

# Heating Control H1

Manual

Revision 1.0 English, as of 10/2021

ubisys heating control H1, commissioning and operating instructions © 2021 ubisys technologies GmbH, Düsseldorf, Germany. All rights reserved. Reproduction and copies (also in extracts) only with the consent of ubisys technologies GmbH.

We assume no liability for errors in content. Changes in the sense of technical progress can be made without prior notice.

## Content

### Chapter 1 | General

- 1.1 Notes on this manual
- 1.2 Function and design of the H1
- 1.3 Technical details

### Chapter 2 | Commissioning

- 2.1 Mounting
- 2.2 Initial commissioning (with and without gateway)
- 2.3 Date and time setting

### Chapter 3 | Set Room Temperature

- 3.1 How do I set the desired room temperature?
- 3.2 Switch off the heating – and switch on again
- 3.3 Set temperature offset

### 4 Chapter 4 | Schedules

- 5 4.1 What are schedules and how do I create/change them? 21
- 7 4.2 How do I pause a schedule (vacation mode)? 27
- 4.3 Delete all schedules 28

### 8

### 9 Chapter 5 | More Functions and Information

- 9
- 13 5.1 Cancel operation/exit menu 30
- 5.2 Updates 30
- 5.3 Calibrate the H1 30
- 15 5.4 Changing the batteries 31
- 5.5 Finding/Binding 32
- 5.6 Unmounting 34
- 16 5.7 Factory reset 35
- 5.8 Overview of the symbols on the display and their meaning 37
- 18 5.9 Maintenance 41
- 19 5.10 Disposal 41
- 5.11 Contact 42

# Chapter 1

# General

## 1.1 Notes on this manual

Read these instructions carefully before commissioning the H1 heating control. Keep the instructions for future reference. The online version can be found at [www.ubisys.de](http://www.ubisys.de).

### Images of the ubisys app

The illustrations in this manual correspond to the screens of the Apple iOS app (iPhone 11 Pro, iOS 13.7). Depending on which app you are using, slight deviations with regard to display or operation are possible. This applies to different iOS versions on an Apple iPad or devices with Google Android operating system.

## 1.2 Function and design of the H1

The H1 heating control is a smart, battery-powered radiator thermostat with integrated temperature sensor for radiator heating systems and is used for efficient room temperature control in private and commercial facilities. The H1 communicates wirelessly using the international radio standard Zigbee. Temperature control is performed manually on the device or via app (e.g. ubisys Smart Home App).

For operation via the ubisys Smart Home App, you need the ubisys Gateway G1. When using a Zigbee-capable gateway from another manufacturer, a corresponding app must be used. The power supply is provided by two lithium batteries (type AA with 1.5 V, Energizer L91, Ultimate Lithium – or comparable).

**Note:** If you want to control the H1 via the app of another manufacturer, you need a corresponding Zigbee-capable gateway of this manufacturer. Deviations may then occur with regard to setup and functionality.

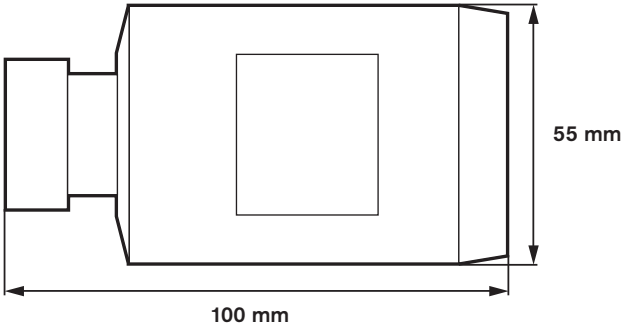
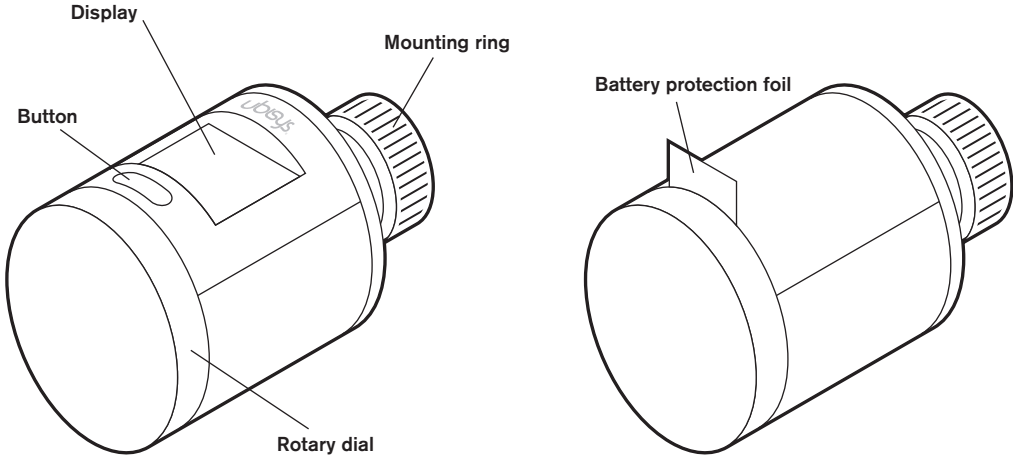


### Zigbee wireless technology

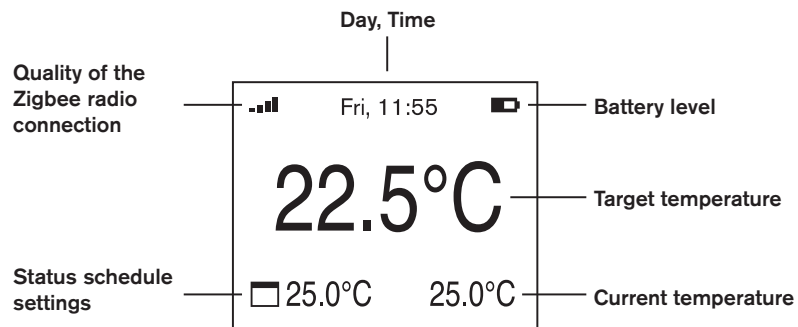
The H1 communicates by means of the international radio standard Zigbee. To ensure a smooth communication between the H1 and the gateway, the devices must be in direct radio range. Zigbee components join together to form a mesh-like radio network. Components that are not within direct radio range of each other can access other components as intermediate stations (routers) to transmit their data packets to the addressee. All components that are permanently connected to the mains have router functionality permanently integrated.

If the direct radio link between gateway and H1 is not available in your facility (e.g. due to interfering factors such as walls, doors, etc.), you may have to integrate additional Zigbee components that are permanently connected to the mains into your system. Suitable for this purpose are e.g.: ubisys Router R0 or Develco Smart Plug Mini. These and further devices with router function are available on [www.smarthome-store.de](http://www.smarthome-store.de). For more information about Zigbee, please visit our website [www.ubisys.de](http://www.ubisys.de).

Design H1



## Display



## 1.3 Technical details

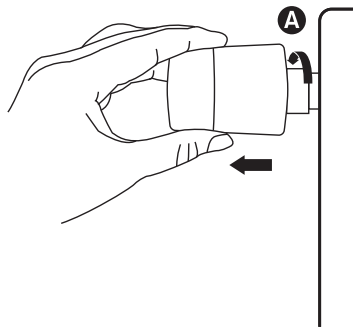
Permissible flow temperature	up to 90 °C
Threaded connection (to radiator valve)	M30 x 1.5
Setting force	100 N
Adjusting stroke	5.5 mm
Wireless interface frequency	2.4 GHz
Wireless interface protocol	Zigbee 3.0
Protection class	IP30, Protection class III
Energy supply	Batteries 2 x 1.5 V, Type AA, Energizer L91, Ultimate Lithium – or similar
Battery life	up to 4 Jahre
Power consumption standby	90 µW
Power consumption maximum	Aktive <sub>max</sub> 450 mW
Dimensions	55 x 100 mm
Display size (active area)	1,68" (W: 33,02 x H: 26,96 mm)
Weight (with batteries)	250 g

# Chapter 2

# Commissioning

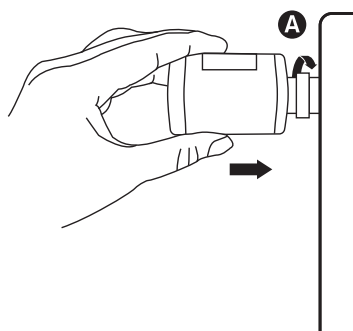


## 2.1 Mounting



1. Unmount your currently installed radiator thermostat.
2. To do this, turn the mounting ring (A) counterclockwise until the thermostat head comes off the valve (you may need pliers for this).

**Note:** Don't worry, water can't leak out in the process.



3. Turn the mounting ring (A) of the H1 onto the radiator valve until it is properly tightened. Do not use a tool for this.

**Note:** The H1 is suitable for all commercially available valves with an M30 x 1.5 connection\*).

\*) If the H1 does not fit, you will find a list of radiator valve adapters at [www.ubisys.de](http://www.ubisys.de).

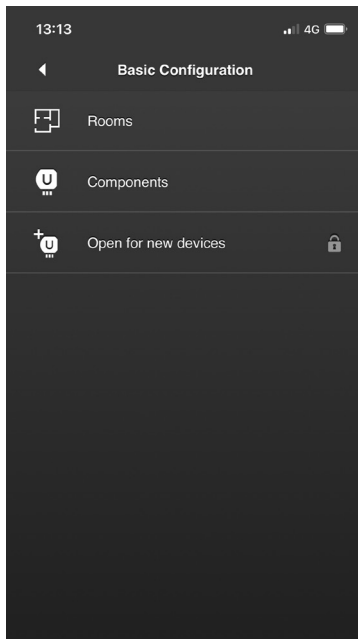
**Note:** To unmount the H1, please use the „Unmount“ function (Chapter 5.6).

## 2.2 Initial commissioning (with and without gateway)

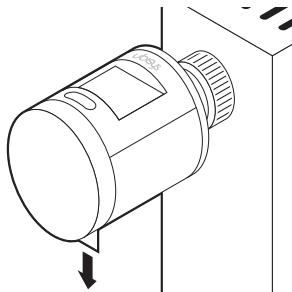
**Note:** If you wish to use the H1 heating controller as stand-alone solution, you only need to follow steps 4-11. **To be able to use the full range of functions and also control the device via app, you need a Zigbee-capable gateway, such as the ubisys G1.**

This is followed by the commissioning in combination with the ubisys G1 and the ubisys Smart Home App. Before you start this, you should have commissioned the ubisys G1. If you want to operate the H1 using a gateway and accompanying app of another manufacturer, please follow the corresponding instructions of that manufacturer.

**Initial commissioning in combination with the ubisys G1 and the ubisys Smart Home App:**



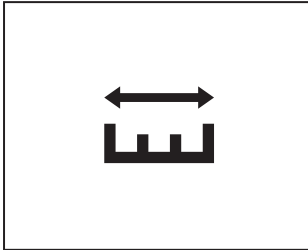
1. Open the ubisys Smart Home App.
2. Tap on **Configuration -> Basic Configuration -> Open for new devices**.
3. The Zigbee network is now open for about 4 minutes and your H1 heating controller can join the network.



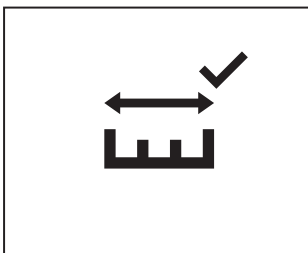
4. Remove the battery protection foil from your H1. The device will now be supplied with power.



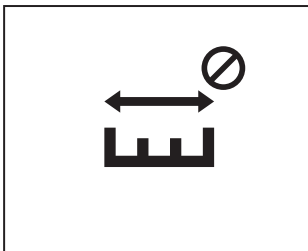
5. After the battery protection foil has been removed, the device automatically starts up and the ubisys logo appears on the display.



6. After the initializing process, the symbol for „Calibration“ appears in the display.
7. The calibration of the H1 starts. The movements of the H1 valve pin are now adjusted to the radiator valve and a status bar appears.



8. After successful calibration, a checkmark will appear in the display.



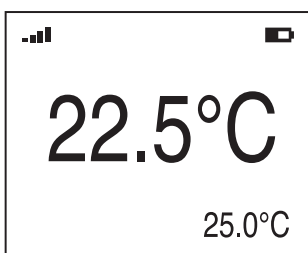
If the process fails even after several calibration attempts, there may be a problem with your heating valve:

- Your heating valve is stuck so that the H1 cannot move it in
- Your heating valve is too long or too short so that the H1 cannot start the calibration process



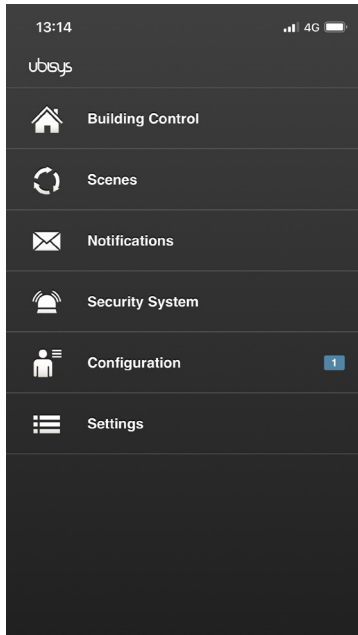
9. Following the calibration, the device performs the network startup and tries to connect to an open Zigbee network. This process can take up to approx. 7 seconds.

**Note:** Please make sure that the Zigbee network has been opened via the app (see point 2).



10. After joining a network successfully, the display will show the current target room temperature (center) and the actual room temperature (bottom right).
11. You can now set your desired room temperature using the rotary dial.

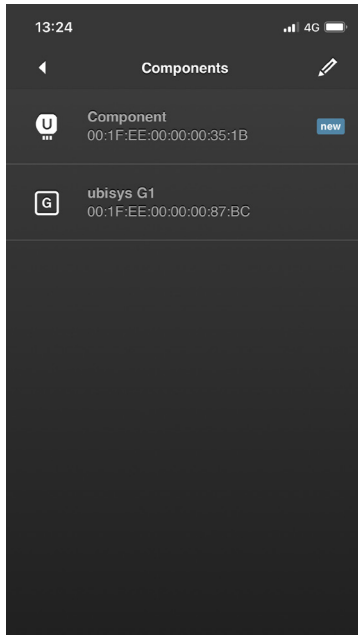
**Note:** Also displayed, is the quality of the Zigbee wireless connection (top left), the battery status (top right) and the current actual temperature (bottom right).



12. At the same time, the app automatically jumps back to the start screen as soon as the H1 is in the Zigbee network. The device is recognized as a new component and displayed accordingly: **1**.



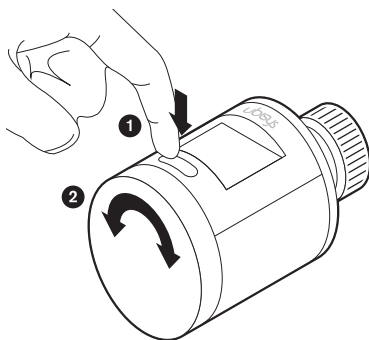
13. After 4 seconds of inactivity, the display will turn off. To „wake up“ the display, press the key or operate the rotary dial.



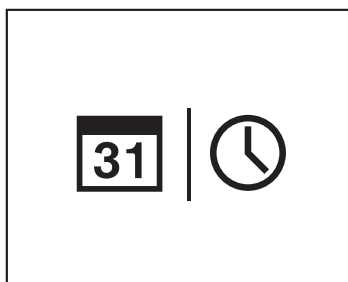
14. To be able to control the H1 via the ubisys Smart Home app, you have to perform two more configuration steps in the app (naming the components and assigning components to a room). Please follow the steps 10 and 11 in the „ubisys Smart Home Quickstart“.

## 2.3 Date and time setting

To be able to create schedules for your Heating Control H1, you must first set the current date and time. Proceed as follows for this:



1. Press and hold the button for 10 seconds to enter the second menu.
2. By operating the rotary wheel, you can switch between the different menu items.

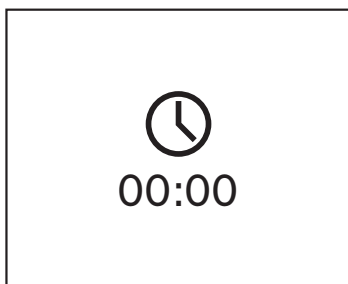


3. Turn the rotary knob until the symbol for „Date | Time“ appears in the display.
4. Press the button to confirm the menu item. The symbol flashes.
5. Press the button again.



6. The date display appears.
7. The first four numbers (year) flash. Select the current year via the rotary knob and confirm via the button.
8. The middle two numbers (month) flash. Select the current month via the rotary wheel and confirm via the button.
9. The last two numbers (day) flash. Use the rotary knob to select the current day and confirm by pressing the button.

**Note:** To cancel the process, press and hold the button for two seconds.



10. The time display appears.
11. The first two numbers (hour) flash. Select the current hour via the rotary knob and confirm via the button.
12. The last two numbers (minutes) flash. Use the rotary knob to select the current minutes and confirm by pressing the button.

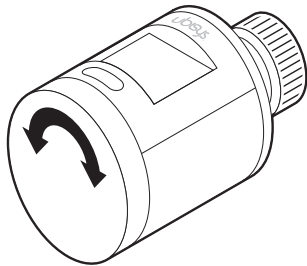
**Note:** To cancel the process, press and hold the button for two seconds.

# Chapter 3

## Set Room Temperature

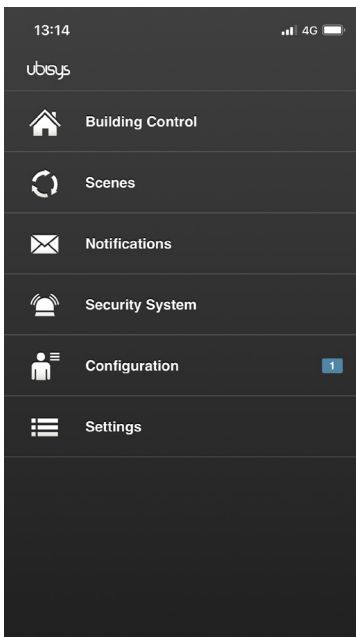
### 3.1 How do I set the desired room temperature?

#### Via the rotary dial



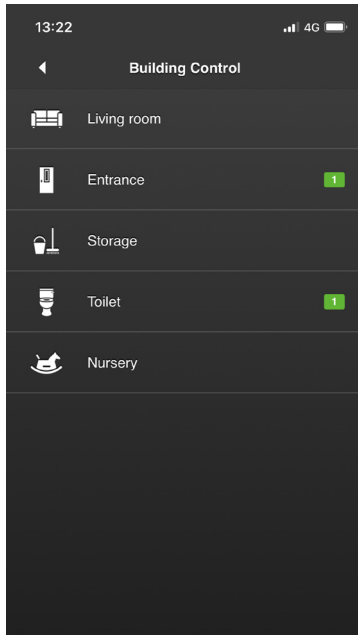
The desired room temperature can be set manually on the device using the rotary dial. Pay attention to the display, which shows you the set temperature (center) and the actual temperature (bottom right).

#### Via ubisys app

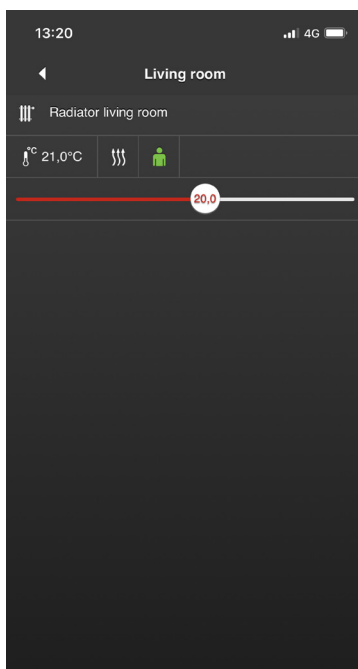


1. Open the ubisys app.
2. Tap on „Building Control“.





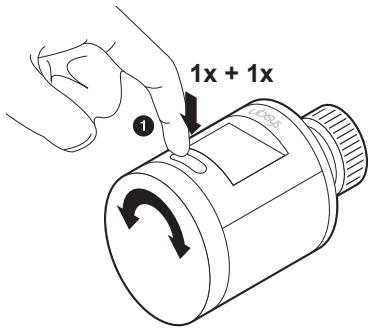
3. Tap on the room where the radiator with the H1 is located.



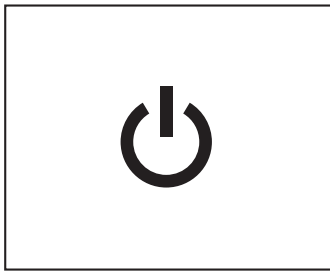
4. To set the desired room temperature, touch the actual temperature displayed [ 21.0°C ].
5. A slider for setting the target temperature will appear. Move the slider to the position with the desired temperature (in this case 20.0°C).

### 3.2 Switch off the heating – and switch on again

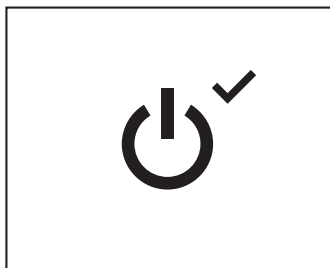
To switch off your heating with a „push of a button“ (e.g. when you leave the house for a longer period of time or at the end of a heating period) proceed as follows:



1. Press the button to activate the display. Press the button again to enter the first menu.



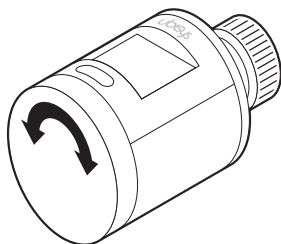
2. Select the symbol for „Switch off“ by turning the rotary wheel and press the button to confirm.



3. A check mark will appear in the upper right corner and your heating will now be switched off and will be in „frost protection“ (approx. 7°C).

The H1 is now in a kind of „sleep mode“ - but is still accessible via the gateway. You may now still change the set temperature in the app, but the device and thus the heating will not respond. Only when you switch on the H1 again, the desired temperature will be set.

#### Switch on heating again



To turn your heater back on, simply set a new target temperature by turning the dial.

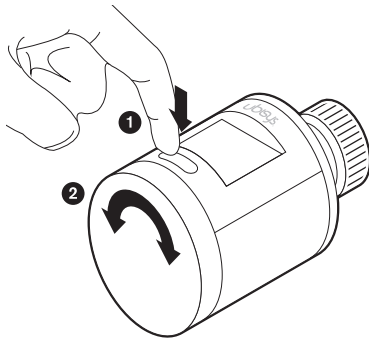
### 3.3 Set temperature offset

Depending on the room conditions, the H1 may measure (and display as actual temperature) a temperature that differs from the real condition in the room:

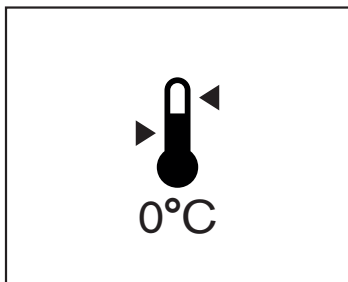
Furniture or curtains in front of the radiator accumulate the heated air. Then the valve closes too early and the room remains cold. Conversely, the H1 may be permanently exposed to drafts, for example. The consequence: The valve remains open although the desired temperature has already been reached - it becomes too warm in the room.

To compensate for such temperature differences, the H1 offers a correction option of up to  $+10^{\circ}\text{C}$  or  $-10^{\circ}\text{C}$ . For example: If it is  $3^{\circ}\text{C}$  warmer in the room than it is displayed on the H1 or in the ubisys app,  $+3^{\circ}\text{C}$  must be entered in the corresponding menu on the H1. If it is  $3^{\circ}\text{C}$  colder in the room,  $-3^{\circ}\text{C}$  must be entered.

To enter a temperature offset at the H1, proceed as follows:



1. Press and hold the button for 10 seconds to enter the menu mode.
2. By operating the rotary wheel, you can switch between the different menu items.



3. Turn the rotary dial until the symbol for „Temperature offset“ (incl. temperature) appears in the display.
4. Press the button again to confirm the menu item.
5. The symbol incl. temperature flashes.
6. Now press the rotary dial to set the correction temperature.
7. As soon as you have made your setting, press the button again to confirm.
8. You will automatically return to the „start page“.

# Chapter 4

# Schedules

## 4.1 What are schedules and how do I create/change them?

Via schedules you have the possibility to create automated heating phases. Programming is done for selected days and within a period of 24 hours (00:00 - 24:00), in which individual heating time windows can be stored. When selecting the days for which you want to create schedules, you can choose between the following options: „Monday - Sunday“, „Monday - Friday and Saturday - Sunday“ or a different schedule for each day of the week. Currently, schedules can only be created via the H1.

### What temperature is automatically set when a heating time window ends?

For example, if you have created only one time window on a day - e.g. 16:00 - 23:00, target temperature: 22°C – and the time window ends, the temperature that was last set manually (on the H1 directly or in the app) is automatically restored. It does not matter whether this temperature was set before or during (see section „Manual overwrite“) the time window. So if you e.g. manually set a target temperature of 18°C before the start of the time window, the H1 automatically resets itself to this value (from 23:00:01).

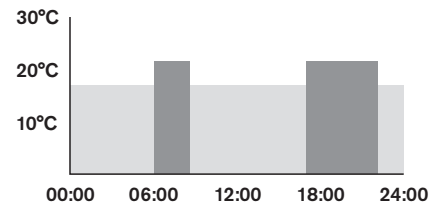
### Manual overwrite

If during the course of the day you do not like the temperature set by a schedule, you can use the dial or the app to adjust the temperature to your needs as usual and temporarily overwrite the settings of your schedule. As soon as the next time window of your schedule is reached, the H1 takes over the preset temperature again. Example (your schedule corresponds to the table below): Around 7:00 p.m., however, you would rather have only 21°C. Accordingly, you make your setting via the H1 or the app. At 10:00 p.m. the temperature is automatically set to 18°C.

### Example of a 24-hour schedule

Monday - Sunday should be heated as follows:

from	00:00	to	06:00	18°C
from	06:00	to	08:00	23°C
from	08:00	to	17:00	18°C
from	17:00	to	22:00	23°C
from	22:00	to	24:00	18°C

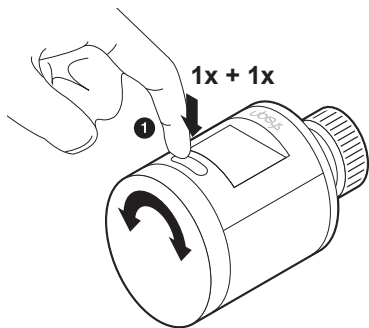


## Create schedule

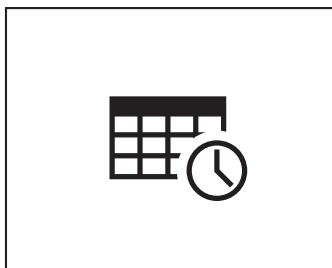
**Note:** To be able to create a schedule, you must have entered the current date and time on your H1 beforehand. If you have not yet done so, you will automatically be guided to the corresponding menu.

**Note:** When creating or modifying a schedule, you can cancel the operation at any time by pressing the button for 2 seconds.

To create a schedule, proceed as follows:



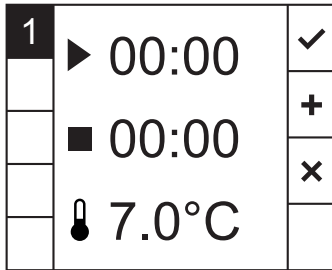
1. Press the button to activate the display. Press the button again to enter the first menu.



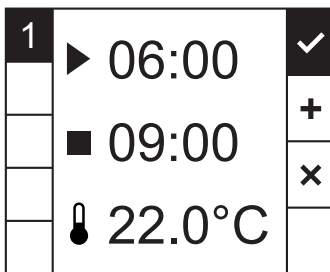
2. Select the „Schedule“ icon by turning the dial and press the button to confirm.



3. Select the desired days of the week by turning the dial and press the button to confirm (e.g. MON-SUN = Monday to Sunday).



4. The parameters for the first (1) time slot of your schedule appear: Start time (▶), stop time (■), target temperature (🌡).
5. The icon for the start time flashes (▶): Set the start time using the rotary dial and confirm it by pressing the button.
6. The icon for the stop time flashes (■): Set the stop time using the rotary dial and confirm it by pressing the button.
7. The icon for the target temperature flashes (🌡): Set the target temperature using the rotary dial and confirm it by pressing the button.

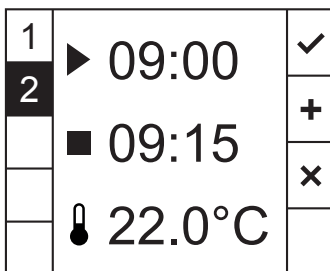


8. After you have made your settings, the check mark at the top right is highlighted. By turning the rotary dial and confirming by pressing the button, you can now choose between the following options in the right column:

**Save and quit (✓):** Your settings are saved and you do not want to create another time slot. You will be redirected to the summary of your schedule.

**Save and continue (+):** Your settings will be saved and you will be forwarded to the next time slot to create more slots.

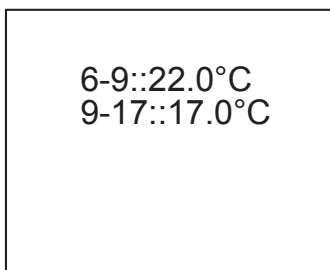
**Cancel (X):** Process is canceled and all settings for the current time slot are revoked.



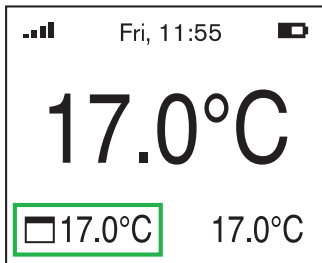
9. If you have selected the „save and continue“ (+) option, you will be taken to the page for the second time slot (2).
10. Repeat points 5-7 for your second slot.
11. See point 8.

**Note:** If you select the „Cancel (X)“ option, only the settings for the current time slot will be canceled.

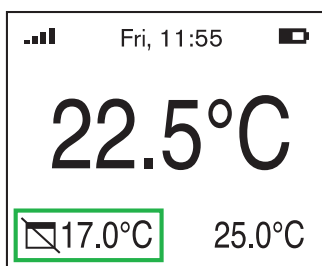
12. Continue until you have occupied all desired time slots (max. 5).



13. As soon as you have saved the last setting of your schedule, you will be redirected to an overview page. After approx. three seconds, the display is deactivated. When you activate the display again via the button or the rotary dial, you will be on the start page.



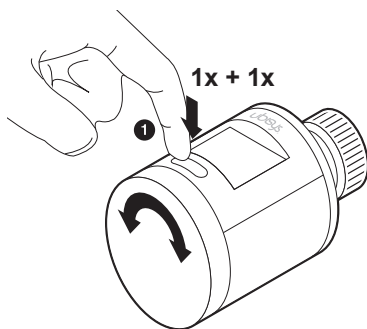
14. If a slot of your schedule is active (in this case: 9.00-17.00, 17.0°C), a corresponding note appears on the start page (see green frame).



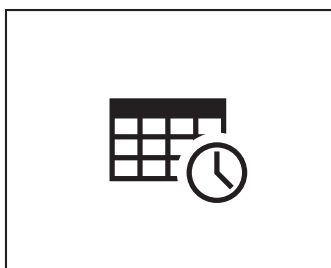
15. If you adjust the temperature manually during an active slot and thus briefly overwrite the temperature defined by the schedule, a corresponding note will also appear on the start page (see green frame).

#### Change/delete already created schedule

To adjust a schedule that has already been created, proceed as follows:



1. Press the button to activate the display. Press the button again to enter the first menu.

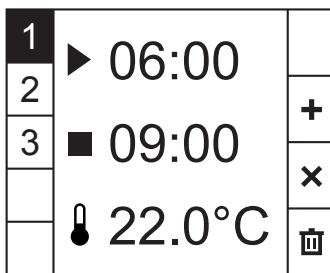


2. Select the „Schedule“ icon by turning the dial and press the button to confirm.





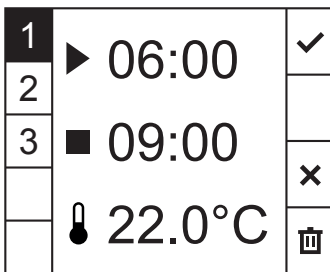
3. Select the day(s) of the week you want to change by turning the dial and press the button to confirm (e.g. MON-SUN = Monday to Sunday).



4. In the left column you can see the number (1-3) of your created slots with a dark 1. If you want to edit/delete your first slot, press the button.  
By turning the rotary dial you can switch to another slot. To edit, press the button.

Or use the rotary dial to switch to the following options (selected = dark background) and then also confirm by pressing the button:

- (+): Add slot
- (x): Cancel
- (🗑️): All slots (1-3) will be deleted



5. If you have selected a slot by pressing the button (selected = dark background) to change it, follow the points 5-7 from the section „**Create schedule**“.

Other options that you can select by turning the dial and then confirm with the button can be found in the right column:

**Save and quit** (✓): Changes are saved.

**Cancel** (x): Process will be canceled. If you have made new settings, these will be revoked.

**Delete** (🗑️): The currently selected time slot will be deleted.

**Note:** To be able to select the options in the right column, you must have confirmed start time (▶), stop time (■) and target temperature (🌡️) by button.

1	▶ 06:00	
2		+
3	■ 09:00	▶
	🌡 22.0°C	🗑

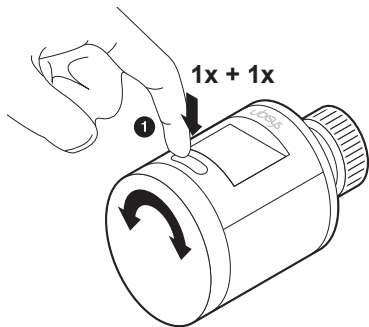
6. Once you have saved the last change to your schedule, you can exit the menu by the „next“ symbol (▶) in the right column. All your settings will be saved.



7. You are on the „Weekday“ page. To make further settings, operate the rotary dial and/or press the button. To return to the start page, wait approx. 3 seconds or press and hold the button for approx. 2 seconds.

## 4.2 How do I pause a schedule (vacation mode)?

If you are planning to go on vacation, for example, you have the option to suspend your schedule for the duration of your absence. To do this, proceed as follows:



1. Press the button to activate the display. Press the button again to enter the first menu.

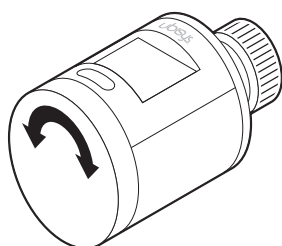


2. Select the „Vacation mode“ icon by turning the dial and press the button to confirm.



3. A check mark will also appear in the upper right corner. Your current schedule is now paused and your heating is deactivated.
4. The set temperature is now automatically regulated to approx. 16°C.

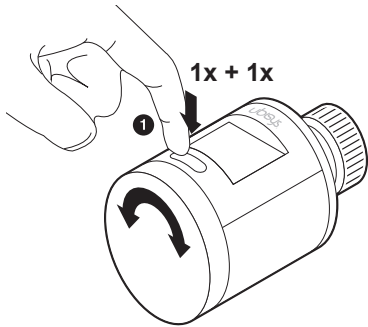
### End vacation mode



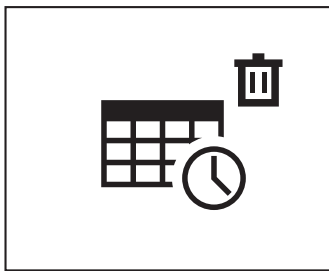
To end the „vacation mode“, simply set a new target temperature by turning the rotary dial. Your time schedules are now also active again.

### 4.3 Delete all schedules

You have the possibility to delete all the schedules you have created with a „push of a button“. To do this, proceed as follows:



1. Press the button to activate the display. Press the button again to enter the first menu.



2. Select the „Delete all schedules“ icon by turning the dial and press the button to confirm.
3. All schedules are deleted.

# Chapter 5

## More Functions and Information

## 5.1 Cancel operation/exit menu

If you are in one of the two menus, you can use the button to return to the start page at any time. To do this, press and hold the button for approx. 2 seconds. The same applies to operations/settings that you want to cancel (such as create/change schedule, set date/time, etc.).

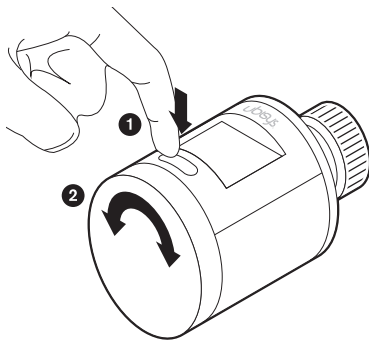
## 5.2 Updates

ubisys regularly provides free software updates for the H1. These may contain new functions or possible error corrections. For this you need the ubisys gateway G1 or another Zigbee capable gateway.

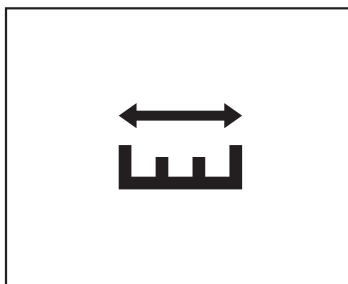
The H1 has an over-the-air update function, i.e. the device can be supplied with new firmware versions via the gateway using Zigbee radio technology.

## 5.3 Calibrate the H1

The H1 is automatically calibrated during initial commissioning. To calibrate the device (again) during operation, proceed as follows:

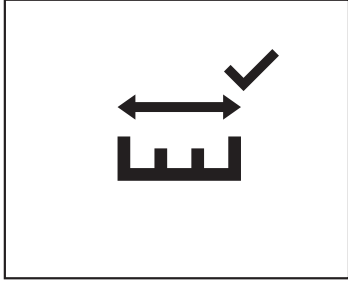


1. Press and hold the button for 10 seconds to enter the second menu.
2. By operating the rotary dial you switch between the different menu items.

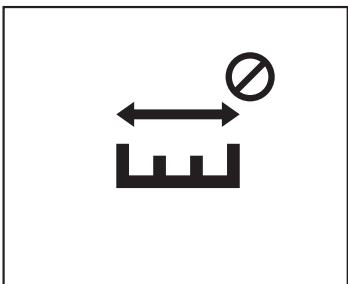


3. Turn the rotary knob until the symbol for „Calibrate“ appears in the display.
4. Press the button again to confirm the menu item.
5. The symbol flashes.
6. Press the button again to confirm.
7. The device is automatically calibrated (motor sounds are heard).

To abort at point 5, turn the dial to the left or right and the operation will be aborted and you will return to the menu mode.



8. After successful calibration, a corresponding symbol appears in the display.



9. If this symbol appears in the display, the process was not successful. In this case, please perform the calibration again.

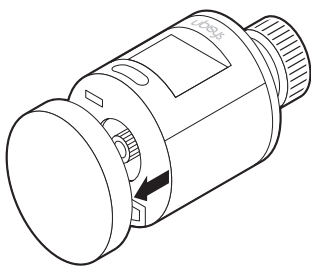
If the calibration process fails again, there may be a problem with your heating valve:

- Your heating valve is stuck, so that the H1 cannot move it in.
- Your heating valve is too long so that the H1 cannot start the calibration process.

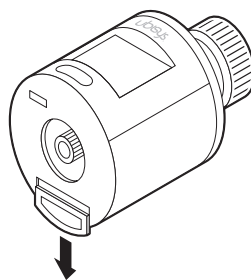
## 5.4 Changing the batteries

If the device no longer responds properly, it may be due to a low battery. To do this, please check the battery indicator at the top right of the display. To change the batteries, please proceed as follows:

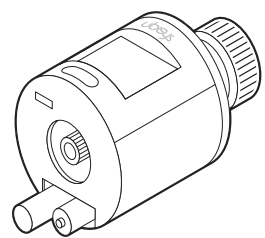
1

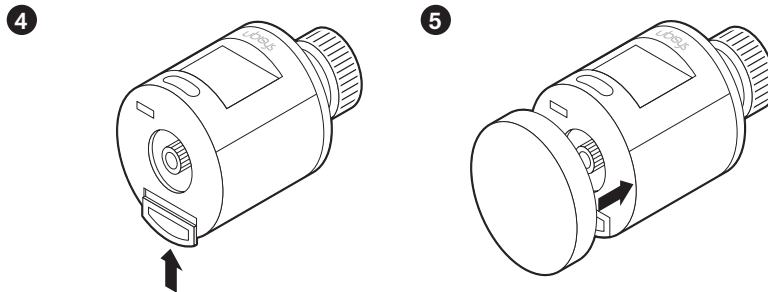


2



3





1. Remove the rotary dial (simply pull it off).
2. Remove the battery cover.
3. Replace the batteries (please ensure correct polarity).
4. Close the battery compartment.
5. Put the rotary dial back on.

## 5.5 Finding/Binding

Finding/Binding is essentially used to let Zigbee devices communicate with each other – usually when no gateway is present. If a gateway is present, it takes over the communication.

At the H1 you have the possibility to configure it as „initiator“ or as „target“ (by selecting the corresponding icon in the menu).

### Example for Finding/Binding (Scenario: Heating control H1 is connected to a wall thermostat):

#### The H1 is configured as „initiator“:

When an attribute (e.g. setpoint temperature) is changed at H1, a report with the value is generated and sent to the wall thermostat. In this case, the wall thermostat is the „target“.

#### The H1 is configured as „target“:

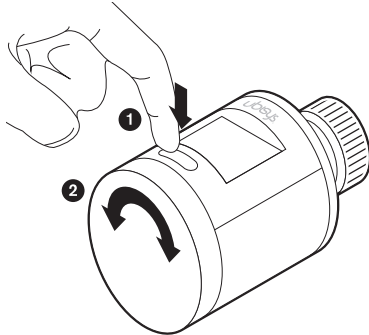
When an attribute (e.g. setpoint temperature) is changed at the wall thermostat, a report with the value is generated and sent to the H1. In this case the H1 is the „target“.

### Example of another scenario:

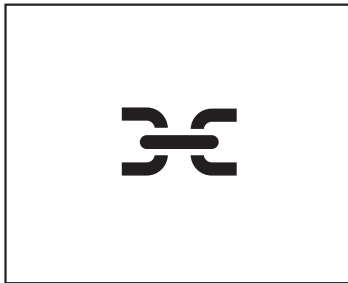
An H1 (configured as „initiator“) could control further H1s (configured as „targets“) via a „finding/binding“ (without the presence of a gateway), so that when the set temperature on the „initiator“ is changed, the set temperature on the „target“ is adjusted at the same time.

To create a finding/binding, proceed as follows:

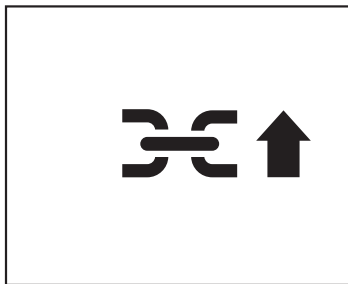




1. Press and hold the button for 10 seconds to enter the second menu.
2. By operating the rotary wheel you switch between the different menu items.

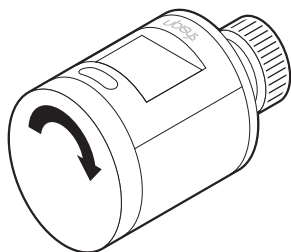


3. Turn the dial until the symbol for „Finding/Binding“ appears in the display.
4. Press the button again to confirm the menu item.
5. The symbol flashes.
6. Press the button again to confirm.



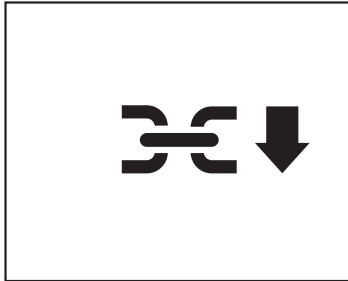
7. The icon for „Finding/Binding“ appears with an arrow pointing upwards.
8. Press the button again to configure the device as „Initiator“. In this case, the device can send „Attribute Reports“ to other devices. **If you want to define the device as „Target“, continue with point 9.**

If you want to cancel now, press the button. You will then return to the menu mode.



9. Operate the rotary wheel to the right.

If you turn the rotary knob to the left, the process will be is canceled and you return to the menu mode.

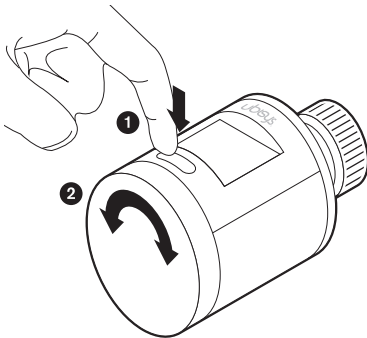


10. The icon for „Finding/Binding“ appears with an arrow pointing down.
11. Press the button to configure the device as a „Target“. In this case, the device can receive „attribute reports“ from other devices.

If you want to cancel now, press the button. You will then return to the menu mode.

## 5.6 Unmounting

In order to facilitate the disassembly, you should allow the ram of the H1 to retract. Proceed as follows for this:

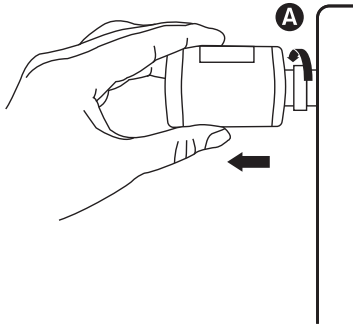


1. Press and hold the button for 10 seconds to enter the second menu.
2. By operating the rotary dial you switch between the different menu items.



3. Turn the rotary dial until the symbol for „Unmount“ appears in the display.
4. Press the button again to confirm the menu item.
5. The symbol flashes.
6. Press the button again to confirm.
7. You will hear the tappet of the H1 being retracted.

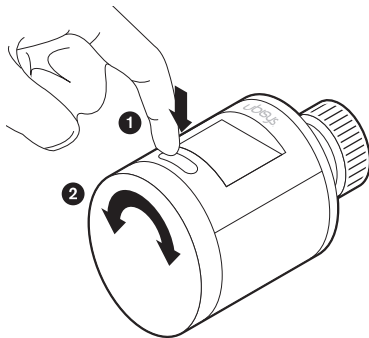
To cancel the operation (at 4. or 5.), operate the rotary dial.



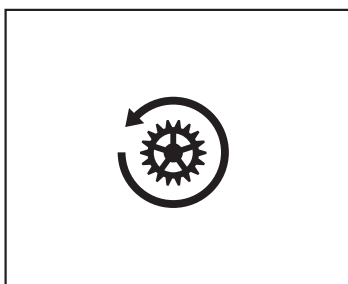
8. As soon as the process is completed, the symbol disappears and you can unmount the H1.

## 5.7 Factory reset

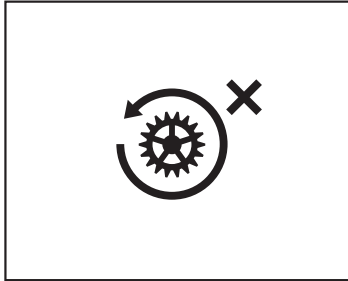
In case of unexpected problems with your H1 that cannot be solved by means of the standard settings, you may reset the device to factory settings. This resets the H1 to the factory settings. Proceed as follows:



1. Press and hold the button for 10 seconds to enter the second menu.
2. By operating the rotary wheel you switch between the different menu items.

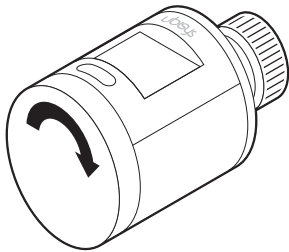


3. Turn the rotary dial until the symbol for „Factory reset“ appears in the display.
4. Press the button again to confirm the menu item.
5. The symbol flashes.
6. Press the button again to confirm.



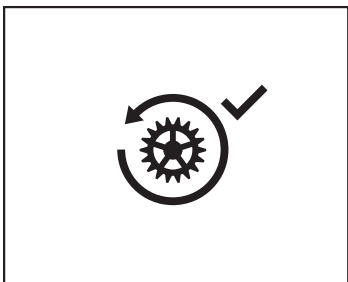
7. The symbol for „Factory reset“ with a cross appears.

If you want to cancel now, press the button. You will then return to the menu mode.



8. Turn the rotary dial to the right.

If you turn the rotary dial to the left, the process will be canceled and you return to the menu mode.



9. The symbol for „Factory reset“ appears with a check mark.  
10. Press the button.  
11. The device is reset to factory settings.

## 5.8 Overview of the symbols on the display and their meaning



**Power on**

Displayed when the device boots up (at the beginning).



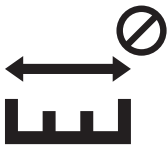
**Calibrate**

Measurement process for matching the H1 tappet to the radiator valve.



**Calibrate**

Calibration was completed successfully.



**Calibrate**

Calibration was not completed successfully.



**Join Zigbee network**

The device is trying to join a Zigbee network.



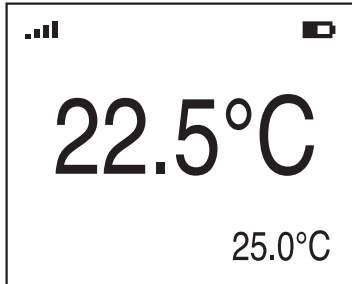
**Switch off**

The heating is/will be switched off and is in „frost protection“ (approx. 7°C).



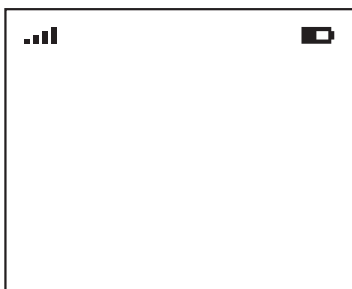
**Switch off**

Device is switched off (frost protection, approx. 7°C).



**Room temperature**

Display of the set room temperature (center) and the actual room temperature (bottom right).



**Radio (top left of display)**

Indicates the quality of the Zigbee radio connection.

**Battery (top right of display)**

Shows the battery status:

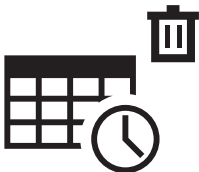
Battery symbol much filled = battery level high

Battery symbol little filled = battery level low



**Schedule**

Offers the possibility to create automated heating phases.



**Delete all schedules**

Deletes all created schedules.

Symbols/functions that are rarely used:



**Date | Time**

To set the current date and time.



**Temperature offset**

In case of temperature differences within the room to be heated, a correction temperature can be set here.



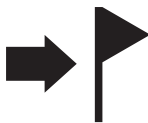
**Vacation mode**

Lets pause schedules and heating is/will be regulated to approx. 16°C.



**Vacation mode**

Vacation mode is active.



**Identify**

The device identifies itself in order to be able to locate it (only appears in combination with an app).



**Open Zigbee network**

Function to open a Zigbee network in order to add further devices to the network. This feature is primarily used to fulfill certification-relevant requirements. This function is not used in everyday use.



**Finding/Binding**

The device shall get its function („initiator“ or „target“) during the finding/binding process within the Zigbee network.



**Finding/Binding**

The device assumes the function of an „initiator“ during the finding/bin-  
ding process within the Zigbee network.



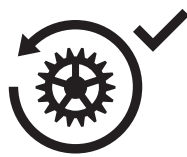
**Finding/Binding**

The device assumes the function of an „target“ during the finding/bin-  
ding process within the Zigbee network.



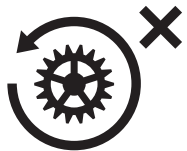
**Factory reset**

The device is to be reset to factory settings.



**Factory reset**

Security query, whether the device should really be reset to factory  
settings.



**Factory reset**

Security query whether the factory reset should be canceled.



**Unmounting**

The device retracts the plunger completely to facilitate dismounting.



## 5.9 Maintenance

The smart heating controller H1 is maintenance-free for the user except for battery replacement. As soon as the low battery condition is signaled in the display or in the ubisys smart home app, the batteries must be replaced. The surface must not be cleaned with sponges and scouring agents. This will result in scratches or a dull surface. Only use a damp, non-fluffy cloth and no abrasives or cleaning agents for cleaning.

## 5.10 Disposal



The H1 and batteries do not belong in normal household waste. They must be disposed of in accordance with the country-specific guidelines and laws. This way you ensure the protection of the environment and support a sustainable recycling of raw materials.

## 5.11 Contact

**ubisys technologies GmbH**  
Neumannstr. 10  
40235 Düsseldorf  
Germany

**T** +49. 211. 54 21 55 – 00

**F** +49. 211. 54 21 55 – 99

[support@ubisys.de](mailto:support@ubisys.de)

[www.ubisys.de](http://www.ubisys.de)