Honeywell Home

Evohome Zoning System

Application

The updated fourth generation of the evohome zoning system now with heating and cooling, advanced weather functionality, patented ON/OFF boiler control, direct heat pump control and integrated Wifi allowing connectivity with the Total Connect Comfort Smart phone App.

The evohome central controller can operate twelve independent time and temperature-controlled zones (rooms) plus stored hot water systems. Each zone has its own full seven-day program with a range of overrides and One touch actions to make using the system fast and convenient.

The controller is part of the evohome room control system and communicates wirelessly with the HR93 radiator controllers, sensors and actuators with the proven 868 MHz wireless secure RF technology. This allows the majority of heating systems to be upgraded with a minimum of disruption or re-wiring.

Evohome can be remotely controlled via Android and Apple smartphones or a browser on any pc and linked to other Smart Home functionality using third party systems via IFTTT, Google Assistant and Amazon Alexa. It will control system with radiators, under floor, stored hot water, electric zones or a mixture of heating and cooling types in a home or office environment.

Evohome provides the highest possible level of efficiency and intelligent control to apartments, family homes, Basic/ Combi/Opentherm boilers, gas/oil/electric/solid fuel boilers plus air or ground source heat pumps.

Approvals

- CE
- UKCA
- EMC 2014/30/EU
- LVD 2014/35/EU
- RED 2014/53/EU
- RoHS 2011/65/EU
- ErP Class VI, VII, and VIII

Special Features

- Evohome controller for individual zoning control a single or up to 12 zones and stored hot water per controller
- Heating & Cooling Control
- Heat pump control options
- Integrated smart outside temperature options



R3 Protocol

- Patented self-learning 'Fuzzy logic' temperature control that adapts to the heating system for more accurate and economic control
- Advanced load scaling, patented optimum boiler control feature runs On/Off boilers in the most efficient mode when demands are lower
- Exceed the highest possible European energy rating classification for heating system (ErP Class VIII)
- Fully customizable to suit individual heating and cooling systems and lifestyles
- Remote connectivity allowing Smartphone control away from home
- Intuitive 12 language operating menu structure and user guided programming
- Large colour backlit touch screen display with easy to read zone and temperature information
- Improved and simplified binding operation to reduce installation time and cost
- Proven wireless communication (no disruption of interior decor, ideally suitable for existing homes)
- Adaptive heating control continually adapts to climate and system heat load thought the year
- Optimization features calculates heat-up and cool-down time allowing programming of actual heating needs
- Informative home screen providing quick overview of system zones
- Enhanced appliance relay module with two relays
  - 2 SPDT Relay outputs
  - Opentherm appliance output

- Quick actions buttons supporting most often used system override functions: away mode, economy mode, day-off more and system off mode provided as standard
- A choice of programming methods including system guided programming wizard mode and intuitive timeline graphical display
- Compatible with wide range of accessories using our proprietary Ramses III secure wireless LAN technology

Technical Data

Specifications	
Dimensions:	136 x 93 x 20 mm
Operating temperature:	0 - 40 °C
IP class:	IP30
Display	
Touch-Screen-Display:	LCD colour graphic 96 x 56 mm display area 480 x 272 pixel, 24 bit colour
Electrical specifications	
Power supply:	5 V DC ± 0.2 V max 2.6 W
Battery:	2 x rechargeable battery Type AA 1.2 V NiMH 2000 mAh
Temperature Control Internal Sensor:	NTC (Negative Temperature Coefficient Thermistor) - operational range 0 to 35 °C
Radio	
Radio Communication:	ISM (868 - 870 MHz) Receiver Category 2
Wireless LAN:	IEEE 802.11 b,g,n (2.4 GHz)
RX Class 2 Range:	30 m within residential buildings

Transportation and Storage

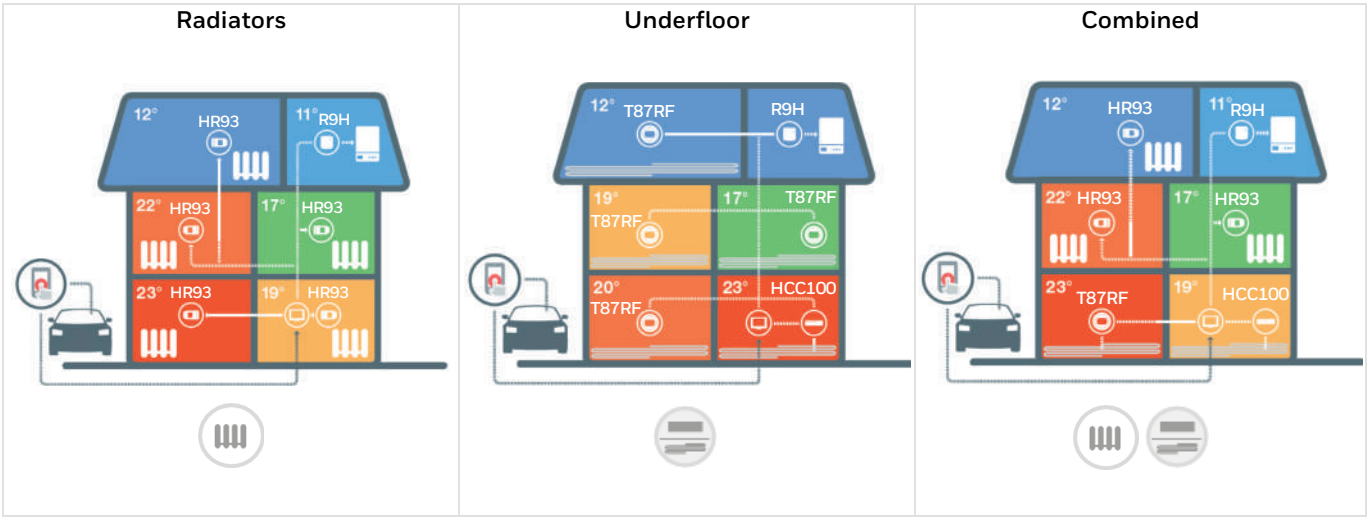
Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

Parameter	Value
Environment:	clean, dry and dust free
Min. ambient temperature:	-20 °C
Max. ambient temperature:	50 °C
Min. ambient relative humidity:	10 % *
Max. ambient relative humidity:	90 % *

*non condensing

Method of Operation



Ordering Information

The following tables contain all the information you need to make an order of an item of your choice.

Options

Description	Language	Item No.
EVOHOME DISPLAY	NL, EN, FR	ATC938G4000
EVOHOME DISPLAY	DE, IT, ES	ATC938G4027
EVOHOME DISPLAY - EE	CZ, HU, PL, RO, SK, DA	ATC938G4026
EVOHOME THERMOSTAT, CONTROL MODULE	NL, FR, EN	ATP931GM4100
EVOHOME THERMOSTAT, CONTROL MODULE	IT, ES	ATP931GM4118
EVOHOME THERMOSTAT, CONTROL MODULE - EE	CZ, HU, PL, RO, SK, DA	ATP931GM4052
EVOHOME 2 RADIATOR ZONES, CONTROL MODULE	NL, FR, EN	ATP932GM4012
EVOHOME 4 RADIATOR ZONES, CONTROL MODULE	NL, FR, EN	ATP934GM4010
EVOHOME 4 RADIATOR ZONES, CONTROL MODULE	DE, IT, ES	ATP934GM4020
EVOHOME 6 RADIATOR ZONES, CONTROL MODULE	NL, FR, EN	ATP936GM4016
EVOHOME THERMOSTAT, CONTROL MODULE - RETAIL	EN, NL, FR, DE, IT, ES, CZ, HU, PL, RO, SK, BG	EVO-HOUSE
EVOHOME 1 RADIATOR ZONE - RETAIL	EN, NL, FR, DE, IT, ES, CZ, HU, PL, RO, SK, BG	EVO-APARTMENT-PLUS
EVOHOME DISPLAY SPARE PRE-2025 - WE	NL, EN, FR, DE, IT, ES	EVOSPAREWE
EVOHOME DISPLAY SPARE PRE-2025 - EE	CZ, HU, PL, RO, SK, BG	EVOSPAREEE

Accessories

	Description		Item No.
	**HR93**	**Electronic Radiator Controller**	
		1 PC - CENTRAL	HR93
		1 PC - WESTERN	HR93WE
		1 PC - EASTERN	HR93EE
		4 PCS - WESTERN	HR934WE
	**EVO-TRV**	**Electronic Radiator Controller**	
		1 PC - RETAIL	EVO-TRV
		4 PCS - RETAIL	EVO-TRV4
	**T87RF**	**Room Thermostat**	
			T87RF2033
			T87RF2041
			T87RF2025
	**DTS4**	**Room Thermostat**	
		White	DTS42WRFST20
		Grey	DTS42GRFST21
		Black	DTS42BRFST22
	**HCC100**	**Underfloor Multi-Zone Controller**	
			HCC100M2022
	**R9H**	**Appliance Control Module**	
		2-Relay, OpenTherm	R9H911RF3000

	**ATFDHW**	**Hot water sensors**	
		10K NTC	ATFDHWSENSOR
	**ATF600**	**Wall mount**	
		with power supply	ATF600
	**ATF700**	**Front cover**	
		3 coloured covers	ATF700
	**ATF800**	**Table stand**	
		with power supply	ATF800

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