

## Fault-finding

If your central-heating system does not come on, check the following.

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

If you have carried out the above checks, switch the bypass switch on the Energy Minder to the bypass position. If the boiler works, leave the switch in this position and contact your installer. If the boiler still will not work, there is probably a fault with it and you should contact your installer.

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## Digital Boiler Controller User Instructions

### What is a programmer?

... an explanation for householders

Programmers allow you to set 'On' and 'Off' time periods. Some models switch the central heating and domestic hot water on and off at the same time, while others allow the domestic hot water and heating to come on and go off at different times.

Set the 'On' and 'Off' time periods to suit your own lifestyle. On some programmers you must also set whether you want the heating and hot water to run continuously, run under the chosen 'On' and 'Off' heating periods, or be permanently off.

The time on the programmer must be correct. Some types have to be adjusted in spring and autumn at the changes between Greenwich Mean Time and British Summer Time.

You may be able to temporarily adjust the heating programme, for example, 'Override', 'Advance' or 'Boost'. These are explained in the manufacturer's instructions.

The heating will not work if the room thermostat has switched the heating off. And, if you have a hot-water cylinder, the water heating will not work if the cylinder thermostat detects that the hot water has reached the correct temperature.

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## What does the Boiler Energy Saver do?

The Boiler Energy Saver fitted to your central-heating system will make sure your boiler works as efficiently as possible. This will reduce the operating costs and the levels of carbon dioxide released into the atmosphere.

The Boiler Energy Saver Boiler-Management System gives you far more flexible control over your heating system, and reduces the time the boiler needs to fire in order to maintain a steady temperature. This reduces the amount of energy used and the levels of carbon dioxide gases released into the atmosphere. It does this by monitoring and controlling the temperature of the water flowing to the radiators and the temperature of the water when it returns to the boiler. The difference between these two temperatures shows the demand on your boiler. The standard boiler thermostat alone cannot work in this way and so will not control temperatures as efficiently and economically as the Boiler Energy Saver.

## How to use it

The Boiler Energy Saver takes over the control of your boiler. To allow this to happen, you will need to set the boiler thermostat to a high setting.

In your case, set it to number: \_\_\_\_\_ (the installer must fill in this number)

There are three simple controls on the Boiler Energy Saver:

- the bypass switch;
- the temperature set button; and
- the boost button.

You should normally leave the bypass switch in the active position. Holding the temperature set button down will take you through the available settings (1 to 7). This should first be set by the installation engineer. Run your central-heating system at this setting for a few days in order to allow everything to settle down.

## Making adjustments

If the property is too warm, use the temperature set button to enter a lower setting. (the Boiler Energy Saver will take you through the settings 1 to 7 if you hold the button down.) If the property is too cold, enter a higher setting. You will soon work out the best setting to suit you.

When you release the temperature set button, the display will show the 'Set Min Retn' screen. **Do not** alter this setting as the installation engineer has set it. The normal screen will return after a few seconds.

If you need a lot of hot water, pressing the boost button will give your central-heating system a one-hour boost to provide the extra hot water.

The Boiler Energy Saver and modern boiler thermostats will not allow you to set the boiler temperature below a minimum level. This is to protect the boiler and keep it working efficiently.

## What the indicators mean

The Boiler Energy Saver has a digital display which can show the following programmes.

**Firing** – When this is displayed the boiler will be on and producing heat.

**Economising** – When this is displayed the boiler should be off, and the Boiler Energy Saver will be in economy mode. If the boiler is on, check that the bypass switch is in the active position.

**Boost** – This will be displayed when you first switch your central heating on and will go off as the system warms up. On certain types of heating system (gravity hot water), the indicator will stay on while the heating system is set to provide hot water only.

**Temp set** – This shows that the heating system has reached the temperature you have set in the Boiler Energy Saver.