



homematic IP HmIPW-WTH Wired Wall Thermostat with Humidity Sensor Instruction Manual

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homematic HmIPW-WTH Wired Wall Thermostat with Humidity Sensor Instruction Manual

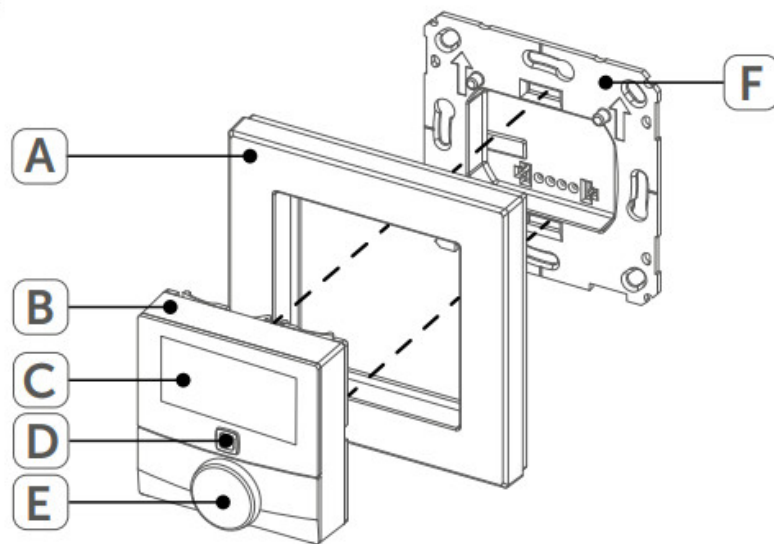
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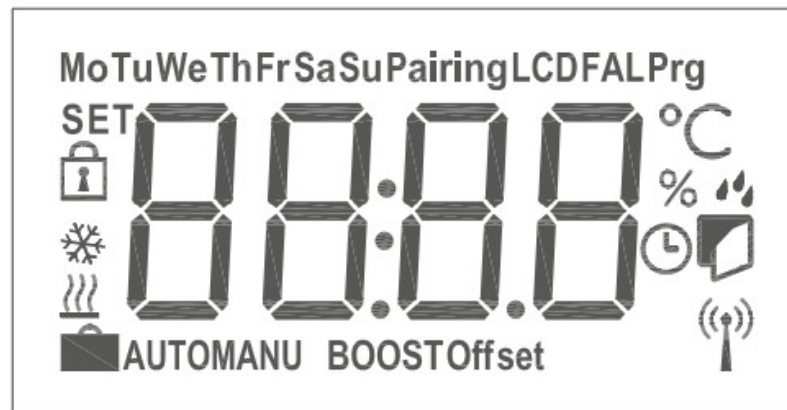
HmIPW-WTH Wired Wall Thermostat with Humidity Sensor



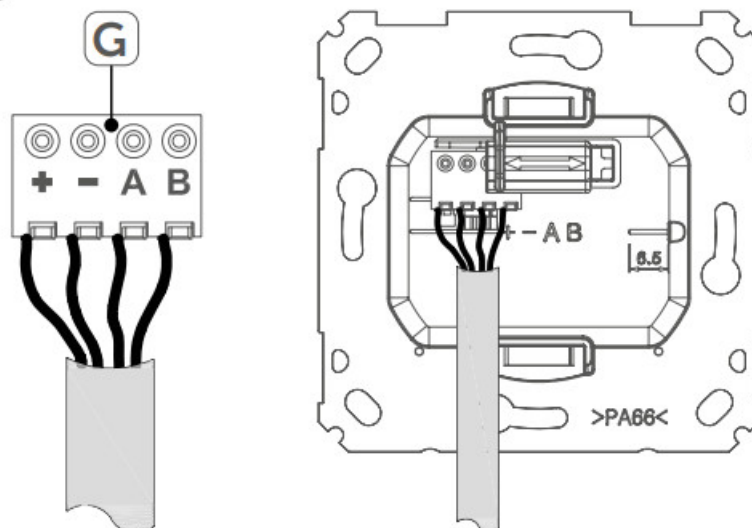
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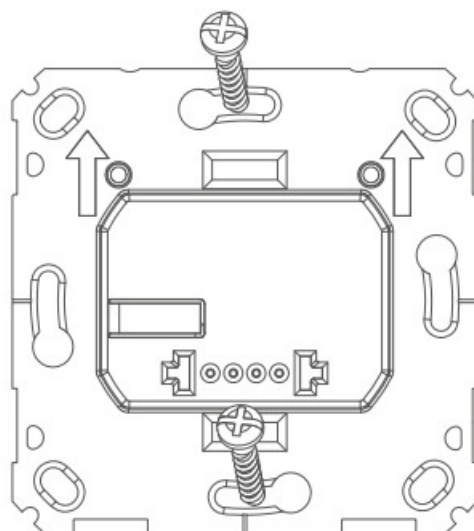
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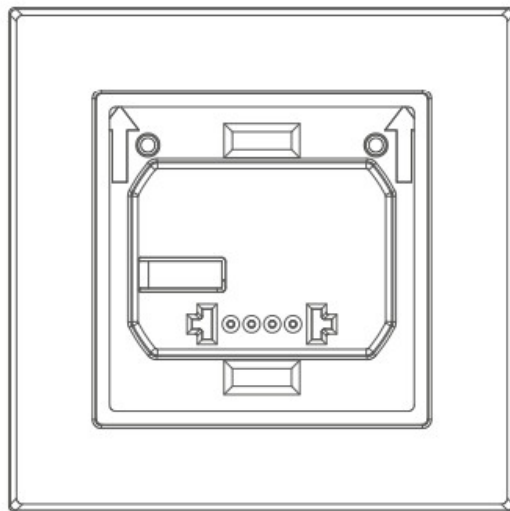
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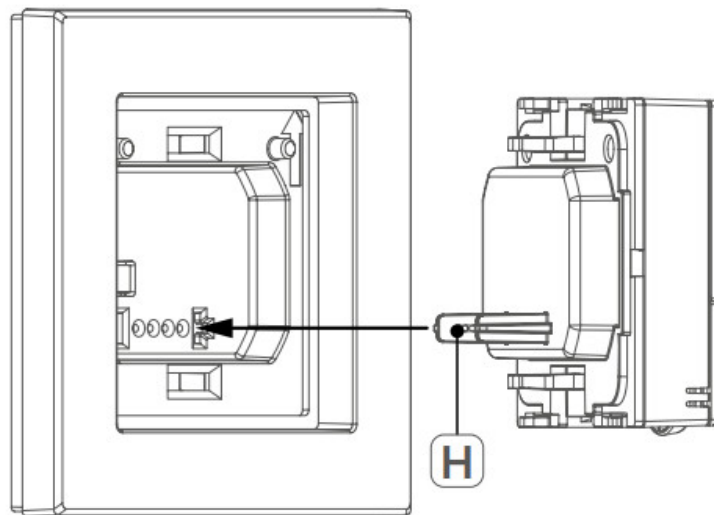
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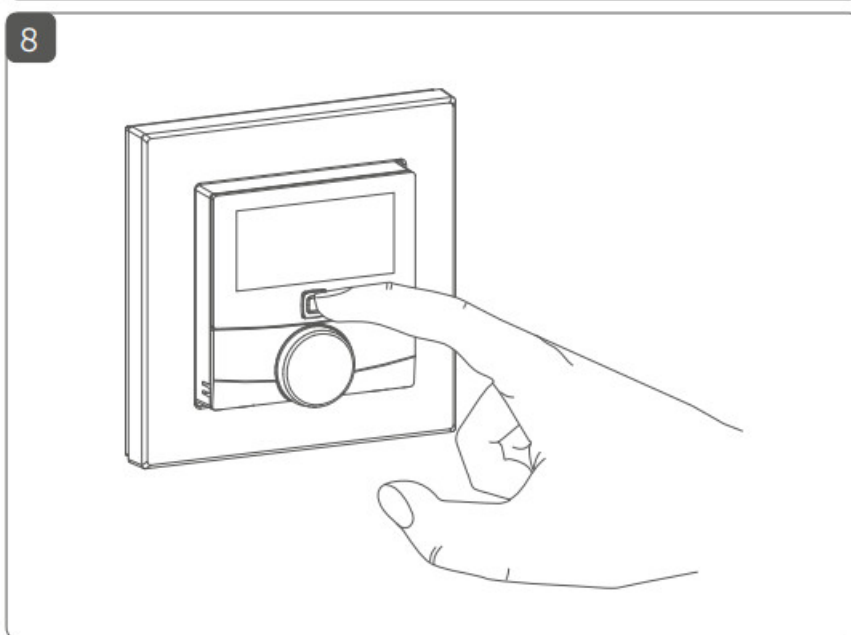
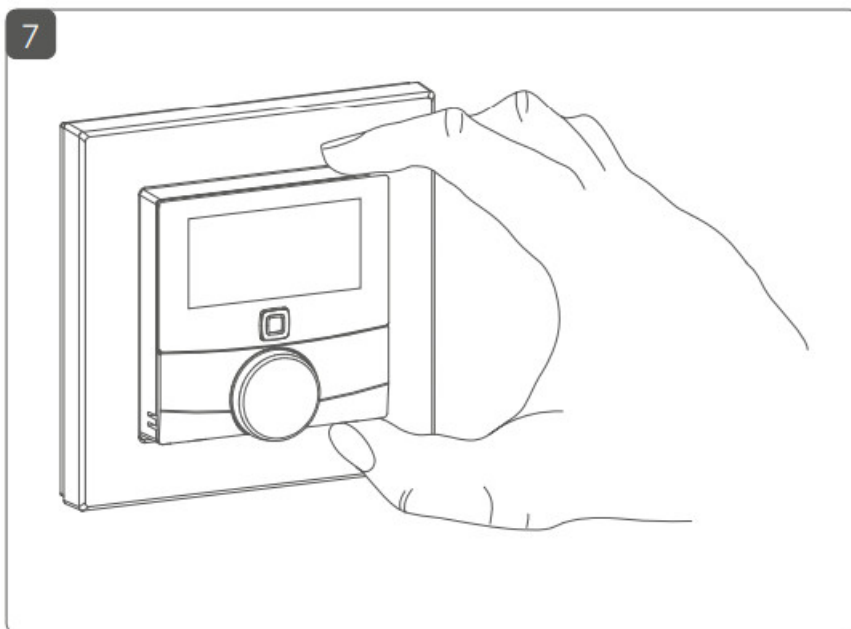


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Quantity	Description
1	Hematic IP Wired Wall Thermostat with Humidity Sensor
1	Clip-on frame
1	Mounting plate
2	Screws 3.2 x 15 mm
2	Screws 3.2 x 25 mm
1	User manual

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Information about this manual

Please read this manual carefully before beginning operation with your Hematic IP Wired component. Keep the manual so you can refer to it at a later date if you need to. If you hand over the device to other persons for use, please hand over this manual as well.

Symbols used:



Attention!

This indicates a hazard.



Please note: This section contains important additional information.

Hazard information



Do not open the device. It does not contain any parts that can be maintained by the user. If you have any doubts, have the device checked by an expert.



For safety and licensing reasons (CE), unauthorized change and/or modification of the device is not permitted.



Do not use the device if there are signs of damage to the housing, control elements or connecting sockets, for example. If you have any doubts, have the device checked by an expert.



The device may only be operated in dry and dust-free environment and must be protected from the effects of moisture, vibrations, solar or other methods of heat radiation, cold and mechanical loads. The device is not a toy; do not allow children to play with it. Do not leave packaging material lying around. Plastic films/bags, pieces of polystyrene, etc. can be dangerous in the hands of a child.



We do not assume any liability for damage to property or personal injury caused by improper use or the failure to observe the hazard information. In such cases, any claim under warranty is extinguished! For consequential damages, we assume no liability!



When connecting to the device terminals, take the permissible cables and cable cross sections into account.



The device is part of the building installation. The relevant national standards and directives must be taken into consideration during planning and set-up. The device is intended for operation within the Hematic IP Wired bus only. The Hematic IP Wired bus is a SELV power circuit. Common cable routing for power supply and the Hematic IP Wired bus in installation or junction boxes is not permitted. The required isolation for power supply of the building installation to the Hematic IP Wired bus must be observed at all times. Noncompliance with the installation instructions can cause fire or introduce other hazards.



The device may only be used for fixed installations. The device must be securely attached within a fixed installation.



Observe the installation instructions for installation in distribution systems (DIN VDE 0100-410).



The device may only be operated within domestic environment, in business and trade areas as well as in small enterprises.



Using the device for any purpose other than that described in this operating manual does not fall within the scope of intended use and shall invalidate any warranty or liability.

Function and device overview

The Hematic IP Wired Wall Thermostat offers time controlled regulation of floor heating systems in connection with Hematic IP Floor Heating Actuators according to individually tailored heating phases. The wall thermostat serves to measure the temperature and humidity in a room. The data is cyclically transmitted to floor heating actuators in order to regulate the room temperature precisely.

Device overview (see figure 1):

- (A) Clip-on frame
- (B) Electronic unit (thermostat)
- (C) Display
- (D) System button (pair button and LED)
- (E) Control wheel
- (F) Mounting plate

Display overview (see figure 2):

°C	Set/actual temperature
%	Humidity
💧	Warning about condensation
🪟	Open window symbol
📶	Radio transmission
BOOST	Boost function
MANU	Manual operation
AUTO	Automatic mode
👜	Holiday mode
🔥	Heating
❄️	Cooling
🔒	Operating lock
SET	Setpoint temperature



You will find a description of all symbols in section „6 Operating modes and configuration“ on page 63.

General system information

This device is part of the Hematic IP smart home system and works with the Hematic IP protocol. All devices of the system can be configured comfortably and individually with the user interface of the Central Control Unit CCU3 or flexibly via the Hematic IP smartphone app in connection with the Hematic IP cloud. All available functions provided by the system in combination with other components are described in the Hematic IP Wired Installation Guide. All current technical documents and updates are provided at www.eQ-3.com.

Start-up

5.1 Installation instructions



Since the power of the bus is supplied by the Homematic IP Wired Access Point (HmIPWDRAP) you will need to set-up a Homematic IP Wired Access Point for power supply first.



Before installation, please note the device number (SGTIN) labelled on the device as well as the exact

application purpose in order to make later allocation easier. You can also find the device number on the QR code sticker supplied.



Please note the insulation stripping length of the conductor to be connected, indicated on the device.



Please observe the hazard information in section „2 Hazard information“ on page 47 during installation.



Please note! Only to be installed by persons with the relevant electro-technical knowledge and experience!*

Incorrect installation can put

- your own life at risk;
- and the lives of other users of the electrical system.

Incorrect installation also means that you are running the risk of serious damage to property, e.g. because of a fire. You may be personally liable in the event of injuries or damage to property.

Contact an electrical installer!

*Specialist knowledge required for installation:

The following specialist knowledge is particularly important during installation:

- The “5 safety rules” to be used:
Disconnect from mains; Safeguard from switching on again; Check that system is deenergized; Earth and short circuit; Cover or cordon off neighboring live parts;
- Select suitable tool, measuring equipment and, if necessary, personal safety equipment;
- Evaluation of measuring results;
- Selection of electrical installation material for safeguarding shut-off conditions;
- IP protection types;
- Installation of electrical installation material;
- Type of supply network (TN system, IT system, TT system) and the resulting connecting conditions (classical zero balancing, protective earthing, required additional measures etc.).

Permitted cable cross sections for connecting to the wall thermostat are: Rigid cable: 0.12-0.50 mm²



For reasons of electrical safety, only the following cables must be used for connecting to the Homematic IP Wired bus:

- Telephone cable J-Y(ST)Y with 2 x 2 x 0.8 (= 0.5 mm²) or 4 x 2 x 0.8 (= 0.5 mm²), shielded, TP
- Ethernet installation cable S/FUTP, Type Cat5e or higher with 2 x 2 x AWG22 (= 0.34 mm²) or 4 x 2 x AWG22 (= 0.34 mm²), shielded, TP



The shield (continuity wire) must be connected at the bus connection of the Wired Access Point (HmIPW-DRAP) to “–” (=GND). The shield may not be connected to the wall thermostat.

5.2 Installation



The bus is supplied by the Homematic IP Wired Access Point (HmIPW-DRAP). For further information, please refer to the operating manual of the Wired Access Point.

For the installation, please proceed as follows:

- Connect the Homematic IP Wired bus to the bus connecting terminals (G) (see fig. 3). For connection and

removal of individual wires, use a small screwdriver to press down the orange clamp.

- Place the mounting plate (F) into the flushmounted box and fix it to the flush-mounted box using the supplied screws (see figure 4).
- Place the frame of your existing switch series or the supplied clip-on frame (A) on the mounting plate (A) (see figure 5).
- Place the electronic unit (B) of the wall thermostat into the frame, by properly engaging the connection pins (H) into the appropriate bracket of the mounting plate (see figure 6+7).

5.3 Installation in multiple combinations

You can mount the wall thermostat with the attachment frame (A) provided or use it with frames of other manufacturers as well as integrate the electronic unit (B) into a multi-gang frame. For mounting with multiple combinations, make sure that the mounting plate of the wall thermostat is seamlessly aligned to the already fixed mounting plate/retaining ring. Frames of the following manufacturers can be used:

Manufacturer	Frame
Berker	S.1, B.1, B.3, B.7
Busch Jaeger	carat*, future linear*, solo*, Busch- accent*, Busch-dynasty*, balance SI
ELSO	Joy
GIRA	Standard 55, E2, E22, Event, Esprit, Classics, E3
marten	1-M, Atelier-M, M-Smart, M-Arc, M-Star, M-Plan, M-Pure, System Antik*, System Fleche*, System Design*
JUNG	A 500, AS 500, A plus, A creation
Kopp	Athens

*with 55 mm intermediate frames of the manufacturer

5.4 Pairing



Please read this entire section before starting the pair procedure.



For detailed information about the setup and control options, please refer to the Hematic IP Wired

Installation Guide.

To integrate the wall thermostat into your system and enable it to communicate with other devices, you must teach it in first. The following set-up and control possibilities are available for the wall thermostat:

Direct pairing

You can directly connect the wall thermostat to the floor heating actuator. The configuration is then directly carried via the wall thermostat (see „5.4.1 Pairing with a Hematic IP Floor Heating Actuator“ on page 58).

Connecting to the Central Control Unit CCU3

For local, software-based configuration and control via PC you have the possibility to connect the wall thermostat to the Central Control Unit CCU3 and use it in extensive programs (see „5.4.2 Connecting to the CCU3“ on page 59).

Connecting to the Hematic IP cloud

For flexible control via the free smartphone app, you can connect the wall thermostat to the Hematic IP cloud (see „5.4.3 Connecting to the Hematic IP cloud via Wired Access Point“ on page 61). You can

- control the wired system via smartphone app using the Hematic IP Wired Access Point (HmIP-PW-DRAP) or
- combine wired devices with wireless Hematic IP devices via the Hematic IP Access Point (HmIP-HAP).

5.4.1 Pairing with a Hematic IP Floor Heating Actuator



You can cancel the pairing procedure by briefly pressing the system button (D) again. This will be indicated by the device LED (D) lighting red.



If no add operations are carried out, pair mode is exited automatically after 30 seconds. If you want to pair the wall thermostat with a Hematic IP Wired Floor Heating Actuator, the pairing mode of both devices has to be activated first. To do this, proceed as follows:

- Select the required channel on the floor heating actuator that you want to connect to the wall thermostat. For further information, please refer to the operating manual of the floor heating actuator.
- Press and hold down the system button of the floor heating actuator for 4 s until the LED quickly starts flashing orange. The pairing mode of the selected channel remains activated for 3 minutes.
- Press and hold down the system button (D) of the wall thermostat for at least 4 seconds to activate the pairing mode (see fig. 3). The device LED flashes orange.

The device LED (D) lights up green to indicate that pairing has been successful. If pairing failed, the device LED (D) lights up red. Please try again.

5.4.2 Connecting to the CCU3

To enable software-based and comfortable control and configuration and for using the device in central control unit program, it has to be connected to the WebUI. To connect the wall thermostat to the Central Control Unit CCU3, proceed as follows:

- Set up your Central Control Unit CCU3 as described in the operating manual and connect the Homematic IP Wired Access Point.
- Start the user interface WebUI on your computer.
- Click the “Add devices” button on the right-hand side of the screen.



- To activate pair mode, click “Add HmIP device” in the next window. The pair mode of the Central Control Unit will be activated for 60 seconds. An information box shows how much pair time remains.

Teach-in devices	
Homematic	<p>Direct teaching-in of Homematic device</p> <p>To teach-in a Homematic device to the CCU please click on "Teach-in HM device". Teach-in mode of the CCU remains activated for 60 seconds. Meanwhile, please activate the teach-in mode of the Homematic device you want to teach-in as well.</p> <p>Teach-in mode not active Teach-in HM device</p>
Homematic IP	<p>Teaching-in of Homematic device with serial number</p> <p>To teach-in a Homematic device with the serial number, please enter the serial number of your device and click on "Teach-in HM device".</p> <p>Please note! Not all Homematic devices support teaching-in via serial number.</p> <p>Serial number <input type="text"/> Teach-in HM device</p>
	<p>Teaching-in of Homematic IP device with active Internet connection</p> <p>Homematic IP devices can be taught-in to the CCU as well. Please click on the button "Teach-in HmIP device". Teach-in mode of the CCU remains activated for 60 seconds. Meanwhile, please activate the teach-in mode of the Homematic IP device you want to teach-in as well.</p> <p>Teach-in mode not active Teach-in HmIP device</p>
	<p>Teaching-in of Homematic IP device without Internet connection</p> <p>Homematic IP devices can be taught-in to the CCU also without active Internet connection. Please enter the KEY and the SGTIN and click on "Teach-in HmIP device (local)".</p> <p>KEY <input type="text"/></p> <p>SGTIN <input type="text"/></p> <p>Teach-in mode not active Teach-in HmIP device (local)</p>
<p>Back Inbox (0)</p>	

- After establishing the power supply, the pair mode of the wall thermostat remains activated for 3 minutes.



You can manually start the pair mode for another 3 minutes by pressing the system button (D) briefly (see figure 8).

- Please wait until add is completed.
- If adding was successful, the LED (D) lights up green. The device is now ready for use.
- If the LED lights up red, please try again.
- After a short time, the newly connected device appears in the inbox of your software interface.

Newly connected devices and the corresponding channels are ready for operation and configuration only after they have been configured in the inbox. You will find further information in the Homematic IP Wired Installation Guide, available for download at www.eQ-3.com.



For operation without Internet connection, please select the option "Adding of Homematic IP device without Internet connection". Please enter the SGTIN and key of the device into the corresponding fields. You will find the SGTIN and the key on the supplied sticker. Please keep the sticker in safe place.

5.4.3 Connecting to the Homematic IP cloud via Wired Access Point

If you want to control your Homematic IP Wired devices flexibly via smartphone app, they can be connected to the Homematic IP cloud. To do this, please proceed as follows:

- Open the Homematic IP app on your smartphone.
- Connect the Homematic IP Wired Access Point via the smartphone app to the Homematic IP cloud, as described in the corresponding user manual
- Select the menu item "Add device".
- After establishing the power supply, the pair mode of the wall thermostat remains activated for 3 minutes.



You can manually start the pair mode for another 3 minutes by pressing the system button (D) briefly (see figure 8).

- Your device will automatically appear in the Homematic IP app.
- To confirm, please enter the last four digits of the device number (SGTIN) in your app or scan the QR code. Therefore, please see the sticker supplied or attached to the device.
- Please wait until add is completed.
- If adding was successful, the LED (D) lights up green. The device is now ready for use.

- If the LED lights up red, please try again.
- Select the desired solution for your device.
- In the app, give the device a name and allocate it to a room.



If you are already using Hematic IP devices in your smart home system or if you want to combine your Hematic IP Wired devices with wireless Phonematic IP components, you can also connect the Hematic IP Wired devices to an (installed) Access Point. Therefore, connect the Hematic IP Wired Access Point to the (installed) Hematic IP Access Point, as described in the user manual. Afterwards, please proceed as described above to connect the wall thermostat.





Operating modes and configuration

After adding and mounting the device, you can individually adjust the settings to your personal needs via the configuration menu. To do this, proceed as follows:

- Press and hold down the control wheel (E) to open the configuration menu.
- Select the desired symbol by turning the control wheel and pressing it briefly if you want to adjust the settings of the following menu items.



Press and hold down the control wheel to get back to the previous level. The menu automatically closes without applying changes if there is no operation for more than 1 minute.

6.1	AUTO	Automatic mode
6.2	MANU	Manual operation
6.3		Holiday mode
6.4		Operating lock
6.5	Prg	Programming of heating profiles
6.6		Date and time
6.7	Offset	Offset temperature
6.8	LCD	Selecting the desired temperature display
6.9	FAL	Configuring the floor heating actuator
6.1		Communication test

6.1 Automatic mode

In automatic mode, the temperature is controlled in accordance with the set heating profile (see „6.5.3 Heatingprofile“ on page 70). Manual changes that are set via the control wheel (E) are activated until the next point at which the profile changes. Afterwards, the defined heating profile will be activated again. To activate the automatic mode, please proceed as follows:

- Select the **AUTO** symbol by turning the control wheel and confirm by pressing the control wheel briefly.

6.2 Manual operation

In manual mode, the temperature is controlled in accordance with the current temperature set via the control wheel (E). The temperature remains activated until the next manual change. To activate the manual mode, please proceed as follows:


- Select the **MANU** symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- Turn the control wheel to set the desired temperature.



You can fully close or open the valve of the floor heating actuator by turning the control wheel (E) as far as it will go in an anti-clockwise or clockwise direction. "OFF" or "On" is displayed.


6.3 Holiday mode

The holiday mode can be used if you want to maintain a fixed temperature for a certain period (e.g. during your holidays or a party). To activate the holiday mode, please proceed as follows:


- Select the  symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- Select the start time and date by turning the control wheel and confirm by pressing the control wheel briefly. "S" indicates a start time.
- Select the end time and date by turning the control wheel and confirm by pressing the control wheel briefly. "E" indicates an end time.
- Set the temperature that you want to maintain during the defined time using the control wheel and confirm by pressing the control wheel briefly.
- By turning the control wheel you can select the rooms for activating the holiday mode. Selecting "OnE": Holiday mode is activated for the current wall thermostat. electing "ALL": Holiday mode is activated for all wall thermostats that are connected to the floor heating actuator.

6.4 Operating lock

Operation of the device can be locked to avoid settings being changed unintended (e.g. through involuntary touch). To activate the operating lock, please proceed as follows:

- Select the  symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- Turn the control wheel to select "On" in order to activate the operating lock or "OFF" to deactivate the operating lock.



If the operating lock is activated you can only enter the menu item "Operating lock" () via the configuration menu. You can deactivate the operating lock here.

6.5 Programming of heating profiles

You can use this menu item for configuring heating and cooling profiles and to adjust the heating profiles according to your personal needs.

- Select the **Prg** symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- Turn the control wheel and select
 - "type" for switching between heating ("HEAT") or cooling ("COOL"),
 - "Pr.nr" to set the heating profile number ("no. 1, no. 2 ... no. 6"),
 - "Pr.Ad" for individual settings of the heating profile and
 - "OSSF" for activating ("On") or deactivating

6.5.1 Heating or cooling

You can use your floor heating system to heat rooms during winter or to cool rooms during summer.

- Select "HEAT" for heating and "COOL" for cooling in the menu item "type" by turning the control wheel (E) and confirm by pressing the control wheel briefly.

6.5.2 Heating profile numbers

You can select between the following 6 pre-configured profiles.

- Select the number of the required profile in the menu item "Pr.nr." by turning the control wheel (E) and confirm by pressing the control wheel briefly.



If the selected profile is a heating profile, the room is heated as soon as the temperature falls below the defined value. If the selected profile is a cooling profile, the room is cooled as soon as the temperature increases the defined value.

After switching from “heating” to “cooling” in the menu, the profiles are changed from profile 1 to 4, profile 2 to 5 and from profile 3 to 6 automatically.

Profile 1: Pre-configured heating via radiator thermostat

Monday to Friday	Temp.
00:00 – 06:00	17.0 °C
06:00 – 09:00	21.0 °C
09:00 – 17:00	17.0 °C
17:00 – 22:00	21.0 °C
22:00 – 23:59	17.0 °C

Saturday to Sunday	Temp.
00:00 – 06:00	17.0 °C
06:00 – 22:00	21.0 °C
22:00 – 23:59	17.0 °C

Profile 2: Pre-configured heating via floor heating

Monday to Friday	Temp.
00:00 – 05:00	19.0 °C
05:00 – 08:00	21.0 °C
08:00 – 15:00	19.0 °C
15:00 – 22:00	21.0 °C
22:00 – 23:59	19.0 °C

Saturday to Sunday	Temp.
00:00 – 06:00	19.0 °C
06:00 – 23:00	21.0 °C
23:00 – 23:59	19.0 °C

Profile 3: Alternative profile

Monday to Sunday	Temp.
00:00 – 06:00	17.0 °C
06:00 – 22:00	21.0 °C
22:00 – 23:59	17.0 °C

Profile 4: Alternative cooling profile 1

Monday to Friday	Temp.
00:00 – 06:00	17.0 °C
06:00 – 09:00	21.0 °C
09:00 – 17:00	17.0 °C
17:00 – 22:00	21.0 °C
22:00 – 23:59	17.0 °C

Saturday to Sunday	Temp.
00:00 – 06:00	17.0 °C
06:00 – 22:00	21.0 °C
22:00 – 23:59	17.0 °C

Profile 5: Pre-configured cooling via floor heating

Monday to Friday	Temp.
00:00 – 05:00	23.0 °C
05:00 – 08:00	21.0 °C
08:00 – 15:00	23.0 °C
15:00 – 22:00	21.0 °C
22:00 – 23:59	23.0 °C

Saturday to Sunday	Temp.
00:00 – 06:00	23.0 °C
06:00 – 23:00	21.0 °C
23:00 – 23:59	23.0 °C

Profile 6: Alternative cooling profile 1

Monday to Sunday	Temp.
00:00 – 06:00	17.0 °C
06:00 – 22:00	21.0 °C
22:00 – 23:59	17.0 °C

6.5.3 Heating profile

In the heating profile, for each weekday up to 6 heating phases (13 change settings) can be set separately. The programming is carried out for the selected days, where- by temperature settings have to be set for the entire pe- riod between 00:00 and 23:59h.

- Select the number of the required profile in the menu item “Pr.Ad” by turning the control wheel (E) and confirm by pressing the control wheel briefly.
- In the menu item “dAy” you can select single days of the week, all weekdays, the weekend or the entire week for your heating profile and confirm by pressing the control wheel briefly.
- Confirm the start time 00:00 by pressing the control wheel briefly.
- Select the desired temperature for the start time by turning the control wheel and confirm by pressing the control wheel briefly.
- The next time is shown in the display. You can change this time using the control wheel.
- Select the desired temperature for the next period by turning the control wheel and confirm by pressing the control wheel briefly.
- Repeat this procedure until temperatures are stored for the entire period between 0:00 and 23:59 h.


6.5.4 Optimum start/stop function

To reach the desired temperature in the room at the defined time you can activate the optimum start/stop function.

- Select “On” for activating or “OFF” for deactivating the function in the menu item “OSSF” by turning the control wheel (E) and confirm by pressing the control wheel briefly.

6.6 Date and time

To set the date and time, please proceed as follows:

- Select the  symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- Set the year, month, day and hour by turning the control wheel and confirm by pressing the control wheel briefly.

6.7 Offset temperature

As the temperature is measured on the wall thermostat, the temperature distribution can vary throughout a room. To adjust this, a temperature offset of ± 3.5 °C can be set. If a nominal temperature of e.g. 20 °C is set but the room presents with only 18 °C, an offset of -2.0 °C needs to be set. An offset temperature of 0.0° is set in the factory settings. To adjust the offset temperature, please proceed as follows:

- Select the **Offset** symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- Turn the control wheel until the desired temperature appears (± 3.5 °C maximum).
- Confirm by pressing the control wheel briefly.

6.8 Selecting the desired temperature display

You can adjust the temperature to be displayed. You can also define whether the humidity value shall be displayed or not.

- Select the **LCD** symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- Turn the control wheel and select
 - “ACT” to display the actual temperature,
 - “SEt” to display the setpoint temperature,
 - “ACtH” for alternating between the actual temperature and humidity display and con-

6.9 Configuring the floor heating actuator


You can use this menu item for configuring your Homematic IP Wired Floor Heating Actuator.

- Select the **FAL** symbol by turning the control wheel and confirm by pressing the control wheel briefly.
- If the wall thermostat is connected to more than one floor heating actuator, please select the required floor heating using the control wheel.
- Please define if you want to configure the device parameters (“UnP1/UnP2”) or the channel parameters (“ChAn”).
- You can individually adjust the line-up time/follow-up time, eco temperatures, intervals etc.

For further information regarding the configuration options, please refer to the user manual of the Homematic IP Floor Heating Actuator.

6.10 Communication test

You can check the connection between your Hematic IP Wired Wall Thermostat and the Hematic IP Wired Floor Heating Actuator. During this test, the wall thermostat transmits a switching command to the floor heating actuator. Depending on the current status of the actuator, the device is switched on or off for confirmation after receiving the command.

- Select the  symbol by turning the control wheel and confirm by pressing the control wheel briefly.
The connection test is carried out.




Operation



After configuration, simple operations are available directly on the device. If the wall thermostat is in standby mode, please press the control wheel (E) once before operation to activate the device.

- Temperature: Turn the control wheel (E) to the right or to the left to manually change the temperature. In automatic mode, the manually set temperature will remain the same until the next point at which the profile changes. Afterwards, the defined heating profile will be activated again. During manual operation, the temperature remains activated until the next manual change.

Error codes and flashing sequences

Error and flashing codes	Meaning	Solution
Antenna symbol flashing ()	Communication error to CCU/ to floor heating actuator	Check the connection to the CCU/ floor heating actuator.
Humidity symbol flashing (%)	Humidity limit (60 %) in the room is exceeded	Ventilate the room and switch from cooling to heating mode, if required.
Flashing condensation and cooling symbol ()	Humidity input of Multi IO Box has been activated	Ventilate the room and switch from cooling to heating mode, if required.
Lock symbol ()	Operating lock activated	Deactivate the operating lock via the app or the menu.
Short orange flashing	Data transfer	Wait until the transmission is completed.
1x long green lighting	Operation confirmed	You can continue operation.
1x long red lighting	Operation failed	Please try again.

Short orange flashing (every 10 seconds)	Pair mode active	Please enter the last four numbers of the device serial number for confirmation (see „5.4 Pairing“ on page 56).
6x long red flashing	Device defective	Please see your app for error message or contact your retailer.
1x orange and 1x green lighting (voltage supply)	Test display	After the test display has stopped, you can continue.

Restore factory settings



The factory settings of the device can be restored. If you do this, you will lose all your settings. To restore the factory settings of the wall thermostat, please proceed as follows:

- Press and hold down the system button (D) for 4 seconds until the LED quickly starts flashing orange (see figure 8).
- Release the system button again.
- Press and hold down the system button again for 4 seconds, until the LED lights up green.
- Release the system button to finish the procedure.

The device will perform a restart. After the restart, you can again integrate your device into your Hematic IP system.

Maintenance and cleaning



The product does not require any maintenance. Enlist the help of an expert to carry out any repairs. Clean the device using a soft, lint-free cloth that is clean and dry. Do not use any detergents containing solvents, as they could corrode the plastic housing and label.

Technical specifications

Device short name:	HmIPW-WTH
Supply voltage:	24 VDC, +5 % -20 %, SELV
Current consumption:	20 mA max.
Cable type and cross section:	Rigid cable
Installation:	0.12-0.50 mm ² only in normal commercial switch boxes (device boxes) in accordance with DIN 49073-1.
Degree of protection:	IP20
Protection class:	III
Ambient temperature:	0 to 50 °C
Dimensions (W x H x D):	
Without frame:	55 x 55 x 42 mm
Including frame:	86 x 86 x 42 mm
Weight:	87 g
Method of operation:	Type 1
Degree of pollution:	2
Software class:	Class A
Withstand voltage:	330 V
Temperature of glow wire test:	850 °C
Temperature of ball pressure test:	125 °C
PTI value of housing material:	IIIb with 100 < CTI < 175

Subject to technical changes.

Instructions for disposal



Do not dispose of the device with regular domestic waste! Electronic equipment must be disposed of at local collection points for waste electronic equipment in compliance with the Waste Electrical and Electronic Equipment Directive.

Information about conformity “



The CE sign is a free trading sign addressed exclusively to the authorities and does not include any warranty of any properties.



For technical support, please contact your retailer.

Kostenloser Download der Hematic IP App! Free download of the Hematic IP app!



<https://itunes.apple.com/de/app/homematic-ip/id1012842369?mt=8>



<https://play.google.com/store/apps/details?id=de.eq3.psc.android&hl=de>

Bevollmächtigter des Herstellers:

Manufacturer's authorised representative:


eQ-3 AG

Maiburger Straße 29

26789 Leer / GERMANY

www.eQ-3.de

Documents / Resources

	<p>homematic IP HmIPW-WTH Wired Wall Thermostat with Humidity Sensor [pdf] Instruction Manual</p> <p>HmIPW-WTH Wired Wall Thermostat with Humidity Sensor, HmIPW-WTH, Wired Wall Thermostat with Humidity Sensor, Wall Thermostat with Humidity Sensor, Thermostat with Humidity Sensor, Humidity Sensor, Sensor</p>
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References

- [e Start - eQ-3](#)
- [e Startseite - eQ-3](#)