

FLOAT SWITCH SETTINGS.
TWIN PUMPS.
Additional notes for on site Electrician.

Create a loop in each of the Float cables using a cable tie, and hang each float switch from the Hook float suspension bracket provided in the Manway opening.

- **Float No.1** The lowest float is the common Off Float, set this about 100 - 150mm up from the bottom of the Sump.
- **Float No.2** is On / Start for the Duty Pump, Set this say 500mm up from the bottom of the sump.
- **Float No.3** is On No.2, Set this a further 150mm up from Float No.2
- **Float No.4** This is the highest float, i.e. the High Level Alarm Float, Set this about 75mm higher than Float No. 3

As water enters the tank the Off float is tilted nothing happens at this point.

As the water level rises further, the On 1 float is tilted, and the '*duty*' pump starts. This runs until the Off float drops down. In the unlikely event that the inflow is greater than the pump discharge rate, then On No. 2 float would tilt, and both pumps would run.

There is a stepping relay in the Control Panel. When one particular pump (i.e. the duty pump) completes a pumping cycle. The *other* pump becomes the duty pump on the *next* cycle, and so on. Each pump is activated / runs alternatively.

I hope these notes are of some help to you. For more technical electrical details please contact:-Steve Barker or Steve Bourne at Pisces Pumps
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