



Time for Smart Heating

Replace your old thermostat with the internet-connected tado° Smart Thermostat and experience a new level of comfort and control while saving energy and money. Using your phone's location, tado° automatically turns down the heat when you leave home and warms up before you arrive so you don't spend more than you have to.



More Control

tado° always lets you know the current room temperatures and lets you change the settings from anywhere, at anytime.



Geofencing

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



Weather forecast integration

tado° uses local weather forecasts in real time to control your heating most efficiently, e.g. heat less on a sunny day.



Building characteristics integration

Your home is unique. tado° quickly works out how fast it heats up and cools down to make sure your heating always starts at the right time.



Energy savings

tado° reduces your heating bill by up to 31%, saving you £200+ annually. It pays for itself within a year while increasing your home's energy efficiency.



Insightful reports

Instant access to your temperature and heating activity report for your home.



Heating system alerts

tado° informs you about any problem with your heating system so that it always runs flawlessly. 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. In some cases the tado° Extension Kit might be needed. ¹⁾

Additional features



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



Schedules: full manual control available including detailed day / night schedules



Underfloor Heating: replace current underfloor thermostats ²⁾



Secure data: online banking security standards & data encryption



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



Multi-Zone: control multiple heating zones separately ²⁾



Model predictive control: proprietary algorithms to optimise energy usage



Retrofitting: can be installed with old or new heating systems



Wireless: place the Smart Thermostat anywhere in the house ¹⁾

Specifications

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

Sensors: temperature / humidity / ambient light

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

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

Environmental certifications: German engineered,
production certified: ISO 14001 / ISO 9001 / BS
OHSAS 18001 / RoHS Recyclable packaging

Warranty: 2 year limited warranty

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

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

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

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

Compatibility

Works with almost all systems:

- combi, system and heat-only boilers
- conventional and condensing boilers
- hydronic underfloor systems
- 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
- Requirements: Central heating system, standard internet access and router at home, Smartphone

¹⁾ The tado° Extension Kit

- Replaces your programmer for hot water control.
- Works as a wireless receiver at the heating system / boiler.



²⁾ Additional Smart Thermostats

To control additional heating zones individually replace the current thermostats, including those for underfloor heating.

App

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



Integration



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 cabling
- Power adapter
- USB-Cable
- Ethernet Cable



Packaging:

Dimensions (H x W x D) 175 x 175 x 116 mm
Weight 700 g

EAN:

UK 4260328610633
CH 4260328610688

IT 4260328610640
ES 4260328610657

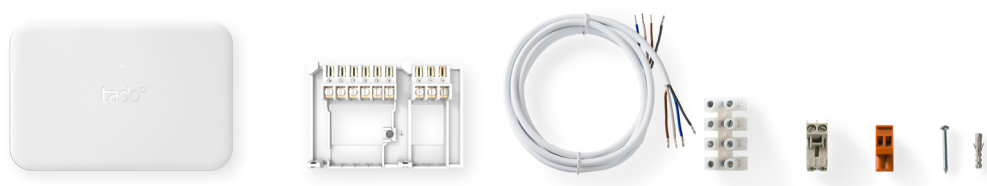
FR 4260328610664
NL / BE 4260328610671

Extension Kit



Inside the box:

- tado° Extension Kit
- Cable
- Terminal
- Euroblock plug
- RAST5 plug
- 2 Wall plugs
- Labels for cabling
- 2 Wall mounting screws



Packaging:

Dimensions (H x W x D) 175 x 175 x 55 mm
Weight 550 g

EAN:

UK
4260328610084

All other Countries
4260328610602

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 cabling



Packaging:

Dimensions (H x W x D) 175 x 175 x 55 mm
Weight 350 g

EAN:

All Countries
4260328610404

Smart Radiator Thermostat



Inside the box:

- tado° Smart Radiator Thermostat
- 2 AA batteries
- 6 adapters



horizontal



vertical

Packaging:

Dimensions (H x W x D) 175 x 88 x 60 mm
Weight 278 g

EAN:

All Countries horizontal
4260328610589

All Countries vertical
4260328610596

Setup

All tado° devices communicate wirelessly among 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.



In Combination

The Smart Radiator Thermostats perfectly complement the 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 in single rooms, which saves energy and provides even more comfort.

tado°

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