



tado°

Smart Thermostat



Introduction

We are tado°

We believe that **every home** should have an intelligent control for the heating. We can no longer afford to waste energy.

This vision has driven the development of our products **since 2011**. Our team in **Munich** is made up of enthusiastic engineers, software developers and designers.

Intelligent for us does not just mean to have a remote control on your phone, but to have a control that adapts based on the locations a home's residents: A control that works **automatically in the background** and is as easy to use as possible.



Introduction

Your heating in your hand.



Smart Thermostat



App



Smart Radiator Thermostats

Benefits

Why tado°?

Benefits

Geofencing

The tado° Smart Thermostat turns down the heat when all residents have left home and heats up in time for your return.

Phone's Location

This is possible because the tado° app uses your phone's location.

Smart Temperature

The Away temperature depends on your distance from home. The closer you get to home, the closer the temperature moves to your desired temperature. It can adapt over time even if you work close to home.

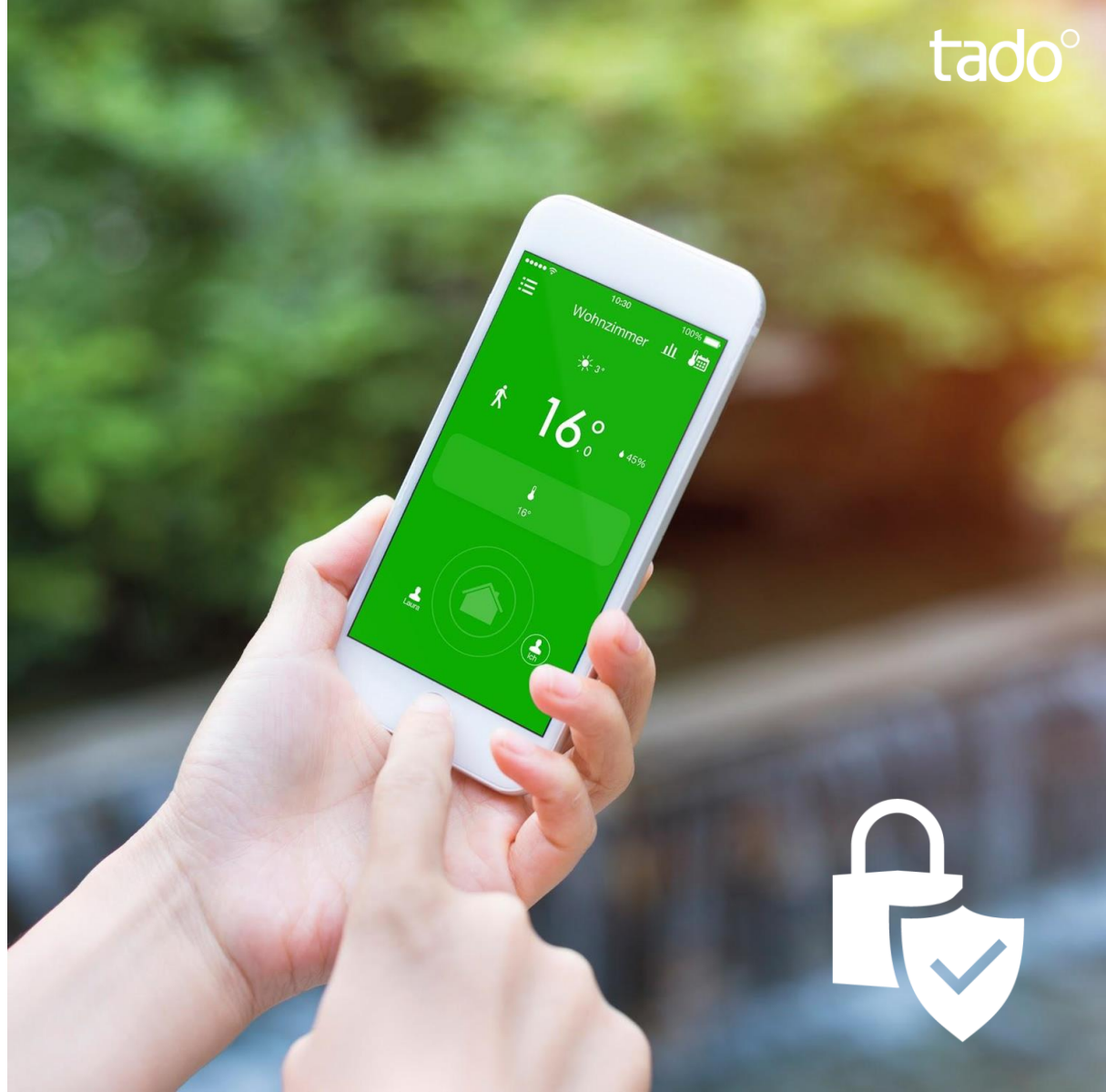


Benefits

Data security

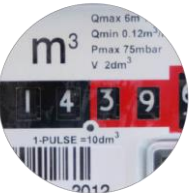
Is my data at tado° secure?

Ensuring data security and protecting our customers' information is our top priority. That's why tado° only stores the minimum data required to intelligently control your heating system and deletes all unnecessary data. To transfer and store the data, tado° uses the latest security technology, which meets the current online banking standard. All data is made anonymous and encrypted wherever possible.



Benefits

Why is tado° so great?



Saves Money

The average family saves up to £250 a year with tado°.



More Comfort

Always return to a warm and cosy home, while saving when you're away.



Control from Anywhere

Change the room temperature in the app from anywhere, at any time.



Weather Forecast Integration

Heats less when sunshine is predicted to keep your preferred room temperature.



Insightful Reports

Instant access to your temperature, heating activity and savings report.



Platform Integration

tado° works with the most important platforms to make your home truly smart.



Benefit

Why tado° is outstanding?

**Most intelligent Heating Control**

Using location-based control, tado° automatically adapts to your behaviour without you having to lift a finger.

**Easiest Setup + Use**

Plug and play. Just connect your device to the internet and start using tado°.

**Unmatched Heating Expertise**

For all manufacturers, old and new, for any boiler, and works in combination with radiator thermostats.

Benefits

We guarantee your savings

Not convinced within 12 months?
Get your money back. No questions
asked.



Benefits

For Smarthome Platforms

tado° works with the most important platforms to make your home truly smart.



"Alexa, set the kitchen temperature to 22°"



Products

In Detail

Products

The app



Home

Away

Manual

Smart Schedule

Report



Products

Usage

The mobile app tells your devices how far you are away, shows you the temperature and humidity at home and lets you change all settings at any time – no matter where you are..



**Web access via
tado.com/login**

Zone Name

Current
tado° Mode

Target
Temperature



Weather

Current Room
Temperature

Room's Relative Humidity

Residents' Relative
Locations

Products

Smart Radiator Thermostat

Controls individual radiators either on their own, or in combination with a Smart Thermostat which controls the boiler.

There is a vertical and a horizontal version available.



Products

Operation

Simply turn the knob to set the temperature just like on traditional radiator thermostats.



Features

**Child lock**

You can easily lock the Smart Radiator Thermostat in order to keep your children from changing the settings.

**Synchronised**

All Radiator Thermostats in one room are synchronised: changing the temperature on one changes the temperature on all.

**Open Window**

When a window is opened to air the room, this is detected by tado° and will pause the heating for 15 mins.

**Building Characteristics**

Your home is unique and tado° quickly works out the most efficient way to heat it.

Products

Smart Thermostat

Controls any kind of boiler: Combi, system and heat-only, conventional and condensing boilers.

Smart Home



tado°

Products

Smart Thermostat

Controls underfloor heating and
replaces existing thermostats.



Products

Operation

You can check the current temperature and change the settings on the device.



LED Matrix Display

Shows current information and settings

Touch Arrows

To change the temperature and settings (arrows only appear if you can change a setting)

Push Button

To activate the display and move to the next screen and thereby confirm the selection

Products

Manual Control/ Boost

Too cold or too hot? You can change the desired temperature temporarily without changing the Smart Schedule.

In the App

By touching the current target temperature, you can also select how long the manual change should be active.

On the Smart Thermostat

Simply change the temperature using the arrows - manual control is activated and shown by the hand icon. A default duration can be set in the app.



Products

Internet Bridge

The Internet Bridge plugs into the internet router. All tado° devices connect wirelessly to the Internet Bridge and the internet.

Why not Wi-Fi?

Wi-Fi connection requires significant electrical power and has a limited range indoors. To be more flexible, the tado° devices are battery-powered and use a low power radio protocol.

Connecting

The provided Ethernet cable connects the Internet Bridge to the router. Power is supplied via a USB cable that either plugs into the router or into a power socket using the provided adapter.



Products

Independent of Local Platforms

Internet-based Platforms

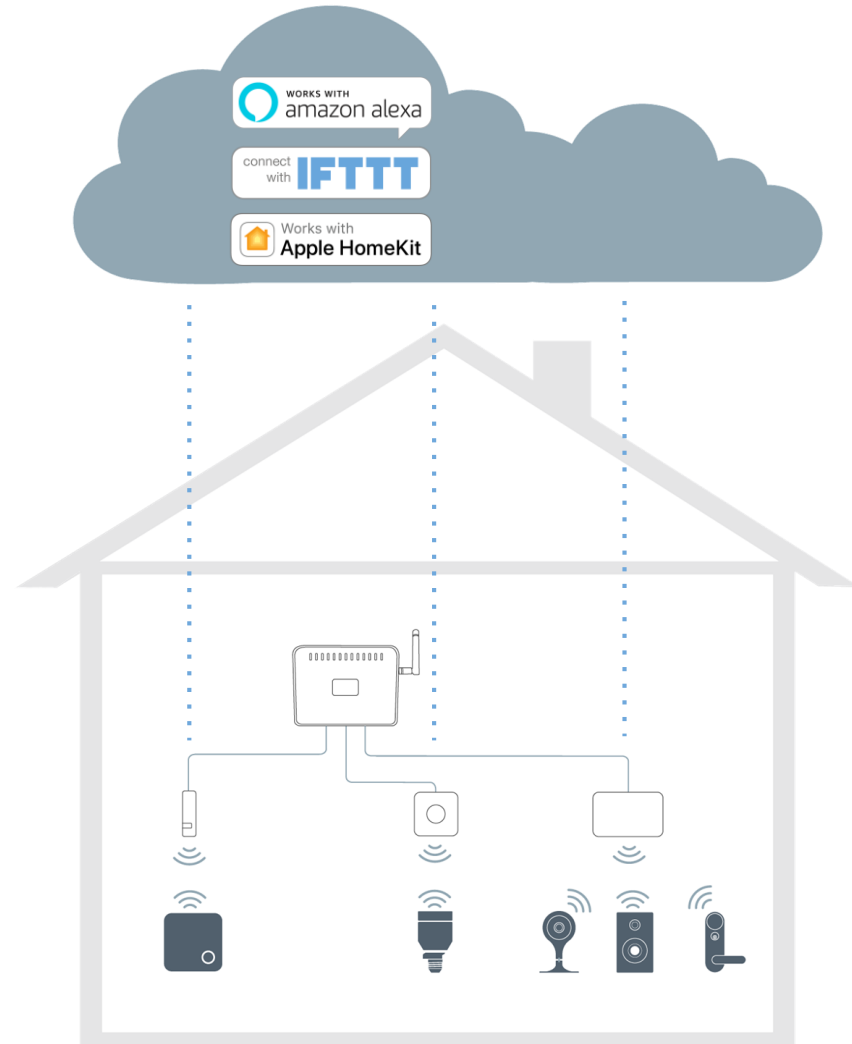
If smart products can be connected to the internet they can also be aligned with internet-based platforms.

Local Communication Does Not Matter

Local communication between devices is not important, neither is the use of a common protocol (e.g. Zigbee or Z-Wave) nor that they connect to the same "smart hub".

Internet Bridges

Until a universal standard is agreed upon, most manufactures such as tado° or Philips Hue will continue to use their own bridge.



Products

Setup

The tado° products communicate wirelessly between one another and the Internet Bridge.

Secure Data

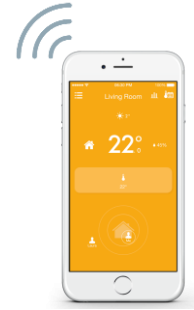
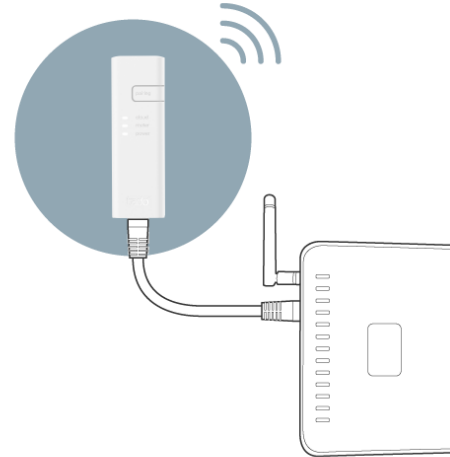
The communication between the devices, the certified high-security servers and the mobile devices conforms to online banking standards.

Works Offline

Naturally the devices will continue to function even without the Internet - this only affects control over the app.

Free Updates over Internet

The software on the devices is updated and improved on a regular basis – just like on your phone.



Products

Overview UK

Starter Kit Smart Thermostat



Room thermostats

Starter Kit Smart Radiator Thermostat



Radiators

Accessory: Extension Kit



Dual Channel
Programmer

Accessory: Smart Thermostat



Additional Room
Thermostats

Accessory: Radiator Thermostats



Additional Radiators

Products

Overview Europe

Starter Kit Smart Thermostat



Starter Kit Smart Radiator Thermostat



Accessory: Extension Kit



Accessory: Smart Thermostat



Accessory: Radiator Thermostats



Room thermostats



Radiators

Wireless Receiver

Additional Room
Thermostats

Additional Radiators

Products

Tado° Product Overview



Smart
Thermostat



Extension Kit



Internet Bridge



Smart Radiator
Thermostat



Products

As a Wired Room Thermostat

An existing wired room thermostat can be replaced by a Smart Thermostat.



tado°



Products

As a Wireless Thermostat with Extension Kit

If there is no wired room thermostat connected to the boiler, then the Smart Thermostat can be used wirelessly with the addition of the Extension Kit.

The Extension Kit can also replace a dual channel programmer to control hot water in the UK.

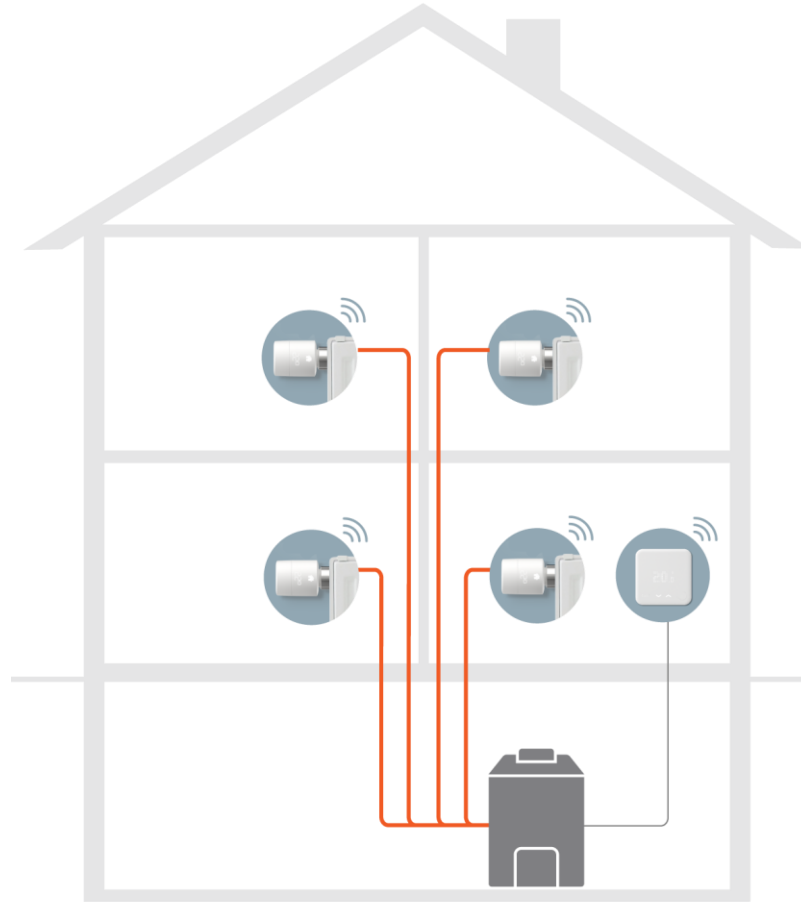


Products

Combined Installation

Installing the Smart Radiator Thermostats together with a Smart Thermostat controlling the boiler results in a much more efficient system. The activity of the boiler can be adapted to the heat demand of the individual rooms, or turned off if there is no demand from any room.

Other than tado° and Honeywell, no other manufacturer of Smart Radiator Thermostats can offer such control.



Products

tado° Installation Setups

A.

Single room control, Radiators

The **tado° Smart Radiator Thermostat** replaces the current Radiator Thermostat.

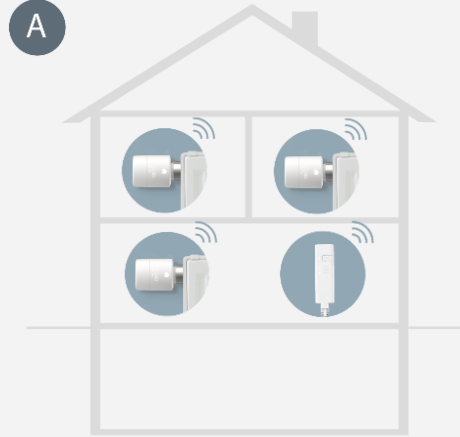
The **tado° Bridge** connects to the router and establishes a connection to the internet.

B.

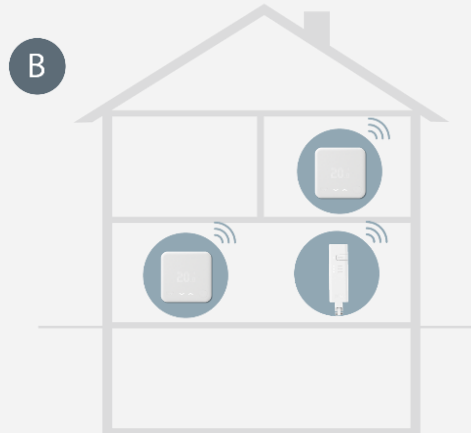
Single room control, Underfloor heating

The **tado° Smart Thermostat** replaces the current room thermostat and connects directly to the zone valve.

The **tado° Bridge** connects to the router and establishes a connection to the internet.



Smart Radiator Thermostat , Internet Bridge



Smart Thermostat, Internet Bridge

Products

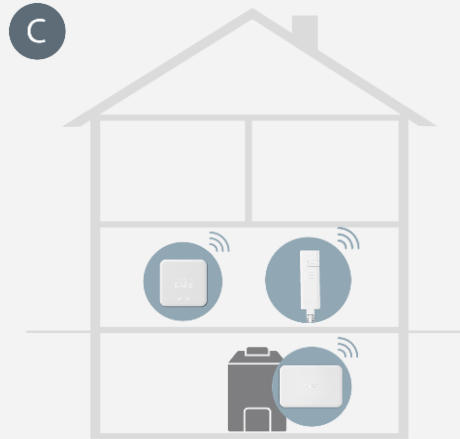
tado° Installation Setups

C. Wireless control of the boiler

The **tado° Smart Thermostat** functions as room sensor and remote control.

The **tado° Extension Kit** connects directly to the boiler.

The **tado° Bridge** connects to the router and establishes a connection to the internet.



Smart Thermostat, Extension Kit, Internet Bridge

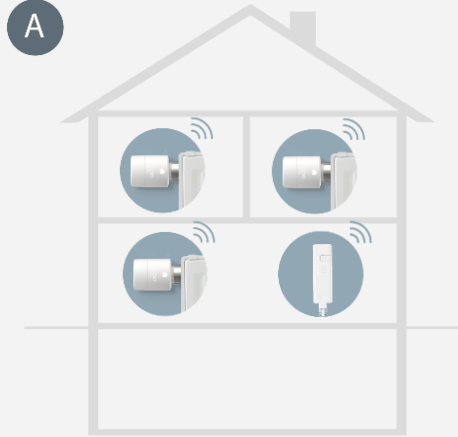
Products

Installation Setups

A.**Single room control, Radiators**

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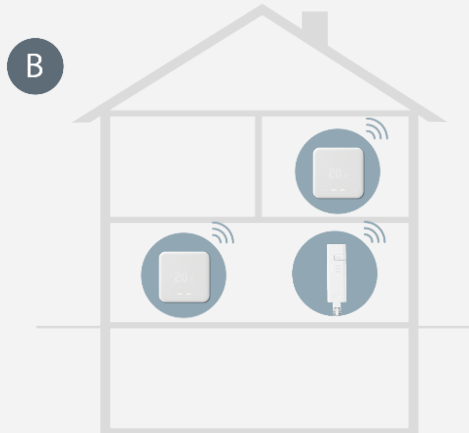


Smart Radiator Thermostat , Internet Bridge

B.**Single room control, Underfloor heating**

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Smart Thermostat, Internet Bridge

Products

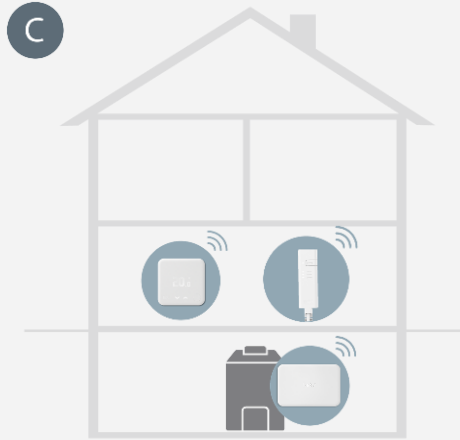
Installation Setups

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The **tado° Bridge** connects to the router and establishes a connection to the internet.



Smart Thermostat, Extension Kit, Internet Bridge

Products

Installation

Installation

Self Installation

Detailed Online Instructions

We offer detailed step-by-step installation instructions for more than 4,000 different boilers.

DIY Customers

95% of all tado° customers happily install their devices by themselves.

Technical Support

Our highly trained Technical Support Team is available to assist at any time during the installation.



Installation

Installation Service

If you would prefer not to do the installation yourself, we offer complete installation for £50 by one of our certified installers.

Register at tado.com/start

To book the installation service, just register your devices and select the preferred date and time. To ensure compatibility with tado°, you will be asked some simple questions regarding your heating system.



Installation

Compatibility

The Smart Radiator Thermostat works with **most thermostatic radiator valves**. Thermostatic radiator knobs show a scale.

No Tools Needed

If your old thermostat sits too tight on the valve, use a towel to loosen the screw nut or a pipe wrench.

3 Adapters

Each Smart Radiator Thermostat comes with various adapters so it can be fitted to almost any valve.

Water-Free Installation

The valve remains intact, so there is no risk of a leak.



For thermostatic
valves



Not suitable for
simple type valves

Installation

Compatibility

We support all major manufacturers and support almost all heating systems. We support all major manufacturers and almost all heating systems, such as:

Alpha
Ariston
Baxi
British Gas
Bosch
Drayton
Glow worm
Honeywell
Ideal
Potterton
Vaillant
Viessmann
Worcester
... and many more



Installation

Service and Repair

Boiler Error Alerts

Emergency and maintenance warnings in real time allow to plan ahead and take required maintenance and repair material at the first visit.

Boiler Monitoring Data

Easy troubleshooting and quick solutions by real time boiler data.

Boiler Documentation

Detailed documentation of fault codes, including recommended solutions. Maintenance documentation and spare part registry.



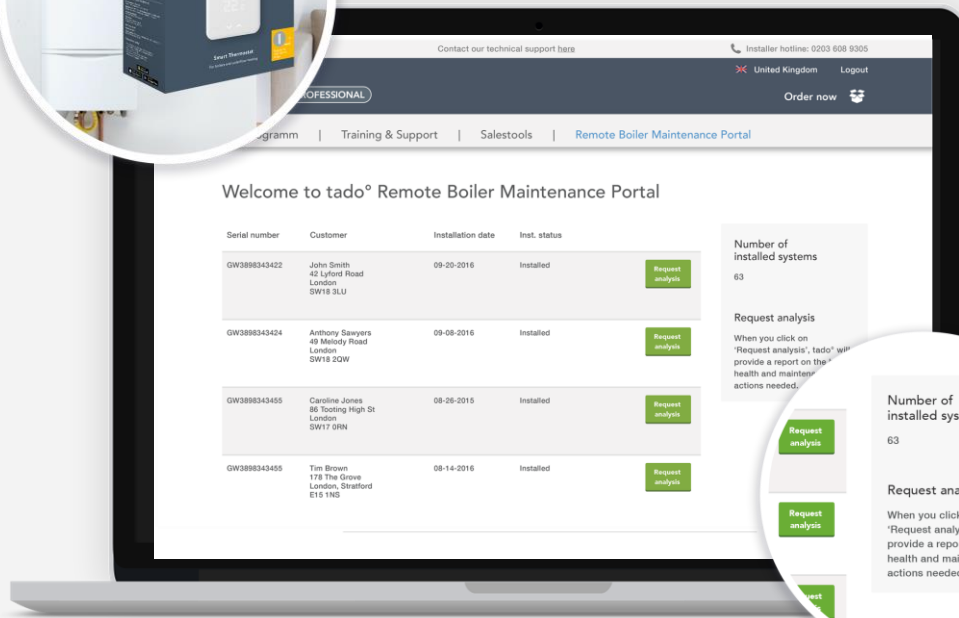
Smart Heating

tado° Installer portal

Monitor all of your customers' systems
in one tool

- Room Temperature
- Boiler Output Temperature
- Hot Water temperature
- Burner activity
- Weather Conditions
- Boiler fault codes
- Pump State information

Connected tado° Smart
Thermostat



Overview of all
customers

Request analysis

Products

Competitor comparison

Smart Radiator Thermostats UK / Europe

	tado°	Honeywell Evohome	Energenie Mihome	Netatmo (not on market yet)
Geolocation control to automatically adjust the temperature	✓	✗	✓	✗
Inclusion of Local Weather Forecast	✓	✗	Limited, via IFTTT	✗
Incorporation of Building Characteristics	✓	✓	✗	✗
Orchestration with boiler	✓	Limited	✗	Limited
Combination with underfloor heating	✓	✓	✗	Limited
Smartphone compatibility	Android iOS Windows	Android iOS	Android iOS	Android iOS Windows
Platform integrations	Apple HomeKit Amazon Alexa IFTTT	Amazon Alexa	IFTTT	Apple HomeKit IFTTT Amazon Alexa
Preis (2 radiator thermostats + Internet connection device)	£179	£204	£150	-
Additional radiator thermostat	£59	£59,99	£47.99	-

Smart Thermostats UK / Europe

	tado°	Nest	Hive	Netatmo	Heat Genius	Drayton miGenie	Honeywell Lyric T6	Momit	Toon (NL)	Anna (NL)
Geolocation algorithms to automatically control temperature	✓	Limited	Limited	✗	✗	✗	✓	Limited	✗	✓
Save energy due to weather forecasts	✓	✓	✓	✓	✓	✗	✗	✗	✓	✓
Save energy due to adaptation to building	✓	✗	✗	✓	✗	✗	✓	✗	✗	✗
Boiler breakdown prevention and installer partner offerings	✓	✗	✓	✗	✗	✗	✗	✗	✗	✗
Compatible with low voltage analogue and digital interfaces	✓	OpenTherm only	✗	✗	✗	✗	Opentherm & Relais	Relais	Opentherm & Relais	Opentherm & Relais
ErP Class (energy efficiency)	Up to Class 8	Up to Class 6	Class 4	Class 4	-	Class 4	Class 5	-	-	-
Smartphone compatibility	Android iOS Windows	Android iOS	Android iOS Windows	Android iOS Windows	Android iOS	Android iOS	Android iOS	Android iOS Windows Blackberry	Android iOS Windows	Android iOS
Heat Pump & Air Conditioning product	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗
Combination with smart radiator thermostats	✓	✗	✗	announced	✓	✗	✗	✗	✗	✗
Price in UK (incl. boiler receiver)	£278.00	£158.00	£199.00	£158.00	£249.00	£159.99	£155.00	£138.00	£275.00	£249.00
Platform Integration	Apple HomeKit Amazon Alexa IFTTT	Amazon Alexa IFTTT	Apple Homekit Amazon Alexa IFTTT	Apple HomeKit Amazon Alexa	-	-	Apple HomeKit Samsung Smartthings	-	-	Apple Homekit

FAQ

Frequently asked questions

FAQs

How does Geofencing work?

Usually your smartphone uses the documented wifis (this is what the “Google cars” do as well) and the position between cell towers in reach. GPS uses a lot of battery power and is only used exceptionally.

What happens when I open the window?

When a window is opened to air the room, this is detected by tado° and will pause the heating for an adjustable period of time.

Can I use the Smart Radiator Thermostats on their own or with a Smart Thermostat as a temperature sensor?

Yes. All you need is a starter kit for the Smart Radiator Thermostats containing an Internet Bridge.

Does tado° require everyone have a Smartphone?

No. For those without you can anytime set a schedule.

How long do the batteries last?

Typically 2 years

What happens when the Internet is down?

Naturally the devices will continue to function even without the Internet - this only affects control over the app.

How many users can I add?

Up to 25

Can I add more devices later?

Of course. You can then just add them in the app.



www.tado.com

Products

Technology

Heating Control

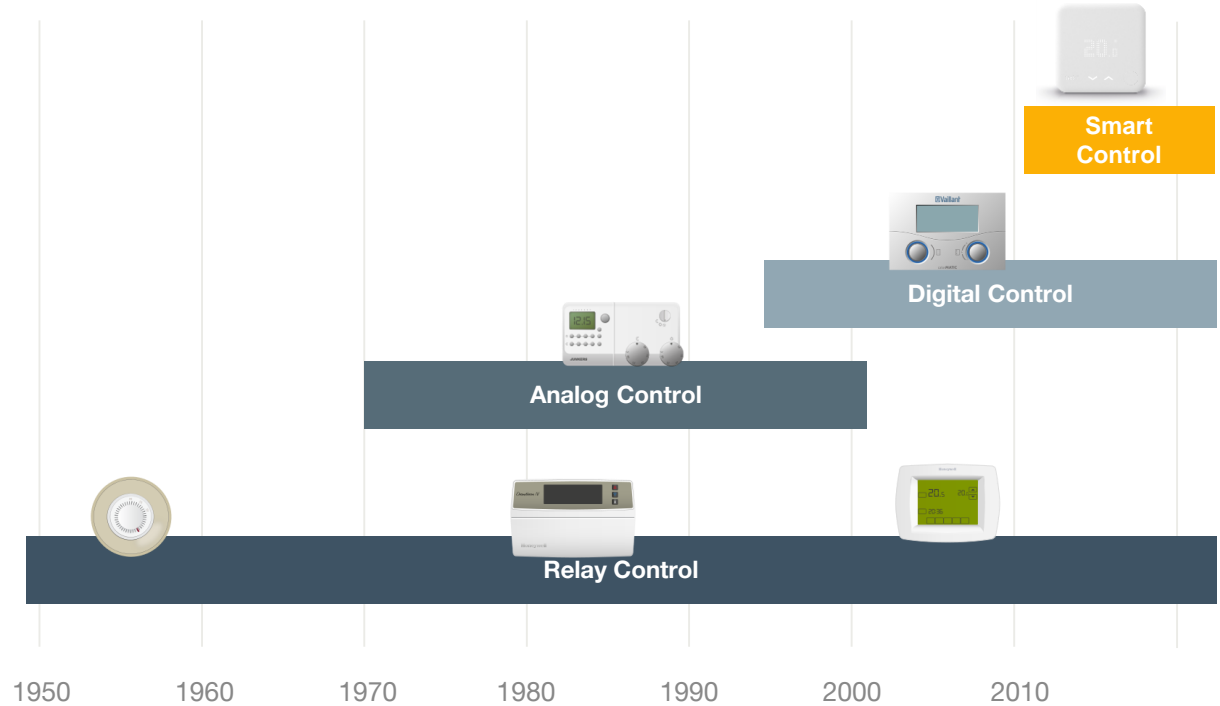
Evolution

Outdated Technology

Many heating systems are still controlled using on/off relay controllers.

tado° works with heating systems from the 1960s up until the latest models

While many smart thermostats only support relay controlled systems, tado° also works with analogue and digital interfaces, enhancing these with smart algorithms to get the most out of system from as far back as the 60's.



Heating Control

Types

Relay

Relay-controlled heating systems are switched on or off depending on the heat demand.

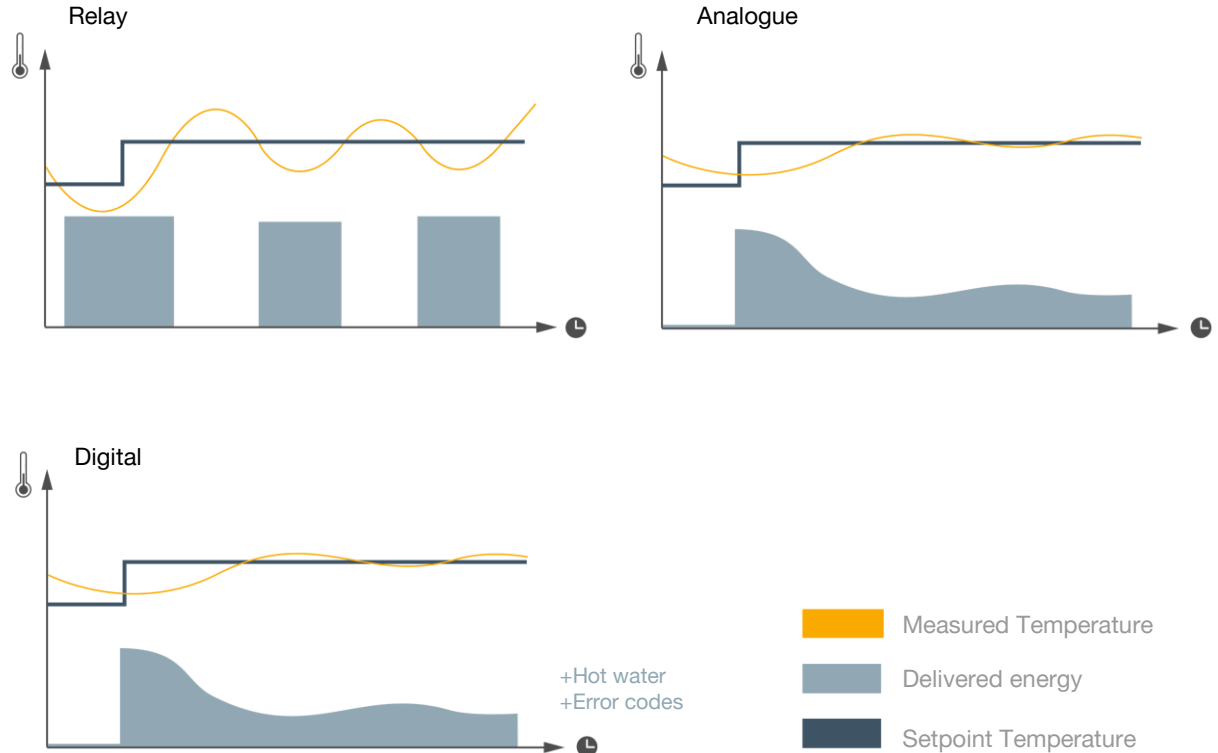
Analogue

Analogue control allows to modulate the heating power requested from the boiler, resulting in a more efficient operation of the system.

Digital

The highest efficiency and comfort is achieved with digital heating control. Not only does this allow modulating control of the flow temperature, but also control of the hot water using the same interface. In addition, the controller can read out data from the boiler such as fault codes.

Temperature / Time



Installation

Digital Boilers

tado° supports many digital BUS interfaces:

OpenTherm

Vaillant eBus

Bosch (Worcester) HT Bus

Viessmann KM Bus

Buderus EMS Bus

Siemens BS Bus

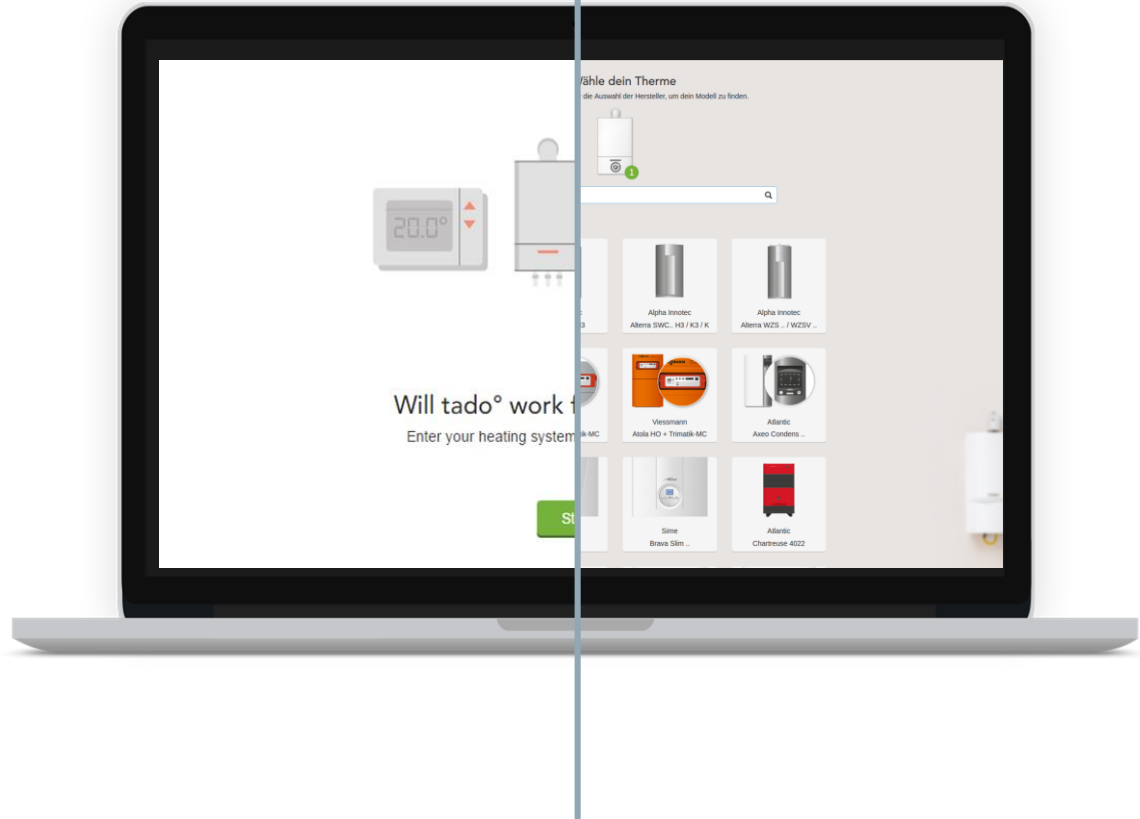
...



Installation

Compatibility

The **online compatibility tool** contains 14,000 heating system models from more than 600 manufacturers.



Installation

Installation steps and setups for installers

Installation

tado° Installation Process

tado° is installed in four easy steps. The installation starts and completes with a test of the system.

1. Check

Make sure boiler turns on and radiators get warm.

2. Connect

Connect all tado° devices to the heating system as well as the internet.

3. Configure

Configure tado° to function with the customer's heating system, digital or relay, with Extension Kit or without.

4. Test

Make sure tado° turns heating on and off.

Installation

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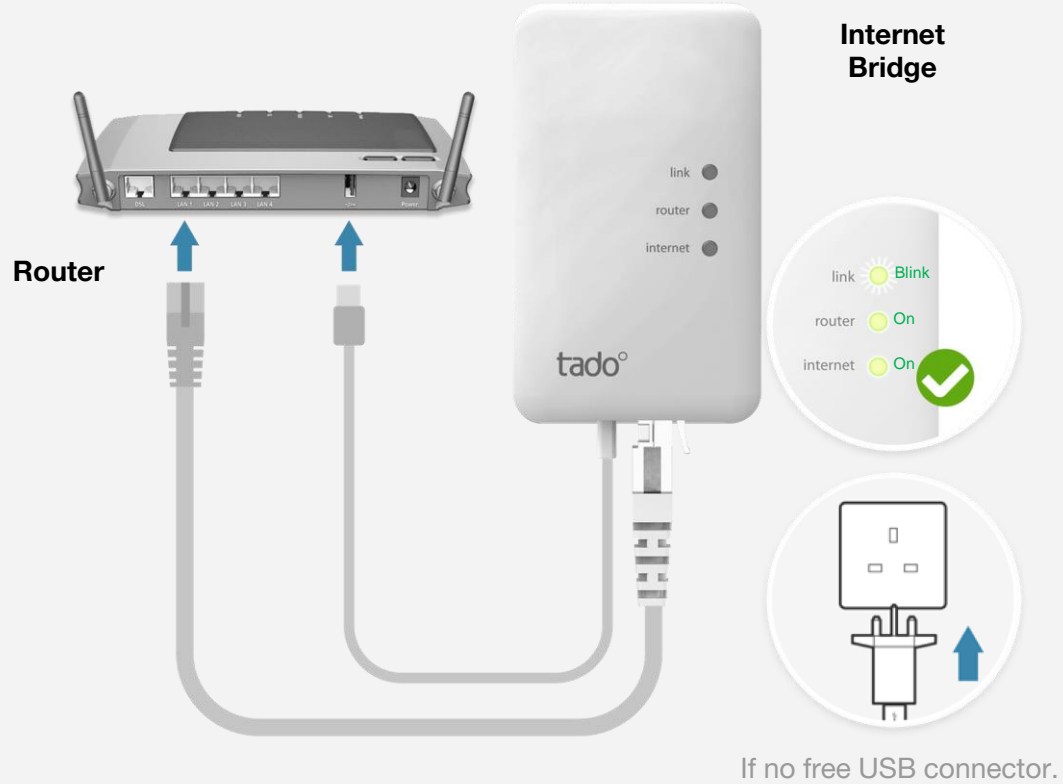
Make sure tado° turns heating on and off.

Installation

Internet Bridge Installation

Earlier Version

Connect Ethernet and USB cables.
Pairing is activated automatically
("Link" LED will blink).

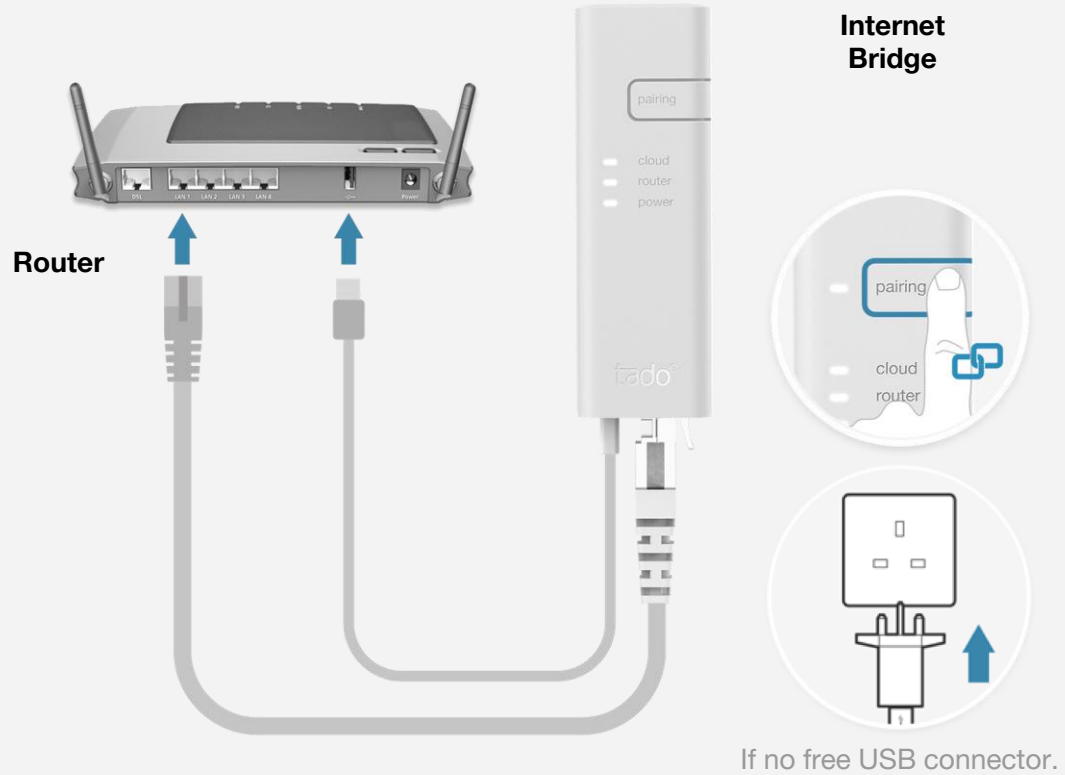


Installation

Internet Bridge Installation

Connect Ethernet and USB cable.

Press pairing button to activate pairing mode to allow other devices to connect to the Internet Bridge.

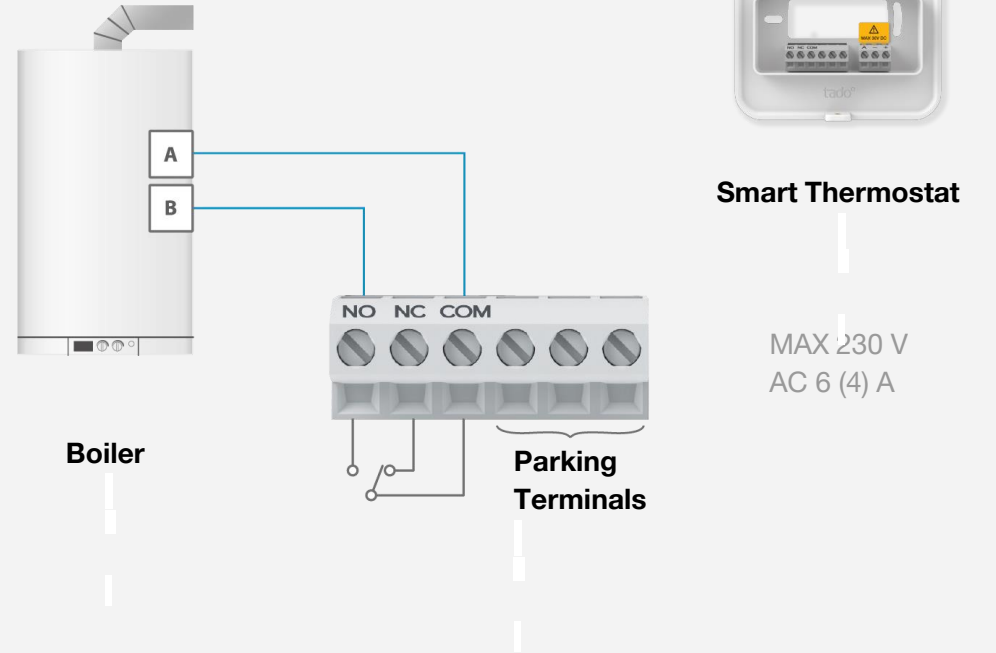


Installation

Wiring

Combi Boiler installations

The Smart Thermostat is wired as a potential free relay controller.

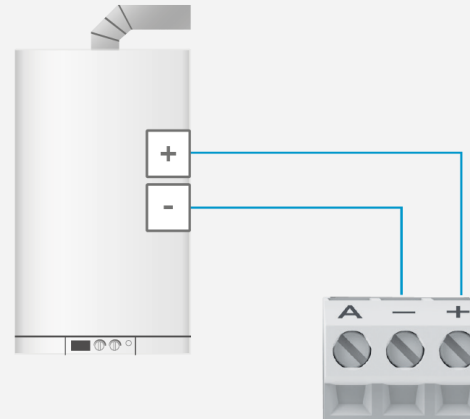


Installation

Wiring

Digital Combi Boiler Installations with a Wired Smart Thermostat

The boiler is wired to the low voltage
(30V max. and polarity protected)
connection on the Smart Thermostat.



Boiler



Smart Thermostat

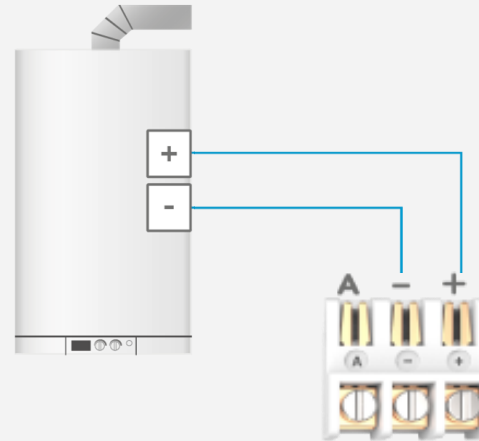
MAX 30 V

Installation

Wiring

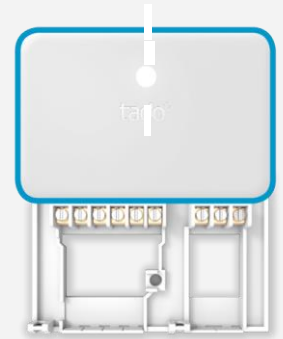
Digital Combi Boiler Installations with a Wireless Smart Thermostat

The boiler is wired to the low voltage (30V max. and polarity protected) connection on the Extension Kit.



Boiler

Extension Kit



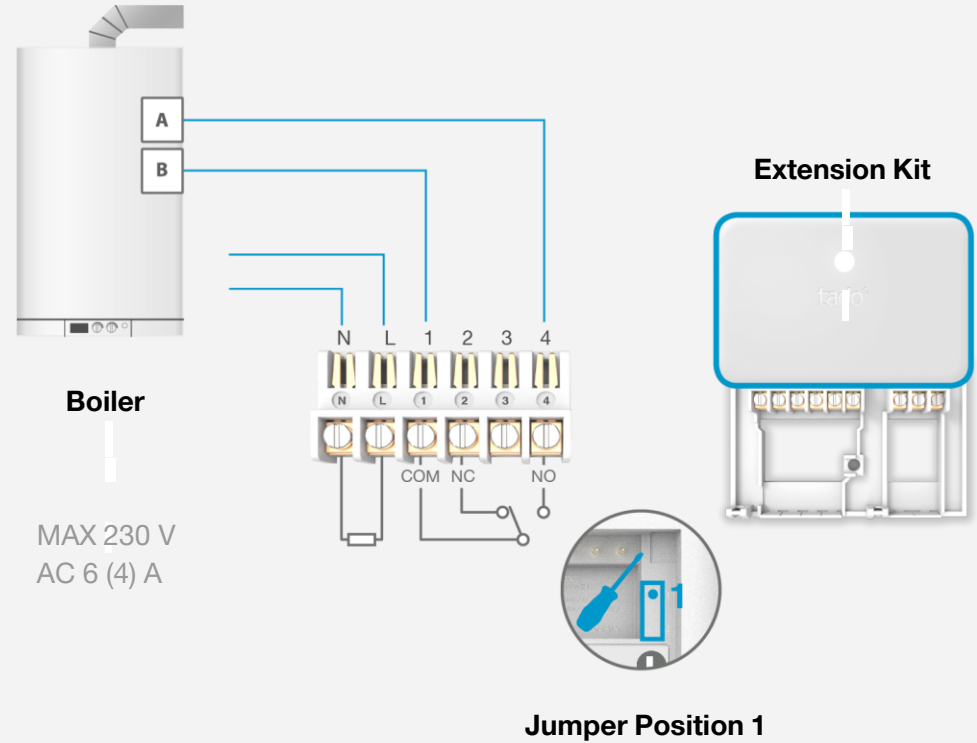
Installation

Wiring

Combi Boiler Installations with a Wireless Smart Thermostat

Wireless Relay Installation

The Extension Kit is wired directly to the boiler - for a potential-free system, the jumper is kept in position "1". The Smart Thermostat can then be used wirelessly.

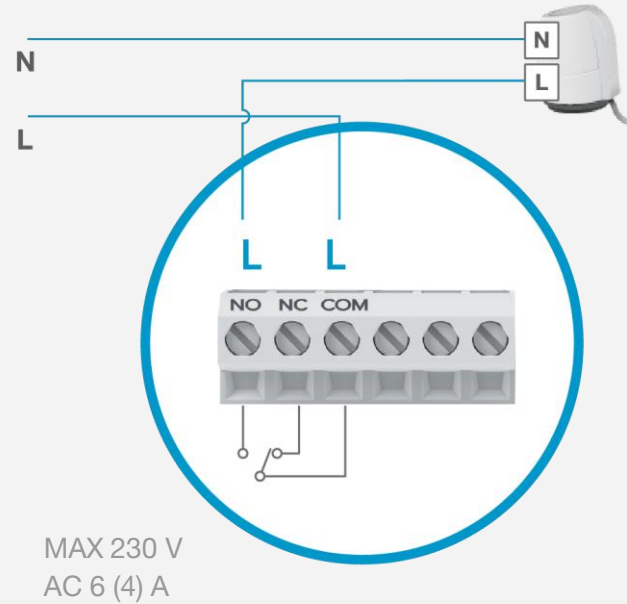


Installation

Wiring

Hydronic underfloor heating

The Smart Thermostat is wired to an underfloor heating valve which is in a closed state when not powered.



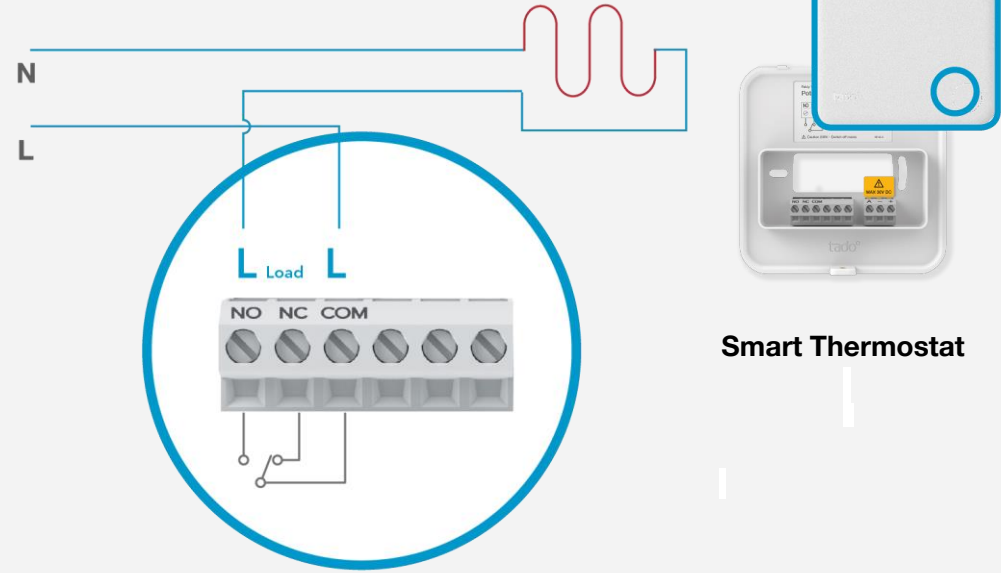
Smart Thermostat

Installation

Wiring

Electrical underfloor heating systems

In exceptional cases tado° can also be connected to electrical underfloor heating systems. Before installing, the switched current must be checked.



Smart Thermostat

Current must be measured to avoid permanent damage to devices.
Devices are rated for 6A.

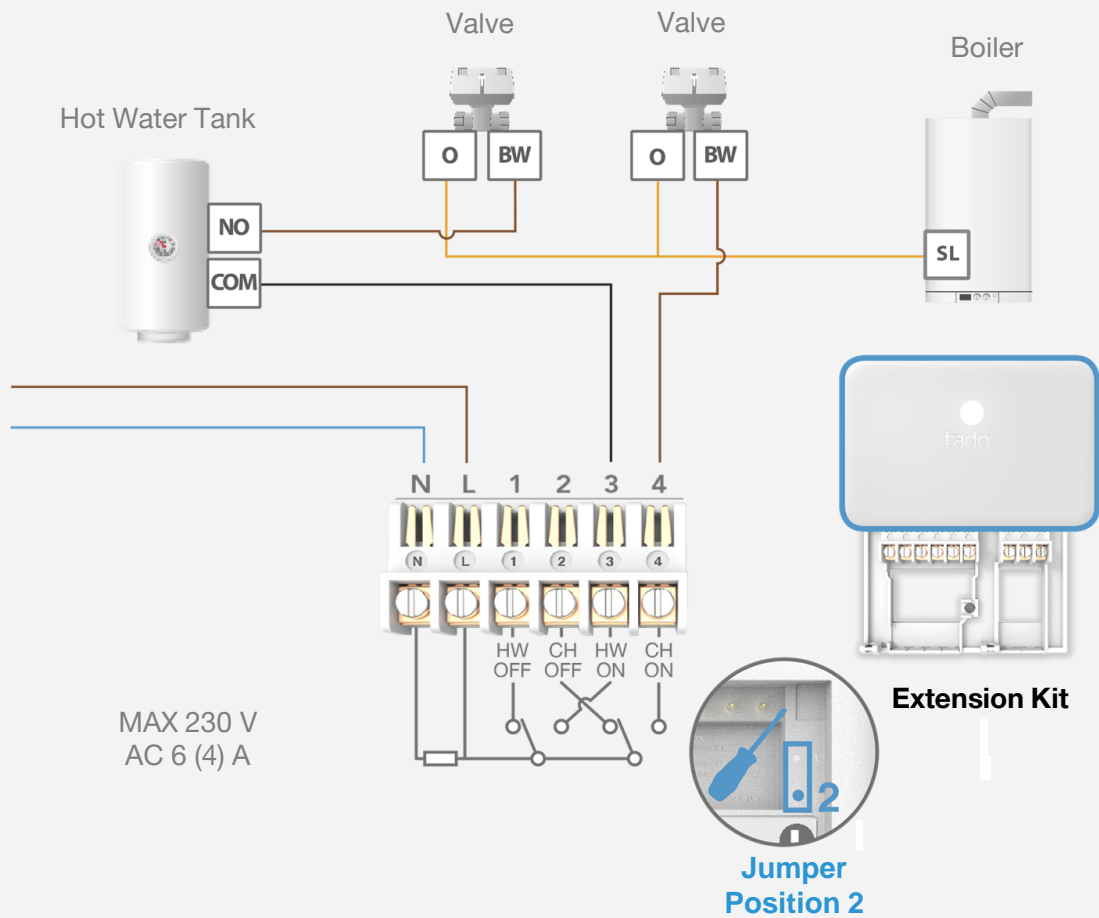
Installation

Wiring Extension Kit

S-Plan Setups (Switched Live)



Wireless Setup: Smart
Thermostat installed wirelessly
with receiver



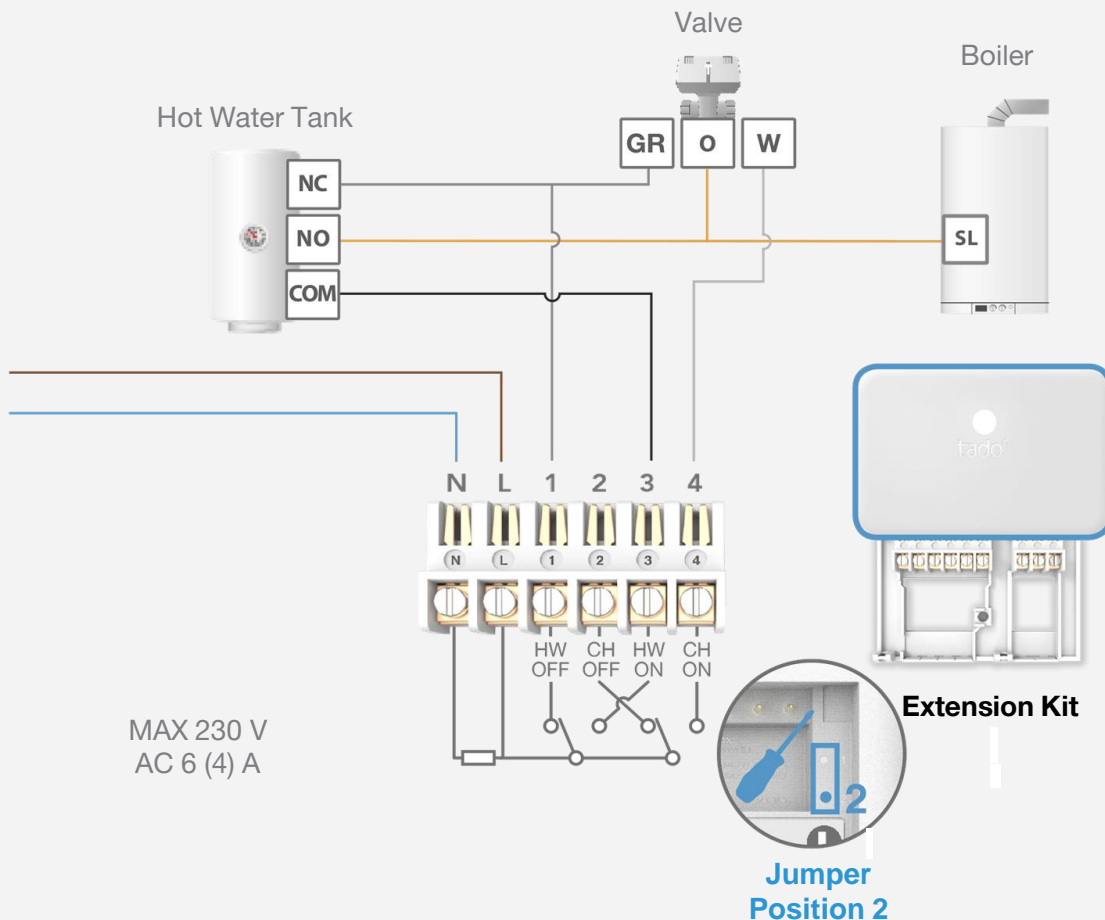
Installation

Wiring Extension Kit

Y-Plan Setups (Switched Live)

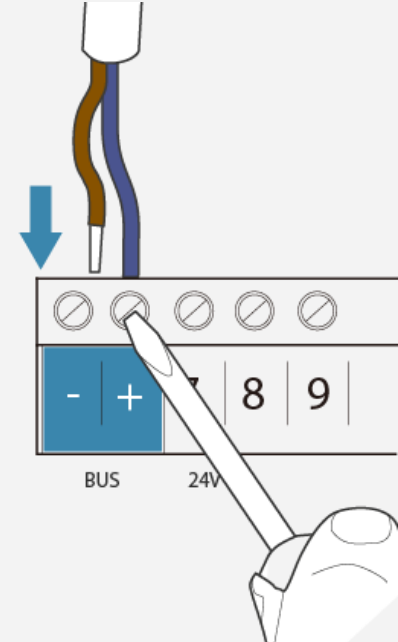
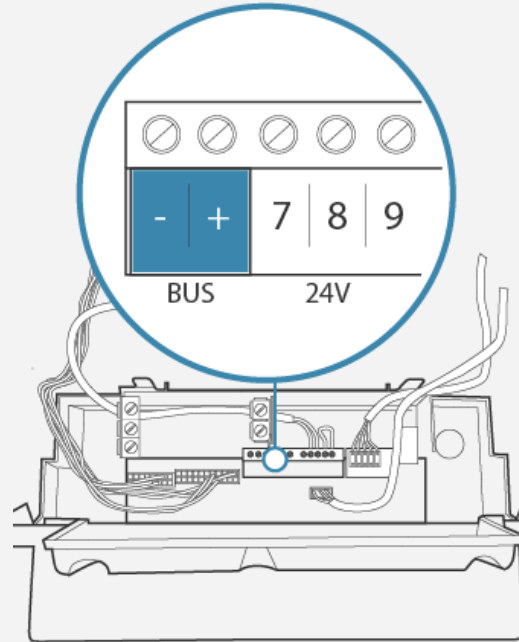


Wireless Setup: Smart
Thermostat installed wirelessly
with receiver



Installation

Vaillant eBus



All new Vaillant boilers sold in the UK have an eBus interface for room thermostat connection.

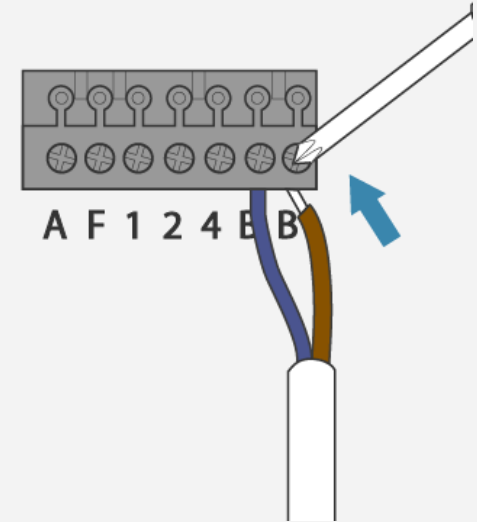
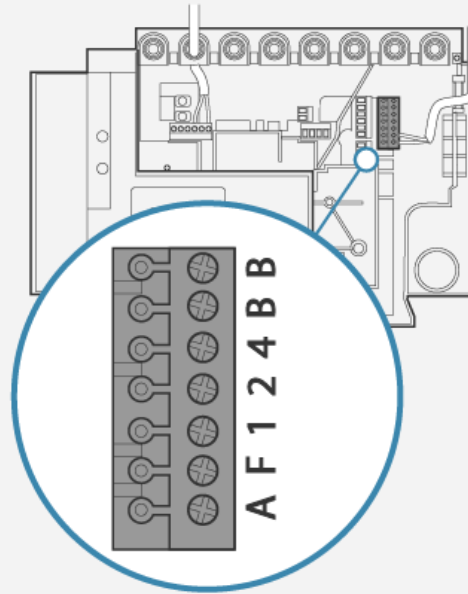


Installation

Worcester HT Bus



All new Worcester boilers sold in the UK come with a Heatronic board with a digital bus. The terminals are labeled either “BB” or “EMS”.

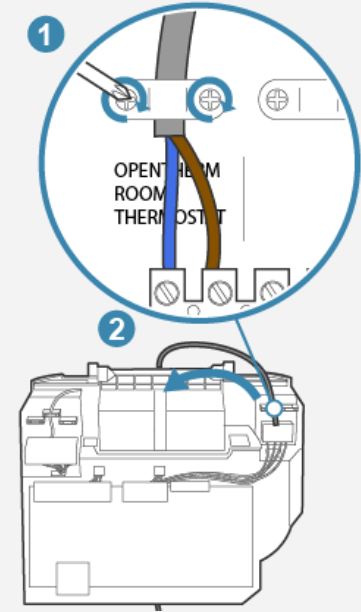
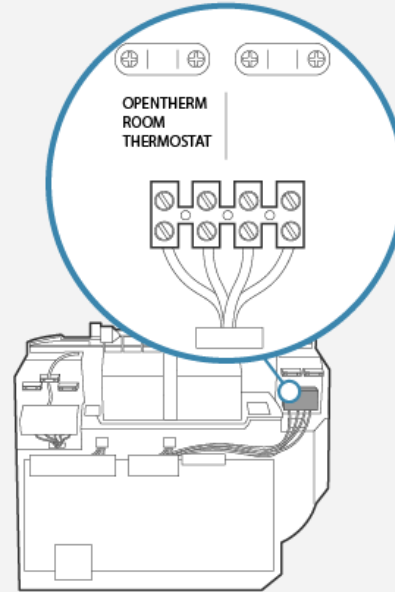


Installation

Ideal OpenTherm



Recent Logic and Vogue models from Ideal have an OpenTherm connection.



The Extension Kit requires a separate 230V power supply at N and L for **OpenTherm** installations.



Installation

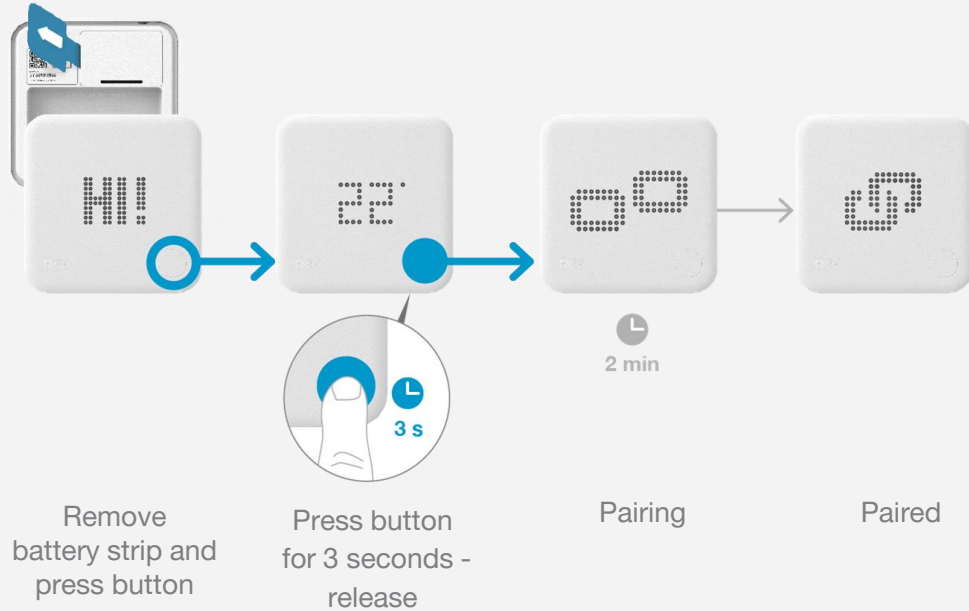
Activation and Pairing

Activation

Remove the battery strip and press the button.

Pairing

Press the button for 3 seconds until the pairing animation appears. Wait for the fixed rings which confirm successful pairing.



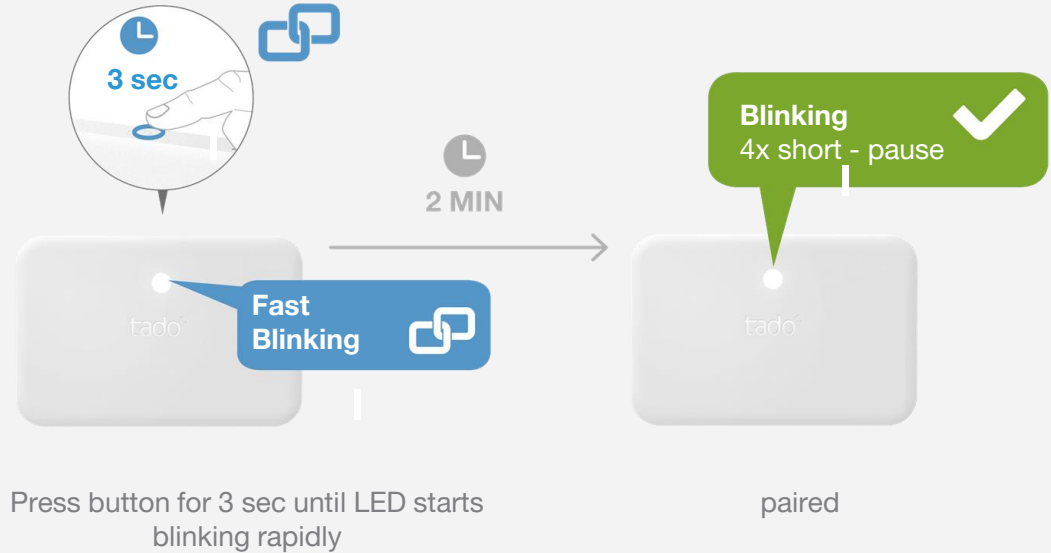
If failed:

Press the button to clear the error
Restart pairing and make sure that the distance
between the devices is at least 3m while pairing

Installation

Pairing

Press the button for 3 seconds until the pairing animation appears. Wait for the 4 short blinks which confirm successful pairing.



Blinking ✕
2x short - pause

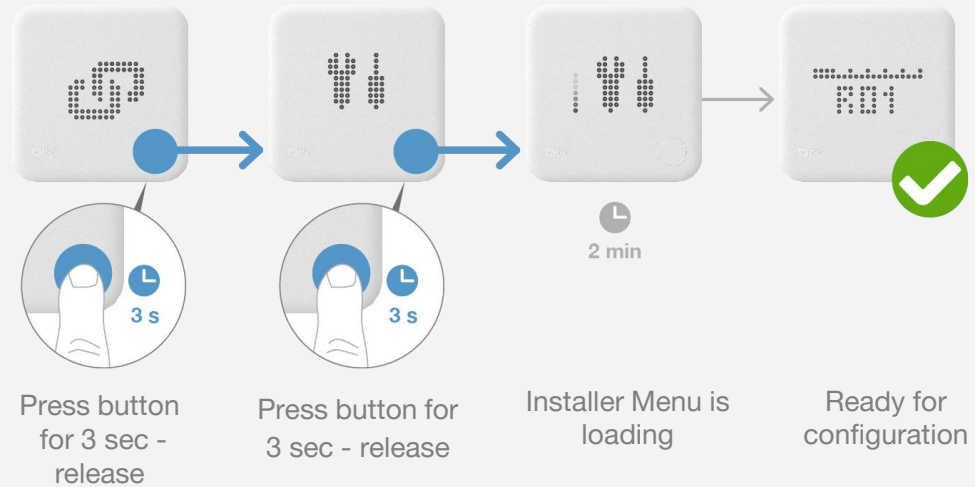
If failed

Restart pairing and make sure that the distance between the devices is at least 3 m while pairing

Installation

Open Installer Menu

Open the installer menu to configure tado° to the heating system, e.g. to select the corresponding interface and activate hot water control.



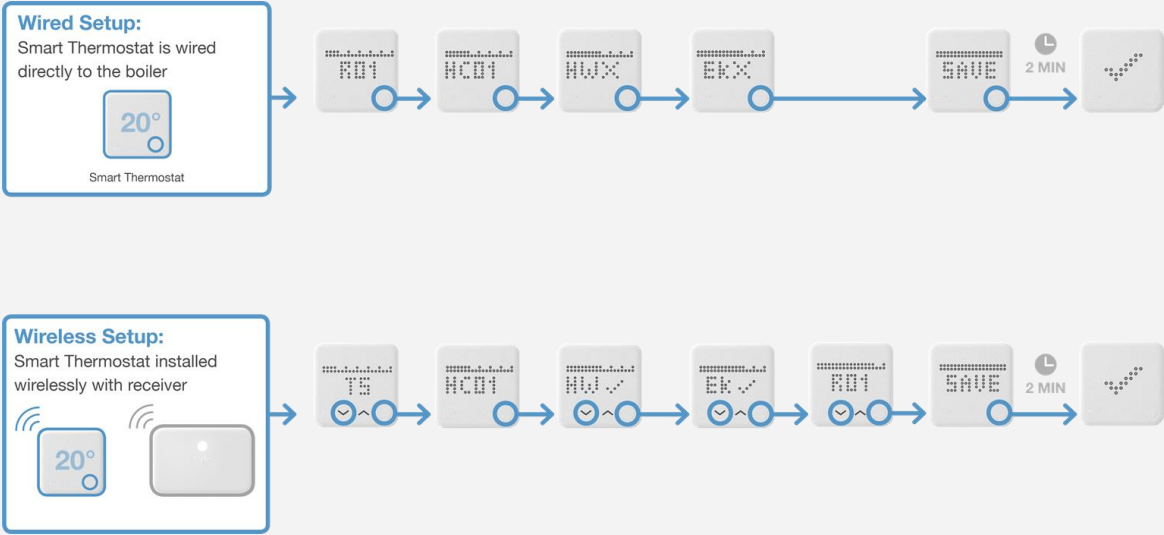
If failed:

Repeat entering the Installer Menu

Make sure that the distance between the devices is at least 3 m while loading the menu

Configuration

Please consult the **Guide for Professional Installers** for detailed instructions how to configure tado° for your specific installation.



Find the exact settings in your manual

Installation

Test the System

After installation a test of the heating system is essential. This includes testing the heating in both directions by increasing the desired temperature, waiting for a few minutes for the boiler to fire up and then decreasing the desired temperature and waiting for a few minutes for the boiler to stop firing.

The test has been successful when the boiler creates to the control command within 5 minutes. Please note that outside temperature controlled heating systems might take a bit longer to react.

Test 1



Increase
Setpoint Temperature

Test 2



Lower
Setpoint Temperature



Installation successfully completed:

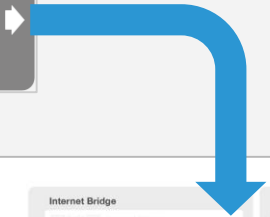
Hand the customer the Installation Information Card which contains the serial number needed to register on the website.

Installation

Customer Handover

Installation Completed

Hand the customer the **Installation Information Card** which contains the serial numbers needed to register on the website.



Welcome to tado°

Hello,

I have just installed your tado° devices. All that is left to do is to create an account at www.tado.com/start. You will find the registration information for all devices on the next pages.

Cheers,

Technical Assistant / Stamp

Need help? ☎ 020 351 448 81 tado.com/support

Installation date

5 Years Guarantee

On all tado° devices. Only valid together with the registration labels of the individual devices in this card.

Internet Bridge

Serial No. IB0123456789

Auth Code 5507

Extension Kit (if applicable)

Serial No. IB0123456789

Auth Code 5507

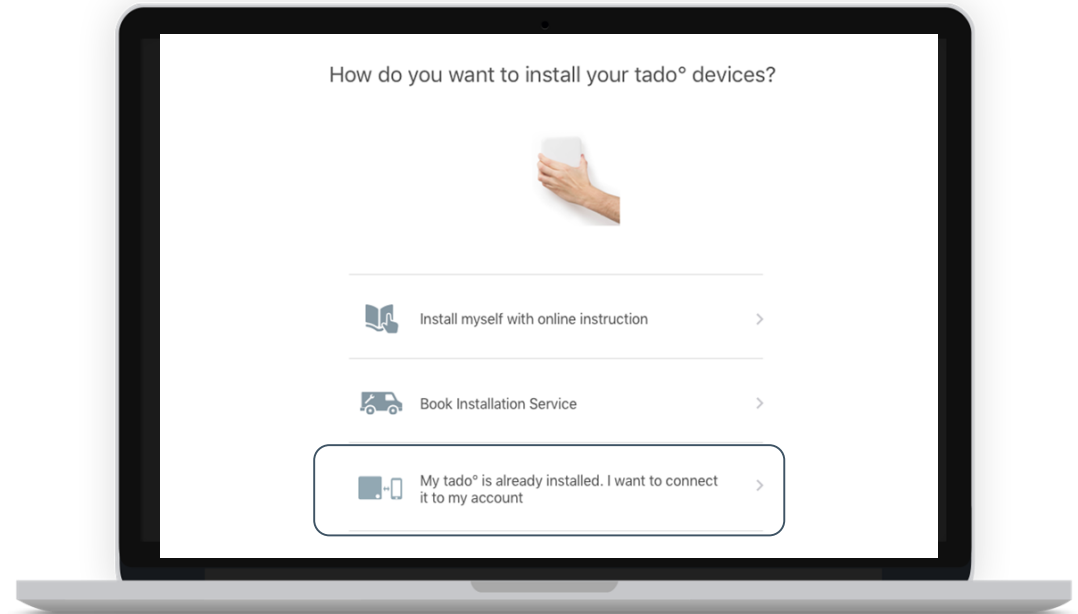
Smart Thermostat / Smart Radiator Thermostat

<p>1</p> <p>Location of device</p>	<p>2</p> <p>Location of device</p>
<p>3</p> <p>Location of device</p>	<p>4</p> <p>Location of device</p>
<p>5</p> <p>Location of device</p>	<p>6</p> <p>Location of device</p>

Installation

Adding Devices

Already installed devices can be used directly over the interface on the unit.



Installation

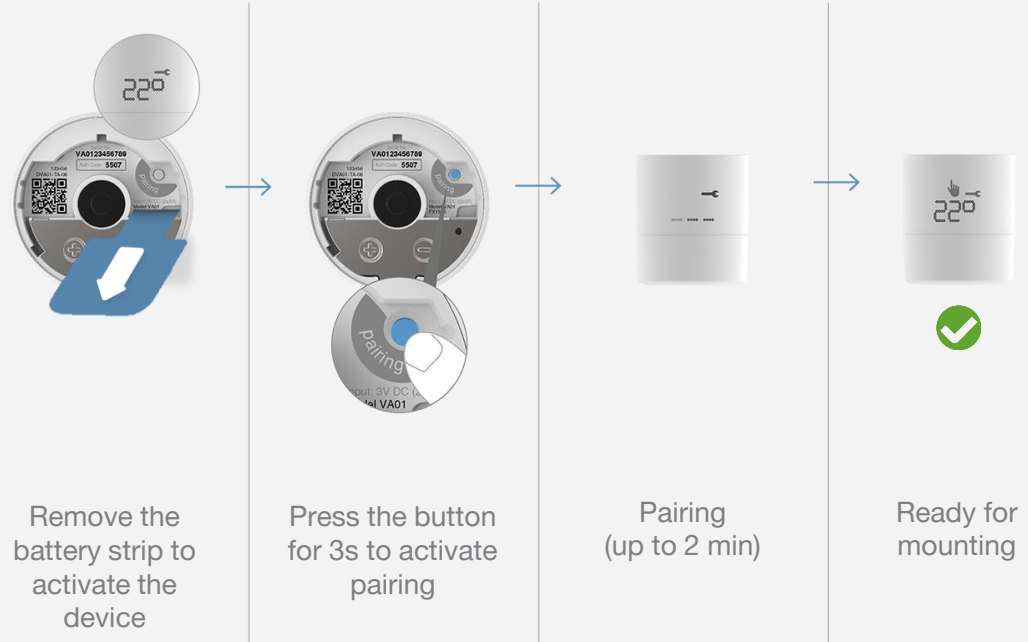
Activation and Pairing

Activation

Remove the battery strip.

Pairing

Press the button for 3 seconds until the pairing animation appears. Wait for the temperature reading which indicates successful pairing.



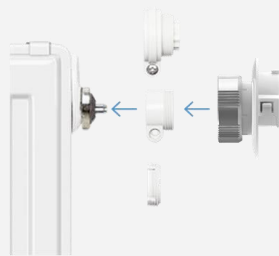
Pairing Error

Restart device by pressing button for 7s
Keep 3m distance between devices during pairing

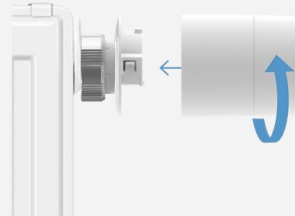
Installation

Mounting

When the old Thermostatic head is removed the mounting bracket can be attached to the valve. As soon as the Smart Radiator Thermostat is rotated into position on the bracket it will start to calibrate.



Attach the thermostat mounting bracket (an adapter may be required)



Mount the Smart Radiator Thermostat head



Calibrating (up to 1 min)

Calibration successful



Set display orientation



Calibration Errors

Remount thermostat head
Check adapter mounting

Installation

Hand over registration card

Hand the customer Installation Information Card which contains the serial numbers needed to register on the website.



Stick label into the Installation Information Card



Press pairing button to deactivate pairing mode



Installation successfully completed




1. Test the system
2. Hand over the Installation Information Card to the customer

Installation

Backup

Troubleshooting

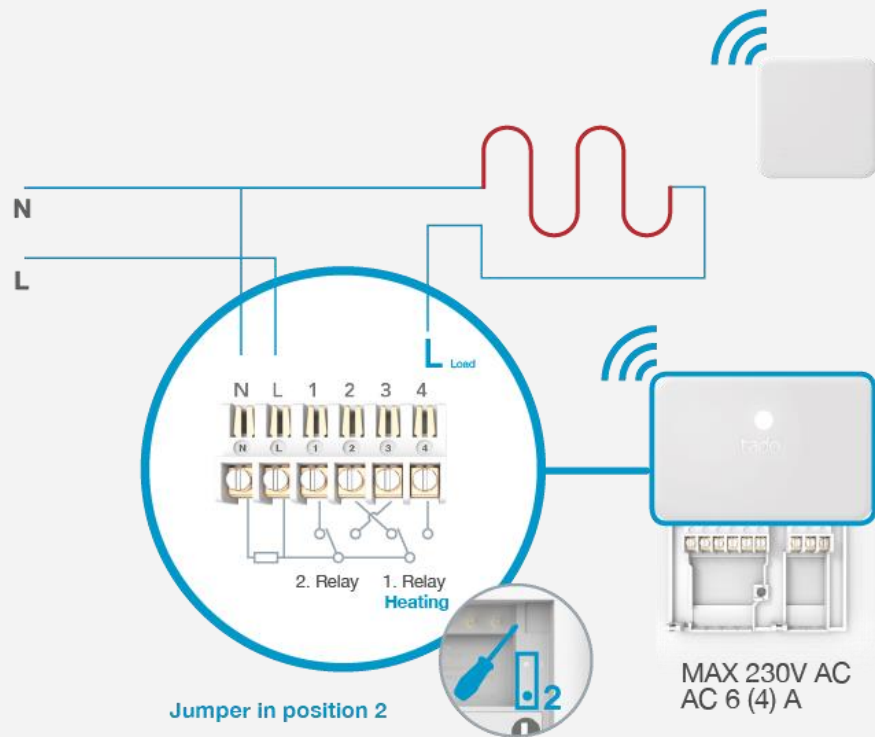
Errors and Warnings

Symbol	Meaning	Symbol	Meaning
	Low Battery The batteries are running low and need to be replaced		Depleted Battery The batteries are depleted and need to be replaced (changes on the device user interface are blocked)
	Firmware Download The device is updating to a new firmware version		Configuration Download The device is downloading its configuration
	Legionnaires' Disease Protection The boiler is currently firing to disinfect the hot water		Synchronizing There were changes on the device which have not been transmitted to other devices in the same zone yet
	Pairing Error Pairing has not been successful		Default Configuration Error The default configuration is active (relay control), but a voltage has been detected on the low voltage terminals

Wiring

Electrical Underfloor Heating Systems

Electrical underfloor heating systems can also be controlled with an Extension Kit. In this case, the Smart Thermostat is installed as a wireless thermostat



Current must be measured to avoid permanent damage to devices.
Devices are rated for 6A.

tado° Professional

Professional Installer

Products

Trim Plate

For a quick, clean installation without plastering or paintwork. Comes with every Smart Thermostat and works with the Extension Kit as well.





tado°

Smart AC Control



tado°

Smart AC Control



Introduction

Smart AC Control

We believe that **every home** should have an intelligent control for the cooling and heating. We can no longer afford to waste energy.

This vision has driven the development of our products **since 2011**. Our team in **Munich** is made up of enthusiastic engineers, software developers and designers.

Intelligent for us does not just mean to have a remote control on your phone, but to have a control that adapts based on the locations a home's residents: A control that works **automatically in the background** and is as easy to use as possible.



Benefits

Why tado°?

Nutzen

Ortsabhängige Steuerung

Während du dich deinem Zuhause näherst beginnt die Smart AC Control vorzukühlen so dass es angenehm kühl ist, wenn du nach Hause kommst.

Standort des Smartphones

Möglich wird das durch die App auf dem Smartphone der Benutzer, die auf den Standort des Telefons zugreift.

Automatisch "Away"

Wenn der letzte Bewohner das Haus verlassen hat werden die Away Einstellungen aktiviert: entweder schaltet tado° die Klimaanlage aus oder hält eine bestimmte Temperatur.



Benefits

Geofencing

While you are approaching your home, the tado° Smart AC Control starts pre-cooling so it's nice and cool when you arrive.

Phone's Location

This is possible because the tado° app uses your phone's location.

Automatic Away

When the last person has left the house the away settings are triggered: either tado° the AC is off or sets it to certain temperature.



Benefits

Why is tado° so great?



Geofencing

Uses your phone's location to automatically adjust the AC, cooling down before you get home and turning off when you are away.



Save energy

Save up to 40% on your AC's energy costs.



Control from anywhere

Turn the AC on and off or change the settings in the app from anywhere, at any time.



Insightful reports

Get instant access to reports showing temperature and cooling activity, as well as your expected savings.



Smart Schedule

Set personalized schedules with different temperatures at different times of the day to suit your needs.



Products

The app



Home

Away

Manual

Smart Schedule

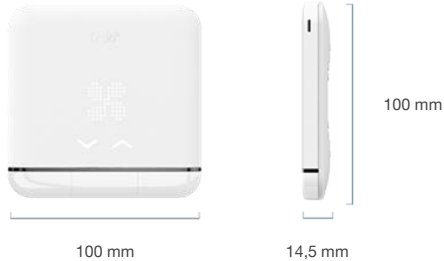
Report



Product

The device

On the front there is a easy to use touch display. On the back there is space to store the USB power cord.



LED touch display to show current information and settings

Infrared (IR) control signal emission window



Table Mount Cable Exit

Micro USB connector for power supply

Bereiche für Klebestreifen

Kabelaufbewahrung

Kabelausgang für Tischpositionierung

Product

Variable Position

The Smart AC Control can be placed on the wall using the double sided adhesive strips or placed on a surface, e.g. a shelf or table.



On a surface



On the wall

Product

Usage

The mobile app tells your devices how far you are away, shows you the temperature and humidity at home and lets you change all settings at any time – no matter where you are..



**Web access via
tado.com/login**

Zone Name

Current
tado° Mode

Current
Settings



Weather

Current Room
Temperature

Room's Relative Humidity

Residents' Relative
Locations

Product

Operation

You can check and change the current settings on the device.



LED Matrix Display

Shows current information and settings

Touch Front

To activate the display and change settings (arrows only appear if you can change a setting)

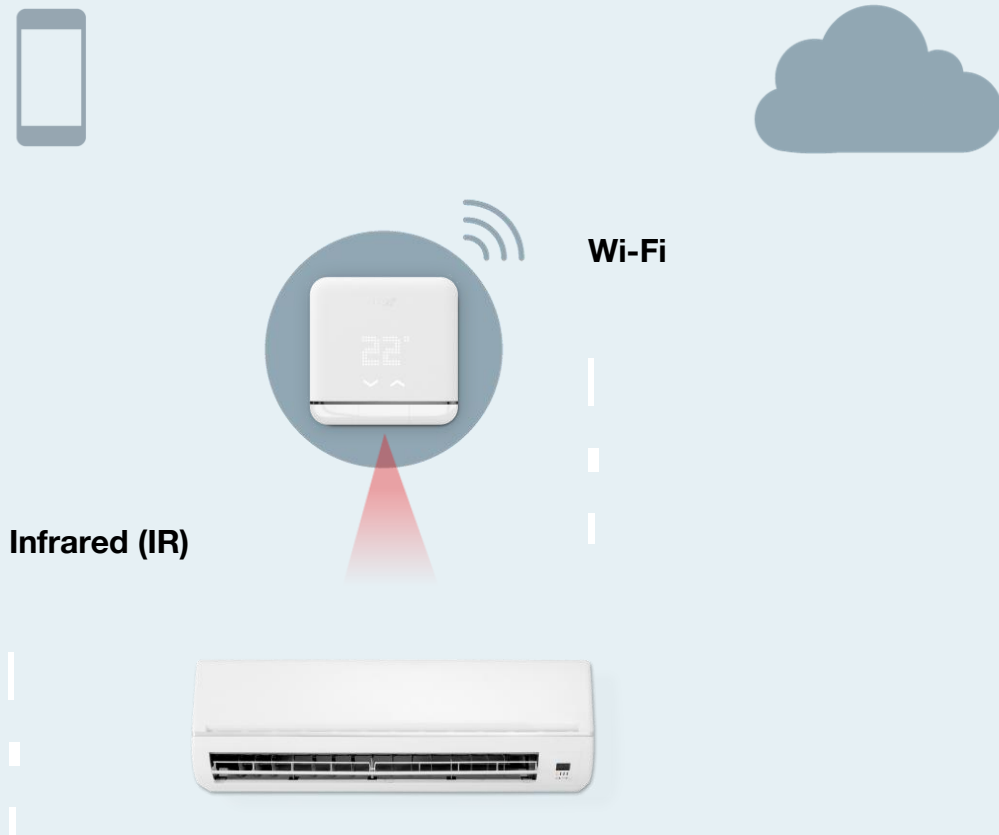
Infrared

The infrared (IR) signals are sent through the black windows in the housing

Product

Setup

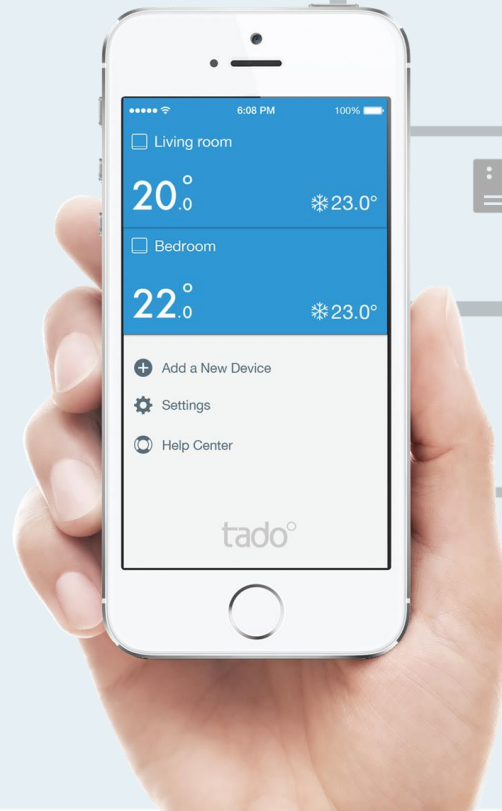
The Smart AC Control controls the AC via infrared signals and connects to your home Wi-Fi. It can be mounted on the wall or placed on a horizontal surface.



Product

Multiple Devices

You can use multiple Smart AC Control units in your home to independently control different zones comfortably from your smartphone.

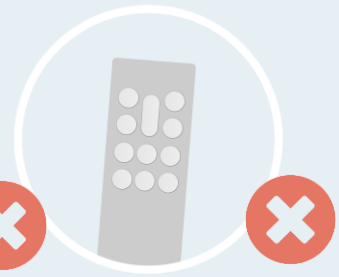


Product

Compatibility

For remote-controlled air conditioners

The Smart AC Control works with all air conditioners with a remote control that displays the air conditioner's current settings (for example mode, target temperature and fan speed).



SAMSUNG

TOSHIBA

Panasonic

DAIKIN

Honeywell

Pioneer

MITSUBISHI
ELECTRIC

SIEMENS

HITACHI

Haier

Carrier

GE

FUJITSU

FRIGIDAIRE

SANYO

Whirlpool

Product

Setup

When installing simply choose your air conditioner's brand. If the brand of your air conditioner is not in our database, tado° can easily learn the commands of your old AC remote control.



**Automatic setup
by choosing the
manufacturer**



**Teaching the
commands from
your old remote
control**

Smart Controls for ACs

	tado° Smrt AC Control	Momit Cool	Sensibo Sky
Dynamic location based temperature adaption	✓	Only on / off	Only on / off
Smart Schedule	✓	static	static
Weather forecast integration	✓	✓	✗
User interface on device	✓	✗	✗
One device setup	✓	Additional gateway needed	✓
Smartphone compatibility	Android iOS Windows	Android iOS	Android iOS
Languages	English, German, Dutch, Italian, French, Spanish,	English, Spanish	English
Platform Integration	Amazon Alexa IFTTT	-	Amazon Alexa IFTTT

Product

Architecture

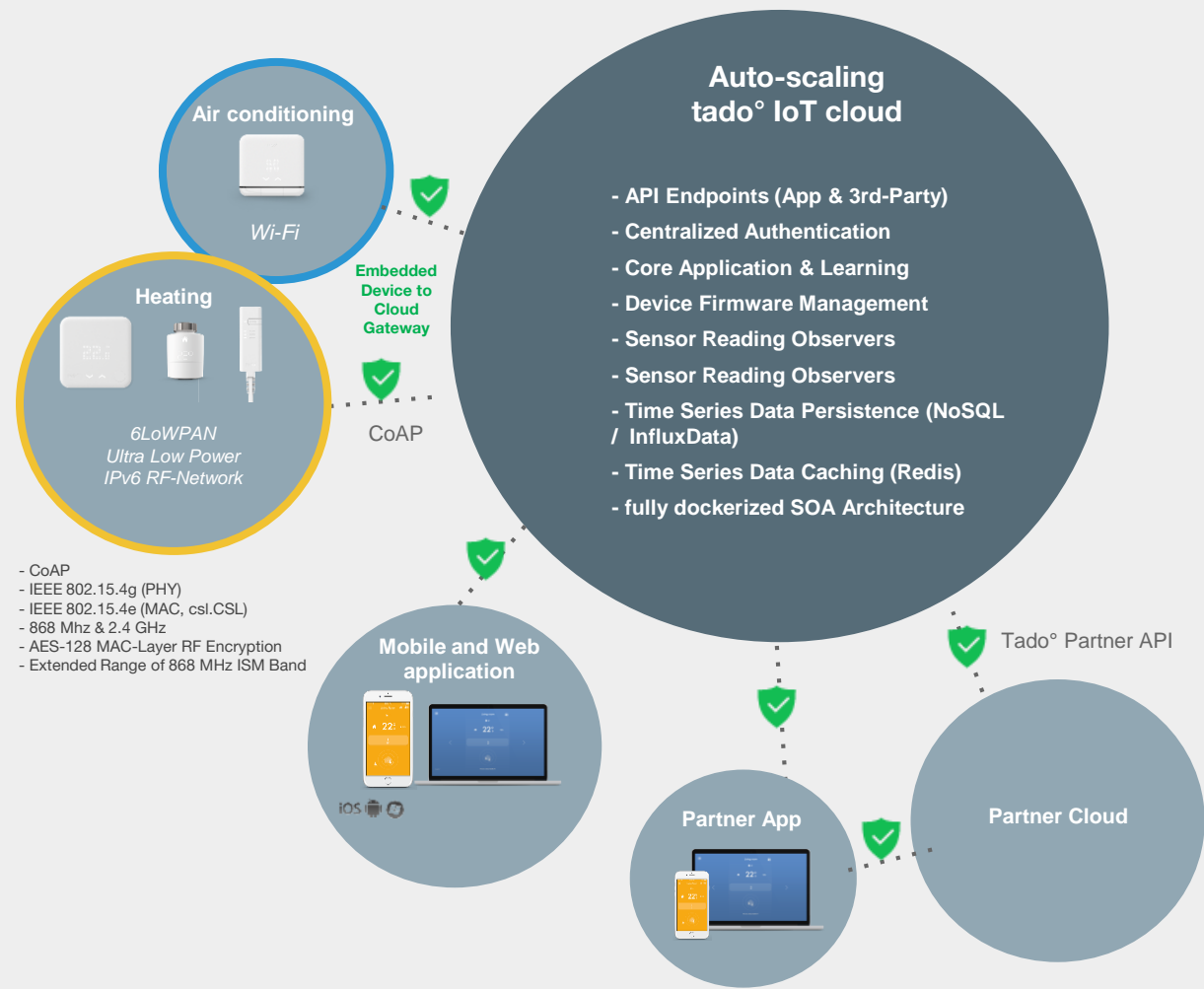
Product

Cutting-edge IoT platform

- Technological ownership of entire IoT platform from embedded to cloud infrastructure
- Scalable infrastructure capable of handling millions of simultaneous connected devices
- Online banking level encryption technology on all communication channels



TLS 1.2 (SSL) links to tado° cloud secured by 2048bit Extended Validation Certificate
Fail-Safe Remote update of all deployed embedded devices via dual partitions



Product

	Control API	Remote Monitoring API*
tado° functionalities provided via API		
Set tado° ON/OFF (per device/zone)	✓	
Set tado° to manual mode and select temperature (per device/zone)	✓	
Set tado° mode (automatic Home or Away based on tado° geolocation and schedule)	✓	
Change tado° set-point temperature (per device/zone)	✓	
tado° device orchestration on local level (valves & thermostats)	✓	
Remote boiler monitoring & diagnosis		✓
Preventative boiler maintenance		✓
New innovations		✓
tado° data provided via API		
Inside temperature from tado° sensors (per device/zone)	✓	
Set-point temperatures (per device/zone)	✓	
Solar radiation and weather conditions	✓	
Boiler data (error codes, water pressure, etc)		✓

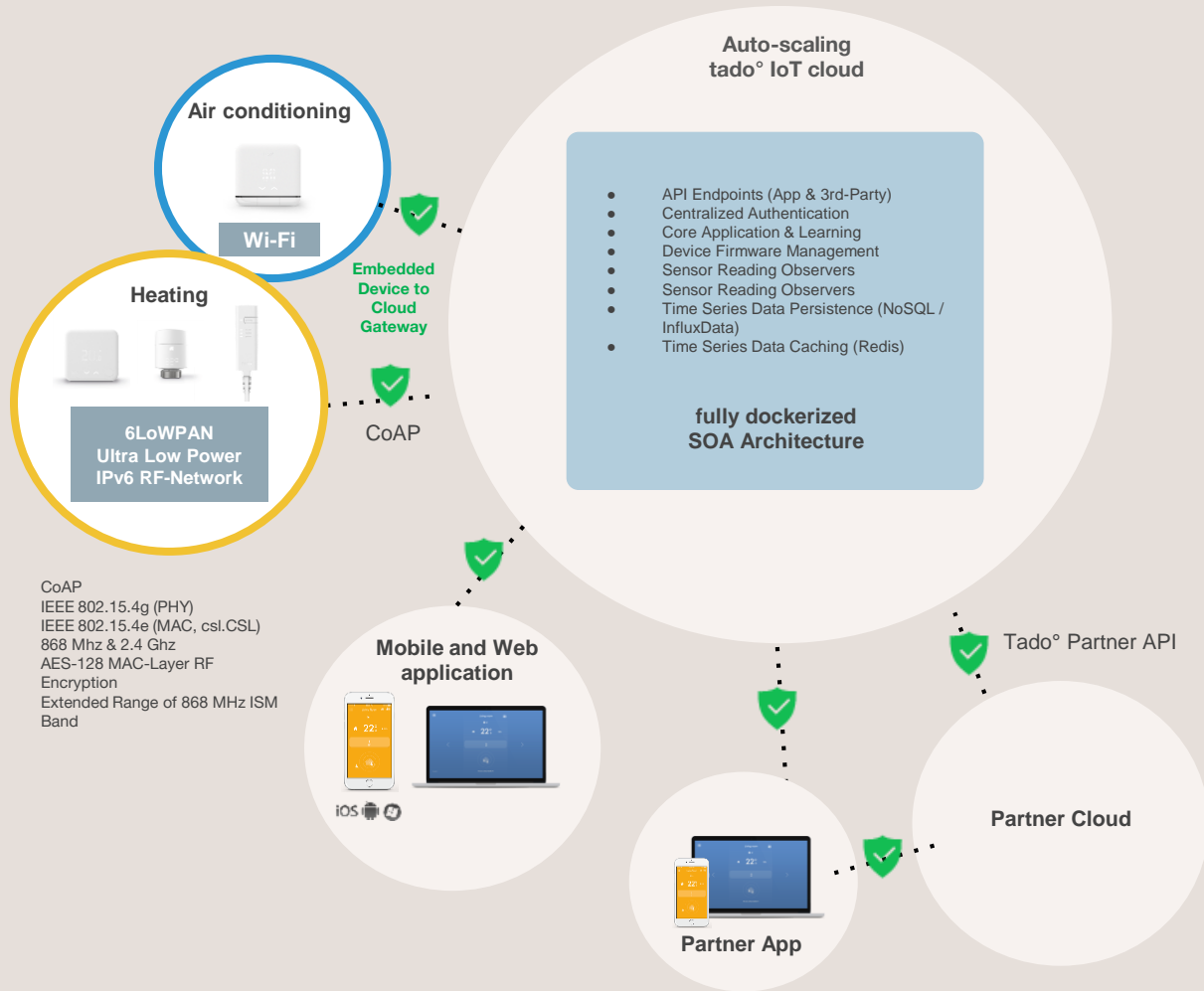
Product

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Product

General Partner API

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