

Thermostat Optima Wlan Classic (TH08W)

Thank you for choosing our smart
thermostat Optima Wlan Classic.



Features:

- Programmable/operable via app
- Compatible with Amazon Alexa, Google Assistant and IFTTT
- Large display with dark background and white figures
- Easy installation
- Flush mounting
- Weekly program 4 switching times per day (App)
- External sensor or room sensor
- Open window detection only with room sensor

Technical data:

- Operating voltage: 230V/AC
- Switching capacity: 3600W/16A (resistive load) / 2000W/8.7A (capacitive load)
- Switch contact: NO (potential-free contact)
- Backup memory: EEPROM
- WLAN frequency: 2.4Ghz, Wi-Fi 802.11 b/g/n
- WLAN security: WPA2 personal (TKIP and AES)
- Temperature sensor: internal or external sensor
- Open window detection: yes only with room sensor, not with connected external sensor
- Temperature setting: 5°C - 35°C (0.5°C steps)
- Operating temperature: +5 ~ 65°C
- accuracy: +/- 0.5°C (+/- 1°F)
- Dimensions: 86mm x 86mm x 20+30mm (50mm)
- Display size: 64x45mm
- Colour: White
- IP protection class: 21 (sensor IP44).
- Certification: CE, ROHS, WEEE

Important information before commissioning:

- Please read the complete instructions before starting to install the thermostat.
- The thermostat must be installed by a qualified person.
- Only use the thermostat as described in this manual.
- Always disconnect the power supply during installation work.

Safety notes:

When handling products which are supplied with electrical voltage, the applicable VDE regulations must be observed, in particular VDE 0100, VDE 0550/0551, VDE 0700, VDE 0711 and VDE 0860.

- Before opening the device, make sure that it is de-energized.
- Tools may only be used on the device if it has been ensured that it is disconnected from the supply voltage and that any residual electrical charges stored in components have been discharged beforehand.
- Live cables or lines to which the device is connected must always be checked for insulation faults or breakages.
- If a fault is detected in the supply line, the device must be taken out of operation immediately until the defective line has been replaced.

If these instructions is not clearly state for non-commercial end users in regard to, which electrical characteristic values apply to the device, how external wiring is to be carried out, or which external components or accessories may be connected and what connected loads these external components may have, a specialist must always be requested for information. Before commissioning the device, check whether it is suitable for the planned application!

In case of doubt, it is absolutely necessary to consult experts or the manufacturers of the modules used! Please note that operating and connection errors are beyond our control. We assume no liability for any damage resulting therefrom.

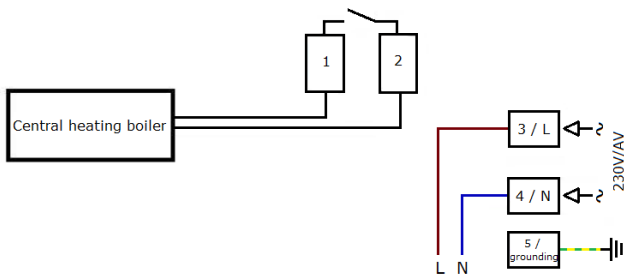
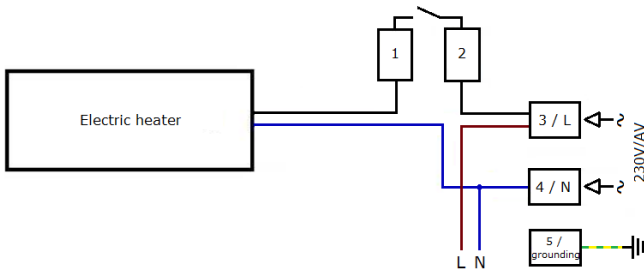
Description of Device keys and LEDs



1. increase temperature
2. reduce temperature
3. mode button
4. short key press = On/Off key to switch the thermostat on or off completely, long key press (5 sec.) activates the pairing mode for connection to the Wlan (the thermostat must be switched on for this)

Connecting the thermostat:

The Optima Wlan Classic can be used for various applications, as the thermostat has a potential-free switching output (NO)! The external temperature sensor is used for temperature measurement, e.g. in the floor in combination with an electric floor heating system.

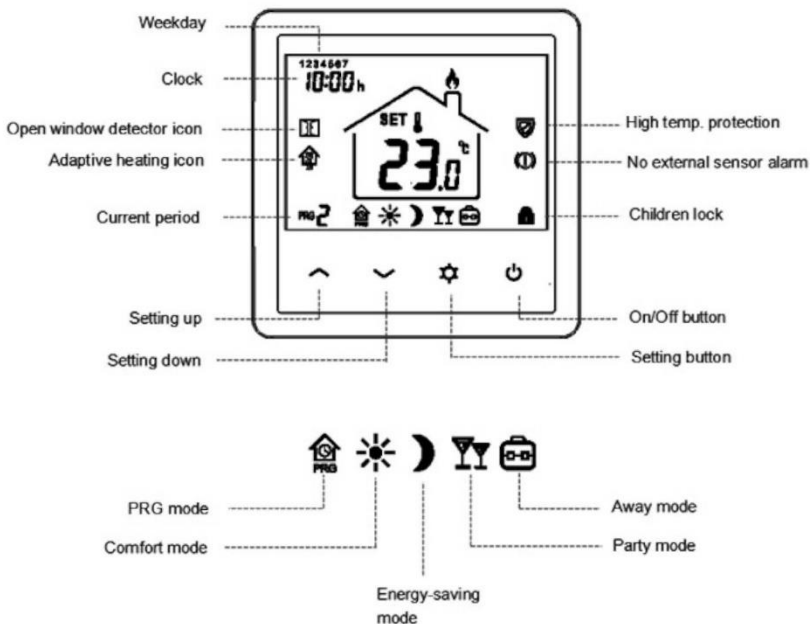


Description Terminals



- 1 & 2 Output terminal for connecting the consumer (NO - potential-free), for connection options see item "**Connection of the thermostat**".
- 3 & 4 Input terminal for the 230V/AC supply voltage of the thermostat
- 5 Grounding (optional / if available)
- 6 & 7 Input terminal for connecting the external temperature sensor

Description Display symbols



App integration and programming:

In order to setup or program the thermostat via Smartphone App, the free TuyaSmart App must first be downloaded and installed from the respective App Store.

Minimum Smartphone requirements: iOS9 or newer, Android 4.4 or newer

TuyaSmart (Tuya Inc.)




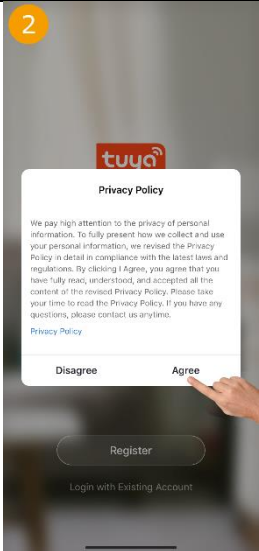
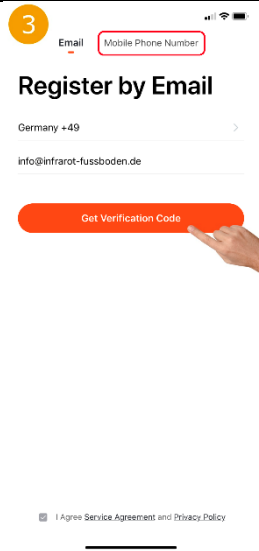
[App für Android](#)

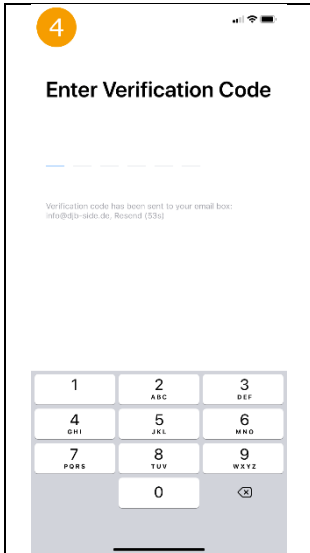


[App für Apple iOS](#)

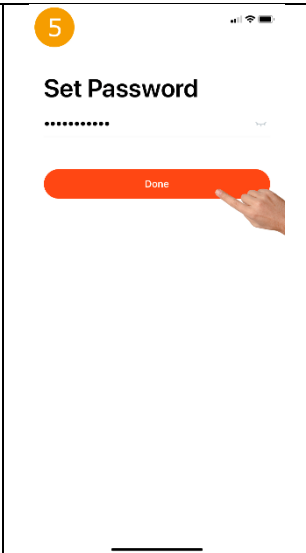


The following steps show the setup of the TuyaSmart App as well as the integration and programming of the thermostat.

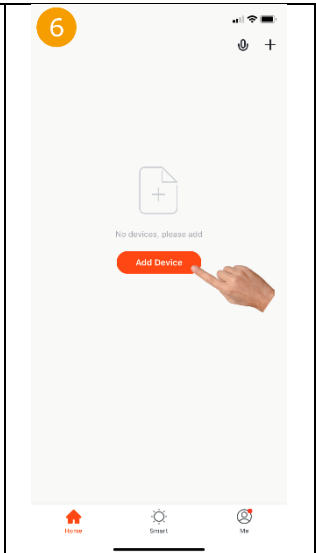
		
<p>When starting the app for the first time, you have to create a Tuya user account.</p>	<p>Agree to privacy policy to continue.</p>	<p>Select your country, enter your email address, and then tapping on "Get Verification Code". Alternatively, the code can also be requested by SMS by tapping on "Mobile Phone Number" at the top.</p>



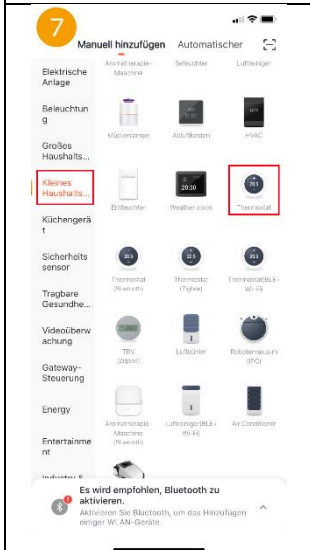
Enter the verification code you received by e-mail or SMS.



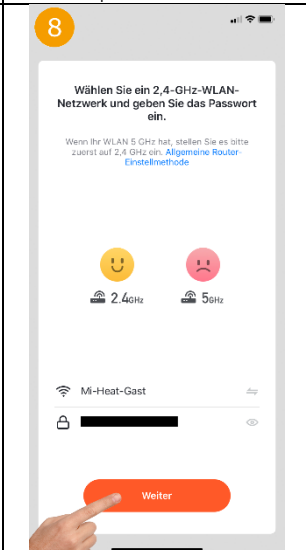
Set the password for the Tuya user account and press "Finish".



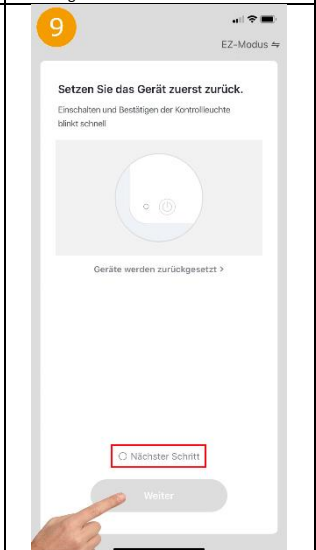
Now the thermostat can be integrated by touching "Add device".



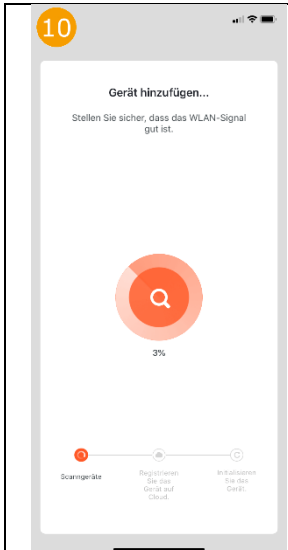
To integrate a thermostat, tap "Small domestic appliance" on the left and then select "Thermostat" on the right.



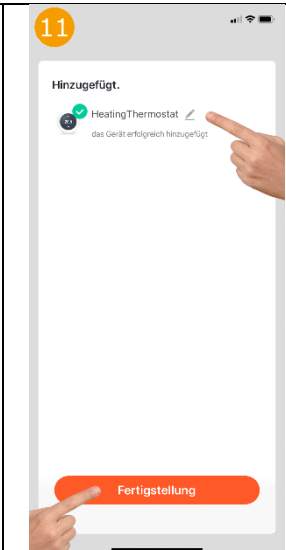
Select WLAN network (SSID) of the existing router and enter the corresponding WLAN password.



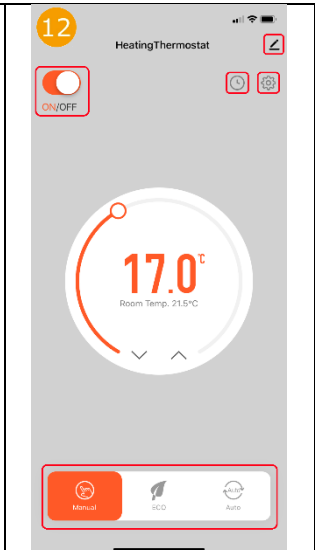
Touch "Next Step" and then touch "Next".



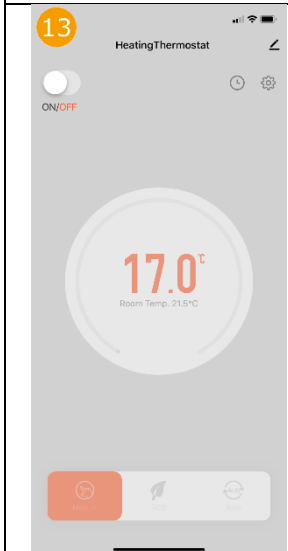
Start teach-in mode on the device: Switch on the device, then press the On/Off button for approx. 5 seconds and then briefly press the ▲ button once; the Wlan symbol flashes in the top right-hand corner of the display. The app will now search for available devices that are in teach-in mode.



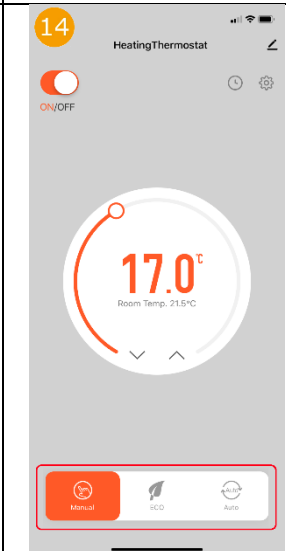
If a device was found, any name can now be assigned. After tapping "Finish" the integration is successfully completed.



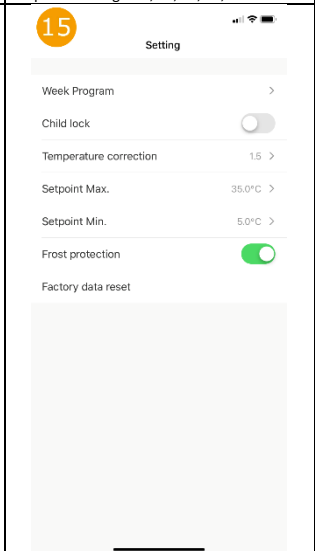
Main view of the thermostat. The setpoint temperature (setpoint) is large in the middle, the current room temperature is below. The setpoint temperature can be changed by means of ▲▼ or a selector circuit. The functions of ON/OFF, mode, clock symbol, gear symbol, pin symbol are explained in Figs. 13, 14, 17, 15, 18.



The thermostat can be switched off or on by touching "ON/OFF".



By touching one of the three available modes (Manual,ECO,Auto) the operating mode of the thermostat can be changed.



Here you can set the weekly program (16), child lock, temperature calibration, max/min. target temperature, frost protection and restore the factory settings of the thermostat.

<p>16 Weekly Program</p> <p>Click to switch the date, long press to copy the current setting</p> <p>Mon Tues Wed Thur Fri Sat Sun</p> <p>Period 1 07:00 Temperature: 22.0°C</p> <p>Period 2 08:30 Temperature: 19.0°C</p> <p>Period 3 17:00 Temperature: 22.0°C</p> <p>Period 4 22:00 Temperature: 19.0°C</p>	<p>17 Add Save</p> <p>10 09</p> <p>11 10</p> <p>12 11</p> <p>13 12</p> <p>14 13</p> <p>15 14</p> <p>Sun Mon Tue Wed Thur Fri Sat</p> <p>Tag</p> <p>Notification</p> <p>Switch ON</p>	<p>18 HeatingThermostat</p> <p>Information des Geräts</p> <p>Sofortige Szene und Automatisierung</p> <p>Kontrolle aus einem Drittanbieter unterstützt</p> <p>Alexa Google Assistant Luche EIF DuerOS</p> <p>Meldung Gerät offline</p> <p>Offline-Meldung</p> <p>Sonstiges</p> <p>Gerät teilen</p> <p>Gruppe erstellen</p> <p>FAQ & Rückmeldung</p> <p>Zum Startbildschirm hinzufügen</p> <p>Netzwerk überprüfen Sofort überprüfen</p> <p>Überprüfen Sie das Upgrade der Firmware</p> <p>Das Gerät entfernen</p>
<p>An individual heating profile can be stored here for each weekday.</p>	<p>Here you can program different timers for the time controlled switching on or off.</p>	<p>Shows the further settings and integration possibilities in the language control systems Amazon Alexa and Google Assistant.</p>

Standard values:

The following thermostat functions can also be set without the app.

Function	Key Activation	
Open the settings menu	Switch the thermostat off with the 4 (On/Off) button, OFF is shown on the display. Press the ☼ button and ▲ button simultaneously for approx. 5 seconds. The display shows 01 in the upper left corner. By pressing the ☼ button several times, you can switch between the following settings. The value of each setting can be changed using the ▲ and ▼ buttons.	
1	Temperature Calibration internal sensor	-8 – +8°C, Standard 0°C
2	Temperature limitation max.	5 – 90°C / aus, Standard 35°C
3	Temperature limitation min.	5 – 90°C / aus, Standard 5°C
4	Sensor Type	0: internal Sensor, 1: external Sensor, 2 internal and external Sensor, Standard 2
5	Frost protection	(-- off) and 5 – 15°C, Standard 5°C
6	Temperature Calibration external sensor	-8 – +8°C, Standard 0°C
7	Display room or floor temperature	Only the current temperature is displayed here if sensor type 2 is set under 4
8	Overheating protection Soil temperature	10 – 80°C, Standard 32°C, for electric floor heating we recommend max. 27°C
9	Hysteresis	0 – 3°C, Standard 0°C
11	Key lock/child lock	1: activated, 0: deactivated, Standard 0
12	ORD – Open window detection	ON: activated, OFF: deactivated, Standard OFF
13	ORD – Detection time	2 – 30 minutes, Standard 15 minutes
14	ORD – Temperature difference selection (in the recorded time)	2,3,4°C, Standard 2°C
15	ORD – Delay time of ORD selection (return to normal state)	10 – 60 minutes, Standard 30 minutes
17	Factory settings	Set "1" with the ▲ or ▼ key and then press and hold the On/Off key for approx. 10 sec. until the menu is exited.
3xxx	Firmware Version	-
0xxx	Software Version	-
31	Not documented	-
32	Display brightness in standby	0 – 100, standard 5

Alternative WLAN pairing mode:

If pairing with the TuyaSmart app via the WLAN network does not work with the normal pairing method (EZ mode), the alternative pairing method (AP mode) described below may be of assistance.

1. Switch on the thermostat.
2. Press the On/Off button for approx. 3 seconds until the WLAN symbol appears in the display.
3. Now press the ▲-key, the WLAN symbol flashes.
4. Press the ⚙-key, "AP" appears in the display.
5. Open the TuyaSmart app and select the "**Thermostat (Wi-Fi)**" under "**Small household appliance**".
6. When asked for the WLAN, enter the WLAN name (SSID) and the password of the router and tap on "**Next**".
7. Tap on "**EZ Mode**" at the top right of the app and switch to "**AP Mode**".
8. At the bottom, tap "**Confirm that the display is flashing slowly**" and then tap "**Next**".
9. Tap on "**Connect now**", the WLAN settings of the smartphone should now be called up automatically. If this is not the case, you have to switch to the WLAN settings manually; the TuyaSmart app must not be closed.
10. Now connect the WLAN of the thermostat (name is e.g.: SmartLife-????) via the WLAN settings of the smartphone.
11. Switch back to the TuyaSmart app, the app will now search for the device and add it automatically.
12. Finally, tap on "Finish".

Setting the child lock:

If the child lock/key lock has been activated via the menu (item 11), a lock symbol appears at the bottom right of the display when the display is locked.

To release the lock briefly, press and hold the ▲ and ▼ keys until the lock symbol disappears.

If no further operation is performed, the lock is automatically reactivated after a few seconds. If the lock is to be completely deactivated again, it must be switched off again in the menu (item 11) (value 0).

Disposal notes



Do not dispose of this device in household waste! Electronic devices must be disposed of at the local collection points for electronic waste in accordance with the Waste Electrical and Electronic Equipment Directive.

Note on conformity



The CE mark is a free trade mark that is exclusively addressed to the authorities and does not contain any assurance of properties.

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