

evohome WiFi controls



DT92 Digital Room Thermostat



Y87 Digital Room Thermostat



Digital room thermostats

Where there is a requirement to use a wireless room thermostat as a temperature sensor, both Honeywell's DT92 Digital Room Thermostat and the Y87 Single Zone Room Thermostat can be included into the **evohome** system.

Easy to set up with two way wireless communication (30m range) and a signal strength indicator. Simple to operate with up and down buttons (DT92) or by a turn of the Dial (Y87). Individual zone temperature override.

5 to 35°C set point range offers a wide range of comfort levels. The DT92 digital thermostat can be wall mounted or free standing to ensure best possible positioning. Y87 Single zone thermostat is wall mounted.

Wireless cylinder thermostat

Control domestic hot water via the **evohome** controller screen by installing an externally-mounted wireless cylinder thermostat onto the hot water cylinder; Sensors are provided for vented and unvented cylinders.

Honeywell's externally-mounted wireless cylinder thermostat is a combination of a temperature sensor that is mounted against the metal of the hot water cylinder and a wireless battery powered transceiver that communicates the water temperature to the evotouch controller.



Wireless relay

The remote relay is wired into either a motorised zone valve or the boiler and provides the wireless interface between these devices and the **evohome** system. The relay box requires a permanent 230V~ supply.



OpenTherm® Bridge

Allows the boiler to be modulated via this bridge between OpenTherm® capabilities built into the **evohome** controller and the OpenTherm® capable boiler. Only required when controlling an OpenTherm® capable boiler.



ErP energy efficiency ratings

The ErP energy efficiency ratings shown in this brochure will provide installers and end users with the information required to both complete the ErP energy label and assess the benefits of the heating controls to the overall heating system in the property. These ratings apply to room thermostats (including programmable thermostats).

For more information

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evohome WiFi MULTI-ZONE SYSTEM

evohome is a sophisticated heating system that ensures you can create and individually control up to 12 heating zones in domestic properties. **evohome** will also control domestic hot water.

evohome is suitable for any home with a hydronic (wet) central heating system. Zoning solutions can be designed for even the simplest of property layouts. **evohome** is ideal when looking to control temperatures in larger properties such as: luxury apartments; large family homes; homes with business use; multiple occupancy apartments and light commercial spaces such as doctors surgeries and small offices.

evohome allows the installation of multiple temperature sensing devices around the property without altering existing pipework, disrupting décor or damaging fixtures and fittings.

With touchscreen control, the user can quickly gain control of exactly where and when the property should be heated.

Remote access is provided via a tablet or smart phone.

Wireless Radiator Controllers provide an easy way of installing heating zones without draining down or disturbing pipes or décor.

evohome really is the brain of the heating system.

evohome WiFi controller

The multi-zone evohome controller controls the time and temperature of up to 12 heating zones plus a domestic hot water supply if required. Each zone has independent time and temperature control.



It has a backlit colour LCD screen. The unit can either be wall mounted with an external power supply or table mounted on the table stand. This is powered by a DC power supply plug. The **evohome** controller can be removed from the stand for easy programming for up to 2 hours before returning to the stand for charging.

The colour of the surround can be changed to either grey, graphite and black (using the accessory pack). A choice of idle screens, analogue or digital clock displays and a choice of day or night mode increases the aesthetic properties of the most visible part of the **evohome** system. When controlling the heating system the **evohome** controller has a number of features that make operation easy.

The **evohome** controller can act as a room thermostat on its own. Zone names can be input to match the actual property and the zones can be controlled as multi-room or as single-room zones. Zones can be configured to give individual local override of a room or rooms within the zone.

The programming in the unit is split between in-use and installation sections with a wide variety of control choices for the property owner. There is a guided scheduling wizard for the property owner to help them set up time and temperature profiles in each zone and a guided configuration facility for installers.

The screen will show energy efficiency messages to the homeowner as each zone's temperature will be colour coded to show potential over or under set point temperatures.

There are a number of quick actions available to make it easy to change the heating requirements for a short period.

- Day Off mode changes the schedule for all the zones to a pre-set day (i.e. change a week day to a weekend day)
- The Heating Off button will turn all the zones off unless the frost protection temperature level is reached

Inbuilt optimisation features allow the system to work more efficiently:

- 'Delayed Start' and 'Optimum Stop' allow evohome to intelligently optimise start and stop times
- A learning TPI algorithm ensures each zone adapts to the weather and the seasons

The **evohome** controller provides access for the installer to fully control the heating system. It is suitable for radiators, hydronic under floor and a mixture of both types of heating. Cycle rates, minimum on times and fail safe parameters can be set.

OpenTherm® capability is built-in to work with OpenTherm® boilers. Boilers can be controlled by either a boiler relay or an OpenTherm® bridge. This OpenTherm® Symbol functionality is suitable for BOTH heating and hot water. You can programme a temperature offset for the **evohome** controller screen when used as a temperature sensor in its own right.

Hot water cylinder overrun and temperature offset levels can be programmed as can the hot water temperature itself. You can carry out a wireless Radio Frequency (RF) check using the **evohome** controller screen. Wireless binding of the system components is carried out via the touchscreen and additional sensors can be easily bound in post application if the zoning requirements change.

Your **evohome** connects to the internet via built-in WiFi and will appear as a device on the home network – once it is on your network and you have registered your device with the Total Connect Comfort (TCC) website (full details in the user guide), the **evohome** controller is able to display external temperatures.

evohome WiFi controls

evohome consists of a number of quality components manufactured by the UK's leading manufacturer of home heating controls.

Radiator controllers

The radiator controllers use two-way communication with the **evohome** controller to ensure that commands are received and valves opened while maintaining boiler interlock.

Attractively designed

These slim, ergonomically-designed radiator controllers will fit on most standard TRV bodies. They are battery powered with a two-year battery life.



HR91 wireless radiator controller

This ergonomically designed radiator controller is ideal for light commercial applications and areas of high footfall and features:

- Battery power with a two-year battery life and a 'battery low' reminder (on the evohome controller screen)
- Zone identification via the **evohome** display
- Override temperatures can be set in half degree increments and are effective until the next scheduled temperature change
- Simple device check mechanism via tri-colour LEDs on the radiator controller, or via pop up alerts on the evohome controller or via mobile push notifications
- Child-lock mechanism on the controller with simple mounting lock
- Auto-window open detection function (controlled via the evohome controller)
- Anti-vandal protection shield (available as an accessory – product code AVS91)

Simple to install

Radiator controllers provide the optimum solution for installers when considering installing heating zones as there are no additional zone valves required which makes installation a lot quicker and cleaner. With existing TRV bodies already in place there is no need to drain down the system and they will fit on most compact radiators.

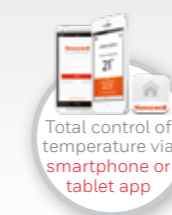
They are easily bound into the system using the guided configuration feature in the **evohome** controller; binding confirmation is displayed on the screen. Controllers are available either individually or as a pack of 4.



HR92 wireless radiator controller

The HR2 radiator controller has a backlit LCD screen that displays the zone name, and local set point temperature. The local set point temperature can easily be overridden by turning the dial at the top of the radiator controller.

- Frost protection setting or simple override to a predefined set-point (21°C).
- There is an open window feature that recognises sudden temperature drops and shuts off the local radiator.
- The zone temperature changes made at either the **evohome** controller's screen or via the remote app will change in real time on the radiator controller's screen on the radiator controller.
- On screen Zone identification
- Child-lock mechanism on the controller with simple mounting lock
- Auto-window open detection function



Smartphone or tablet app

The smartphone or tablet app that enables remote control of the **evohome** system is available for download from the iTunes Store and the Google Play Store.

Total Connect Comfort (Europe)

<https://getconnected.honeywell.com>

This is the web portal where you access the TCC login screen that is used to register the **evohome** device – it also has information on how to connect and register the **evohome** product (please make sure you are registering on the European version of this site and not the US version). You can also control the evohome via the web portal.