

# **THERMAFLOW OFF-PEAK & CENTRAL HEATING CONTROL SETTINGS IN CONJUNCTION WITH VARIOUS WET ELECTRIC TARIFFS (EXAMPLE ONLY)**

The Thermaflow Boiler is an electrically heated primary thermal store.  
The primary and secondary circuits are both unvented.

The amount of energy which can be stored in Kw/Hrs is  
approximately as follows with the  
store at maximum temperature:

**210 Litre – 24 Kw/Hrs**  
**250 Litres – 28.5 Kw/Hrs**  
**330 Litre – 38 Kw/Hrs**

When used in conjunction with a wet electric off peak tariff which combines periods of full & reduced rate electricity it is recommended that a thermaflow off peak time control is purchased along with the boiler.

This control allows the user to make most benefit of the reduced rate electricity available which in turn will reduce the electricity costs.

Maximum reductions in fuel costs can be achieved by opting for the largest store which is possible to install along with the off peak control. This will allow the maximum amount of energy to be stored at reduced rate periods which in turn will reduce the amount of power consumed in full rate periods for heating and hot water.

**Setting the Thermaflow off peak control in winter**

The off peak control and central heating timer should be set to suit individual lifestyles and around your chosen tariff.

The following example is provided as a guide and will have to be adjusted to suit the users lifestyle and chosen tariff

Tariff – Scottish Hydro Economy 10 for wet electric central heating.  
Any electricity used in the property is reduced rate during the following hours.

Reduced rate hours as follows :

**4:30am – 7:30am**  
**1:30pm – 4:30pm**  
**8:30pm – 12:30am**

**Central Heating on-off times required week days**

**6:00am – 8:00am**  
**4:00pm – 10:30pm**

**Set the off peak control as follows:**

**ON – 4:30am**  
**OFF – 7:30am**  
**ON – 1:30pm**  
**OFF – 7:30pm**  
**ON – 8:30pm**  
**OFF – 12:30am**

**Set Central Heating Time Control as Follows.**

**ON – 6:00am**  
**OFF – 7:30am**  
**ON – 3:00pm**  
**OFF – 10:00pm**

**Week ends – Heating required all day Saturday & Sunday.**

**Set off peak control as follows**

**ON – 4:30am**  
**OFF – 12:30pm**  
**ON – 1:30pm**  
**OFF – 7:30pm**  
**ON – 8:30pm**  
**OFF – 12:30am**

**Set central heating time control as follows**

**ON – 6:00am**  
**OFF – 11:00pm**

**If the user has a room thermostat installed and individual radiator thermostats installed, these thermostats should come on and off within the central heating timed periods to suit the desired room temperature settings.**

**The lower the thermostat controls are set to, the lower the fuel consumption.**

**In summer time the off peak control can be set to charge the boiler only in the reduced rate periods,**

**The duration of the on periods will be determined by the amount of hot water required and the users lifestyle.**

**The times can be adjusted until the desired hot water requirements are achieved.**