homematic IP
HmIP-eTRV-B-2
Radiator
Thermostat Basic

homematic IP HmIP-eTRV-B-2 Radiator Thermostat Basic Instruction Manual

Contents

homematic IP

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Product Usage Instructions

- Ensure the RA adapter is properly mounted with the screw provided.
- Insert the batteries into the device.
- Follow the illustrations in the manual for proper installation.
- The device can be operated in Manual or Automatic mode. Adjust the desired temperature using the controls on the device.
- When the battery symbol indicates low battery, replace the batteries with new ones.
- Refer to the user manual for detailed instructions on replacing the batteries.
- If you encounter any issues like weak batteries or error codes, refer to the manual for troubleshooting steps.
- Common error codes include F1, F2, and F3 indicating various issues like low battery voltage or valve position errors.

FAQ

- **Q:** How do I program a heating profile?
- **A:** To program a heating profile, follow the instructions provided in the user manual under the section “Programming a Heating Profile.”
- **Q:** What should I do if the device is not responding?
- **A:** If the device is not responding, try replacing the batteries and check for any error codes displayed on the device. If issues persist, refer to the troubleshooting section in the manual.

Package Contents

- 1x Radiator Thermostat – Evo

- 1x Danfoss RA adapter
- 1x Support ring
- 1x Nut M4
- 1x Cylinder head screw M4 x 12 mm
- 2x 1.5 V LR6/Mignon/AA batteries
- 1x Operating manual

Information about this manual

- Please read this manual carefully before operating your Homematic IP components.
- 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

-  **Important!** This indicates a hazard.
-  **Please note**. This section contains important additional information!

Hazard information

- **Caution!** There is a risk of explosion if the batteries are not replaced correctly. Replace only with the same or equivalent type.
- Never recharge non-rechargeable batteries. Do not throw the batteries into a fire. Do not expose batteries to excessive heat. Do not short-circuit batteries. Doing so will present a risk of explosion.
- Contact with batteries that are dead or damaged can cause skin irritation. Use protective gloves in this case.
- Do not open the device. It does not contain any parts that need to be maintained by the user. In the event of an error, please have the device checked by an expert.
- For safety and licensing reasons (CE), unauthorized change and/or modification of the device is not permitted.
- The device may only be operated in a 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 accept no liability for damage to property or personal injury caused by improper use or the failure to observe the hazard warnings. In such cases, all warranty claims are void. We accept no liability for any consequential damage.
- The device must only be operated within residential buildings.
- Using the device for any purpose other than that described in this operating manual does not fall within the scope of intended use and will invalidate any warranty or liability.

Function and device overview

The Homematic IP Radiator Thermostat offers time-controlled and demand- based regulation of the room temperature via a heating schedule with individual heating phases. You can directly configure the radiator

thermostat on the device and adjust it to suit your needs. Alternatively, you can control the radiator thermostat in connection with a Homematic IP Access Point comfortably via the free smartphone app. In connection with a Homematic IP Window and Door Contact, the temperature is reduced automatically during ventilation. The radiator thermostat fits all common radiator valves and is easy to mount – without having to drain any water or intervene in the heating system. With the additional boost function, cool rooms can be heated within a short time by opening the heating valve.

Device overview

- **(A)** Union nut
- **(B)** Battery compartment (and cover)
- **(C)** Display
- **(D)** System button (pairing button and LED)
- **(E)** Minus button
- **(F)** Plus button
- **(G)** Menu/Boost button

Display overview

- °C Setpoint temperature
-  Open window symbol
-  Empty batteries
-  Radio transmission
- BOOST Boost function
- MANU Manual mode*
- AUTO Automatic mode*
-  Holiday mode*
-  Operating lock*
- 

Overview of heating phases
-  Time and date*
- Offset Offset temperature*
- Prg Programming a heating schedule*
- Mo Tu We Th Fr Sa Su Days of the week

Configuration menu

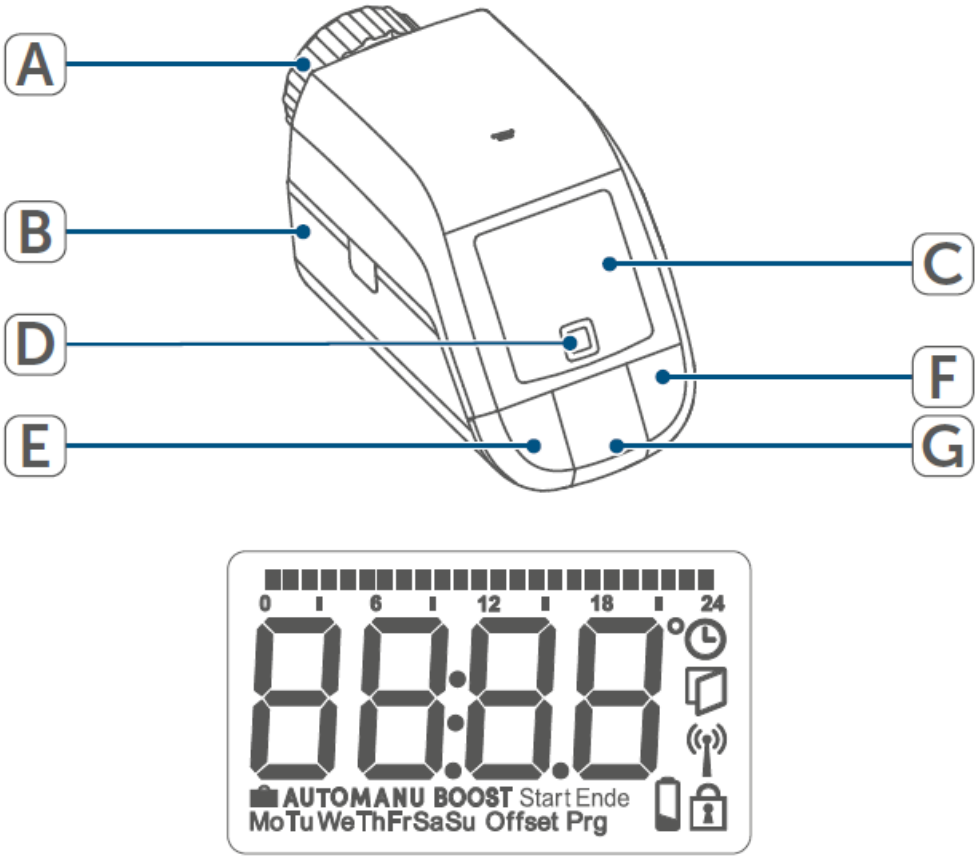

Figure 1

General system information

This device is part of the Homematic IP Smart Home system and communicates via the Homematic IP wireless protocol. All devices in the Homematic IP system can be configured easily and individually with a smartphone using the Homematic IP app. Alternatively, you have the option of operating Homematic IP devices via the CCU3 or in conjunction with many partner solutions. The available functions provided by the system in combination with other components are described in the Homematic IP User Guide. All current technical documents and updates can be found at **www.homematic-ip.com**.

Start-up
Pairing

Please read this entire section before starting the pairing procedure.

You can either pair the radiator thermostat directly with one or more Homematic IP devices or add the device to the Homematic IP Access Point (HmIP-HAP). After direct pairing, configuration must be done directly on the device. After pairing with the Access Point, configuration is done via the Homematic IP app.

Direct pairing with a Homematic IP device

- You can directly pair the Homematic
- IP Radiator Thermostat
  - basic (HmIP-eTRV-B-2) with the Homematic IP Window / Door Contact with the magnet (HmIP-SWDM-2) and/or the Homematic
- IP Wall Thermostat (HmIP-WTH-B-2).

- Please make sure you maintain a distance of at least 50 cm between the devices during pairing.
- You can cancel the pairing procedure by briefly pressing the system button (D) again. This will be indicated by the device LED (D) lighting up red.
- To connect the device with another Homematic IP device, the pairing mode of both devices must be enabled.
- To do this, proceed as follows:
- Open the battery compartment (B) by pulling the battery compartment downwards.

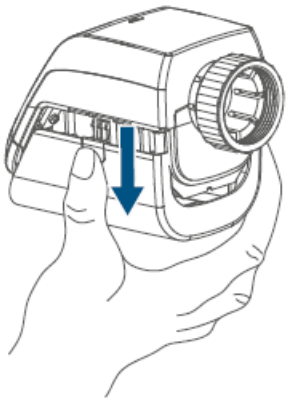

Figure 2

- Remove the insulation strip from the battery compartment.
- Press and hold the system button (D) for at least 4 seconds to enable the pairing mode. The device LED (D) starts to flash orange. The pairing mode is active for 3 minutes.
- Press and hold the system button of the device you would like to connect (e.g. the Homematic IP Window / Door Contact with magnet) for at least 4 seconds to enable the pairing mode. The device LED starts to flash orange. For further information, please refer to the operating manual of the corresponding device.

Figure 3

- The device's LED lights up green to indicate that the pairing has been successful. If pairing has failed, the device LED lights up red. Please try again.
- If no pairing operations are performed, pairing mode is exited automatically after 3 minutes.
- If you would like to add another device to an existing device group, first enable the pairing mode of the existing device in the group and afterward the pairing mode of the new device.
- If you would like to add a wall thermostat to an existing device group including a radiator thermostat and a window and door contact, you first need to pair the wall thermostat with the radiator thermostat. Afterward, you

can pair the wall thermostat with the window and door contact.
- If you are using several devices in one room, you should pair all devices with each other.

Pairing with the Access Point

- If you have already directly paired the device with another Homematic IP device, you first have to restore the factory settings of the device before you can pair the radiator thermostat with the Homematic IP Access Point or the Central Control Unit CCU3
- First, set up your Homematic IP Access Point using the Homematic IP app so that you can use other Homematic IP devices in the system. For further information, please refer to the Access Point operating manual.
- For more information on pairing and setting up the wall thermostat using a CCU3, please refer to the WebUI manual on our homepage at **www.homematic-ip.com**.

The device must first be paired with the Homematic IP Access Point so that it can be integrated into your system and communicate with other Homematic IP devices.
To add the device, proceed as follows:

- Open the Homematic IP app on your smartphone.
- Select the menu item “Pair device”.
- Open the battery compartment (B) by pulling the battery compartment cover downwards (see figure).
- Remove the insulation strip from the battery compartment. The pairing mode is active for 3 minutes.

You can manually start the pairing mode for another 3 minutes by briefly pressing the system button (D).

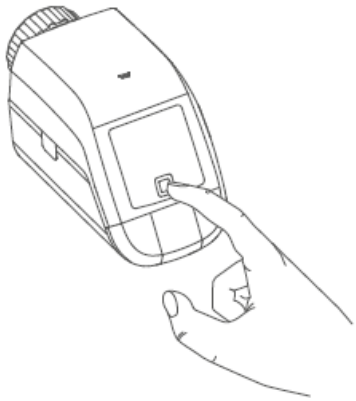

Figure 4

Your device will automatically appear in the Homematic IP app.

To confirm, enter the last four digits of the device number (SGTIN) in your app, or scan the QR code. The device number is on the sticker in the package contents or attached to the device.

- Wait until pairing is completed.
- If the pairing is successful, the LED (D) lights up green. The device is now ready for use.
- If the LED lights up red, please try again.
- In the app, give the device a name and allocate it to a room.

Installation
Please read this entire section before starting the installation.

The Homematic IP Radiator Thermostat is easy to install and can be done without draining heating water or intervening in the heating system. No special tools are required, nor does the heating have to be switched off. The union nut (A) attached to the radiator thermostat can be used universally and without accessories for all valves with a thread size of M30 x 1.5 mm from the most popular manufacturers, such as:

- Heimeier
- MNG
- Junkers
- Landis&Gyr (Duodyr)
- Honeywell-Braukmann
- Oventrop
- Schlösser
- Comap
- Valf Sanayii
- Mertik Maxitrol
- Watts
- Wingenroth (Wiroflex)
- R.B.M
- Tiemme
- Jaga
- Siemens
- Idmar

The device can also be installed on type Danfoss RA (Danfoss RA adapter“) radiator valves using the enclosed adapter.

Removing a thermostat
In case of visible damage to the existing thermostat, valve, or heating pipes, please consult a specialist.

- Remove the old thermostatic head from your radiator valve:
- Rotate the thermostatic head anticlockwise to the maximum value (1). The thermostatic head then no longer presses against the valve spindle, making it easier to remove.

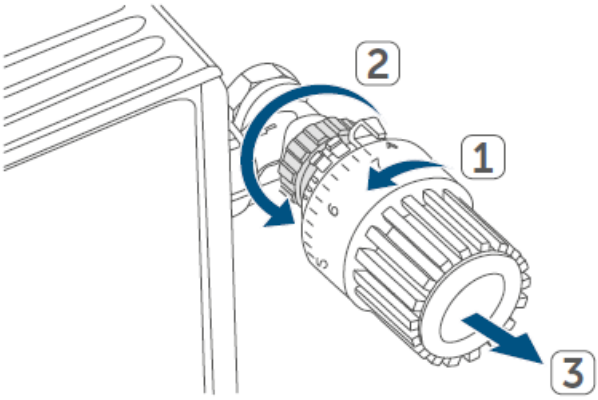

Figure 5

The thermostatic head may be held in place in various ways:

- Union nut: Unscrew the union nut in an anticlockwise direction (2). The thermostatic head can then be removed (3).
- Snap-on fastenings: Thermostatic heads that are fastened this way can be detached by turning the fastener/union nut anticlockwise a little. The thermostatic head can then be removed.
- Compression fittings: The thermostatic head is held in place by a mounting ring, which is held together with a screw. Loosen this screw and remove the thermostatic head from the valve.
- Threaded connection with set screw: Loosen the set screw and remove the thermostatic head.

Mounting the radiator thermostat
After removing the old thermostatic head, you can mount the new radiator thermostat on the heating valve:

- Place the radiator thermostat with the metal nut (A) on the heating valve.

If required, you can use one of the supplied adapters for Danfoss valves, or the supplied support ring.

Support ring
With some manufacturers' valves, the part of the valve that protrudes into the device has only a small diameter, which causes the radiator thermostat to sit more loosely on the valve. In this case, the provided support ring should be placed into the flange before installing the radiator thermostat. You can then mount the radiator thermostat again as described above. Figure 6

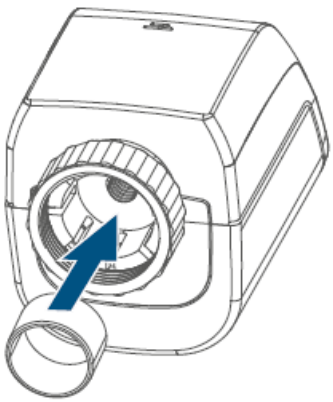

Figure 6

Danfoss RA adapter
The provided adapter is required to attach to Danfoss RA valves. The RA adapter has been manufactured with pre-tension to provide better fit. Use a screwdriver during installation if necessary and bend the adapter open

slightly in the vicinity of the screw.
Figure 7

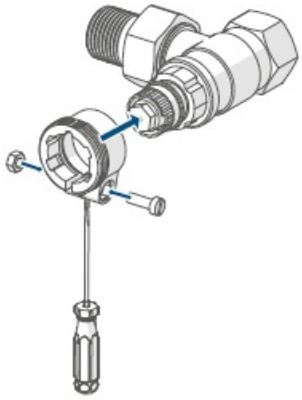

Figure 7

Danfoss valve bodies have elongated notches around their circumference, which also ensure that the adapter is properly seated when it snaps on.

- During installation, please ensure that the pins inside the adapter are lined up with the notches on the valve.
- Please be careful not to trap your fingers between the two halves of the adapter!

After clipping onto the valve body, please attach the adapter using the provided screw and nut.

Adjustment run

When the batteries are inserted, the motor retracts to simplify installation. Meanwhile, “InS” and the activity symbol ( ) are displayed. Figure 8

Figure 8

If the adjustment run was initiated prior to assembly or if an error message is displayed (F1, F2, F3), press the menu/boost button. If the adjustment run was initiated prior to assembly or if an error message is displayed (F1, F2, F3), press the menu/boost button.the device to the valve. To do this, proceed as follows:

- As soon as “AdA” is displayed, press the menu/boost button (G) to start the adjustment run.

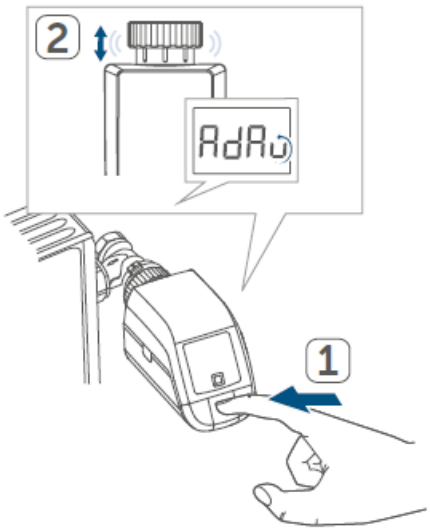

Figure 9

Configuration menu

If you operate the device without a Homematic IP Access Point, after start-up you can use the configuration menu to directly select the following modes and adjust the settings to adapt the device to your personal needs:

- Press and hold the menu button (G) to enter the configuration menu.
- Select the desired icon via the plus and minus buttons (E + F) by pressing the menu button briefly to change the settings of the different menu items.

Press and hold the menu button (G) to return to the previous level. The menu automatically closes without applying changes if there is no operation for more than 1 minute.

- If you pair the device with the Homematic IP Access Point, you can easily adjust the settings using the free Homematic IP app.
- If you have already adjusted the settings in the configuration menu, or if you have already directly paired the device with another Homematic IP device, you first have to restore the factory settings of the device before you can pair the radiator thermostat with a Homematic IP Access Point or a Central Control Unit CCU3

Manual mode
In manual mode, the temperature is controlled in accordance with the current temperature set via the push-buttons (E + F). The temperature remains enabled until the next manual change. To enable the manual mode, proceed as follows:

- Press and hold the menu button (G) for approx. 2 seconds to open the configuration menu.
- Select the “Manu” menu item using the plus and minus buttons (E + F).
- Confirm with the menu button.

To confirm, the symbol briefly flashes twice and the device changes back to automatic mode.

Automatic mode
In automatic mode, the temperature is controlled in accordance with the set heating schedule. Manual changes are enabled until the next point at which the profile changes. Afterward, the defined heating schedule will be

enabled again. To enable automatic mode, proceed as follows:

- Press and hold the menu button (G) for approx. 2 seconds to open the configuration menu.
- Select the “Auto” menu item using the plus and minus buttons (E + F).
- Confirm with the menu button. To confirm, the symbol briefly flashes twice and the device changes back to automatic mode.

Holiday mode
If you would like to maintain a con-stant temperature for a certain period, e. g. during your holidays or a party, the holiday mode can be used. To enable the holiday mode, proceed as follows:

- Press and hold the menu button (G) for approx. 2 seconds to open the configuration menu.
- Select the “Holiday” menu item using the plus or minus buttons (E + F) and confirm with the menu button.
- Use the plus and minus buttons to select the time until which you would like to enable the holiday mode and confirm with the menu button.
- Use the plus and minus buttons to select the date until which you would like to enable the holiday mode and confirm with the menu button.

To confirm, the symbol briefly flashes twice, and the device changes to holiday mode.
Operating lock
Operation of the device can be locked to avoid settings being changed un-intended (e.g. through involuntary touch). To enable or disable the operation lock, proceed as follows:

- Press and hold the menu button (G) for approx. 2 seconds to open the configuration menu.
- Select the “Operating lock” menu item using the plus and minus buttons (E + F).
- Confirm with the menu button.
- Use the plus button to select “On” if you would like to enable the operating lock or “OFF” to disable the operating lock and confirm with the menu button.

To confirm, On or OFF flashes twice and the device changes back to the standard display. After activating the operating lock, the “lock” symbol is shown in the display. To disable the operating lock, proceed as follows:

- Press and hold the menu button (E) for approx. 2 seconds to open the configuration menu.
- Confirm with the menu button.
- Select “OFF” using the minus button (D) to disable the operating lock.

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

- Press and hold the menu button (G) for approx. 2 seconds to open the configuration menu.
- Select the “Date/time” menu item using the plus and minus buttons (E + F).
- Confirm with the menu button.
- Select the desired year using the plus and minus buttons and confirm with the menu button.
- Select the desired month using the plus and minus buttons and confirm with the menu button.
- Select the desired day using the plus and minus buttons and con-firm with the menu button.
- Select the desired hours using the plus and minus buttons and con-firm with the menu button.

- Select the desired minutes using the plus and minus buttons and confirm with the menu button.

To confirm, the time flashes twice, and the device changes back to the standard display.

Offset temperature

As the temperature is measured on the wall thermostat, the temperature distribution can vary throughout a room. You can set a temperature offset of ±3.5°C to adjust this. If, for example, 18°C is measured instead of the 20°C set, an offset of -2.0°C must be set. An offset temperature of 0.0°C is set in the factory settings. To adjust the offset temperature, please proceed as follows:

- Press and hold the menu button (G) for approx. 2 seconds to open the configuration menu.
- Select the “Offset” menu item using the plus and minus buttons (E + F).
- Confirm with the menu button.
- Select the desired offset temperature using the plus and minus buttons and confirm with the menu button.

To confirm, the temperature flashes twice and the device changes back to the standard display.

Programming a heating schedule

In this menu item, you can create a heating schedule with six heating and cooling phases (13 change settings) according to your personal needs:

- Press and hold the menu button (G) for approx. 2 seconds to open the configuration menu.
- Select the “Prg” menu item using the plus or minus buttons (E + F) and confirm with the menu button.
- Under the menu item “DAY”, use the plus and minus buttons to select individual weekdays, all weekdays, the weekend, or the entire week for your heating schedule and confirm with the menu button.
- Confirm the start time of 00:00 hours with the menu button.
- Select the desired temperature and start time using the plus and mi-nus buttons and confirm with the menu button.
- The next time is shown in the display. You can adjust this time using the plus and minus buttons.
- Select the desired temperature for the next time period using the plus and minus buttons and confirm with the menu button.
- Repeat this procedure until temperatures are stored for the entire period between 0:00 and 23:59 h.

To confirm, the time flashes twice, and the device changes back to the standard display.

Operation

After configuration, simple operations are available directly on the device.

If the radiator thermostat is in standby mode, please press the system button (D) once before operation to activate the device.

- Temperature: Press the left (E) or right (F) push-button to manually change the temperature of the radiator. In automatic mode, the manually set temperature will remain the same until the next point at which the schedule changes. Afterward, the defined heating schedule will be enabled again. During manual mode, the temperature remains activated until the next manual change.
- Boost function: Briefly press the boost button (G) to enable the boost function to heat up the radiator quickly and briefly by opening the valve. There will be a pleasant room temperature right away because of the radiated heat.

Changing the batteries

If the symbol for empty batteries ( ) appears in the display or in the app, please replace the used batteries with two new LR6/Mignon/AA batteries. You must observe the correct battery polarity. To insert new batteries, proceed as follows:

- Open the battery compartment (B) by pulling the battery compartment cover downwards (→ see figure).
- Remove the batteries.
- Insert two new 1.5 V LR6/Mignon/AA batteries into the battery compartment, making sure that you insert them the right way round.
-

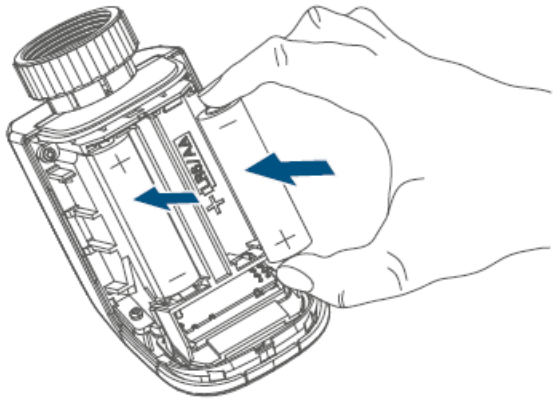

Figure 10

After inserting the batteries, pay attention to the flashing sequences of the LED see „10.4 Error codes and flashing sequences.

Once the batteries have been inserted, the radiator thermostat will perform a self-test and an adjustment run, if required (approx. 2 seconds). Afterwards, initialization is carried out. The LED test display will indicate that initialisation is complete by lighting up orange and green.

Troubleshooting

Weak batteries

Provided that the voltage value permits it, the radiator thermostat will remain ready for operation even if the battery voltage is low. Depending on the par-ticular load, it may be possible to send transmissions again repeatedly once the batteries have been allowed a brief recovery period.

If the voltage drops too far during transmission, the empty battery symbol ( ) and the corresponding error code will be displayed on the device, (see „10.4 Error codes and flashing sequences “ on page 37). In this case, replace the empty batteries with two new ones Changing the batteries

Command not confirmed

If at least one receiver does not confirm a command, the LED (D) lights up red at the end of the failed transmission process. The reason for the failed transmission may be radio interference, (see „13 General information about radio operation“ on page 39). This may be caused by the following:

- The receiver cannot be reached.
- The receiver is unable to execute the command (load failure, mechanical blockade, etc.).
- The receiver is faulty.

Duty cycle

The duty cycle is a legally regulated limit of the transmission time of de-vices in the 868 MHz range. The aim of this regulation is to safeguard the operation of all devices working in the 868 MHz range.

In the 868 MHz frequency range we use, the maximum transmission time of any device is 1% of an hour (i.e. 36 sec-onds in an hour). Devices must cease transmission when they reach the 1% limit until this time restriction comes to an end. Homematic IP devices are designed and produced with 100% conformity to this regulation.

During normal operation, the duty cycle is not usually reached. However, repeated and radio-intensive pairing processes mean that it may be reached in isolated instances during the start-up or initial installation of a system. If the duty cycle is exceeded, this is indicated by three slow flashes of the device LED and may manifest itself in the device temporarily working incorrectly. The device starts working correctly again after a short period (max. 1 hour).

Error codes and flashing sequences

Flashing code / LC display	**Meaning**	**Solution**
F1	Valve drive sluggish	Please check whether the valve pin is stuck.
F2	Adjustment range is too large	Please check the fastening of the r adiator thermostat
F3	Adjustment range is too small	Please check whether the valve pin is stuck.
Battery symbol ( )	Battery voltage low	Replace the device batteries
Battery symbol ( ) and —	Valve moved to error position*	Replace the device batteries
*If empty batteries are not replaced, the radiator thermostat moves to a “valve er- ror position”. This avoids a situ ation where the set temperature in the room can- not be reached anymore due to a low battery. A valve error po sition of 15% is set in the factory settings.		
Antenna symbol ( ) flashes	Communication problems with Ho mematic IP Access Points or conn ected device	Please check the connection with t he Homematic IP Access Point or t he connected devices.
Lock symbol ( )	Operating lock enabled	Disable the operating lock via the a pp.
Short orange flashes	Radio transmission/at- tempting to transmit/ configuration data is tran smitted	Wait until the transmission is compl eted.
1x long green flash	Transmission confirmed	You can continue the operation.
1x long red flash	Transmission failed or duty cycle li mit reached	Please try again .
Brief steady orange light (after green or red confirmation)	Batteries empty	Replace the batteries

Short orange flashes (every 10 s)	Pairing mode active	Enter the last four digits of the devic e serial number to confirm
Fast orange flashing	Direct pairing mode ac- tive	Enable the pairing mode of the devi ce you would like to add _
6x long red flashes	Device defective	Please see your app for error mess age or contact your retailer.
1x orange and 1x green light (after i nserting batteries)	Test display	You can continue once the test disp lay has stopped.
Alternating long and short orange fla shing	Device software updating (OTAU)	Wait until the update is completed.

Restoring 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:

- Open the battery compartment (B) by pulling the battery compartment cover downwards (→ see figure).
- Remove one battery.
- Re-insert the battery, making sure that it is the right way around while pressing the system button (D) at the same time. Press and hold the system button until the device LED (D) starts to quickly flash orange.
- Release the system button briefly and then press and hold the system button again until the orange flashing changes to green lighting.
- Release the system button to conclude the procedure.

The device will perform a restart.

Maintenance and cleaning

The device does not require you to carry out any maintenance other than replacing the battery when necessary. Leave any maintenance or repair to a specialist. Clean the device using a soft, clean, dry, and lint-free cloth. You may dampen the cloth a little with lukewarm water to remove more stubborn marks. Do not use any detergents containing solvents, as they could corrode the plastic housing and label.

General information about radio operation

Radio transmission is performed on a non-exclusive transmission path, which means that there is a possibility of interference occurring. Interference can also be caused by switching operations, electrical motors or defective electrical devices.The transmission range within buildings can differ significantly from that available in open space. Besides the transmitting power and the reception characteristics of the receiver, environmental factors such as

humidity in the vicinity play an important role, as do on-site structural/screening conditions. eQ-3 AG, Maiburger Strasse 29, 26789 Leer, Germany, hereby declare that the radio equipment type Homematic IP HmIP-eTRV-B-2 is compliant with Directive 2014/53/EU. The full text of the EU declaration of conformity is available at the following internet address:**www.homematic-ip.com**

Disposal

Instructions for disposal

 This symbol means that the device and the batteries or accumulators must not be disposed of with household waste, the residual waste bin or the yellow bin or yellow bag. For the protection of health and the environment, you must take the product, all electronic parts included in the scope of delivery, and the batteries to a municipal collection point for old electrical and electronic equipment to ensure their correct disposal. Distribu-tors of electrical and electronic equipment or batteries must also take back obsolete equipment or batteries free of charge. By disposing of it separately, you are making a valuable contribution to the reuse, recycling, and other methods of recovery of old devices and old batteries. You must separate any old batteries and accumulators of old electrical and electronic devices from the old device if they are not enclosed by the old device before handing it over to a collection point and to dispose of them separately at the local collection points. Please also remember that you, the end user, are responsible for delet-ing personal data on any old electrical and electronic equipment before disposing of it.

Information about conformity

 The CE mark is a free trademark that is intended exclusively for the authorities and does not imply any assurance or guarantee of properties. For technical support, please contact your retailer.

technical specifications

- **Device short description**: HmIP-eTRV-B-2
- **Supply voltage:** 2x 1.5 V LR6/Mignon/AA
- **Current consumption:** 100 mA max.
- **Battery life:** 2 years (typical)
- **Protection rating:** IP20
- **Pollution degree**: 2
- **Ambient temperature:** 0 to 50°C
- **Dimensions (W x H x D):** 57 x 68 x 102 mm
- **Weight:** 185 g (including batteries)
- **Radio frequency band:** 868.0 – 868.6 MHz 869.4 – 869.65 MHz
- **Max. radio transmission power:** 10 dBm
- **Receiver category:** SRD category 2
- **Typical range in open space**: 250 m
- **Duty cycle:** < 1% per h/< 10% per h
- **Software class:** Class A
- **Method of operation:** Type 1
- **Connection:** M30 x 1.5 mm
- **Controlling torque**: > 80 N
- **Valve travel:** 4.3 ± 0.3 mm

- **Maximum travel position:** 14.3 ± 0.3 mm
- **Minimum travel position**: 10.0 ± 0.3 mm

Subject to modifications.

CONTACT

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- www.eQ-3.de

Documents / Resources

	homematic IP HmIP-eTRV-B-2 Radiator Thermostat Basic [pdf] Instruction Manual HmIP-eTRV-B-2 Radiator Thermostat Basic, HmIP-eTRV-B-2, Radiator Thermostat Basic, Thermostat Basic

References

- Home page | Homematic IP
- User Manual