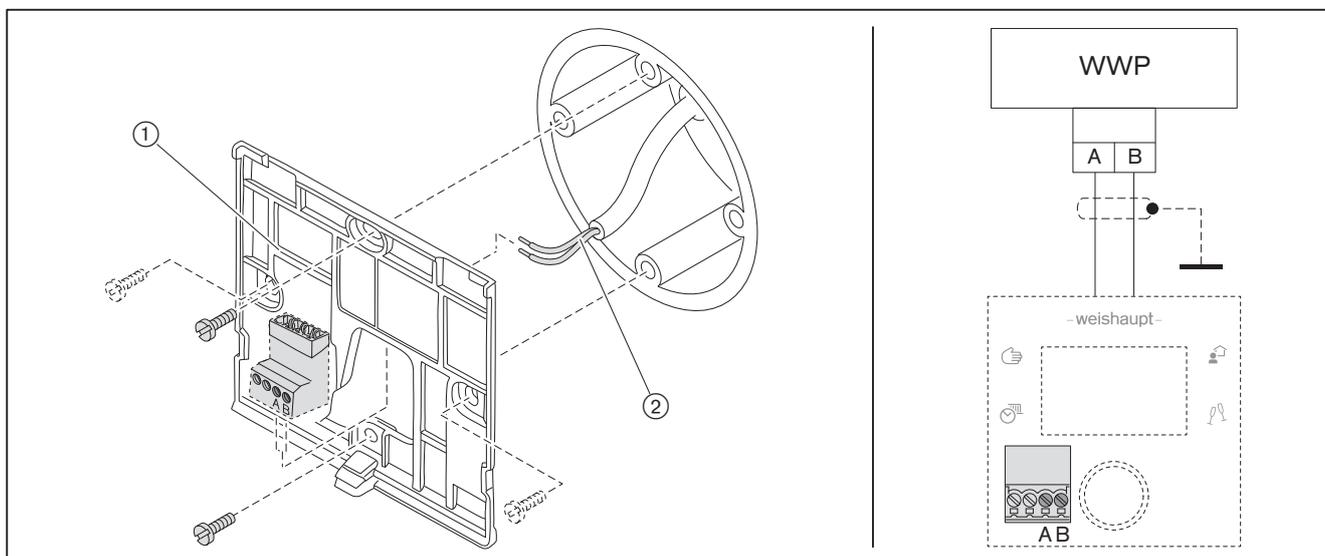
Damage to the PCB due to electrostatic discharge (ESD)

PCB can be damaged by contact.

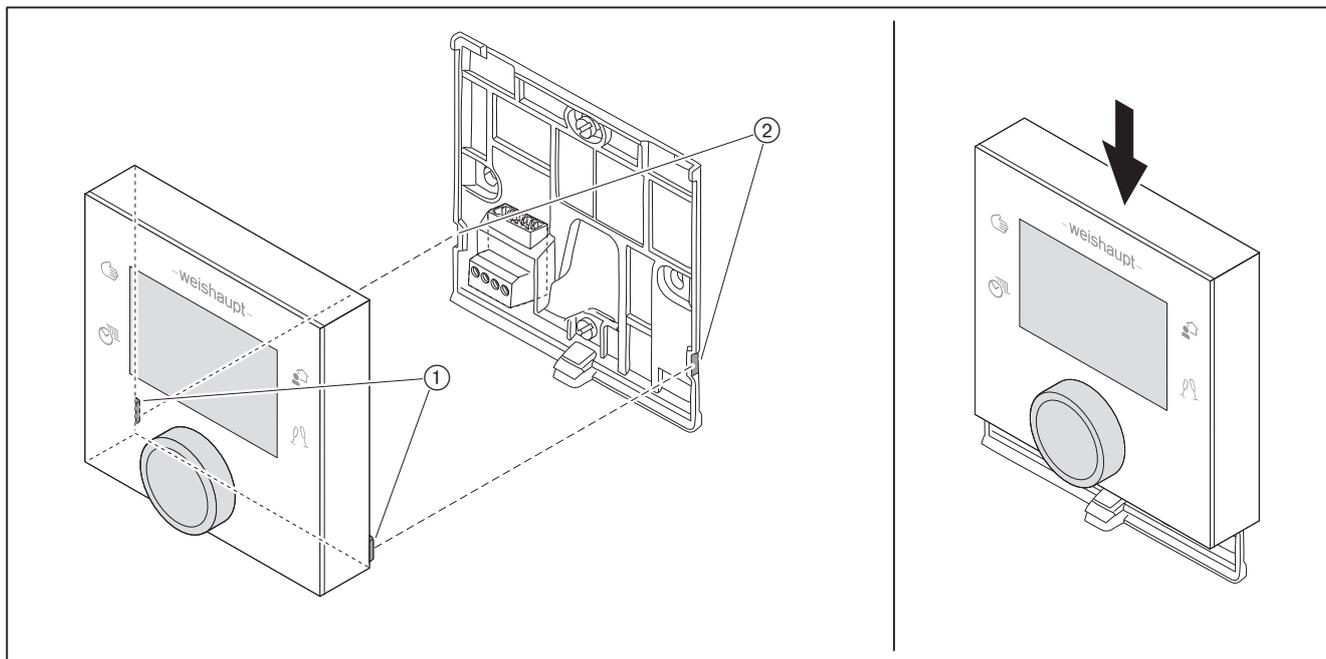
- ▶ Do not touch the PCB and its components.

The electrical connection must only be carried out by qualified electricians. Observe local regulations.

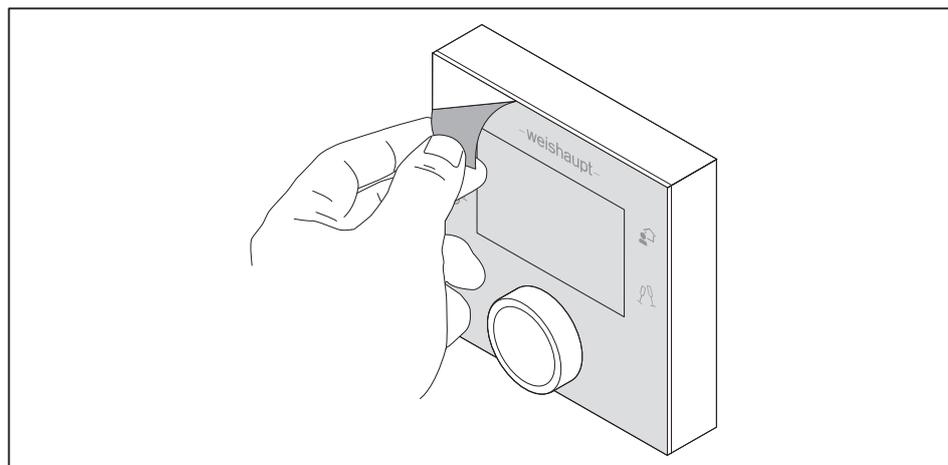
- ▶ Secure wall bracket ① to the wall using the screws supplied.
- ▶ Feed the wires ② through and connect the plug to the wiring diagram.



- ▶ Insert the lugs ① of the room device into the recesses ②.
- ▶ Click room device into place downwards.



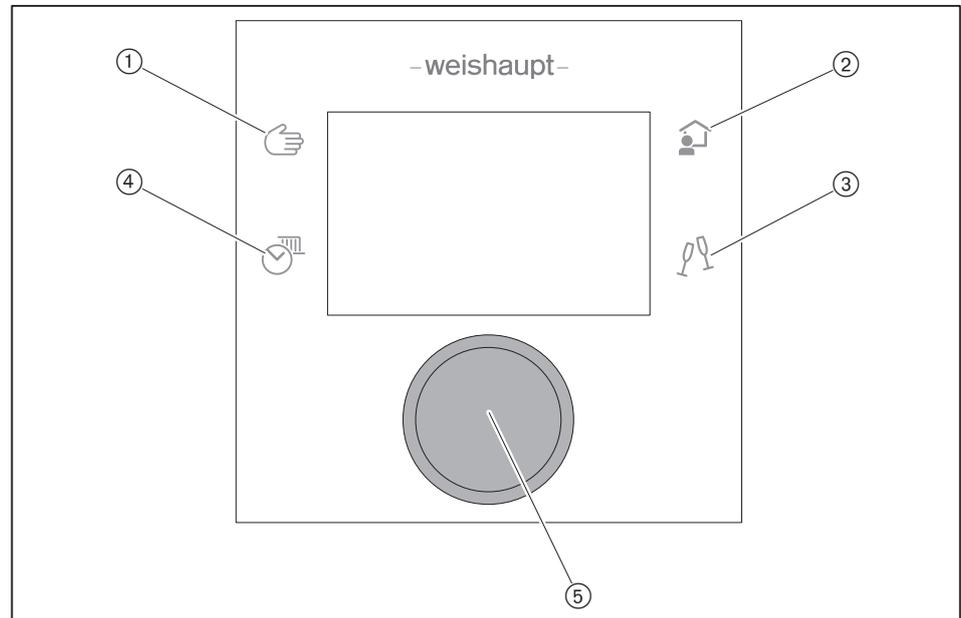
- ▶ Pull off protective foil.



5 Operation

5 Operation

5.1 Display and operating unit



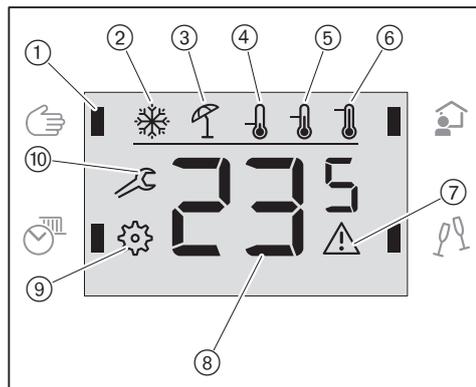
Keys

- ① Manual Operation [ch. 5.3]
- ② Absent [ch. 5.4]
- ③ Party mode [ch. 5.5]
- ④ Automatic operation [ch. 5.6]

Dial knob

⑤	turn	select or change values
	press	briefly: confirm or save values In setting mode: approx. 3 seconds: exit value without saving / back to standard display In standard display: approx. 3 seconds: display room humidity

5.2 Display



- ① Active mode (e. g. manual operation)
- ② Cooling mode activated
- ③ Summer setting activated (no heating operation)
- ④ Setback activated (reduced temperature level)
- ⑤ Normal operation activated (normal temperature level)
- ⑥ Comfort mode activated (increased temperature level)
- ⑦ Fault⁽¹⁾
- ⑧ Current room temperature (standard display); parameters and values
- ⑨ Setting mode activated
- ⑩ Service level activated

Faults

⁽¹⁾ If there is a fault in the system, a flashing warning symbol  appears in the display.

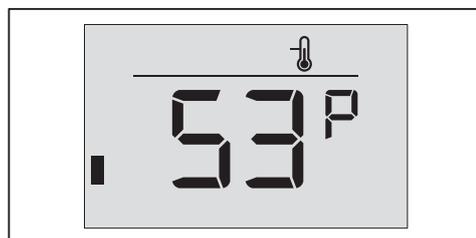
- ▶ Notify your heating contractor or Weishaupt Customer Service.

5.2.1 Display room humidity

Current room humidity at the room device.

- ▶ Press dial knob for approx. 3 seconds.
- ✓ Current humidity is displayed for approx. 3 seconds.

Example:
Room humidity 53 %



The optimum room humidity in living areas is 40 ... 60 %.

5 Operation

5.3 Manual Operation

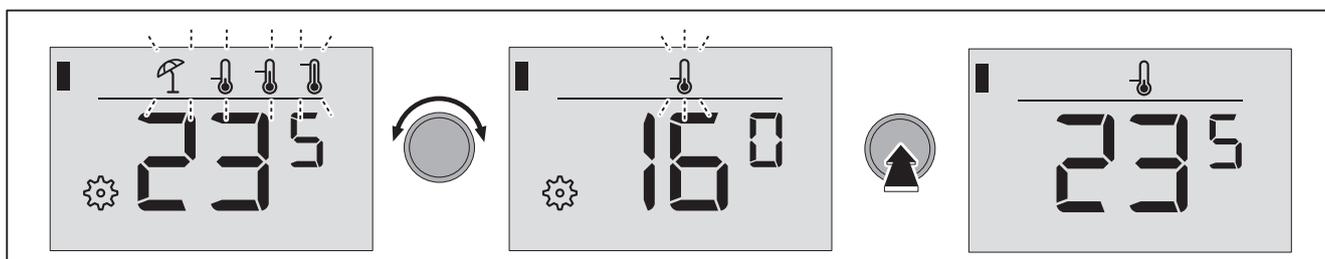
Permanent temperature level according to the operating mode set, independent of the time program.

The following operating modes are possible:

- ☰ Summer operation
- ☷ Setback operation
- ☹ Normal operation
- ☺ Comfort mode

- ▶ Press Manual operation .
- ✓ Symbols for the operating modes are displayed flashing.
- ▶ Select the desired operating mode using the knob.
- ✓ Room setpoint temperature of the operating mode is displayed (except in summer operation).
- ▶ Confirm operating mode using the dial knob.
- ✓ The operating mode selected is active after approx. 3 seconds.

Example: Activate permanent setback operation.

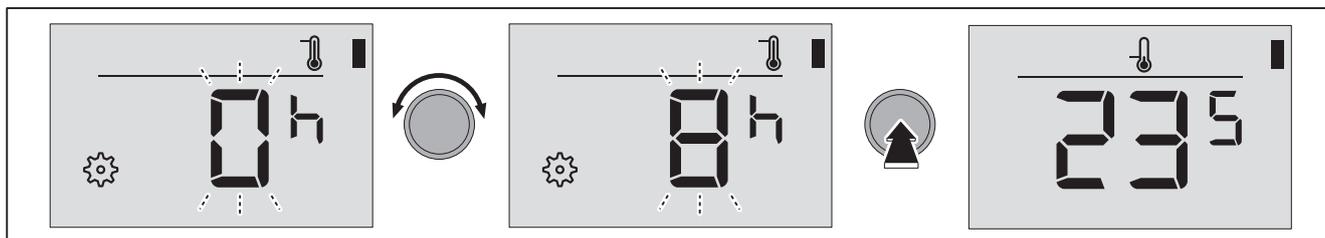


5.4 Absence

The heating mode can be temporarily interrupted (maximum 12 hours). During the time set, setback operation is activated.

- ▶ Press Absence .
- ✓ The hour display is displayed flashing.
- ▶ Set and confirm hours required using the dial knob.
- ✓ After approx. 3 seconds, setback operation is active for the time set.

Example: Activate absence (setback operation) for 8 hours.



Once the time set has elapsed, the operating mode previously set is active again.

Display the time remaining

- ▶ Press Absence .
- ✓ The time remaining is displayed flashing.

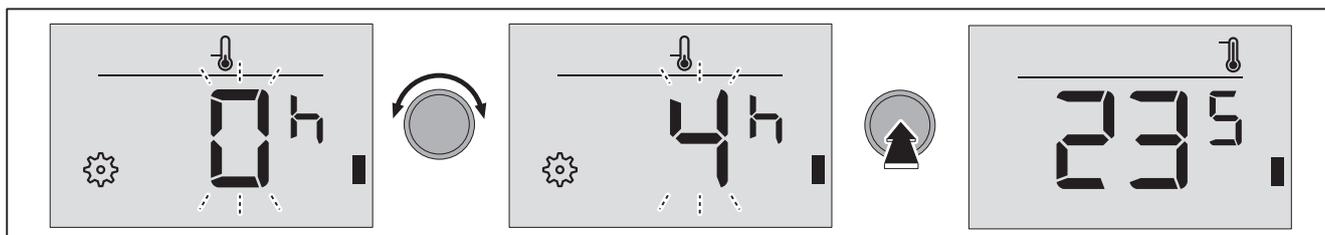
The standard display re-appears after approx. 30 seconds.

5.5 Party mode

The heating mode can be temporarily extended (maximal 12 hours). During the time set, comfort mode is activated.

- ▶ Press Party mode .
- ✓ The hour display is displayed flashing.
- ▶ Set and confirm hours required using the dial knob.
- ✓ After approx. 3 seconds, comfort mode is active for the time set.

Example: Activate party mode (comfort mode) for 4 hours.



Once the time set has elapsed, the operating mode previously set is active again.

Display the time remaining

- ▶ Press Party mode .
- ✓ The time remaining is displayed flashing.

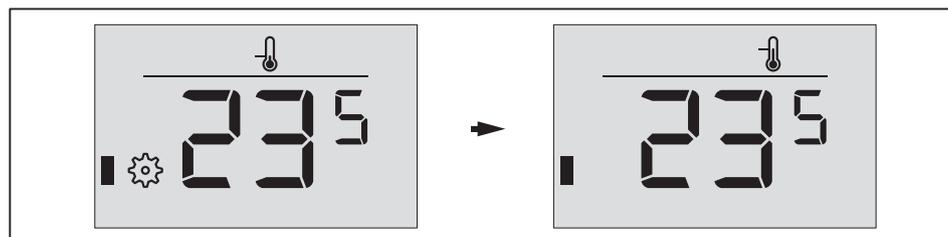
The standard display re-appears after approx. 30 seconds.

5.6 Automatic operation

Temperature level according to predetermined time program.

The time programs can be interrogated and set using the display and operating unit of the heat exchanger.

- ▶ Press Automatic operation .
- ✓ Automatic operation is activate after approx. 3 seconds.



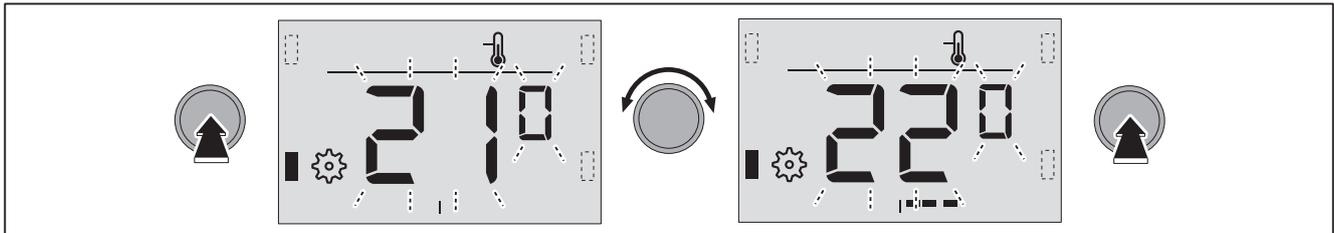
5 Operation

5.7 Set room setpoint temperature

Room setpoint temperature can be changed in each operating mode (except in summer operation).

- ▶ Press dial knob.
- ✓ Display changes to the the setting of the room setpoint temperature.
- ✓ The room setpoint temperature set is displayed flashing.
- ▶ Set and confirm the required room temperature using the dial knob.
- ✓ Room setpoint temperature has been changed.

Example: Increase room setpoint temperature in normal operation from 21.0 °C to 22.0 °C.



Following a change, the room setpoint temperature at the respective temperature level is permanently changed.

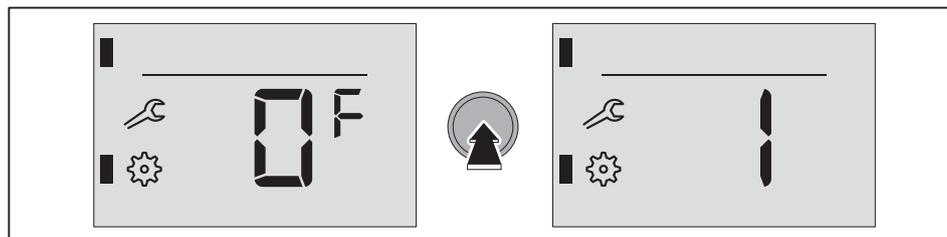
5.8 Service level

5.8.1 Check assignment

The heating circuit to which the room device is assigned can be displayed with parameter 0F.

- ▶ Press Manual operation  and Automatic operation  simultaneously for approx. 2 seconds.
- ✓ The service level is activated.
- ▶ Press dial knob.
- ✓ The address of the heating circuit accessed is displayed.

The assignment can be changed using the display and operating unit of the heat exchanger.

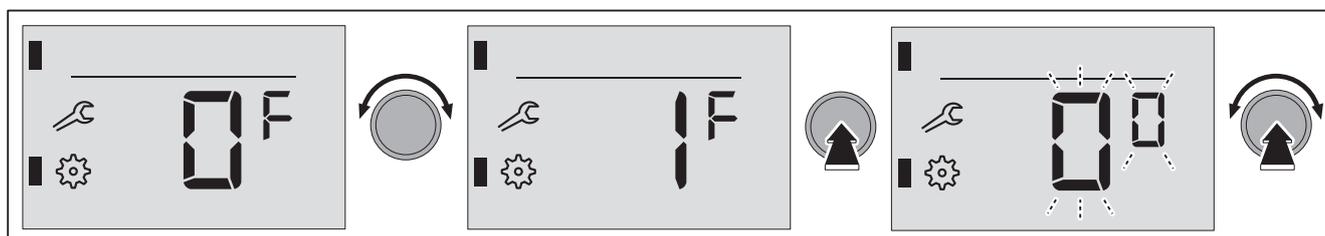


The standard display re-appears after approx. 30 seconds.

5.8.2 Adjusting the room temperature

If no optimal placement of the room device is possible or a measurement error is to be compensated, the measured room temperature can be adjusted.

- Setting range: -5.0 ... 5.0 K
- Factory setting: 0.0
- ▶ Press Manual operation  and Automatic operation  simultaneously for approx. 2 seconds.
- ✓ The service level is activated.
- ▶ Turn dial knob until parameter 1F is displayed.
- ▶ Press dial knob.
- ✓ Current room sensor adjustment is displayed flashing.
- ▶ Set and confirm adjustment required using the dial knob.
- ✓ The value has been saved.



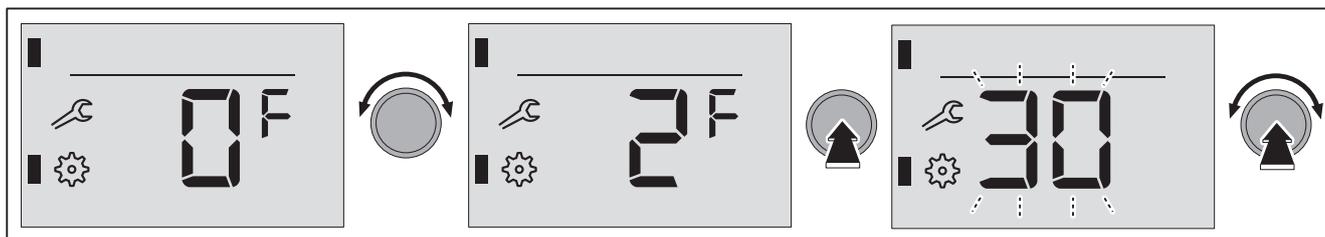
The standard display re-appears after approx. 30 seconds.

5 Operation

5.8.3 Set brightness in setting mode

Adjust the brightness of the display in setting mode.

- Setting range: 0 ... 30
- Factory setting: 30
- ▶ Press Manual operation  and Automatic operation  simultaneously for approx. 2 seconds.
- ✓ The service level is activated.
- ▶ Turn dial knob until parameter 2F is displayed.
- ▶ Press dial knob.
- ✓ Current value of brightness is displayed flashing.
- ▶ Set and confirm value required using the dial knob.
- ✓ The value has been saved.



The standard display re-appears after approx. 30 seconds.

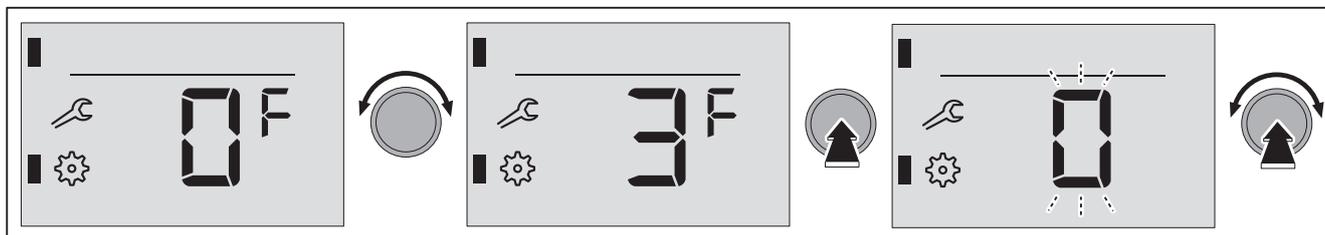
5.8.4 Set brightness in standby mode

Adjust the brightness of the display in standby mode.

- Setting range: 0 ... 30
- Factory setting: 0
- ▶ Press Manual operation  and Automatic operation  simultaneously for approx. 2 seconds.
- ✓ The service level is activated.
- ▶ Turn dial knob until parameter 3F is displayed.
- ▶ Press dial knob.
- ✓ Current value of brightness is displayed flashing.
- ▶ Set and confirm value required using the dial knob.
- ✓ The value has been saved.

Setting range: 0 ... 30

Factory setting: 0



The standard display re-appears after approx. 30 seconds.

6 Commissioning

Observe installation and operating manual of heat pump.

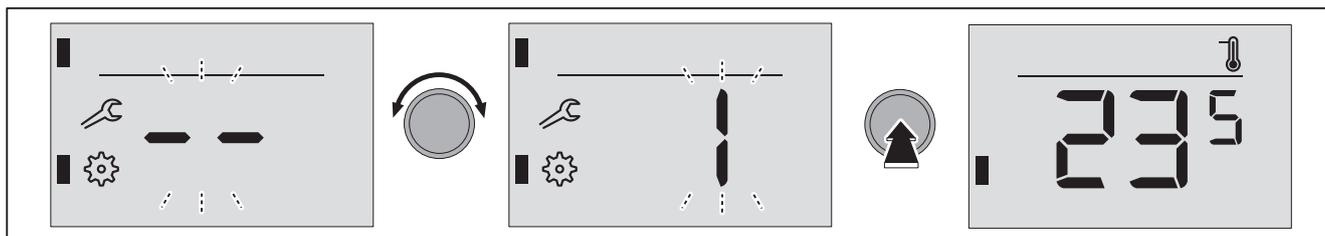
The room device must be assigned to a heating circuit.

If the room device has already been assigned to a heating circuit, the standard display appears.

Assign room device

- ▶ Select and confirm heating circuit required using the dial knob.
- ✓ Standard display appears.

Example: room device is assigned to heating circuit 1.

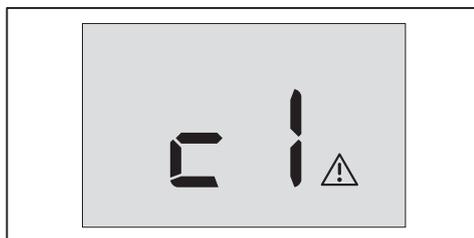


7 Fault

7 Fault

If the room device can not find the heating circuit assigned, a fault message appears indicating the heating circuit.

Example:
Fault heating circuit 1



Activate heating circuit

- ▶ Select expert level.
- ▶ Select the relevant heating circuit.
- ▶ Select *Settings*.
- ▶ Select *Function* .
- ▶ Activate heating circuit.
- ✓ The heating circuit is activated, the fault message disappears.

A		O	
Absence.....	12	Operating panel.....	10
Access.....	15, 17	Operating unit.....	10
Adjustment.....	15	P	
Ambient conditions.....	7	Party mode.....	13
Assignment.....	15, 17	Protective foil.....	9
Automatic operation.....	13	R	
B		Room humidity.....	11
Brightness.....	16	Room sensor.....	15
C		Room setpoint temperature.....	14
c1.....	18	Room temperature.....	15
Click into place.....	9	S	
Commissioning.....	17	Safety measures.....	5
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D		Temperature.....	7
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Disposal.....	5	Type key.....	6
E		Type of protection.....	7
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Electrical data.....	7	Voltage supply.....	7
F		W	
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G		Warning triangle.....	11, 18
Guarantee.....	4		
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I			
Illumination.....	16		
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K			
Key.....	10		
L			
Liability.....	4		
Light.....	16		
Lockout.....	11, 18		
M			
Manual operation.....	12		
Measurement error.....	15		

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	<p>monarch® WM Burners and Industrial Burners up to 11,700 kW</p> <p>These legendary industrial burners are durable and versatile. Numerous variations of oil, gas and dual fuel burners meet a wide range of applications and capacity requirements.</p>	<p>Floor-standing condensing boilers for oil and gas up to 1,200 kW</p> <p>The floor-standing condensing boilers WTC-GB (up to 300 kW) and WTC-OB (up to 45 kW) are efficient, low in pollutants and versatile in use. Even the largest capacities can be covered by cascading up to four gas condensing boilers.</p>	
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	<p>Service</p> <p>Weishaupt customers can be assured that specialist knowledge and tools are available whenever they are needed. Our service engineers are fully qualified and have extensive product knowledge, be it for burners, heat pumps, condensing boilers or solar collectors.</p>	<p>Geothermal probe drilling</p> <p>With its daughter company, BauGrund Süd, Weishaupt also offers geothermal probe and well drilling. With the experience of more than 10,000 systems and more than 2 million meters of drilling, BauGrund Süd offers a comprehensive service program.</p>	