ADJUSTING YOUR PRESSURE SWITCH

Your pressure switch is factory set and should not normally require adjustment. In the event that your pump doesn't switch off when you close the taps , or it pulses on and off when the taps are fully open, follow these guidelines to readjust the setting.

Pressure switch adjustment may be required usually because the power supply voltage has varied from the previous setting.
Possible causes are:
a. Battery drainage trhough normal use
b. Higher voltage supply when battery charger operating

PRESSURE SWITCH SETTING
1. Ensure the system, including the heater is full of water and all taps are closed. Refer to your user manual. Be sure to set the switch at low battery condition.

2. If present, remove the pressure switch locknut in an anti- clockwise direction, then tighten the adjusting screw clockwise until the pump comes on.

3. Open any tap until you have a smooth flow of water, then close the tap. You should hear the pump running and the pump running light if fitted will be on.

4. Return to the pressure switch and turn the screw slowly anti-clockwise until the pump has stopped. Turn the screw a further half turn (180 degrees) anti-clockwise.

5. Check for correct operation by opening and closing all taps individually. The pump should turn on when the cold tap is opened and switch off immediately when the cold tap is closed. NB At low flows there may be some pulsation.

6. The hot side may take about 10 seconds to react (both on and off) due to cushioning from the water heater.

7. Carefully replace the locknut until it is tight keeping the adjustment screw in position.

REMEMBER: You may also have to adjust the pressure switch to cope with changes in voltage from either battery or mains. Do so using the above instructions.

If setting of pressure switch is still not correct you may experience:

Pump running continuously, even with tap closed. If undiscovered, could result in pump failure and flat battery. Most likely causes are that present voltage is significantly lower when last adjusted, or water container is empty.
CURE: Re- adjust switch or refill container

Pump does not run at all. If not due to blown fuse or faulty connections, then most likely cause is excessive continuous running (see 'a' above)
CURE: Replace pump and readjust switch

Pump runs intermittantly ON, OFF, ON, OFF etc. Seen as pulsing flow from tap, or as inability to set constant water temperature, water goes hot, cold, hot, cold instead of constant warm. Most likely cause is that present voltage is significantly higher than when last adjusted.
CURE: Readjust pressure switch, if problem persists add a Whale Surge Damper.

Pump runs very noisily but does not pump water. Likely to occur after water container has been refilled. Pump is air- locked and is fighting to get air out and water in.
CURE: Unplug from the socket, allowing pump to flood, and reconnect by plugging in again. The correct sequence when refilling the container is to unplug, put pump into container, then reconnect.

Pump continues to run for up to 30 seconds after tap is turned off. This is not a problem. This is a characteristic of pressure switch systems caused by the dampening effect of the hot water heater or surge damper on the cold side.

THREE GOLDEN RULES:
1. NEVER allow the pump to run dry
2. NEVER allow the pump to run continuously for more than 15 minutes
3. The pump assembly MUST be unplugged BEFORE putting the pump back into the refilled water container.

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