

FACT FILE 036

Useful Facts Radiant Boilers

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| Dead Boiler | Check water pressure on gauge and LED Check power at source & at boiler [240 Volts] Check fuse on Main PCB | Boiler fires then goes to overheat | Check Pump [Jammed or failed] Check 3 Port valve [for debris or failure] |
| Water Pressure Switch | Test by fitting link between 43 & 44 [M9] on Main PCB If room sealed model flue sensor LED flashes this may indicate either a pressure switch Fault or heating sensor fault | Lack of hot water | 3 port valve [with head removed] head motors open & closes continuously head Faulty [replace] Valve body spindle should push in and out easily, if not remove cartridge and replace |
| Power Supply failure | Check polarity Check PCB fuse, if this has blown, this indicates a mains fault, check Fan, Pump, Check fan for burnt marks on windings | Boiler attempts to fire But no ignition or flame | Check high limit stat Check in coming gas rate Check ignition electrodes and wires for damage etc. |
| All lights flashing Intermittently | Hot water setting Low water pressure just on top up pressure Lights stop when Heating is switched on Increase water pressure to 2 bar to stop | Main PCB | Fan & Pump get power from PCB if no power is detected PCB may be suspect |
| Hot water selected | No demand light on Check flow switch by linking out (M9) 41 & 42 Check flow switch piston for debris | P4 (Potentiometer) | Ignition start up Remove Jumper from CM2 and fit on CM- RLA adjust ignition on P4 with screwdriver |
| Boiler fires but only runs On low fire | Check wiring to the gas valve PCB Check Gas valve PCB is installed correctly Check gas rate settings Check boiler has been commissioned correctly [re-commission] | P5 (Potentiometer) | Anti cycling timer 0 - 7 minutes, set with arrow pointing down ½ way |
| Hot water pump over-run When in winter position | Runs approximately 90 seconds | P3 (Potentiometer) | Heating output High 13.7 mbrs Low 04.2 mbrs High LPG 32.Mbrs Low LPG 0.6 Mbrs |
| HWS sensor failure Heating sensor failure | 40° LED flashes [replace] 50° LED flashes [replace] | | |



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