

Heating Systems



Heating Systems

Main types of heating systems:

- 'Wet' central heating systems based on boilers with radiators – this can be a:-
 - regular boiler which provides hot water via a separate storage tank
 - combination boiler which provide instant hot water at mains pressure
- Other central heating systems, such as warm-air heating or electric storage heaters

Warm air heating

Gas warm air systems - gas is burnt to warm up a heat exchanger. The air is heated by being drawn over the heat exchanger.

Electric warm air units – a heat retaining block is heated by electric elements over night using off-peak electricity.

With both systems heated air is distributed around the property using duct work

Electric storage heating

Storage heaters contain heat retaining blocks that are heated over night by electric elements using off-peak electricity.

Controls

Thermostatic radiator valves :

Are fitted to individual radiators & have a range of settings. As the radiator reaches its set temperature the TRV reduces the flow of water to the radiator.



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Room Thermostat:

Turns the boiler and heating pump off when the required temperature has been reached in the room. The thermostat is normally located in the living room or hall.



Storage heater controls:

The two controls on a storage heater are the 'Input & Output (or 'boost') Input control - controls the amount of heat stored in the heater overnight, Output control - controls the rate at which heat is released into the room during the day.

Electric Warm Air controls:

Controls are located on the front panel.

The input control controls the amount of heat put into the heater overnight. The fan switch is controlled by the room thermostat & needs to be turned on, see room thermostat above. The fan switch should be turned off before the user goes to bed. The boost switch increases the airflow delivered by the unit.

Programmer or Timeswitch

Programmings allow the user to set the periods when heating & hot water are required



Timeswitches include a dial which allows space heating & hot water to be on at the same time, or hot water alone, but not heating alone.



Economy 7 water heating control

The 24hr dial should read the correct time of day and can be adjusted by turning the dial clockwise. The water heater switch when in the TIMED position brings the immersion heater in the hot water cylinder on overnight using off-peak electricity. The Boost Timer can be used during the day to provide extra hot water.



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Ventilation

For safety reasons - any ventilation grilles (to external & internal) that are fitted in the same room as the boiler must not be blocked.

Oil Tanks

These tanks contain Kerosene (Class C 28 sec).

The user must not let the tank run dry, disconnect pipework or gauges or allow pipework or tanks to become damaged.

Do not let shrubbery, grass & weeds grow around the tank.

Report any suspected leaks immediately.

Contract & Asset Management

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Short url (if applicable)

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