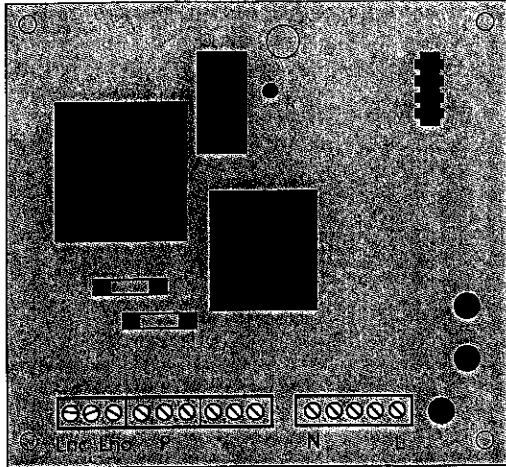
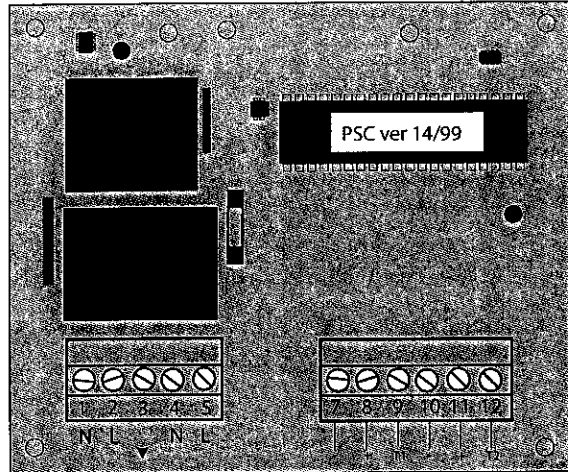


# ABBEY BOARD CONVERSION TO PSC BOARD WIRING INSTRUCTIONS

1. Switch off the mains supply and check that the electrical supply is isolated before attempting any alterations.
2. On the Abbey board remove the two wires marked TH connecting the PCB to the thermistor and discard as they are no longer required.



**ABBEY BOARD**



**PUMP SPEED CONTROL BOARD**

3. Replace the old PCB board and wire the new PCB as below:

**ABBEY BOARD**

**PSC BOARD**

- |     |                                 |
|-----|---------------------------------|
| FS  | Terminal 7                      |
| FS+ | Terminal 8                      |
| L   | Terminal 5 (Live)               |
| N   | Terminal 4 (Neutral)            |
| N   | Terminal 1 (Pump Neutral)       |
| P   | Terminal 2 (Pump Live)          |
|     | Terminal 3 - provide earth lead |

4. Isolate the main cold supply to the appliance open all hot taps and drain the hot supply pipework. Unscrew the thermistor from the hot outlet pipe (above the Plate Heat Exchanger). Replace this with the new hot water temperature sensor and switch on the main cold supply.
5. Feed the white flex from the new sensor fitted inside the appliance case up to the control panel. Wire the sensor to the PSC board as the following:

**HOT WATER SENSOR**

**PSC BOARD**

- |        |                         |
|--------|-------------------------|
| BLUE   | Terminal 9              |
| YELLOW | Terminal 10             |
| BROWN  | Terminal 11             |
|        | Terminal 12 - not used. |

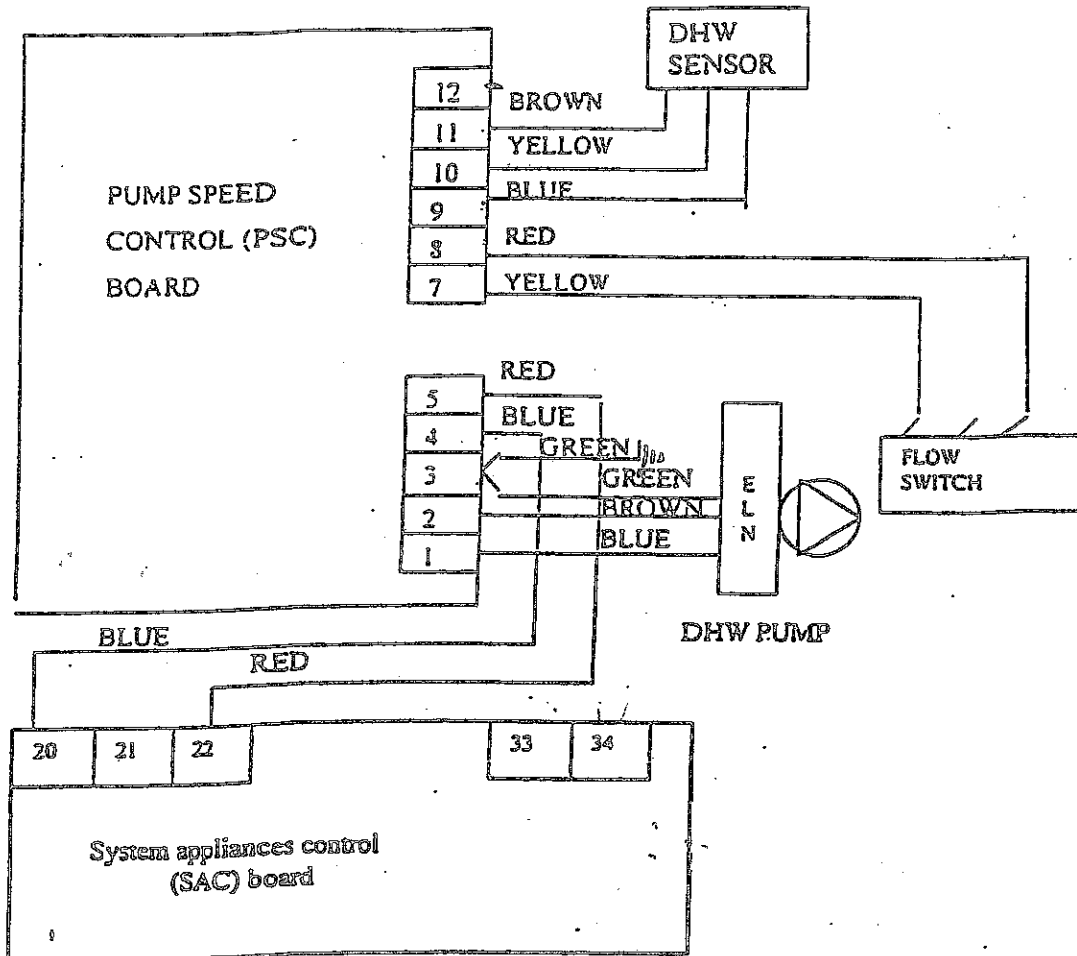
6. Restore electrical supply and fully test the hot water operation.

# REPLACEMENT OF PUMP SPEED CONTROL (PSC) BOARD



1. When changing this board on appliances manufactured prior to December 1999, you will need to reconnect the wires into the push fit wiring connectors supplied with the new board. All wires will reconnect to the same terminals other than as follows:
  - a) The live wire (red) from terminal 6 on the old board should be connected into terminal 5 on the new board.
  - b) The neutral wire (blue) from terminal 5 on the old board should be connected into terminal 4 on the new board.
  - c) The earth wires (green) from terminals 3 and 4 on the old board should be connected into terminal 3 on the new board.
  - d) Terminal 12 will not be used.
  
2. On some early model appliances the DHW flow switch was wired through the SAC board. If this is the case you will also need to amend the wiring as follows:
  - a) Disconnect the 2 existing wires from terminals 7 and 8 on the PSC board.
  - b) Disconnect the 4 existing wires from terminals 33 and 34 on the SAC board.
  - c) Reconnect the existing 2 wires from the flow switch (previously removed from terminals 33 and 34 on the SAC board) into terminals 7 and 8 on the PSC board.
  - d) Discard the 2 lengths of wire which originally connected the psc board to the SAC board.

3. The appliance should now be wired as follows:



If further assistance is required please ring the Gledhill Technical helpline on 01253 474401.