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Note: For fault F5, reconfigure the PCB in the first instance, if F5 keeps recurring, both the main and display PCB's must be changed at the same time.

MCB3001

This PCB fits in 3 different boiler models and 2 different gas types. Below are the instructions to set the PCB for the correct boiler model and gas type.

PCB Configuration Instructions

1. Turn off the boiler, (left control knob to the Off position).
2. Unplug the mains connection.
3. Open the electronic box of boiler.
4. Unplug all the wires from the printed circuit board, (PCB).
5. Replace the PCB.
6. Reconnect all the wires on the PCB, in the same way as before.
7. Plug in the mains connection.
8. Turn on the boiler, it'll show F3, the new PCB **must** be configured.

To Configure the PCB to the correct type of Boiler:

- a. Turn both control knobs to the Off position, (blue dot and summer position).
- b. Now push the PCB button two times and it'll show "Cn" and a two digit number alternatively the display.
- c. Turn the left control knob (dhw) until the display shows "t1" "04" alternatively.
- d. Turn the right control knob (ch) until the display shows "t1" "00" for the FEB-24ED, "t1" "01" for the FEB-24ED 3 Star or "t1" "03" for the FEB-24HE.
- e. Now press the button on the PCB to save the changes, the display will show "- -"
- f. Turn the right control knob (ch) to the Off position to check the stored value "t1" "00" will be displayed.
- g. Now turn the left control knob (dhw) until the display shows "PC" "OF" alternatively.
- h. Now turn the right control knob (ch) until the display shows "PC" "ON" alternatively, this will activate the pump cycling option.
- i. Now press the button on the PCB to save the changes, the display will show "- -"
- j. Turn the right control knob (ch) to the Off position to check the stored value "PC" "ON" will be displayed.
- k. Turn the left control knob to Off.

To configure the gas type.

- a. Turn the left control knob (dhw) to the On position.
- b. Now turn the right control knob (ch) to "12 o'clock" position.
- c. Now turn the left control knob (dhw) to the Off position, back to On, back to Off and finally back to On, just after the blue dot, in quick succession, then turn the (ch) control knob to the Off position and displayed will be "P1" and "6n"(natural gas) or "LP"(LPG) alternatively.
- d. Now turn the right control knob (ch) until the correct gas is displayed, "6n" or "LP".
- e. Now press the button on the PCB to save the changes, the display will show "- -"
- f. Now turn the right control knob (ch) to the Off position to check the store value.
- g. Now turn the left control knob (dhw) to the Off position.

To configure the central heating for radiators or under floor heating.

- a. Turn the left control knob (dhw) to the maximum position.
- b. Now turn the right control knob (ch) to the Off position.
- c. Now push the PCB button once and the display will show "CA" "RA"(radiators) alternatively, push the PCB button once again and display will now show "CA" "SU"(under floor heating) alternatively. Press the PCB button until the correct central heating system is selected.
- d. Now turn the left control knob to the Off position.
- e. To check if the correct central heating system is selected, turn the left control knob to the On position and the display will initially show either "RA"(radiators) or "SU"(under floor heating).