

# AQUASMART 5FS

## Troubleshooting



### **NO POWER TO THE DISPLAY:**

Power point is faulty. Test power point with a known working appliance. If the power point is operational, check the controller in another power point and if there is still no display then send the controller for repair.

**RTC-FAIL** – This can occur if the unit has been turned off for a prolonged period of time, leave the unit on for ~30 seconds, then turn it off for ~30 seconds before turning it back on.

### **PIPE/ROOF SENSOR FAULTS:**

The following are error messages caused by pool or roof sensor faults;

#### **SENSOR DISCONNECTED OR OPEN CIRCUIT**

Sensor cable unplugged from controller, cable damaged, bad cable join, or sensor is damaged.

#### **SENSOR SHORT CIRCUIT OR REVERSED**

Sensor cable or cable join polarity is incorrect, or sensor is damaged. The positive side of the cable [grey coloured wire] should be wired to the righthand side of the plug, with the screws facing towards you and the sensor cable entry at the bottom of the plug. If the cable has been joined ensure no polarity reversal occurs.

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#### **ISOLATING SENSOR FAULTS:**

Swap the sensor locations. Put the pipe sensor in the roof socket and the roof sensor in the pipe socket.

If the fault moves from pipe to roof or vice versa then it is likely that there is a sensor fault.

If the fault remains the same then the controller may need to be repaired.

#### **PUMP FAULTS:**

Ensure the controller has working sensors; otherwise the pump will not operate.

#### **PUMP WILL NOT START:**

The pump will only ever run for the purpose of automatic heating if the pool is below the temperature limit and solar conditions can provide heating.

The pump may also run for a flush in winter-mode or for manual mode operation. If the pump does not operate then plug the pump into a power point and test operation, if the pump is OK then the controller requires repair.

If the controller is showing a "No Flow" error message, check to ensure the chlorinator and filtration pump are running. If a "No flow" error message is displayed and the filtration pump is running, there may be an issue with the flow switch. This can be checked by unscrewing the flow switch wires and using a loop of wire in the flow switch plug at the base of the controller.

#### **PUMP WILL NOT STOP:**

Turn off power to the controller and ensure the pump stops. If the pump continues to operate then unplug it from the power point and connect it to the 240Vac socket marked PUMP at the bottom of the controller.

#### **POOL NOT HEATING:**

If the pool is not heating then check the Aquasmart5 FS display screen to ensure there are no error messages being displayed, Rectify any error messages as per above.

Also check the scheduled Run Hours in the Aquasmart5 FS controller.

#### **FACTORY RESET:**

Hold down ENTER when power is off, hold down after powering up, releasing after 5 seconds.