UNISHARE SYSTEM, FAULT FINDING

Please note, all maintenance and fault finding should be carried out by a fully qualified person.

Always ensure that the system is dead when connecting or disconnecting wires.

Check that the wiring is correct and there are no loose connections.

Programmer: **Ensure that power is present at the programmer and the display is on.**

With the programmer indicating that *Central heating* is on demand, check that there is power out from the Central heating 'ON' terminal. If no power, then programmer is faulty.

With the programmer indicating *Hot water* is on demand, check that there is power out from the Hot water 'ON' terminal. If no power, then the programmer is faulty.

With the programmer indicating *Hot water* is 'OFF', check that there is power out from the Hot water 'OFF' terminal. If no power, then the programmer is faulty.

Room thermostat: **With Central heating on demand on the programmer, check that there**

is power to the 'Common' terminal of the room thermostat. If no power to 'Common' terminal, then suspect programmer. If power is present at 'Common' terminal, disconnect wire from 'Demand' terminal and operate thermostat to 'call' for heat. If no power on 'Demand' terminal, then suspect thermostat. Disconnecting wire from demand terminal prevents false reading by eliminating backfeed.

Radiators heat up when no demand from programmer:

With central heating NOT on demand, check that there is no power to the 'Common' terminal of the room thermostat. If power is present, suspect the Programmer. Disconnect the wire from the 'Demand' terminal and check again for power on the 'Common' terminal. If power is still present on the 'Common' terminal, the programmer is faulty.

Cylinder thermostat: With Hot water on demand on the programmer, check that there is power to the 'Common' terminal of the cylinder thermostat. If no power to 'Common' terminal, then suspect programmer. If power is present at 'Common' terminal, disconnect wire from 'Demand and satisfied terminals and operate thermostat to 'call' for heat. If no power on 'Demand' terminal, then suspect thermostat. Set thermostat to 'Satisfied' If no power on 'Satisfied' terminal, then suspect thermostat. Disconnecting wire from demand and satisfied terminals prevents false reading by eliminating backfeed.

3 Port Spring Return Actuator:

Hot water only: Power on the Orange wire only. If no power, check the Cylinder thermostat and programmer as above.

Hot water & Central heating: Power on the Orange and White wires simultaneously. If no power, check the Cylinder thermostat and programmer as above.

Central heating only: Power on the White and Grey wires simultaneously, with the Orange becoming live when the actuator is in the Central heating position. If no power, check the Cylinder thermostat and programmer as above.

If power is present on the appropriate wires and the actuator still doesn't operate as expected, remove it from the valve and see if it motors to the correct positions when off the valve. If it doesn't, then it's a faulty actuator. If it does, check the valve spindle is free to rotate using your fingers only. If you require pliers or grips to move the spindle, then the actuator will be unable to turn it.

When demanding in the Hot water/Mid /Central heating position, the Orange wire should be Live. If not then the microswitch inside is faulty.