

Rotary Isolator Switch

10mm cable (minimum)

**ELECTRIC**     
**COMBI BOILERS CO.**

Model: EK.BPC

Consumer unit



Dedicated  
63A RCD  
50A MCB



Hot water

Heating Flow

Filling Loop

Heating Return

- Central Heating
- Radiators
  - Underfloor heating

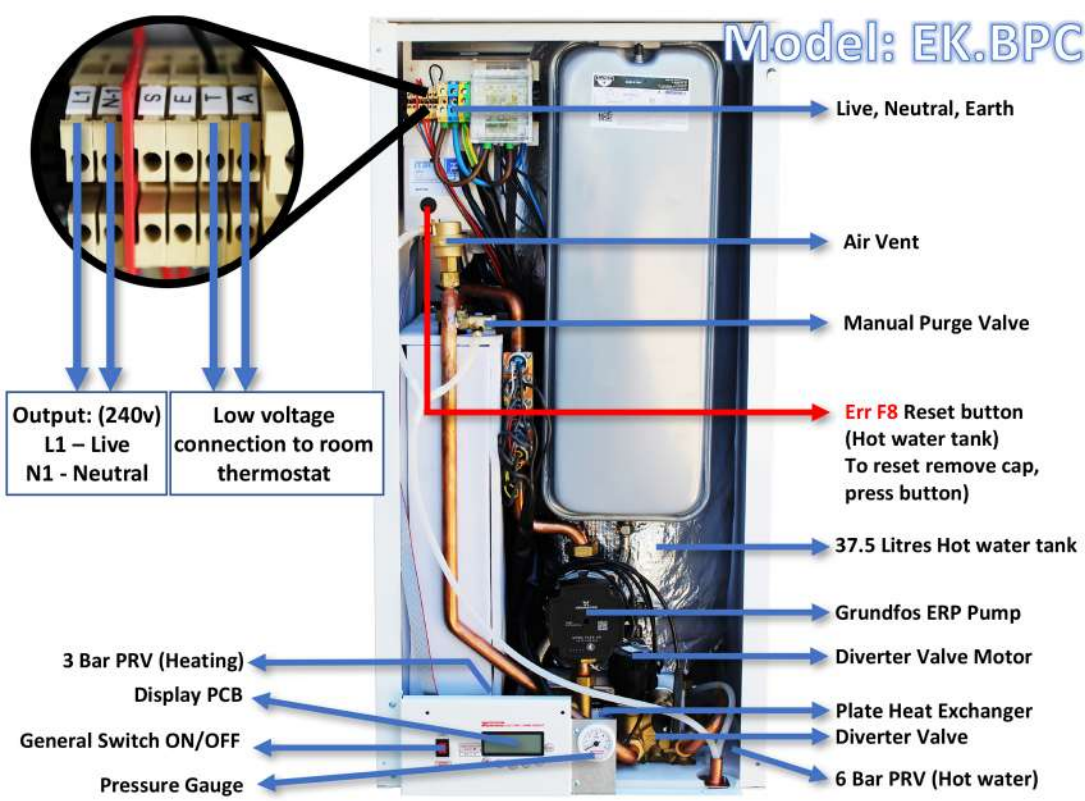


Discharge valve  
3 bar (Heating)

Discharge valve  
6 bar (Hot water tank)

Mains water

# Model: EK.BPC



## Installation tips:

- ✓ Fill the system to 1.0-2.0 Bar pressure with the purge valve open Repeat this process 2-3 times, to let the air out of the system.
- ✓ Now turn the boiler ON without any heating controls connected.
- ✓ Make sure the boiler is on Winter mode for heating demand.
- ✓ Make sure the boiler is on Comfort mode for continuous hot water.
- ✓ After boiler is functioning on Heating & Hot water, connect your room thermostat to connection T and A (low voltage connection only)

## Error Codes and Troubleshooting:



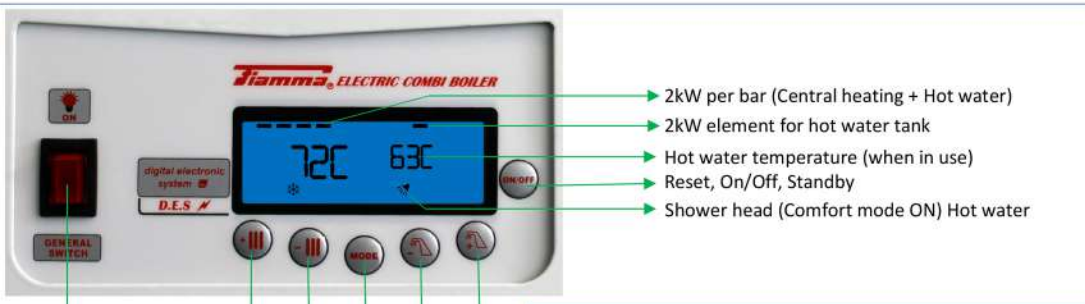
**Low system pressure**  
To resolve this open the filling loop and pressurise the system to 1.0-2.0 bar. If the system pressure is 1.0-2.0 bar and the error is there, change low water pressure switch. (Boilers minimum working pressure is 0.8 bar)



**Overheat Thermostat protection mode**  
Press the **ON/OFF** button on display panel to reset the error.



If the error code cannot be reset by pressing the **ON/OFF** button then press the reset button inside the boiler after removing the cap, to clear the code press **ON/OFF** button.



<b>MODE</b>	Press and hold the mode button to switch between WINTER ❄️ and SUMMER ☀️ mode.
<b>+    </b> or <b>-    </b>	Press the buttons to adjust the heating temperature on the boiler.
<b>+ 🚿</b> or <b>- 🚿</b>	Press the buttons to adjust the hot water temperature on the boiler.
<b>+ 🚿</b> + <b>- 🚿</b>	Press the buttons together to switch between ECO & COMFORT modes on the hot water.
<b>MODE</b> + <b>ON/OFF</b>	Press the buttons together to start DE-AIR program, this will run for 13 minutes & release air out of the boiler.

## General Faults and Troubleshooting:

- ✓ No heating and hot water: Check pump. If stuck, free the impeller.
- ✓ Blank screen: Press and hold **ON/OFF** button.
- ✓ MCB tripping: Make sure the MCB is 50A. Check external wiring including MCB.
- ✓ RCD tripping: This is due to neutral & earth continuity. Check external wiring.

Advisory: Please make sure all connections for 10mm cable are properly tightened. Failure to do so may result in arching/burning. Electrical connections for the contactors and main connector need re-tightening after 12-18 months by an electrician.