tado°
Smart Thermostat

GERMAN DESIGN AWARD WINNER 2017

iF DESIGN AWARD 2014

Smarter heating with your Smart Climate Assistant

tado° Smart Thermostats make your home more comfortable. Now your heating system can adapt to your life whilst becoming more efficient than ever before. The unique features of the Smart Climate Assistant enable you to save up to 31% on your heating bill. Completely automatically.

Geofencing
tado° uses the residents' locations to automatically control the heating: it heats up when someone heads home and turns down when the last person leaves, so that no energy is wasted.

Save Money
tado° saves up to 31% heating energy, and pays for itself within a short period of time.

Multi-Room Control
tado° controls multiple heating zones and rooms separately.

Smart Schedule
tado° provides full manual control as well as a detailed automatic schedule.

Weather Adaptation
tado° adapts the way it heats using the weather forecast, making use of natural heat to save energy.

Open Window Detection
tado° recognises sudden drops in temperature or humidity when a window is opened and turns the heating off temporarily to save energy.

Specific features of the Smart Thermostat

Heating system alerts
tado° informs you about problems with your heating system. Get tips, alerts and instant help for complete peace of mind.

Hot water control
tado° can also control your hot water: Set a schedule or let tado° manage it automatically.
(Depends on system compatibility. An Extension Kit may be required.)

Additional features

Control from anywhere: have full access from your phone, tablet or computer.

More control: see the current room temperature and humidity, and change the settings from anywhere, at anytime.

Insightful reports: instant access to your temperature and heating activity history for each zone.

Secure data: all communication encryption conforms to online banking standards.

Auto updates: always have the latest software and get new features for free.

Wireless: place the Smart Thermostat anywhere in the house. [1]

Model predictive control: proprietary algorithms to optimize energy usage.

Underfloor heating: replaces current wired underfloor thermostats. [2]

Building characteristics integration: tado° learns how fast your home warms up and cools down, so it always chooses the right time to start heating.

Additional features of the Smart Radiator Thermostat

Easy usage: change the temperature by turning the ring.

Synchronized: All Smart Radiator Thermostats in one room are synchronized.

Retrofitting: can be fitted to old or new radiators.

Specifications

General

- **Sensors:** temperature / humidity / ambient light

- **Environmental certifications:**
  German engineered, production certified: ISO 14001 / ISO 9001 / BS OHSAS 18001 / EU RoHS compliant recyclable packaging

- **Internet connection:**
  via a tado° Internet Bridge connected to an ethernet port of the home's internet router

- **Radio communication (between devices):**
  868 MHz, Mesh (6LoWPAN)

- **Warranty:** 2 year limited warranty

- **Data encryption:**
  TLS 1.2 (SSL), 2048-bit Extended Validation Certificate / TLS 1.2 (SSL), 256-bit elliptic curve encryption / AES-CCM encryption

- **Product material and finish:**
  PC + ABS plastics / white, matte

- **Languages:** English, German, French, Italian, Spanish, Dutch, Czech

- **Savings potential:** based on a study by the Fraunhofer Institute for Building Physics (Germany, 2013)

Smart Thermostat

- **Power supply:** 5-36 VDC 0.2 A / 4.5 VDC (3 AAA batteries, 1200 mAh, average life ~ 2 years)

- **Interface:** LED matrix 10 × 19 LEDs, 32 × 20 mm / buttons: 2× capacitive touch, 1× mechanical

- **Dimensions (L × W × H):**
  Smart Thermostat 104 × 104 × 19 mm / Internet Bridge 81 × 27 × 22 mm / Extension Kit 102 × 150 × 28 mm

- **Weight:** Smart Thermostat 132 g / Internet Bridge 61 g / Extension Kit 210 g

Smart Radiator Thermostat

- **Power supply:** 3 VDC (2 AA batteries, 2400 mAh, average life ~ 2 years)

- **Interface:** LED display, mechanical control ring

- **Dimensions:** Smart Radiator Thermostat (L × D) 78 × 52 mm / Internet Bridge (L × W × H) 81 × 27 × 22 mm

- **Weight:** Smart Radiator Thermostat 178 g / Internet Bridge 61 g

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Compatibility

The Smart Thermostat Works with almost all systems:

- combi, system and heat-only boilers
- conventional and condensing boilers
- electric underfloor systems (maximum switching current of 6 A)
- air source and ground source heat pumps (heating only)

- zoned systems (one tado° Smart Thermostat per zone)
- switched live systems
- potential-free (dry-contact) systems
- systems with low-voltage analog and digital bus interfaces

The Smart Radiator Thermostat works with the majority of radiator valves.

- Connection M30 × 1.5 mm
- Available for both vertical and horizontal valves

- Set of adapters for the most common valves included

[1] **The tado° Extension Kit**
- Replaces two channel programmer for hot water control.
- Works as a wireless receiver for the heating system / boiler.

[2] **Additional Smart Thermostats**
Control additional heating zones by replacing idividual wired thermostats, including those for underfloor heating.

Smart Thermostat - Starter Kit

Inside the box:

- tado° Smart Thermostat
- tado° Internet Bridge
- 2× Sticky pads
- 3× AAA batteries

- Housing screw
- 2× Wall mounting screws
- 2× Wall plugs
- Labels for wiring

- Power adapter
- USB cable
- Ethernet cable

Packaging:

Dimensions (L × W × H): 175 × 175 × 116 mm
Weight: 700 g

EAN:

UK 4260328610633	IT 4260328610640	FR 4260328610664
CH 4260328610688	ES 4260328610657	BX 4260328610671

Smart Radiator Thermostat – Starter Kit

Inside the box:

- 2× tado° Smart Radiator Thermostat
- 2× 2 AA batteries

- 2× set of adapters
- tado° Internet Bridge
- Power adapter

- USB cable
- Ethernet cable

Packaging:

Dimensions (L × W × H): 175 × 175 × 122 mm
Weight: 1045 g

EAN:

UK horizontal
4260328610718

UK vertical
4260328610725

Smart Radiator Thermostat

Inside the box:

- tado° Smart Radiator Thermostat

- 2× AA batteries
- Set of adapters

Packaging:

Dimensions (L × W × H): 175 × 88 × 60 mm
Weight: 330 g

EAN:

All Countries
horizontal
4260328610589

All Countries
vertical
4260328610596

Smart Thermostat

Inside the box:

- tado° Smart Thermostat
- 2× Sticky pads
- 3× AAA batteries

- Housing screw
- 2 Wall mounting screws
- 2 Wall plugs

- Labels for wiring

Packaging:

Dimensions (L × W × H): 175 × 175 × 55 mm
Weight: 350 g

EAN:

All Countries
4260328610404

Extension Kit

Inside the box:

- tado° Extension Kit
- Cable
- Terminal

- Euroblock plug
- RAST5 plug
- 2× Wall mounting screws

- 2× Wall plugs
- Labels for wiring

Packaging:

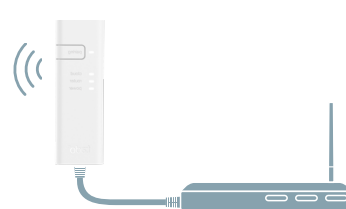Dimensions (L × W × H): 175 × 175 × 55 mm
Weight: 550 g

EAN:

UK
4260328610084

All other Countries
4260328610602

Setup

All tado° devices communicate wirelessly amongst one another and with the Internet Bridge, which plugs into the router to connect to the internet. Up to 25 devices can be added using one Internet Bridge. The Internet Bridge is included in every tado° Starter Kit.

In Combination

The Smart Radiator Thermostats perfectly complement a tado° Smart Thermostat which controls the boiler.

As all the tado° devices communicate with one another, the boiler activity is aligned with the temperature control for individual rooms, which saves energy and provides even more comfort.

App

- For iOS 9, Android 4.0.3, Windows 10 or above
- Free download and app updates

Download on the **App Store**   GET IT ON **Google Play**   Get it from **Microsoft**

Integration

Works with **Apple HomeKit**   works with the **Google** Assistant   WORKS WITH **amazon alexa**   connect with **IFTTT**

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