MÖLLER
Lieferant für infrarot-fussboden.de Heizung

Thermostat Optima Wifi Basic

Thank you for purchasing our smart thermostat Optima Wifi Basic.

WORKS WITH amazon alexa | works with the Google Assistant | connect with IFTTT

Features:

- Programmable/operatable by app
- Compatible with Amazon Alexa, Google Assistant and IFTTT
- Easy to install
- No display
- Surface 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: 2000W/8A (resistive load) / 1000W/4A (capacitive load)
- Switching contact: NO / NC (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 30mm
- 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!

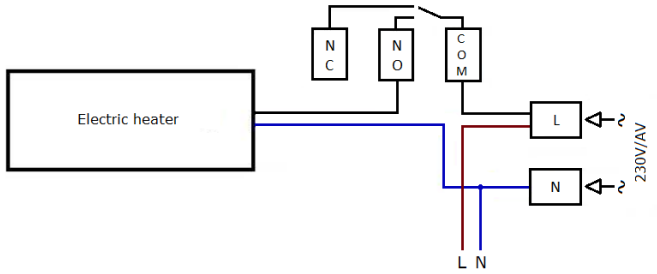
In case of doubt, it is absolutely necessary to consult experts or the manufacturers of the modules used! Please note that operating and connection errors are beyond our control. We assume no liability for any damage resulting therefrom.

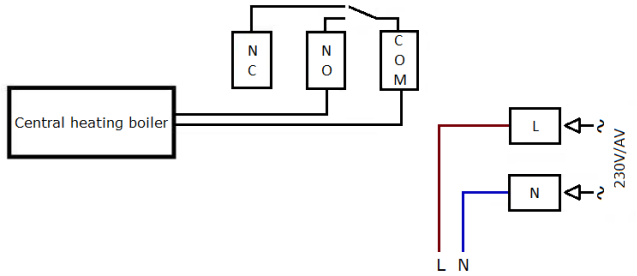
Description of Device keys and LEDs

1. Pairing key for pairing with the WLAN via the Tuya app.
2. On/Off button to switch thermostat completely off or on.
3. Status LED lights up if the load is switched on.
4. Status LED lights up if the thermostat is switched on.

Connecting the thermostat:

The Optima W Basic can be used for various applications, as the thermostat has a voltage-free (potential-free) output! The external sensor is used for temperature measurement e.g. in the floor in combination with an electric underfloor heating system.





Description Terminals

1. Input terminal for the 230V/AC supply voltage of the thermostat
2. Output terminal for connecting the load (potential-free), for connection options, see "**Connection of the thermostat**".
3. Input terminal to connect the external temperature sensor

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.

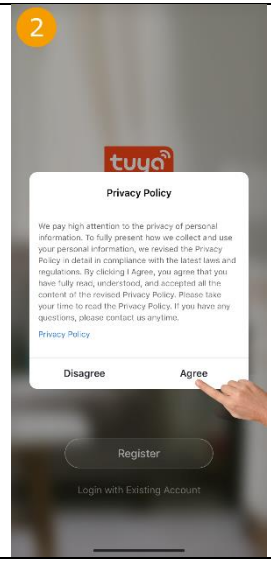
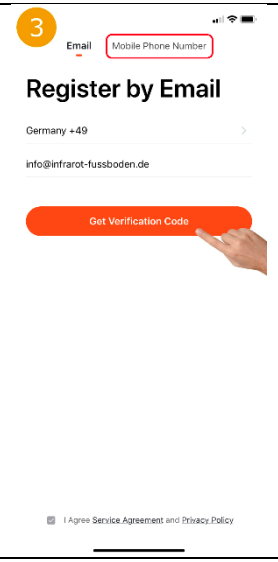
Minimum Smartphone requirements: iOS9 or newer, Android 4.1 or newer

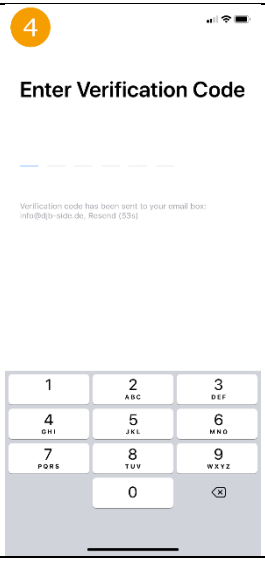
TuyaSmart (Tuya Inc.)

App für Android

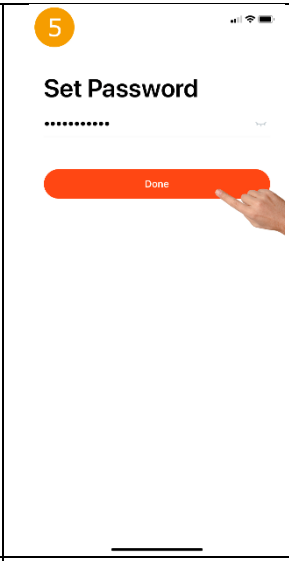
App für Apple iOS

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

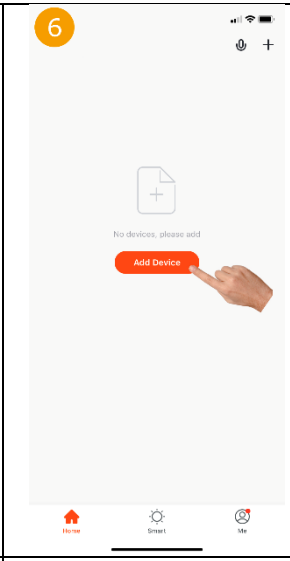
		
When starting the app for the first time, you have to create a Tuya user account.	Agree to privacy policy to continue.	Select your country, enter your email address, and then tapping on "Get Verification Code". Alternatively, the code can also be requested by SMS by tapping on "Mobile Phone Number" at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



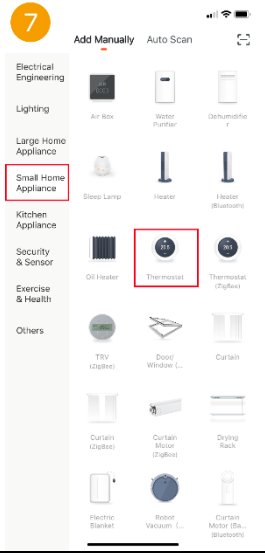
Enter the verification code you received by e-mail or SMS.



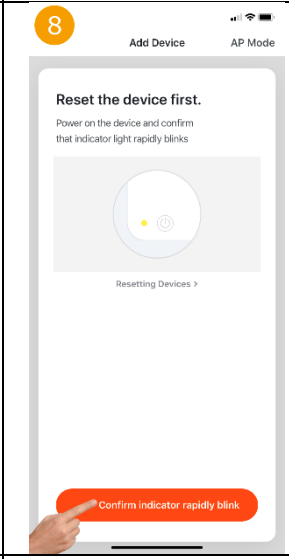
Set the password for the Tuya user account and press "Finish".



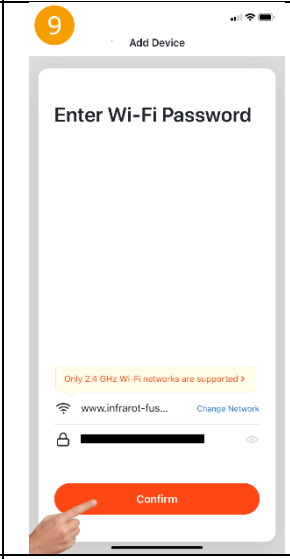
Now the thermostat can be integrated by touching "Add device".



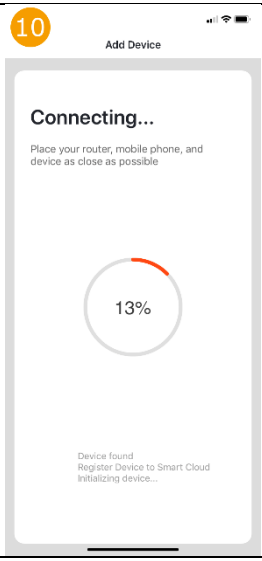
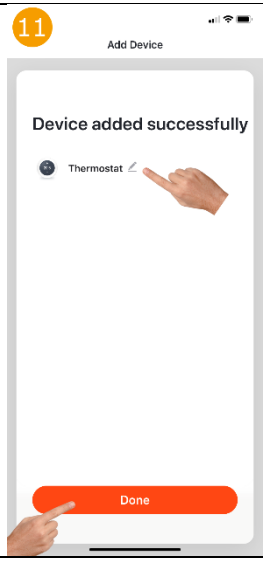
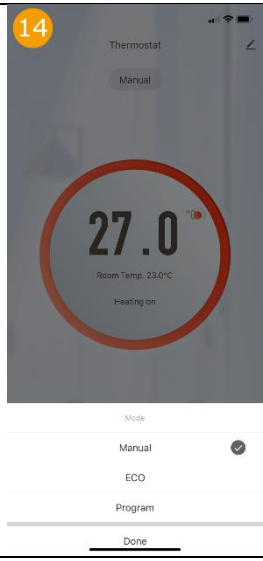
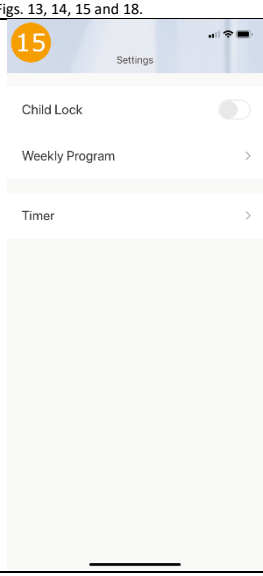
To integrate a thermostat, tap on "Small Home Appliance" on the left and then select "Thermostat" on the right.

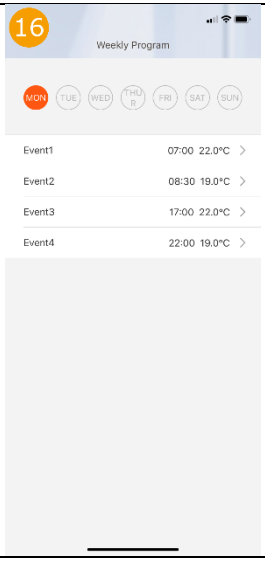
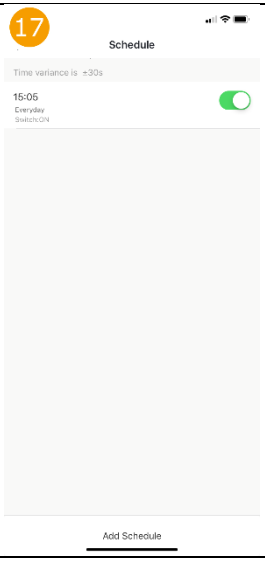
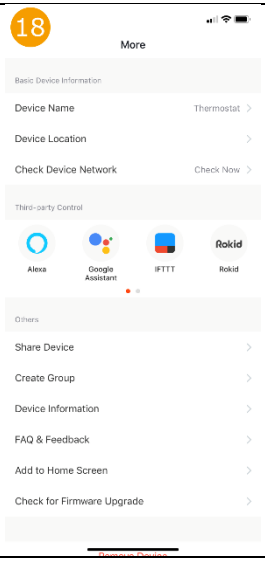


Set the thermostat to teach-in mode: Press the Pairing Key on the thermostat for approx. 3 seconds until. The Status LED „Heating On“ should now flash and the thermostat is in learning mode.



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

		
The app now searches for devices that are in learning mode.	If a device was found, a name can now be assigned. After touching "Done", the integration of the thermostat is successfully completed.	The picture shows the main view of the thermostat. The setpoint temperature is displayed in the middle and the current room temperature below it. The setpoint temperature can be adjusted manually using the Plus/Minus button. The functions of the "Switch", "Mode", "Settings" and "Pen symbol" buttons are explained in Figs. 13, 14, 15 and 18.
		
The thermostat can be switched off or on by touching the "Switch" button.	By touching "Mode" the operating mode of the thermostat can be changed (Manual/ECO/Program).	By touching "Settings" you can set the parental control, the weekly program (fig. 16) and the timer (fig. 17).

		
An individual heating profile can be stored for each day of the week.	Here different timers can be programmed for time-controlled switching on and off.	Shows further settings and integration options in the voice control systems Amazon Alexa and Google Assistant.

Standard values:

The thermostat operates internally with the following standard values. It is not possible to change these values.

Nr.	Function	Adjustment range	Standard value
01	Room sensor Temperature Offset	-	0°C
02	Max. temperature	-	35°C
03	Min. temperature		5°C
04	Internal or external sensor	-	If an external sensor is connected, the internal sensor is not active.
05	Antifreeze Temperature	-	5°C
09	Hysteresis	-	0°C
12	ORD function (detection of open windows)	-	ON (active for room sensor)
13	ORD detection time		30 seconds
14	ORD Temperature difference selection (in the recorded time)	-	2°C
15	Delay time for ORD selection (return to normal state)	-	2min
3140	Software-Version	0110	

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

CE

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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