

# EVOTOUCH

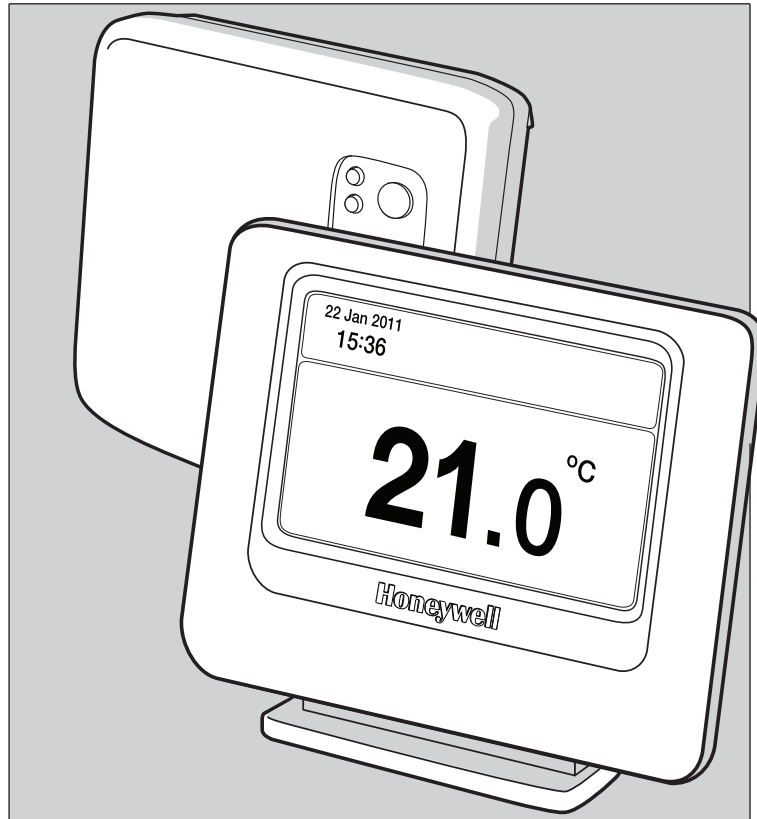
## THERMOSTAT PACK

### FEATURES

- Controls up to eight heating zones and one hot water
- Energy saving TPI Control
- ECO mode for energy saving
- Optimisation to save energy
- Touch screen for easy use
- Intuitive guided scheduling
- Large clear backlit screen
- Holiday mode
- Frost protection
- Signal strength test
- USB port for future upgrades
- Two way wireless communications

### OPTIONS

- Add extra zones with wireless radiator controllers (HR80UK) and/or zone valves
- Can be upgraded for underfloor heating



### APPLICATION

The evotouch Thermostat Pack fits directly on to any heating only system or system with a combi boiler. It contains an evotouch controller and a BDR91 receiver. Suitable for new and existing systems.

Designed to convert a system with single zone pipework into a multi zone system. Resulting in optimal comfort combined with maximum energy saving.

Ideal for domestic or small commercial properties that require zoning. Suitable for radiator circuits. Compatible with standard or combi boilers.

Additional receivers can be added to the system to suit the type of Sundial plan (and number of zone valves). evotouch can be installed on all Sundial Plans (S, Y, S Plan Plus etc.), it is a simple matter of wiring the connections.

Use the evohome Sundial Pack to control systems with stored hot water.

Add extra control zones with wireless radiator controllers (HR80UK).

For very large properties, connect up to four evotouches to a BDR91 receiver to control up to 32 zones. Add an unlimited number of HR80UK thermostats to control them. Ideal for larger domestic or commercial properties such as doctor surgeries, offices, schools or blocks of flats.

**EVOHOME**

**Honeywell**

## ■ Installation

The evotouch controller is bound to the BDR91 receiver. The receiver is wired to a zone valve or boiler. evotouch sends a wireless signal to the receiver and when required switches the boiler on.

evotouch can be table top or wall mounted. It comes with a table top stand, a mounting box can be ordered separately see below.

The table top stand is also the charger for the two internal batteries, these provide power to evotouch to operate for approximately two hours. Ideal for armchair programming.

The evotouch has guided scheduling which allows for quick configuration and binding of the various components of the system with signal testing facilities.

Guided configuration also allows easy set up for each time and temperature profile.

## ■ Ordering Specification

**ATP921G1080** Thermostat Pack  
Contains one evotouch multi-zone controller, one evotouch stand and one BDR91 receiver.

**ATF300**  
evotouch mounting box

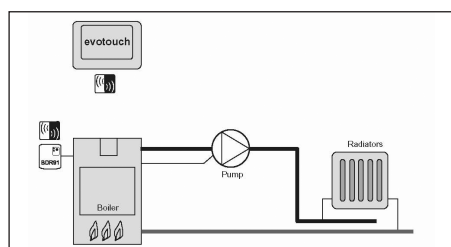
**ATF400**  
Optional front covers

**HR804UK** Zoning Pack  
Four HR80UK wireless radiator thermostats

**HR80UK**  
One wireless radiator thermostat


**BDR91**  
One wireless receiver

## ■ Schematic Layout



## ■ Specification

### Evotouch Controller

Operating Temperature	: 0 to 40°C
Setpoint Temperature	: 5 to 35°C in 0.5°C steps
Humidity	: 10 to 90%
Power Supply	: 230v 50Hz
Batteries	: 2x AA rechargeable NiMH
Battery Life	: Typically 2 years
Backup Memory Life	: Indefinite (EEPROM)
RF Band	 : ISM 868 MHz, Class 2 RF, 2 way
Communication Range	: Up to 30 meters
Dimensions (HxWxD)	: 101 x 139 x 21mm
Time Setting Resolution	: Time of Day -1min
Summer-Winter Time Change	: Automatic

### BDR91 Receiver

Humidity	: 0 to 90%
Power Supply	: 240VAC, +10%, -15%, 50Hz
Switch Rating	: 24V~240V~50Hz, 5A resistive, 2A inductive
Switch Type	: SPDT relay
RF Band	: ISM 868 MHz, 1% duty cycle
RF Communication Range	: Up to 30 meters
Dimensions (HxWxD)	: 90 x 92 x 30.5mm
IP Ratings	: IP30
Standards	: DIN ENISO9001/14001, CE, EN60730-1 (2001), EN55014-2(1996), ETSIEN300220-3(2000).
Dimensions (HXWXD)	: 101 x 139 x 21mm

## ■ Wiring diagram

### NOTE:

1. It is recommended that either the 10 way junction box or Sundial Wiring Centre should be used to ensure first time, fault free wiring.

