

Smart thermostat guide 2017

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Just click
on a section
to view it

Contents

- Smart thermostats - what are they?
- What benefits do they offer over traditional thermostats?
- The key players:
tado° | Nest | Hive | Hive Active Heating 2
Cosy | Netatmo | Climote | Evohome
SALUS | Owl | miGenie
- Comparing the key players
- The SmartInstallers Club

Smart thermostats – what are they?



Control heating
remotely



Learn heating
habits



Interprets local weather
data and reacts
accordingly



Lets you know when
there are problems with
heating systems



Save money on
energy bills



Provide analysis into
energy usage



Use location technology
to pre-heat homes for
owners return



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Menu



Key players

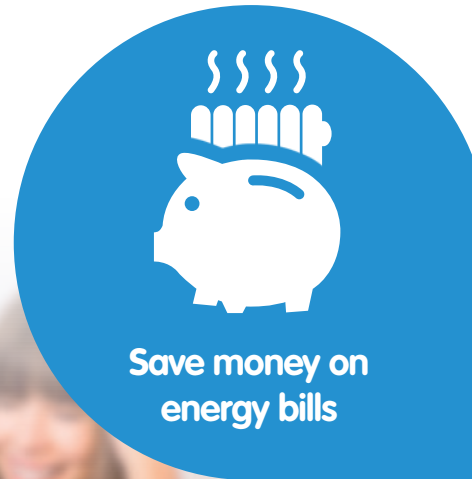


Back

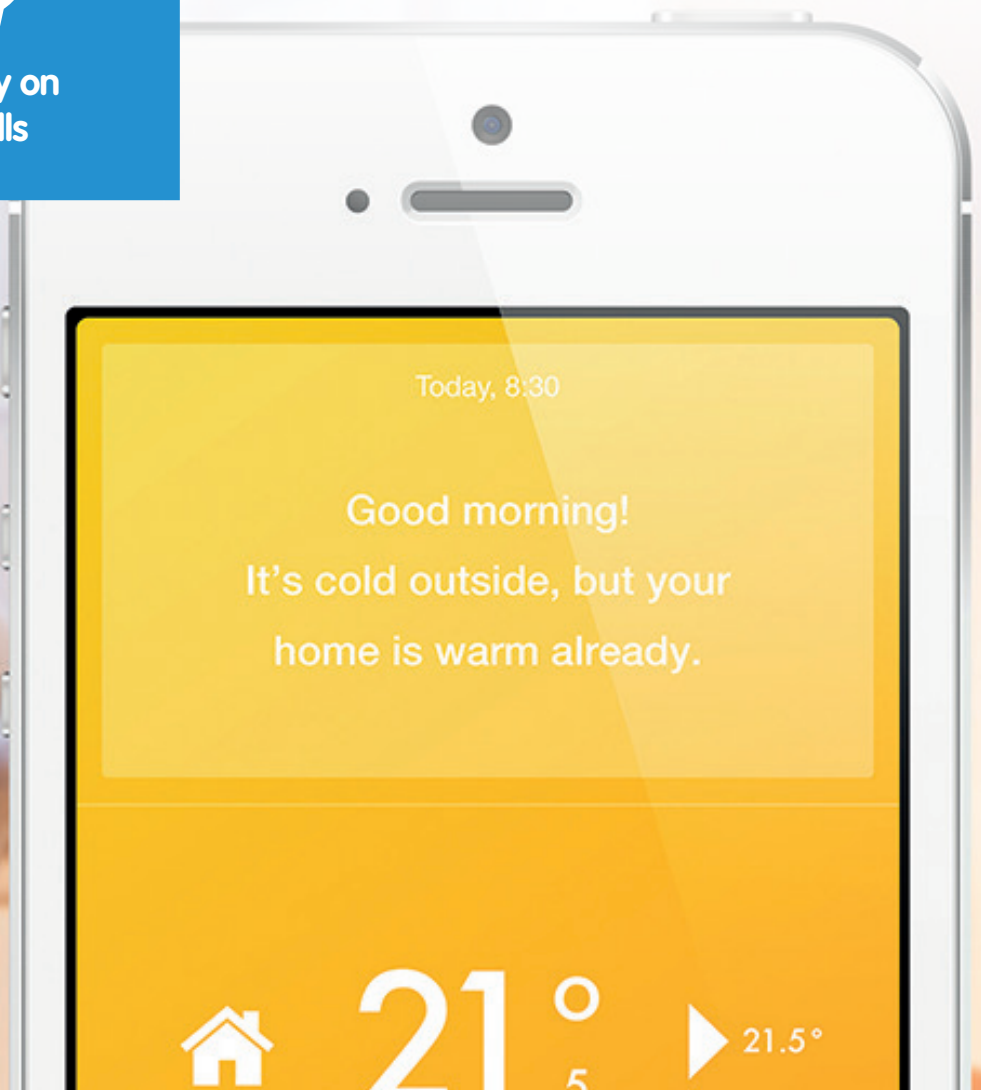


Next

- Easier to adapt to schedule changes – wi-fi connected means they can be changed remotely
- Bigger screens – no more squinting at a tiny LCD
- Daylight savings is automatically updated
- User friendly
- Review energy usage – with in-depth statistics
- Change the heating without getting up – using the connected apps
- Pre-heat your home – before you arrive!
- **SAVE MONEY!** – learning heating habits and analysing energy usage saves money on those increasing energy bills



What benefits do they offer over traditional thermostats?





tado°
Smart Thermostat

[Learn more >](#)



nest

[Learn more >](#)



hive
The original system

[Learn more >](#)



hive
Active Heating™ 2

[Learn more >](#)



Cosy

[Learn more >](#)



netatmo

[Learn more >](#)



climote™

[Learn more >](#)



Honeywell
evohome

[Learn more >](#)



SALUS
CONTROLS

[Learn more >](#)



ONL® intuition

[Learn more >](#)



miGenie®

[Learn more >](#)

tado°

Smart Thermostat

tado° can be defined as a **'truly smart' thermostat**, in that it offers significantly more than simply turning your heating on and off. It adjusts your homes temperature automatically, based on the external environmental conditions as well as your previous habits. It knows when the property is empty, leading it to lower the temperature, and then knows when people return, leading it to raise the temperature.

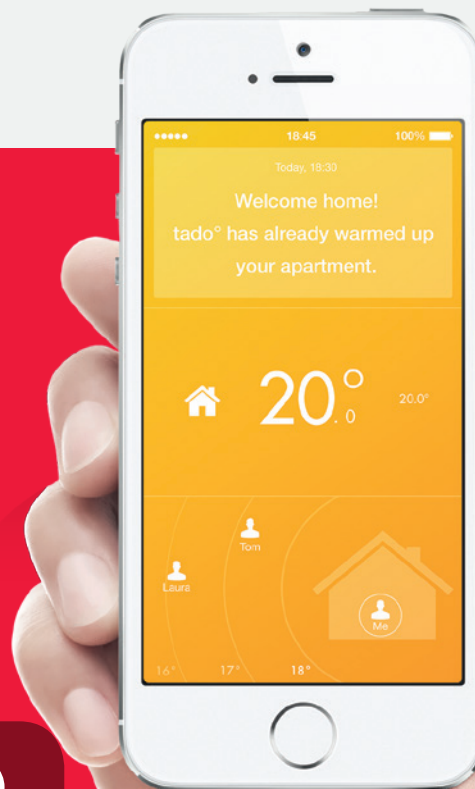
tado° claims to save
a family with 3 children
£240* a year on heating
bills due to increased
efficiency



Features:

- Location based heating via mobile app
- Hot water control (may require extension kit)
- Weather forecast integration
- Remote control via smartphone and web
- Temperature report
- Learning of home thermal characteristics for predictive control

*Research by Popucus (Nov 2014) and Analytics of tado° customer base





Nest, acquired by Google last year, has been called a **'learning thermostat'** – now on it's 3rd generation. It can intelligently optimise your heating system learning past behaviour. For example if you regularly turned your heating down when you left for work, and then back up when you returned home, Nest would recognise this pattern and enact it automatically. It also contains a motion sensor to identify when a house is empty and therefore doesn't need heating.

**Works with Nest
– a partnership with
6,000+ devices that
interact with Nest
devices**

Features:

- Motion sensor for detecting when your home is empty
- Uses a single, optimised schedule created for the home
- Adjusts to your home and weather conditions
- Hot water control, with the ability to 'boost' hot water when demand is high via smartphone app
- Controlled remotely via smartphone, tablet or desktop
- Enhanced auto-schedule feature
- Connects with 6,000+ devices you use everyday
- 'Leaf' feature encourages energy efficiency
- Programmer, thermostat and frostat in one
- Motion activated display screen
- Provides energy usage reports



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Menu



Key players



Back



Next



Hive from British Gas is a wireless thermostat that connects to the web so that you can control your heating and hot water system from anywhere, over the internet. It does so by communicating with a hub which plugs into your broadband router and a receiver installed near your boiler. Using the Hive Active Heating app, you can set schedules for your heating and hot water, get feedback on your energy usage and learn how to save money.

Hive is more of a 'connected thermostat' and doesn't offer the learning capabilities of the tado° or Nest.



**British Gas says
customers could save
up to £150 a year by
using Hive**



Features:

- Control heating and hot water remotely from your phone, tablet and laptop
- Geo-location features alert you when you've gone out and left the heating on, but won't change it for you (like tado°)
- Automatic frost protection
- See a home's temperature history over time
- Temperature alerts by email when the home reaches a set temperature



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Menu



Key players



Back



Next

New features added:

- Entirely re-designed by entrepreneur Yves Béhar, of fuseproject
- Heating boost function for up to 6 hours
- More heating and hot water schedule flexibility
- A holiday mode setting
- Multi zone capability (coming in the Autumn of 2015)
- Ability to add home-colour co-ordinated 'surrounds' to match your home with popular Dulux colours



Alongside their first wireless thermostat, British Gas have now released the Hive Active Heating™ 2 product, promoting some new features such as a new 'innovative' design, a choice of colour provided by the Dulux range, a heating boost option and increased schedule flexibility.

Still on the 'connected thermostat scale' the new Hive Active Heating™ 2 unit also comes with a new Hive app that original Hive users will be able to download to access the new features too.



Multi zone will now be available with Hive Active Heating™ 2 in the Autumn



Features:

- Remote control via smartphones and tablets
- Offer smart plugs for electrical device control within the same app
- 4 heating modes
- Portable, flexible and mobile
- Controls heating based on the temperature of the room you're in
- Multi-user – allowing the whole family to take control
- Multi-fuel compatible

**Flexibility,
efficiency, comfort
and control**



Cosy is a smart home control system developed in Cambridge, UK by a company called Green Energy Options (GEO). Cosy is a portable wireless thermostat that simplifies heating controls. You and your family can control your home environment from the palm of your hand – whether you're in, out or away. Cosy was funded on Kickstarter and being developed by a UK company is likely to be an interest to UK consumers.

Cosy haven't claimed any energy savings as yet, but do claim "With Cosy your heating works around you and for you – giving you and your family flexibility, efficiency, comfort and control."

netatmo

BY
S+ARCK®

THERMOSTAT FOR SMARTPHONE
control your heating remotely

Netatmo claim the
thermostat saves up
to 25% of energy
consumption and reduces
carbon footprint for
a home*

Features:

- Control heating remotely
- Super simple installation claimed
- AutoAdapt® sets a program to reflect your habits
- Data graph displays past energy consumption
- Simple and elegant design – minimalist design by STARCK with interchangeable colour designs

*Source: ADEME 2012

Netatmo is a French company that has formerly been associated with a wireless weather station and a smart bracelet for regulating sun tans and avoiding burns, but has now entered the smart heating market.

The **Netatmo Thermostat for Smartphone by Starck** claims to be the perfect balance between functionality and design and it allows you to control and monitor your heating anytime and anywhere using an app.

The Netatmo thermostat aims to save you money and give you a more comfortable experience when it comes to heating.





climote™

Climote is billed as **“The digital version of the time-clock on your wall”**. So it essentially acts as a ‘connected’ way to remote control the timings of your heating and hot water from your mobile phone, via SMS and online using The Cloud service on the Climote website.

Climote is similar to British Gas’ Hive device in that it allows you to control your heating remotely, but doesn’t have the learning capabilities like the Nest or tado° products.



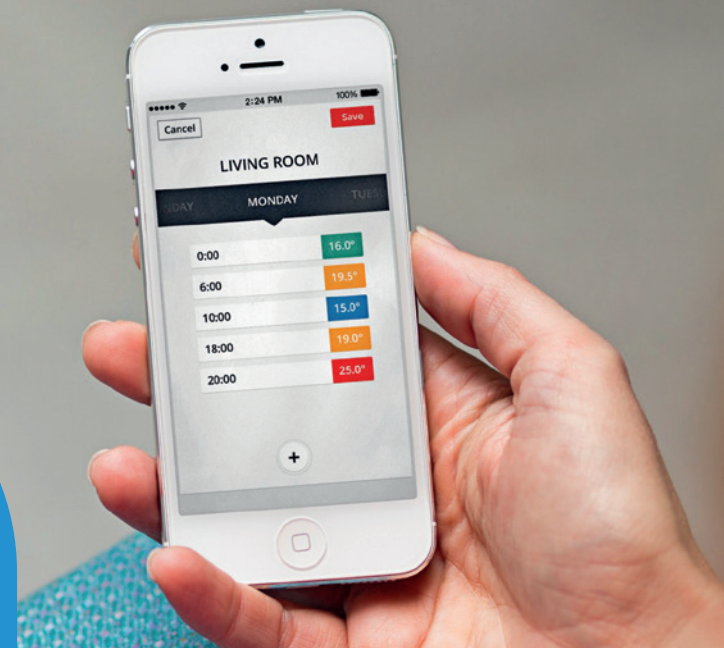
Features:

- Simple, 30 minute installation
- Digital, connected version of timer on the wall
- For heating and hot water
- Programme your Climote hub via The Cloud, the app or via SMS services
- Unique in using SMS to control the heating

**You can reset,
boost your heating
or even turn on your hot
water – from anywhere,
even by SMS**



Create and individually control up to 12 heating zones and hot water



Honeywell evohome

One of the most expensive solutions on the market, **Evohome is a wireless multi-zoning system** from well established heating products provider Honeywell. It allows you to create and individually control up to 12 heating zones and hot water. The zonal capabilities mean each room (zone) can be set to different temperatures depending on your preferences. As well as providing a new style 'thermostat and control' – Wireless Radiator Controllers provide an easy way of installing heating zones without draining down or disturbing pipes or décor. Remote access is provided via a tablet or smart phone.

Features:

- Create and individually control up to 12 heating zones and hot water
- Control via the colour touch screen or via the Honeywell Total Connect Comfort app
- Easily upgradable to add new zones
- Different colour programmable thermostats available



The **SALUS iT500 internet thermostat** is another 'connected device' that allows you to control your heating and hot water from anywhere on your smartphone or PC.

The internet thermostat is one of their newest product in a large range of heating components and controls. SALUS don't class the iT500 as a 'Smart' thermostat as it doesn't have the ability to learn your heating habits or have advanced functions such as geo-location, unlike the tado° device.

SALUS don't claim any energy saving figures, simply the ease of use and convenience of controlling your heating wirelessly.



**App available
for iOS and
Android**

Features:

- Access and control heating and hot water via the internet
- Compatible with a PC or smartphone
- Secure system and energy efficient
- Easy to install thermostat and wireless connectivity
- Optional two zone heating with the additional iT300 sensor (sold separately)
- 3 system configurations **1)** Central heating only **2)** Two central heating zone (remote sensor required for second zone – sold separately) **3)** Central heating + hot water



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Menu



Key players



Back



Next

Features:

- Control heating and hot water remotely from the OWL intuition app from your phone, tablet and laptop
- Copy patterns to different days
- Create holiday dates to ensure the system doesn't run whilst you're away
- Fine tune your system for maximum energy efficiency using the versatile graphing facility
- Multi-zone heating and hot water capabilities with up to 4 zones supported
- The OWL Intuition system has at it's heart the Network OWL Gateway unit. Allowing you to connect further OWL devices and sensors in the future for further home automation and monitoring



OWL intuition also has smart electricity monitors to extend the system with further wireless capabilities



OWL are a UK based company manufacturing wireless energy monitoring and control products.

Their smart heating controls are based around their **'OWL Intuition' cloud software platform** and are very much on the 'connected thermostat' scale rather than a truly smart thermostat. You are able to control all your heating schedules from within the Intuition app using an online calendar.

The dashboard shows current temperature, allows you to boost the system or put it in stand by, and of course see what is going on using the graphing facility. Allowing you to fine tune the system for maximum efficiency and therefore make very significant fuel savings.



miGenie makes installing smart tech really simple. Created by Drayton, who have been making heating controls for over 60 years, **it's a great combination of familiarity and innovation.** The industry standard backplate means you can upgrade controls in minutes; the pre-bound two-way wireless connection means units are ready to go straight out of the box; and the signal strength indicator ensures correct positioning first time. All that's left to do is plug the internet gateway into the home router and download the app.

Install in just
10 minutes



Features:

- Intuitive app controls heating and hot water from wherever you are
- Different pack options for different heating requirements
- Proven energy saving statistics
- If the Wi-Fi connection is down heating and hot water can still be adjusted via the controller



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Key players



Back



Next


											 Wish 1 Wish 2 Wish 3		
Using smartphone location to control heating automatically	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Schedule	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Save energy based on weather forecasts	✓	✓	✗	✗	✗	✗	✗	✓	✗	✗	✗	✗	✗
Saves energy by adapting to the home	✓	✓	✗	✗	✗	✓	✗	✓	✗	✗	✓	✓	✓
Compatible to analog low voltage and digital interfaces	✓	✓	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Hot water control	With extension kit	✓	✓	✓	✗	✗	✓	With hot water kit	✓	✓	1	2	4
Energy usage analysis	✓	✓	Limited	✓	TBA	✓	✗	✓	✗	✓	✓	✓	✓
Air conditioning product	✓	Not available in the UK	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗	✗
Smartphone compatibility	  	 	 	 	 	 	 	 	 	 			
Recommended retail price	£199	£199 (+ £50 installation)	£199 (includes installation)	£249 (includes installation)	TBA	£149	£299	£249 'Connected' base pack	£199	£259.95 (For heating and hot water product)	£149.99	£159.99	£219.99

SmartInstallers Club – why sell smart thermostats?


In a trial, 60% of customers who bought a new boiler installation also wanted a smart thermostat installed. The SmartInstallers Club gives you access to market leading technology, training to help you sell and support the products with hefty discounts and benefits.



Benefits to you as a business

- 40%** of consumers would buy a smart thermostat if it could save 25% off their energy bills
- 30%** of consumers believe that smart thermostats are the future for heating as they mean reduced energy bills
- 1st class support** - membership of the club backed by the UK's leading Home Emergency business
-  reducing energy bills for customers makes happy customers, **happy customers share** your story

Benefits to your customers

-  **Up to 25% savings** on household energy bills
-  **Simple to use** – smartphone ready and will learn customers' habits
-  **Remote control** – no need for customers to be home to control their heating
-  **Valuable insight** – into how they use their energy, even more opportunity for cost savings

Join
today!

SmartInstallers Club

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Register today at:

smartinstallers.co.uk

Or call us on:

0800 953 1626



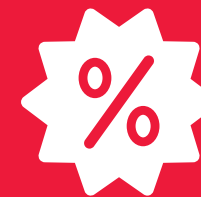
Increase your
sales



Smart thermostat
training



Save your customer
money



Fantastic member
discounts



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Menu



Key players



Back