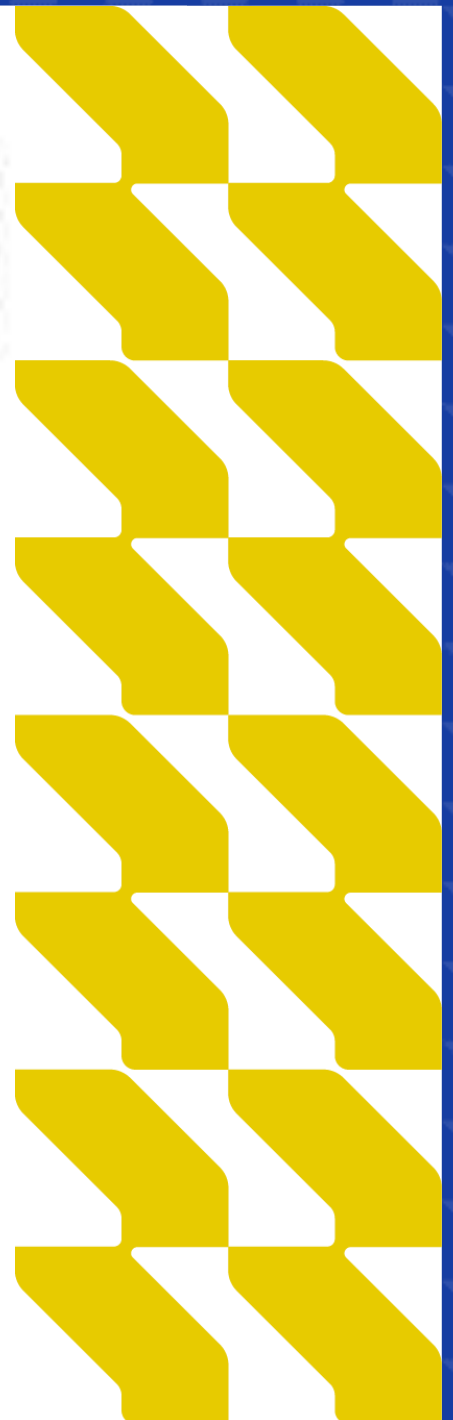


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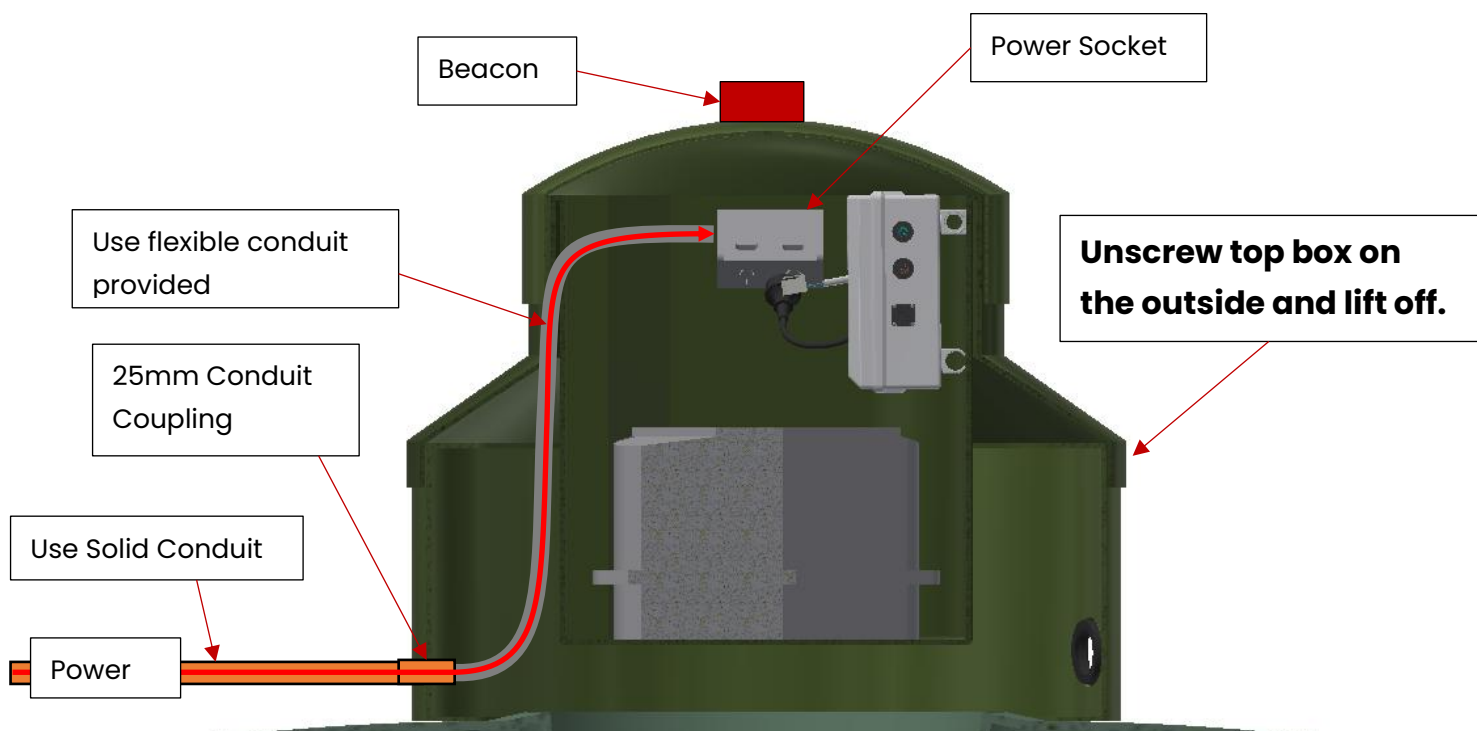
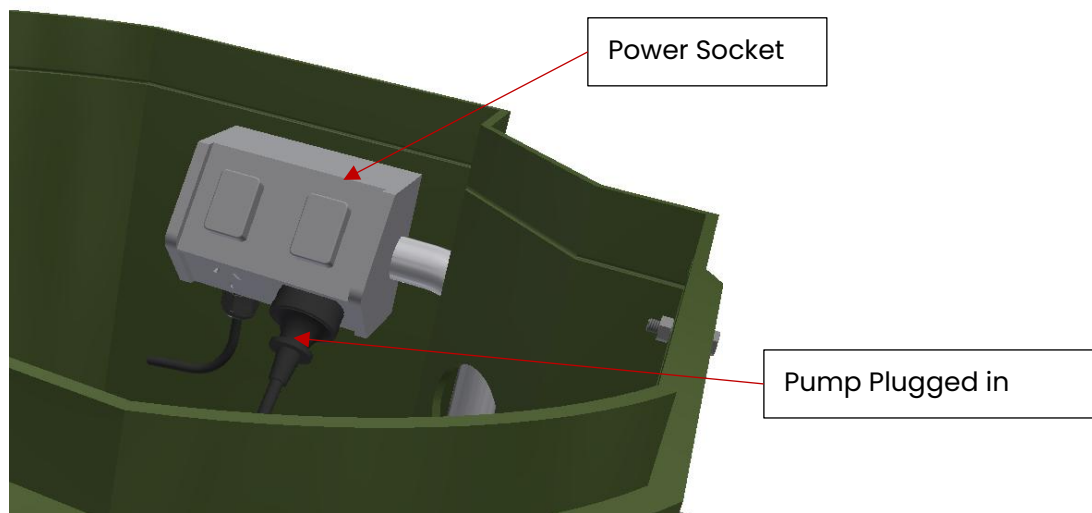
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Power Supply (see Pg 4 also for plastic systems)

Use a 2.5mm² T&E cable for the mains feeder cable. This cable should be protected at the feed end by an MCB rated at 16 Amps and should be installed on its own dedicated circuit.

Mains power supply is terminated in a waterproof outdoor socket, this provides power to the controller. It is found in the control box as pictured below. The power in comes through the side of the tank through a 25mm conduit coupling and will need to be run up through flexible conduit supplied to the power socket. Ensure the conduit is sealed well.



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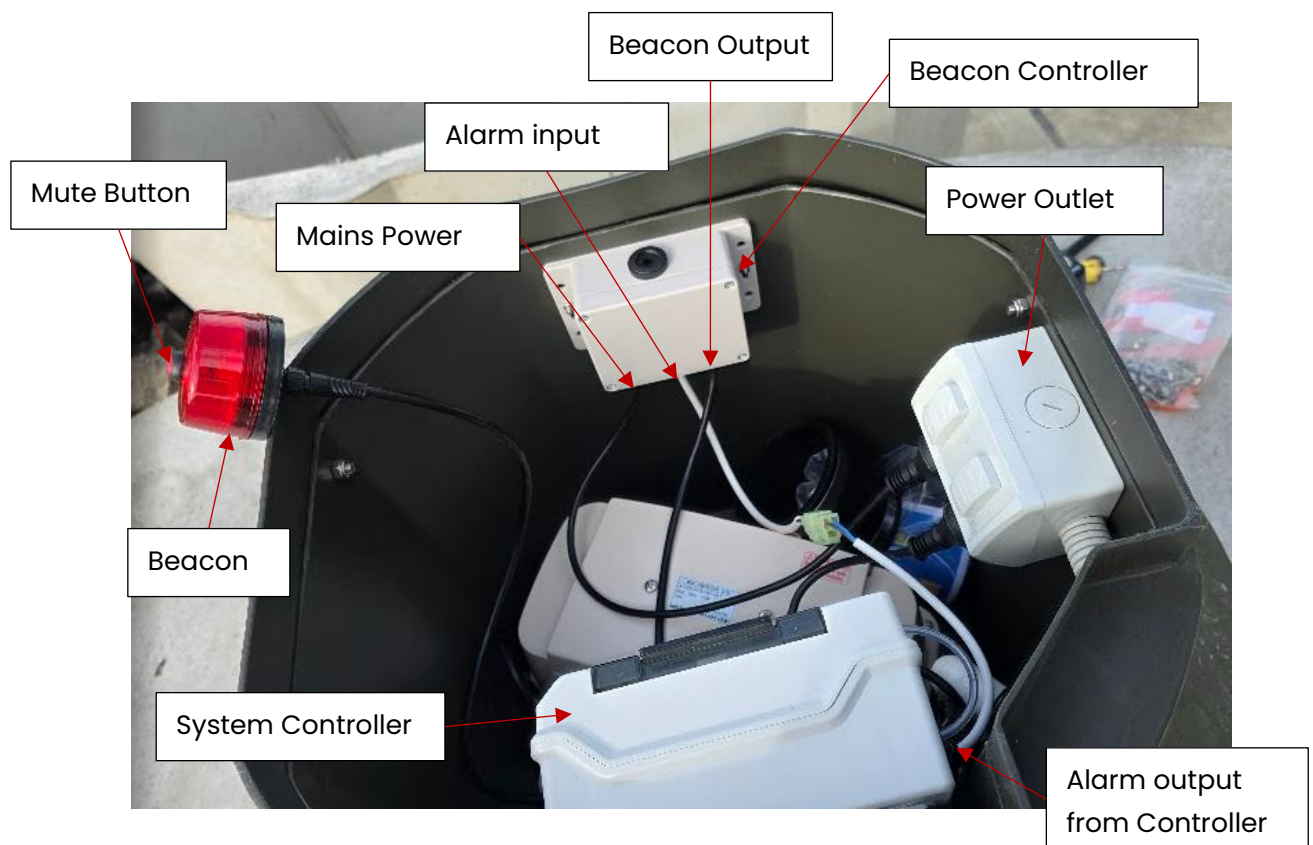
Alarm Wiring

In the system there will be a beacon controller and a Beacon mounted on the lid (Beacon will be in the power box for transport). The controller has a siren, and the beacon provides the visual signal and mute function.

The beacon controller has:

- Power plug to be plugged into the double socket
- Alarm connection to be plugged into the alarm output from the controller
- A beacon connection. Pass this through the lid and connect to the beacon before attaching the beacon to the lid

Note: that this Beacon is an ELV circuit. It has a mute button on top as per AS/NZS 1546.3:2008 s.2.4.11. The Mute will automatically reset after 24hrs.



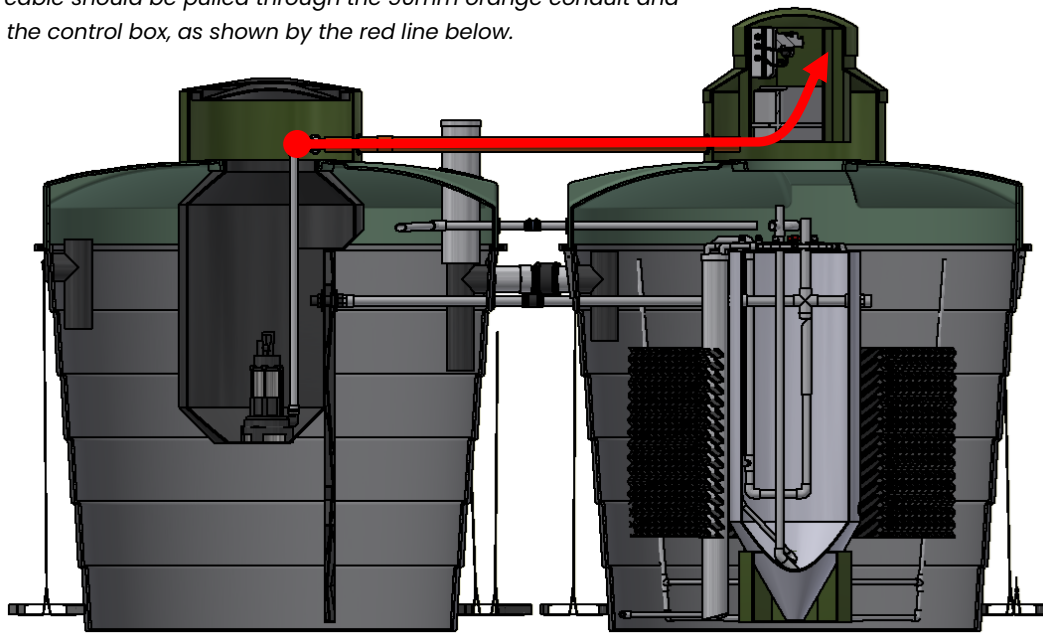
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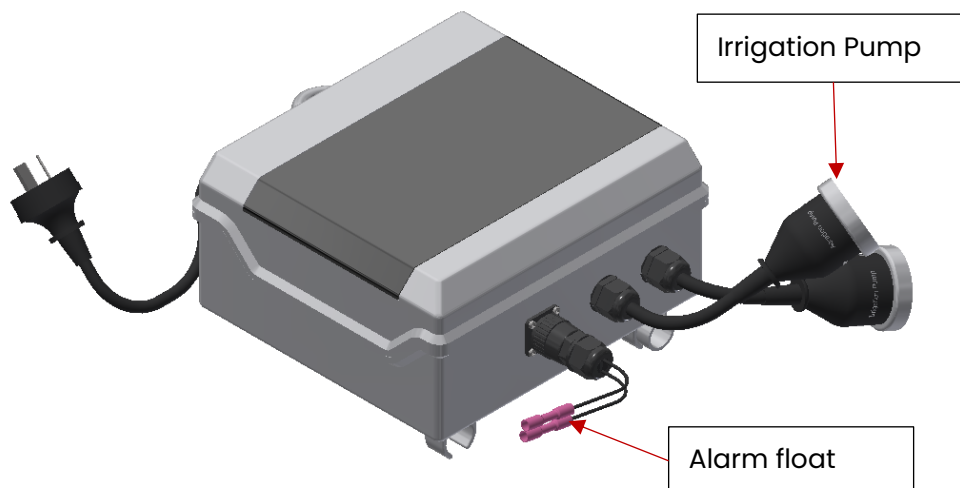
Plastic Systems – extra notes

Plastic Econotreat systems have the pump and high-level float in a separate tank to the one holding the power box. Therefore, the pump and float cords need to be connected to the controller, they should have been fed through to the treatment tank by the installer at the time of installation.

The cable should be pulled through the 50mm orange conduit and into the control box, as shown by the red line below.



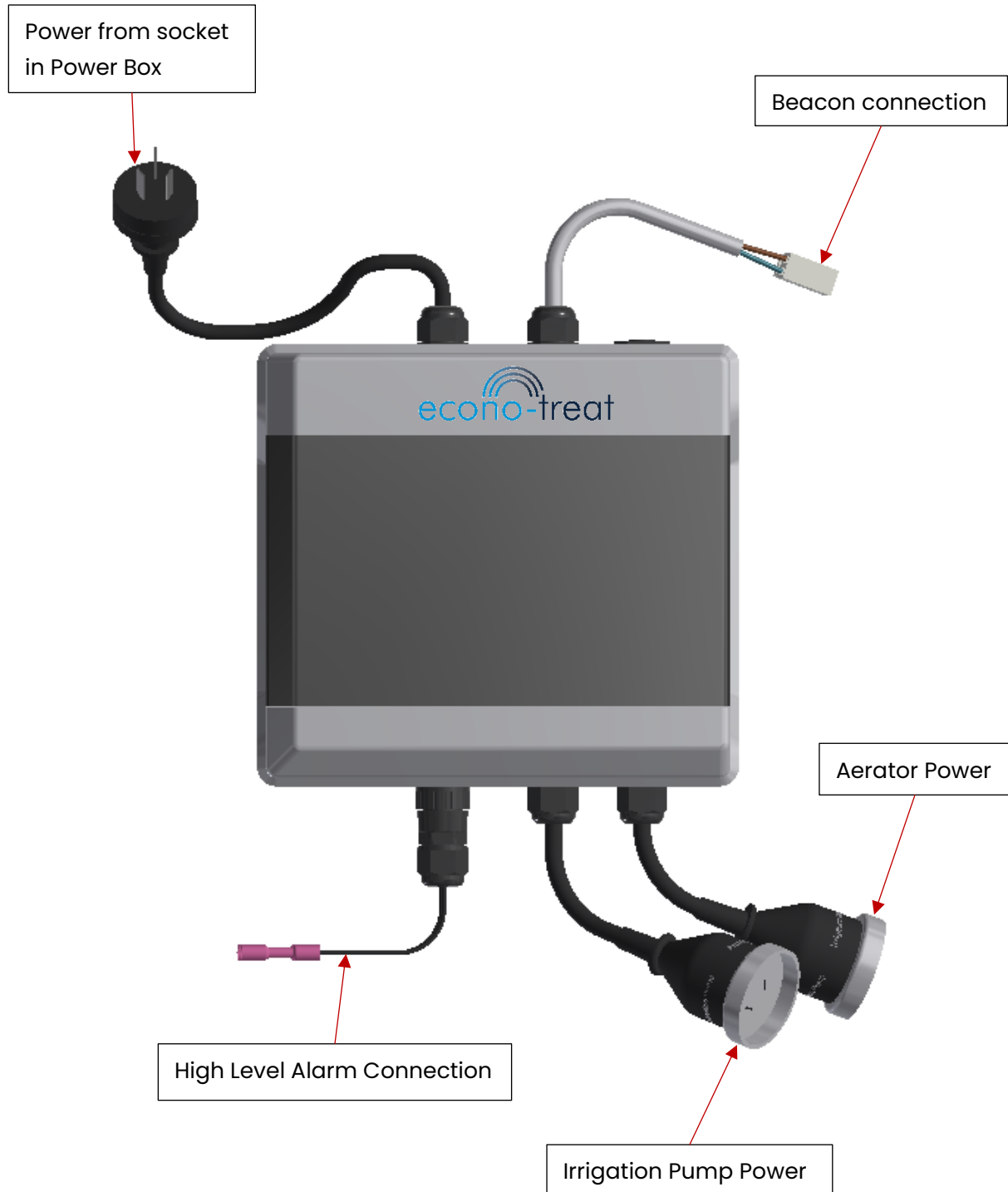
The high-level float plug on the controller is set up with crimps, so you will only need to crimp the float cable to the wires on the controller. The pump is simply plugged in the socket labelled "Irrigation"



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Controller Schematic



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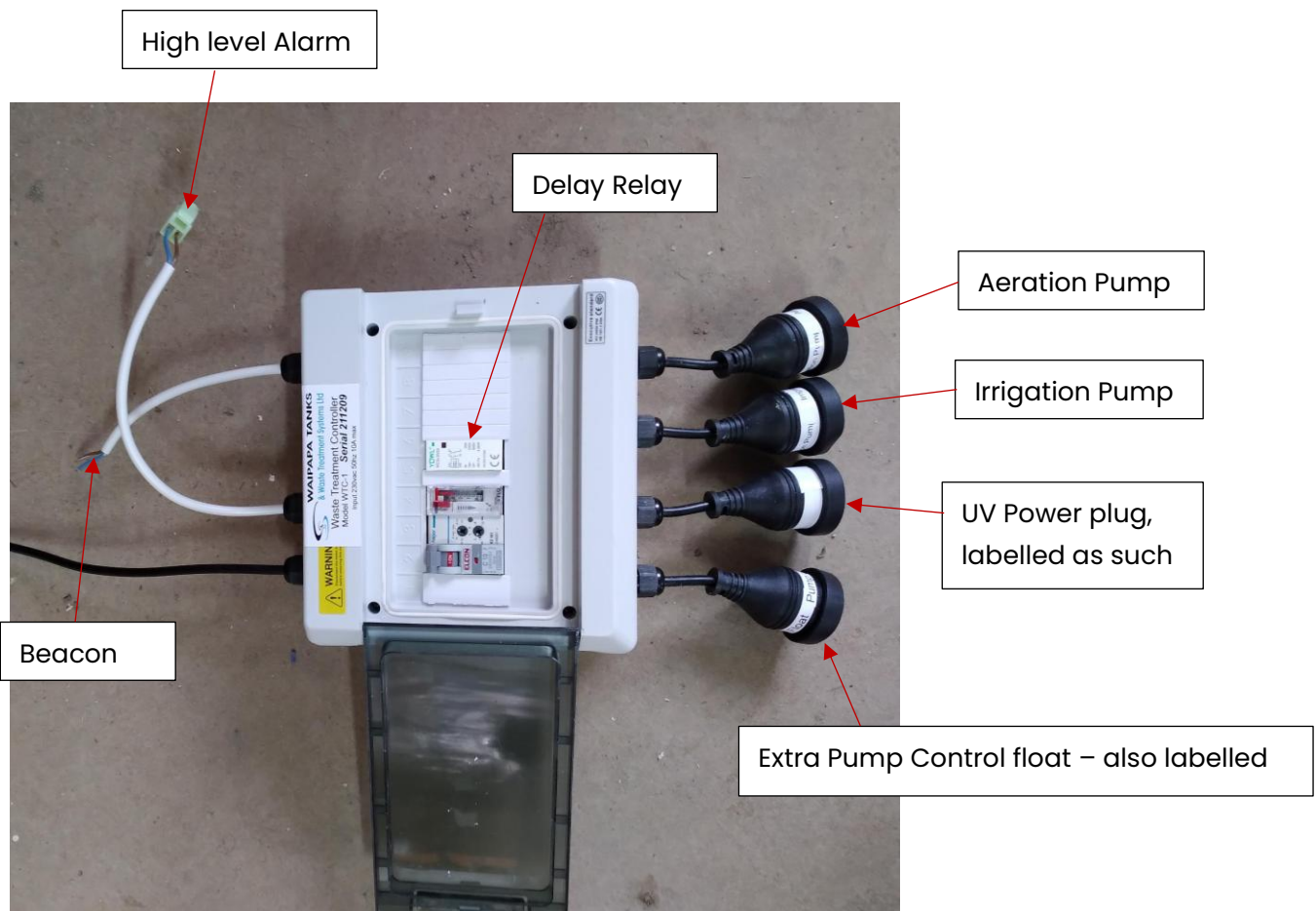
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UV Controller – *only for systems with UV treatment*

Systems with further UV disinfection have a different controller, with extra plugs for the UV control.

In a system with UV, the pump is run off a separate control float rather than the inbuilt float on the pump; the inbuilt float will be tied up in a permanently on position. So, there will be two extra 3-pin plugs on the controller: one for the pump control float and one to power the UV.

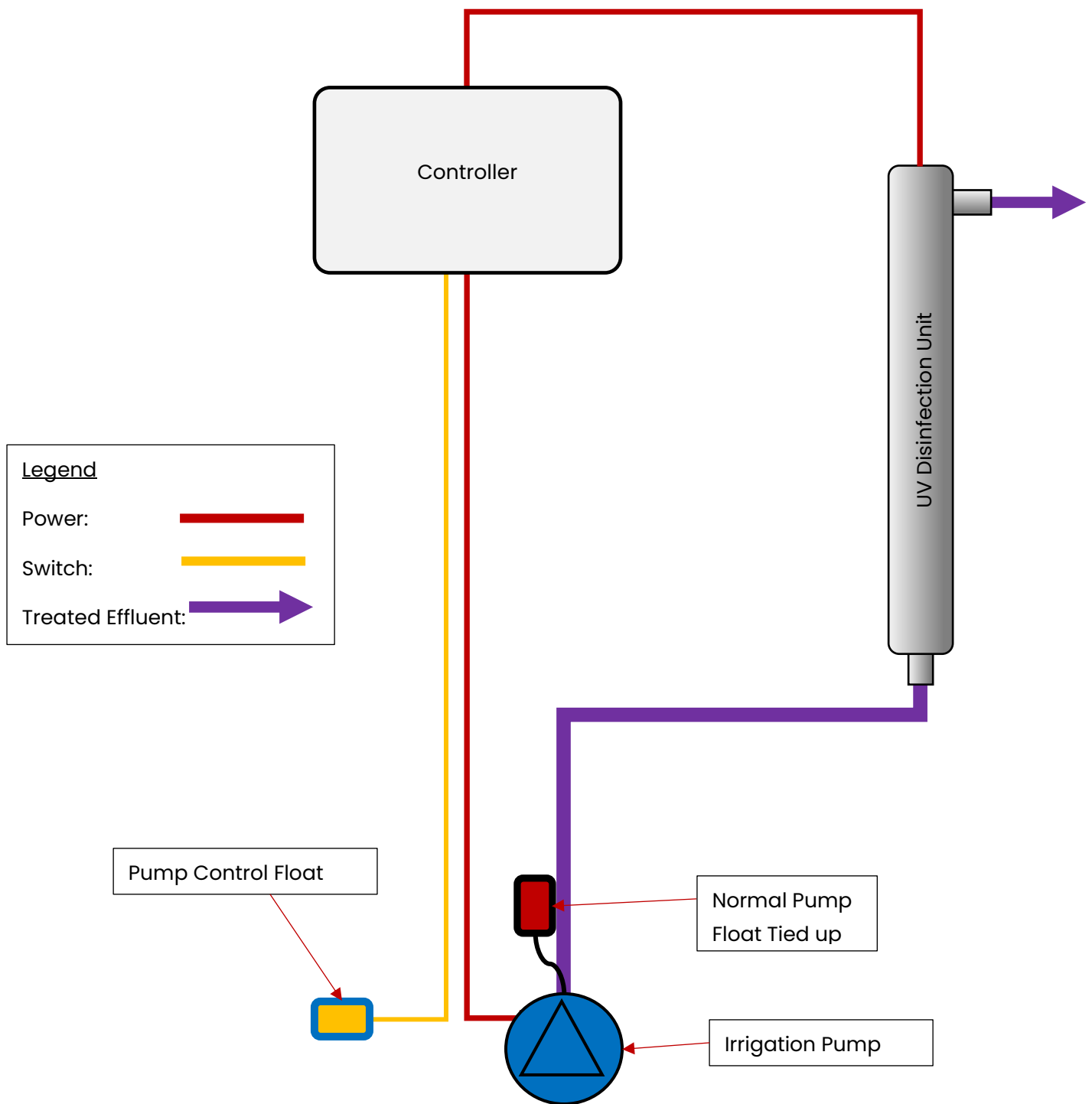
When the pump control float activates, the controller provides power to the UV unit; after a delay of 60 seconds the pump will start, this gives the UV lamp time to heat up before water passes through the cylinder.



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UV Controller Schematic





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