

## FAULT FINDING

If your central heating system does not switch on then check the following:

1. **The time clock is in the ON position.**  
If the time clock is within the normal ON period then check that the selector switch is in the timed position.
2. **The room thermostat (if fitted) is turned UP.**  
Turn the room thermostat (if fitted) to it's maximum setting and listen for the 'click' to indicate that it is now on.
3. **The mains supply is ON.**  
Check that the indicator lights on the Energy Saver are ON. If not a fuse may have blown.

If checks 1 to 3 prove satisfactory then switch the BYPASS switch on the Energy Saver to the BYPASS position. If the boiler operates then leave the switch in this position and contact your installer. If the boiler still refuses to operate then there is probably a fault with it, once again contact your installer.

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## Modulating and twin sensor controlled boilers

Modern boilers can benefit from the installation of a Boiler Energy Saver. However the set up to achieve the maximum saving is more crucial than standard system boilers.

The flow temperature setting on the Boiler Energy Sensor should ideally be set at 1°C below the set temperature of the boiler thermostat.

Setting the boiler temperature just above the Boiler Energy Saver temperature is very important as this ensures that the Energy Saver is in control of the boiler firing pattern.



# Domestic Boiler Energy Saver

## Commissioning Instructions

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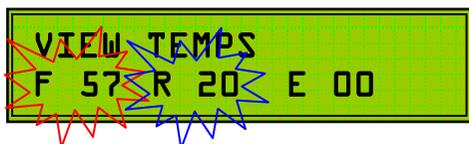
## ENERGY SAVER COMMISSIONING INSTRUCTIONS

There are three user controls on the Energy Saver, these being:

- 1) Temperature Button (top)
- 2) Boost Button (middle)
- 3) Active / Bypass Switch (lower right)

For maximum economy the temperature program should be set so as not to exceed the actual maximum temperature as achieved when the boiler thermostat is set to it's normal setting. To do this proceed as follows:

- 1) With the Bypass Switch in the 'bypass' position allow the boiler to cycle twice on the boiler thermostat's normal setting. The heating system must be up to normal running temperature.
- 2) Press and hold the 'Boost' button until the display changes, showing the flow 'F' and return 'R' temperatures (the boost light will be on during this procedure). Make a note of the flow temperature 'F'.



- 3) The 'Temperature Set' button should now be held until the temperature setting as shown on the display (1 to 7) is as close to, but below the noted flow temperature.

E.G. If the noted 'F' value was 70°C then set the temperature on the Energy Saver to program 5 – 67°C.

**Note:** If a different boiler thermostat setting is selected for Winter/Spring, repeat the above procedure for the new setting.

- 4) When the 'Temperature Set' button is released the display, after a few seconds, will show the 'Set Min Retn' screen. Again use the 'Temperature Set' button to set the minimum return temperature as per boiler specification, e.g. gas set to 40 – 50 °C, oil set to 50 – 55°C.

**Note:** If the minimum return temperature is already set above the value required simply hold in the 'Temperature Set' button until the temperature reaches 65°C at which point it will loop back round to 32°C and you can then increase it to the desired level.

- 5) Return the Active/Bypass switch to the 'Active' position. Commissioning is now complete.

If it is found that the Energy Saver settings cause a noticeable drop in hot water or room temperature then set the boiler thermostat to the next available higher position and adjust the Energy Minder temperature setting to the next higher value (as per step 3).

## WHAT THE INDICATORS MEAN

The Energy Saver has a digital display which can indicate the following modes of operation:

**FIRING** – When displayed the boiler will be on and producing heat.

**ECONOMISING** – When displayed the boiler should be off, the Energy Saver will be in economy mode. If the boiler is on then check that the bypass switch is in the correct ACTIVE position.

**BOOST** – This will be displayed at first switch-on and will go off as the system warms up. On certain types of heating system (gravity hot water) the indicator will stay on during hot water only periods.

**TEMP SET** – This indicates that the heating system has reached the required temperature as set in the Energy Saver.