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Why choose Themo Smart Thermostat?

Themo offers an easy way to save electricity and reduce the carbon footprint of your household – without compromising on comfort.

Themo Smart Thermostat optimizes and controls your underfloor and ceiling heating room-specifically taking into account your requirements, the outdoor temperature, and the price of electricity. Themo Smart Thermostat is especially beneficial to those with exchange electricity contracts, who can save 32% on average on their electricity bills.

- · Smaller electricity bills right away
- Even temperature based on your requirements
- Easy remote control of heating with the Themo app
- · Real-time information on the price level of electricity
- Environmentally friendly you will consume less energy and ensure that a larger share of the energy you consume is produced from renewable sources
- Quick and easy implementation
- One-off cost: you only pay for the smart thermostats and their installation
- Themo Smart Thermostat comes with a limited always available to you.



How Does Themo Smart Thermostat Work?

Themo makes smart electricity consumption decisions on your behalf.

The algorithm that controls Themo learns to optimize the temperature individually in each room using dozens of parameters. Machine learning will take the heat reservation capacity of the floor, the price of electricity, and the weather forecast into account in heating your floors.

In addition to automatic optimization, you can also monitor and control the heating yourself by specifying times when the house is empty, thus allowing the optimization to reduce the temperature when appropriate.

Themo is best suited for optimizing the use and expenses of exchange electricity where the price varies based on the market price of the power exchange. Themo optimizes the electricity consumption for the underfloor heating based on the market price and schedules the supply of power according to the most affordable and environmentally friendly times.

Themo can also create an optimal heating schedule that saves electricity for those on fixed-rate electricity contracts, as it monitors and optimizes heating needs room-specifically.

Three Different Operating Modes

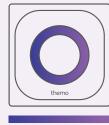
Off mode:

Themo Smart Thermostat only heats the room when the temperature falls below the temperature specified by you - this could also be the minimum temperature required to prevent freezing (typically +5 °C, which is also the default setting for Themo Smart Thermostat). The LEDs are turned off.



Smart Program mode:

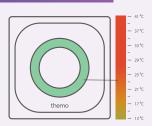
Themo Smart Thermostat heats the room according to the heating schedule, and the LEDs indicate variations in the price of electricity (customizable colors).



High price

Manual mode:

Themo Smart Thermostat functions as a regular thermostat, which allows you to adjust the temperature through the app or directly on the device. The LEDs are used to indicate the selected temperature.



Themo Smart Thermostat Features

Themo Smart Thermostat is a flush-mounted room thermostat designed to fit a standard wall outlet frame.

The stylishly designed Themo Smart Thermostat is equipped with an LED indicator that changes color to show you the price level of electricity in real time.

Themo utilizes the Wi-Fi network in your home.

If the device cannot connect to the Wi-Fi, optimization continues for 24 hours using the offline memory.

If Wi-Fi is not available, Themo functions as a regular thermostat without optimization.

All data is protected.

Themo uses latest industry standards to ensure that all your data is stored securely.

> The device features a childproof lock.

You can control the temperature and heating schedules and monitor the energy consumption easily

with the mobile app installed on your smartphone or tablet, or a web app accessed with a computer.

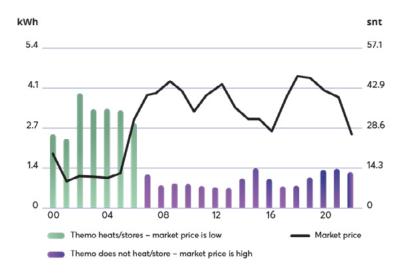
Option to specify different temperature schedules based on one-week (7 days) periods.

Electricity consumption history for the previous 2 weeks (we can also provide the history for the whole operating time on request).

Usage Examples

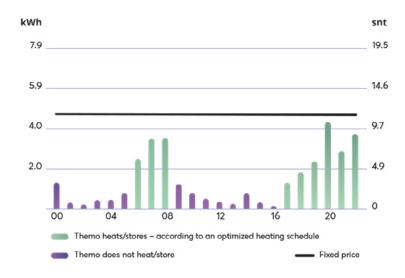
Electricity Consumption in a Detached House with an Exchange Electricity Contract

Themo Smart Thermostat offers exchange electricity customers a significant added benefit by optimizing heating and heating costs. The thermostat optimizes electricity consumption for the underfloor heating based on the market price and schedules the supply of power according to the most affordable and environmentally friendly times.



Scheduling Underfloor Heating in a Bathroom Based on Requirements

Themo Smart Thermostat creates an optimal heating schedule that saves electricity for customers on fixed-price contracts as well. It monitors and optimizes the heating needs according to a room-specific heating schedule.



Calculate how much you could save on heating costs

Purchase, Installation, and Implementation

Check compatibility with your underfloor heating system and purchase the required number of Themo Smart Thermostats from our online store or one of our retailers (1 Themo per heated room).

Download the Themo mobile app

> to your smartphone and create a free Themo account.

Call a qualified electrician,

who can install the thermostats in approximately 15 minutes following our instructions.

Follow the instructions in the Themo app to set up the Wi-Fi connection, electricity rate profile, and room profiles

(the times when people are at home and the desired temperatures – you can create several heating schedules)

Themo Smart Thermostat will begin optimizing your heating immediately

- nothing more is required from you.

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If you want, you can monitor and control

the consumption of electricity for the underfloor heating in the app.

If you require more support during the implementation or later, see our Support page for instructions and submit a support request if necessary, and we will contact you.

Contents of the Themo Smart Thermostat Package

Included in the box:

- Flush-mounted Themo Smart Thermostat
- Installation instructions and user manual
- Wall frame (Merten System M)
- Two wall-mounting screws
- Wire cap

Warranty

The product has a limited two-year warranty under the Finnish Consumer Protection Act.

EU Declaration of Conformity

The CE marking signifies that the device meets the requirements of EU regulations. The product conforms to the following EU directives amendments included and the requirements provided by national legislation:

• EU Low Voltage Directive 2014/35/EU

Compatibility with Underfloor Heating Systems

Themo can be used to replace all 230 V electric underfloor thermostats that are on the market. The product is compatible with the most commonly used floor sensors from most underfloor heating system manufacturers. You do not have to replace the existing floor sensor, as Themo Smart Thermostat utilizes machine learning to detect the resistance of the temperature sensor.

The most common sensor types and their manufacturers are:

- Teplolux / NTC 6,8 kOhm
- Aube / NTC 10 kOhm
- FENIX / NTC 10 kOhm
- Raychem / NTC 10 kOhm
- Themo / NTC 10 kOhm
- OJ Electronics / NTC 12 kOhm
- Warmup / NTC 12 kOhm
- Devi / NTC 15 kOhm
- Mark Eire / NTC 22 kOhm
- Nobo / NTC 22 kOhm
- Eberle / NTC 33 kOhm
- Ensto / NTC 47 kOhm

Technical Specifications

Installed sensors:

Floor sensor, room sensor

Voltage: 220-240 V, 50 Hz

Standby current:

Max 1,8 W

Capacity:

Max 12A/3000 W @ 230 V

Maximum floor temperature:

45 °C

Offline temperature setting:

Default 5 °C

Dimensions: W70 x L70 x H48 mm

Weight: 120 g

Material:

ABS and PC plastic, white, glossy

display device: 16x RGB LED

Languages:

English, Finnish, Estonian, Russian

Remote control requires:

- Wireless Wi-Fi network connection
- Free Themo user account
- Themo mobile app and/or access through the web application

Cable:

Use cable with a diameter of 1.5 mm² or 2.5 mm² depending on the power consumption.

The front panel includes a single touch switch that can be used to change the operating mode or set the temperature manually.

Rethinking electric heating

It is Themo's objective to enable cleaner and more affordable electric heating for everyone. We achieve this by using smart technology that reduces the consumption of electricity.

Achieve Savings Through Smart Consumption of Electricity

On our website and in our online store you can find answers to

- Questions regarding the features and use of the product
- Frequently Asked Questions

You can also contact Themo's user support with any questions related to implementation or in case of a malfunction.

themo

Themo Nordic Oy Lapinlahdenkatu 16, FI-00180 Helsinki, Finland

info@themo.io themo.io