

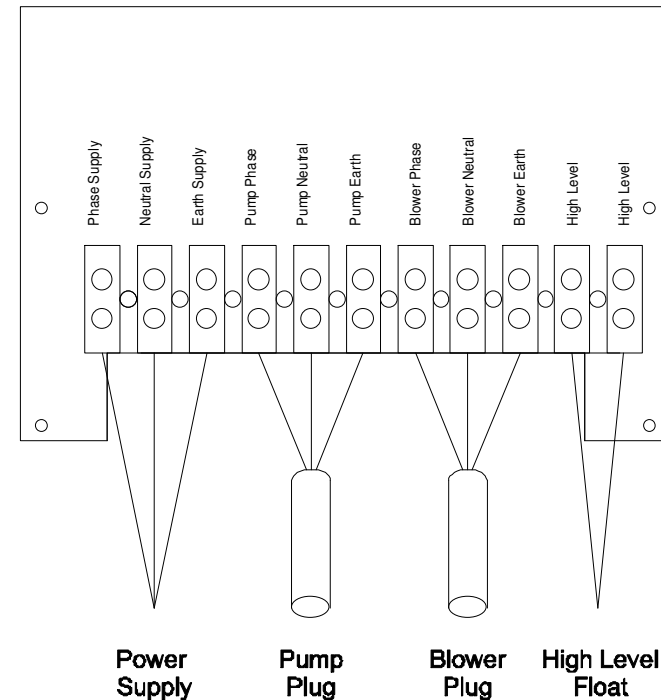
Wastewater System Controller

CONTROLLER INFORMATION

Refer to attached wiring diagram when installing the controller. All electrical work must be carried out as per NZS 3000:2007 and NZECP2:1993. The controller is to be earthed at the distribution board and the supply to the controller should be protected by a suitable MCB or RCBO as deemed necessary by installing electrician. This controller is rated to 10A at 230V. Any questions during installation please contact N2P Controls on 09 570 1919.

1. Remove the lid of the controller. The printed circuit board is attached to the lid. Take care to ensure no moisture or damage occurs to the printed circuit board while the lid is open.
2. Run the power supply cable through the cable gland to inside the controller. Connect the phase, neutral and earth supply to the labelled terminals within the controller. Reattached the lid onto the controller.
3. Connect the pump and blower cables to each of their respective terminals as labelled within the controller.
4. Connect the high level alarm float to the cable supplied. Ensure the float is installed so that there is a closed circuit when the float is up. Ensure the connection is watertight. This circuit is extra low voltage.

NOTE: The ON/OFF switch on the side of the controller is to turn power on and off to the pump, blower and printed circuit board only.



Controller By



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5. Once installed commission by:
 - Supply power to controller once safe to do so. On power up all LEDs and buzzer will shine/sound for approximately 0.5s. Once this test is completed the Green Power LED light should illuminate on front of controller.
 - The Blower should run continuously.
 - Test pump by lifting the float attached to the pump.
 - Test high level alarm by lifting high level alarm float. The red *High Level* LED should illuminate, the buzzer sound and alarm light flash.
 - Press the mute button and the buzzer should stop.
 - Unplug the blower. After 30s the red *Blower Fault* LED should illuminate, buzzer sound and alarm light flash.
 - To reset any alarm, press and hold the mute button for 5s.



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If Mounting Controller a long way from Tank

If the controller is being mounted a long way from the tank (30m+), and the high level float cable has been run beside the pump and blower power cable, induced voltage may occur on the high level float cable. Because the high level float cable typically runs as extra low voltage (circa 12VDC), this may cause a false alarm condition at the controller. To overcome this, you can install a relay in line for this input. Follow the instructions below to do this.

1. Run a 230V power source through the high level float. This should be wired normally open (NO) i.e. there is a closed circuit when the float is up.
2. Install a 230V relay in line to this circuit (refer to circuit at below right). Mount this relay inside the existing controller.
3. Connect the normally open circuits of the relay to the High Level float input as show on diagram to right.
4. Ensure the 230V source you take is from the isolated side of the ON/OFF switch on side of controller.
5. Ensure cable used for the float is rated to 230V.

