

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 & Southern Energy Economy 10 for wet electric central heating.

Reduced rate hours as follows :

12:00am – 5:00am
1:00am – 4:00pm
8:00pm – 10:00pm

Central Heating on-off times required week days

6:00am – 8:00am
4:00pm – 10:30pm

Set the off peak control as follows:

ON – 12:00am
OFF – 7:00am
ON – 1:00pm
OFF – 6:30pm
ON – 8:00pm
OFF – 10:00pm

Set Central Heating Time Control as Follows.

ON – 4:00am
OFF – 7:00am
ON – 2:30pm
OFF – 10:00pm

Week ends – Heating required all day Saturday & Sunday.

Set off peak control as follows

ON – 12:00am
OFF – 11:30am
ON – 1:00pm
OFF – 6:30pm
ON – 8:00pm
OFF – 10:00pm

Set central heating time control as follows

ON – 4:00am
OFF – 10:00pm

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.