

P56601FR | P56601SH

GB | Thermostatic and timer-switched socket



P56601FR



P56601SH



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Safety Instructions and Warnings



Read the user manual before using the device.



Follow the safety instructions provided in the manual.

- Read the manual carefully before using the product.
- The device is intended for use in dry, indoor environments only. Do not expose the device to rain, snow or other extreme conditions.
- Do not use the device outdoors!
- Do not overload the device.
- The device must only be connected to and used with 230 V AC (~) / 50 Hz electrical wiring fitted with a protective contact in line with valid electrical regulations.
- Pay attention to the information on the data plate/label of the appliances you connect to the device. Maximum input power of all connected electrical appliances must not exceed 3,680 W (max. current 16 A). Max. inductive load: 4 A.
- Any use of the device not listed in the previous sections of the instructions will result in damage to the product and could cause danger in the form of a short circuit, injury by electric current, etc. The device must not be modified or otherwise restructured! Safety warnings must be followed unconditionally.
- Make sure that the lead-in protective conductor is not disrupted – the life of the user may be endangered if the protective conductor is disrupted.
- The recommended operating temperature is from 0 to +55 °C.
- The device must only be used in areas with no danger of unfavourable operating conditions such as flammable gasses, vapours and dust.
- Never tamper with the electrical circuits of the device or disassemble it! If the device is damaged or non-functional, contact the seller.
- Only clean the device and the LCD screen using a soft dry cloth. Do not use any cleaning agents or immerse the device in water!
- The device is not intended for use by children or persons whose physical, sensory or mental disability or lack of experience and expertise prevents safe use, unless they are supervised by a person responsible for their safety. Keep the device out of reach of children. Children must be supervised to ensure they do not play with the device.



Technical Specifications

Power supply: 230 V~, 50 Hz, 16 A max.

IP rating: IP30

Operating temperature: 0 to 55 °C

increment for setting time: 1 minute

Switched load: max. 230 V AC, 3,680 W;

16 A for resistive load;

4 A for inductive load

Temperature measurement: 0 °C to 45 °C with

0.1 °C resolution; accuracy ± 1 °C at 20 °C

Temperature setting: 5 °C to 40 °C

in 0.5 °C increments

Temperature differential setting: 0.2 °C to 2 °C,

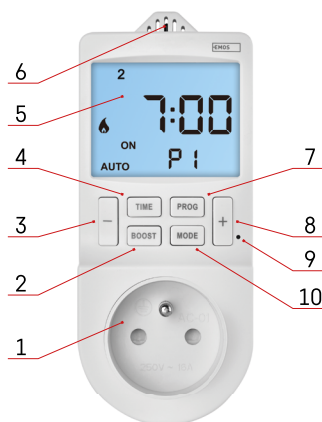
in 0.1 °C increments

Dimensions: 82 × 62 × 146 mm

Device Description

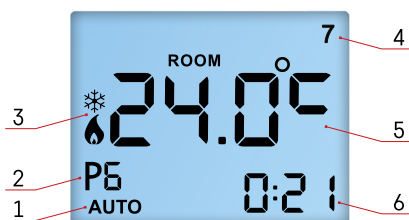
Description of control elements

- 1 – socket for connecting an appliance
- 2 – BOOST button
- 3 – "-" button
- 4 – TIME button
- 5 – screen
- 6 – temperature sensor
- 7 – PROG button
- 8 – "+" button
- 9 – RESET
- 10 – MODE button



Screen in thermostat mode

- 1 – time mode
- 2 – programme number
- 3 – mode icon
- 4 – day number
- 5 – room temperature
- 6 – time/set temperature



Screen in timer mode

- 1 – time mode
- 2 – mode icon
- 3 – day number
- 4 – time
- 5 – programme number



Commissioning

This digital socket combines a switch socket for timed activation/deactivation of home appliances with a thermostatic socket for automatic regulation of electrical heating and cooling systems (convector heaters, ladder radiators, infrared heating panels, air-conditioning).

Plug the socket into a 230 V/50 Hz socket; the screen will activate.

A) USE IN THERMO-SWITCH SOCKET (THERMOSTAT) MODE

Plug the appliance into the thermostatic socket.

Socket Placement


Choose a spot preferably on an inside wall where air circulates freely and there is no direct sunlight.

The connected heating appliance should be at a sufficient distance from the socket to prevent the devices from influencing each other.

Otherwise, the socket may activate the appliance when not needed.

Activating Thermo-Switch Socket (Thermostat) Mode



Long-press the TIME and MODE buttons at the same time to access settings.

Repeatedly press the + and – buttons to select the mode marked as "tHE" . Confirm by pressing the TIME button and continue with further settings.

The settings below are only available when in thermostat mode!

Heating or Cooling Mode

Long-press the TIME and MODE buttons at the same time and then press the TIME button 1x.

Use the + and – buttons to choose between heating  or cooling  mode. Confirm by pressing TIME; this will open:

Temperature Differential Setting

Use the + and – buttons to set a value of 0.2 °C to 2 °C, with 0.1 °C resolution.

Confirm by pressing TIME; this will open:

Room Temperature Calibration

Use the + and – buttons to set a value of -3 °C to +3 °C, with 0.5 °C resolution.

Wait 30 seconds or press MODE to save the setting and return to the main screen.

Explanation of functions:

Temperature Differential Setting

The temperature differential (hysteresis) is the difference in temperature required for the system to switch on and off.
If, for example, you set the temperature in heating mode to 20 °C and differential to 0.2 °C, the thermostat activates heating as soon as room temperature drops to 19.8 °C and switches heating off when temperature reaches 20.2 °C.

Room Temperature Calibration

The temperature sensor in the thermostat is calibrated from production, but additional calibration can be done to optimise the thermostat further, for instance by comparing the measured room temperature with a reference thermometer.

Setting Day and Time

Press the TIME button; the day number will begin flashing.
Use the + and – buttons to set the current day and press TIME to confirm.
The month number will start flashing. Use the + and – buttons to set the current month and press TIME to confirm.
The year will start flashing. Use the + and – buttons to set the current year and press TIME to confirm.
The hour will start flashing. Use the + and – buttons to set the current hour and press TIME to confirm.
The minute will start flashing. Use the + and – buttons to set the current minute and press TIME to confirm.
Wait 30 seconds or press MODE to save the setting and return to the main screen.

Table of Factory Preset Programmes (Max. 6 Temperature Changes a Day)

		Time	Temperature			Time	Temperature
Monday – Sunday Monday – Friday Mon/Tue/Wed/Thu/Fri	P1	6:00	20 °C	Saturday – Sunday Sat/Sun	P1	7:30	20 °C
	P2	8:00	15 °C		P2	9:30	20 °C
	P3	12:00	15 °C		P3	11:30	20 °C
	P4	14:00	15 °C		P4	13:30	20 °C
	P5	17:00	21 °C		P5	16:30	21 °C
	P6	22:00	15 °C		P6	22:30	15 °C

Setting Programmes – Automatic Mode

If the factory preset programmes do not suit your needs, you can adjust their timing and temperatures.
The day can be divided into a maximum of 6 time periods = 6 temperature changes.

1. Press the PROG button; the day number will begin flashing.
1 to 7 = Monday to Sunday.
2. Use the + and – buttons to select days:
individual days in the week/workdays – 1, 2, 3, 4, 5/weekend – 6, 7/whole week – 1, 2, 3, 4, 5, 6, 7.
3. Confirm by pressing TIME; the time value will start flashing and P1 will appear on the screen (indicating the 1st temperature change in the day).
4. Use the + and – buttons to set the time (1 minute resolution) when the 1st temperature change should start and confirm with the TIME button.
5. The temperature value will start flashing; use the + and – buttons to set the temperature of choice and confirm with TIME.
6. The time value will start flashing and P2 will appear on the screen (indicating the 2nd temperature change in the day).
7. Use the + and – buttons to set the time when the 2nd temperature change should start and confirm with the TIME button.
8. The temperature value will start flashing; use the + and – buttons to set the temperature of choice and confirm with TIME.

9. Repeat the process for the remaining temperature changes (P3/4/5/6) in the day.
To end setting, wait 1 minute or press the MODE button.

*Note: If you wish to delete a set programme, long-press the TIME button when the time is flashing.
Move forward in settings by pressing the TIME button; pressing the PROG navigates one step back in settings.*

Manual Temperature Mode

Press the MODE button until SET and a temperature value appear on the right of the screen.
Use the + and – buttons to set the temperature and wait 5 seconds for the setting to automatically save.
The set temperature will be maintained until you cancel manual mode.

Short-Term Manual Temperature Change

When in automatic mode, where temperature is controlled by the selected programme, it is possible to make a short-term change to the current temperature setting.
While in automatic temperature control mode (AUTO and P – programme number displayed on the left side of the screen)
Use the + and – buttons to set the new temperature and wait 5 seconds for the setting to automatically save.
P – programme number will disappear from the screen; AUTO will remain.
The manually set temperature will be maintained until the programmed temperature change.

OFF Mode

Press the MODE button until OFF appears on the screen.
The room temperature and clock will be displayed, but current output from the socket will be turned off.
To reactivate the socket, press MODE repeatedly to set the socket to either the automatic or manual temperature control mode.

BOOST Mode

The BOOST feature can be used to heat up a room in a short time.
Press the BOOST button repeatedly to choose the time frame (30 min to 9 hours, 30 min resolution).
Then, use the + and – buttons to choose temperature; the setting will be saved automatically.
The chosen temperature will be valid for the entire set period.
The time and temperature remaining will flash on the screen along with the room temperature and the clock.
Once the time elapses, the system will automatically switch back to the previous temperature mode and the previously set temperature.
To end the BOOST function prematurely, use the MODE button to select a different temperature mode or press the BOOST button repeatedly until the time setting reaches 9 hours; the next press will deactivate the BOOST function.

B) USE IN TIMER SWITCH SOCKET MODE

Activating Timer Switch Socket Mode

Long-press the TIME and MODE buttons at the same time to access settings.

Repeatedly press the + and – buttons to select the mode marked as "PrO"
Wait 30 seconds or press MODE to automatically save the setting and return to the main screen.

Setting Day and Time

Press the TIME button; the day number will begin flashing.
Use the + and – buttons to set the current day and press TIME to confirm.
The month number will start flashing. Use the + and – buttons to set the current month and press TIME to confirm.
The year will start flashing. Use the + and – buttons to set the current year and press TIME to confirm.
The hour will start flashing. Use the + and – buttons to set the current hour and press TIME to confirm.
The minute will start flashing. Use the + and – buttons to set the current minute and press TIME to confirm.
Wait 30 seconds or press MODE to automatically save the setting and return to the main screen.

Table of Factory Preset Times

		Activation time (ON)	Deactivation time (OFF)
Monday – Sunday Monday – Friday Mon/Tue/Wed/Thu/Fri Saturday – Sunday Sat/Sun	P1	6:00	8:00
	P2	12:00	14:00
	P3	17:00	22:00

Setting Programmes – Automatic Mode

If the factory settings do not suit your needs, you can adjust the timing of the programmes.
You can set a maximum of 24 time programmes.

1. Press the PROG button; the day number will begin flashing.
1 to 7 = Monday to Sunday.
 2. Use the + and – buttons to select days:
individual days in the week/workdays – 1, 2, 3, 4, 5/weekend – 6, 7/whole week – 1, 2, 3, 4, 5, 6, 7.
 3. Confirm with the TIME button; the time value will start flashing and P1 – ON (activation of the 1st programme) will appear on the screen.
 4. Use the + and – buttons to set the time (1 minute resolution) when the 1st time programme should start and confirm with the TIME button.
 5. The time value will start flashing and P1 – OFF (deactivation of the 1st programme) will appear on the screen.
 6. Use the + and – buttons to set the time when the 1st time programme should turn off; confirm by pressing TIME.
 7. The time value will start flashing and P2 – ON (activation of the 2nd programme) will appear on the screen.
 8. Repeat this process for the other programmes.
- To end setting, wait 1 minute or press the MODE button.
While a program is on, the screen will display AUTO ON.
While a program is off, the screen will display AUTO OFF.
*Note: If you wish to delete a set programme, long-press the TIME button when the time is flashing.
Move forward in settings by pressing the TIME button; pressing the PROG navigates one step back in settings.*

BOOST Mode (Countdown)

The countdown function enables turning off an appliance after a preset time.

Press the BOOST button repeatedly to choose the time frame (30 min to 9 hours, 30 min resolution).

The countdown from the set time will start automatically.

The time remaining will be flashing on the screen alongside the mode icon (🔥 or ❄️) and clock.

Once the set time elapses, the system will automatically switch to the previous mode.

To end the BOOST function prematurely, use the MODE button to select a different mode or press the BOOST button repeatedly until the time setting reaches 9 hours; the next press then deactivates the BOOST function.

Note: The BOOST function cannot be used in manual mode (ON).

Manual Mode (ON)

Press the MODE button repeatedly, the display on the left will show ON and the mode icon (🔥 or ❄️).

The socket will remain operational.

The set mode will be active until you switch to another one using the MODE button.

OFF Mode

Press the MODE button until OFF appears on the screen.

The clock will remain on the screen but the current output from the socket will be turned off.

To reactivate the socket, press MODE repeatedly to set the socket to either the automatic (AUTO) or manual (ON) temperature control mode.

Screen Illumination

Pressing any button activates screen illumination for 15 seconds.

Factory Reset

If the socket is not working properly, you can reset it to factory settings.

Long-press the PROG button and insert e.g. a straightened paper clip into the RESET hole; you will hear a click.

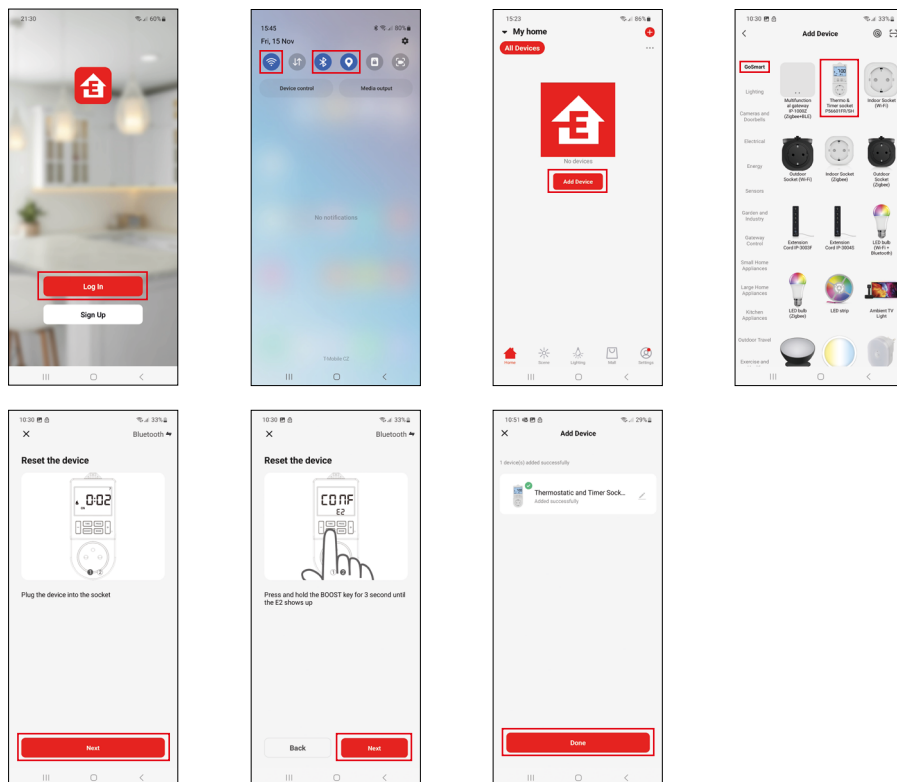
The screen will display all segments/icons; release the PROG button.

Mobile Application



The socket can be controlled using a mobile app for iOS or Android.
Download the EMOS GoSmart app for your device.
Tap the Log In button if you've used the app before.
Otherwise, tap the Sign Up button and register.

Pairing with the App



Plug the device into a 230 V AC/50 Hz socket.

Long-press the BOOST button; E2 will start flashing on the screen.

Tap Add Device in the app.

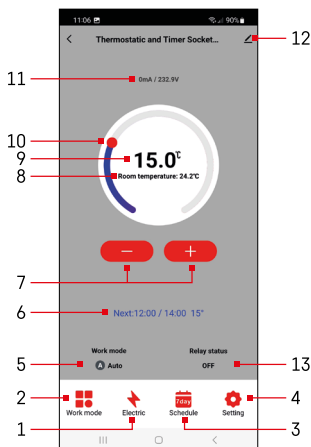
Tap the GoSmart list on the left and tap the Thermo & Timer socket P56601FR/SH icon.

Follow the instructions in the app and enter the name and password for your 2.4 GHz Wi-Fi network.

The gateway will pair with the app within 2 minutes.

Note: If the device fails to pair, repeat the process. 5 GHz Wi-Fi networks are not supported.

In the event of a power failure, the original programme is automatically set within 2 minutes after reconnecting to the WiFi.

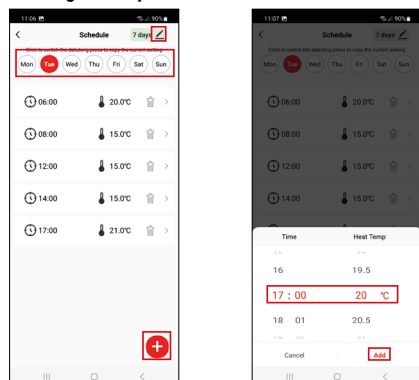



Controls and Functions


App Menu in Thermo-Switch Socket (Thermostat) Mode

- 1 – history of consumption measurement
- 2 – selection of operating mode (automatic, manual, off, boost)
- 3 – temperature schedule setting
- 4 – settings
- 5 – current operating mode
- 6 – next temperature segment
- 7 – temperature adjustment
- 8 – room temperature
- 9 – set temperature
- 10 – temperature adjustment
- 11 – current consumption of the connected device
- 12 – advanced settings
- 13 – relay status

Setting a Temperature Schedule



Tap the  icon to select the day setting: 7 – calendar week, 5+2 – working days + weekend, 24h – single day. Tap to mark the day you wish to programme.

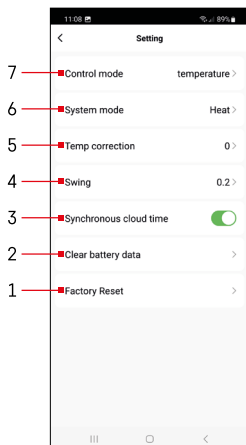
Tap the  icon and set the time (1 min resolution) from which the 1st temperature change will take effect and set the temperature value.

Save using the button in the bottom right.

You can add up to 6 temperature changes during the day this way.

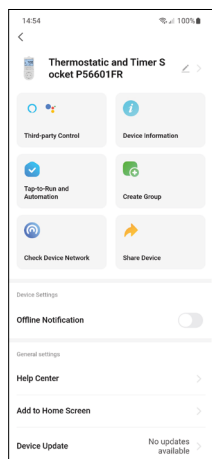
You can copy the settings to other days of the week by long-tapping the icon of the programmed day.

Tapping the recycle bin icon deletes the programme.



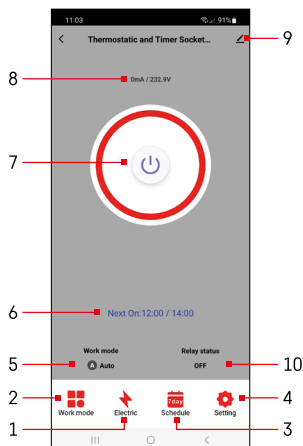
Settings

- 1 – factory reset
- 2 – clear the memory of consumption measurements
- 3 – time synchronization with the cloud
- 4 – differential of set temperature
- 5 – room temperature calibration
- 6 – heating/cooling mode
- 7 – operation in thermo-switch socket (thermostat) mode / operation in time-switched socket mode



Advanced Settings

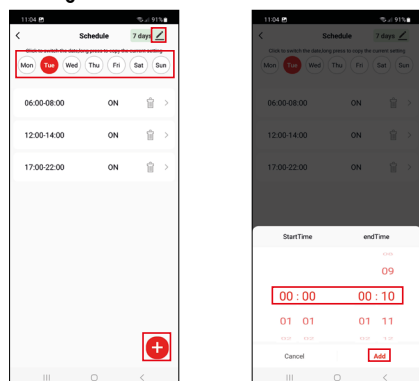
- Third-Party Control – connection to voice assistant
- Device Information – basic information about the device
- Tap-To-Run and Automation – scenes and automations assigned to the device
- Create Group – creates a group of similar devices
- Check Device Network – Wi-Fi network test
- Share Device – shares control of the device with another person
- Offline Notification – notifies when the device is offline for over 8 hours (e.g. power outage)
- Help Center – displays frequently asked questions and their solutions and provides the option to send us a question/suggestion/feedback directly
- Add to Home Screen – adds an icon for the device on the phone's home screen
- Device Update – updates the device
- Remove Device – unpairs the device





App Menu in Time-Switched Socket Mode

- 1 – history of consumption measurement
- 2 – operating mode selection (automatic, manual, boost)
- 3 – time schedule settings
- 4 – settings
- 5 – current operating mode
- 6 – next time segment
- 7 – quick switch on/off
- 8 – current consumption of connected device
- 9 – advanced settings
- 10 – relay status

Setting a Time Schedule



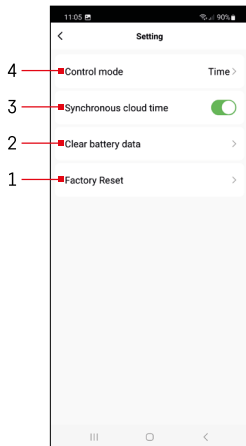
Tap the  icon to select the day setting: 7 – calendar week, 5+2 – working days + weekend, 24h – single day. Tap to mark the day you wish to programme.

Tap the  icon and set the time (1 min resolution) for the start and the end of the 1st time schedule. Save using the button in the bottom right.

You can set a maximum of 24 time schedules this way.

You can copy the settings to other days of the week by long-tapping the icon of the programmed day.

Tapping the recycle bin icon deletes the programme.



Settings

- 1 – factory reset
- 2 – clear the memory of consumption measurements
- 3 – time synchronization with the cloud
- 4 – operation in thermo-switch socket (thermostat) mode / operation in time-switched socket mode

Troubleshooting FAQ

The socket is not working

- check that the socket is receiving power
- check that the heating/cooling mode is set correctly
- check that the time and day is set correctly
- restart the socket