

**NOTE:** During normal operation the set temperature may drop by 2°C if the boiler cannot reach the programmed set temperature. This will reset during the next firing cycle. Repeated occurrence indicates that the boiler cannot achieve the requested temperature and that the Energy Minder temperature setting may need reducing.

## 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 its 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 Minder are ON. If not a fuse may have blown.

If checks 1 to 3 prove satisfactory then switch the BYPASS switch on the Energy Minder 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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# Digital Energy Minder Commissioning Instructions

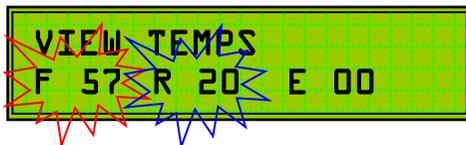
# ENERGY MINDER COMMISSIONING INSTRUCTIONS

There are three user controls on the Energy Minder, 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 Minder 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 approx. 10-12°C below the set temperature (3) but not below any minimum as specified by the boiler manufacturer.

**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 30°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 Minder 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 Minder 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 Minder 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 Minder.