



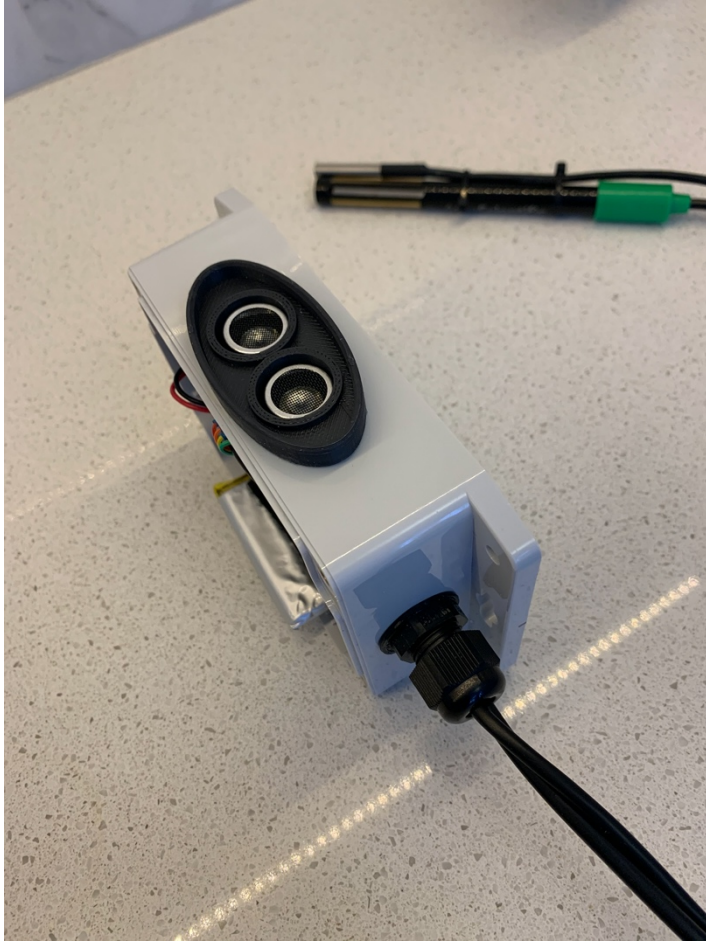
# Water Quality Conductivity Temperature and Level Sensor

Build Guide version 0.1. Warren Davies

Draft for Comment

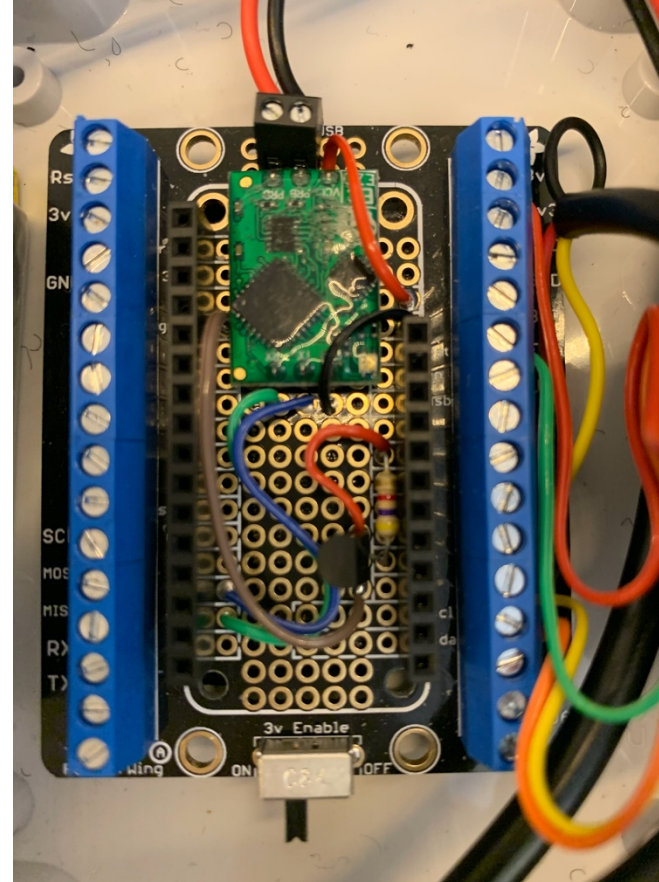
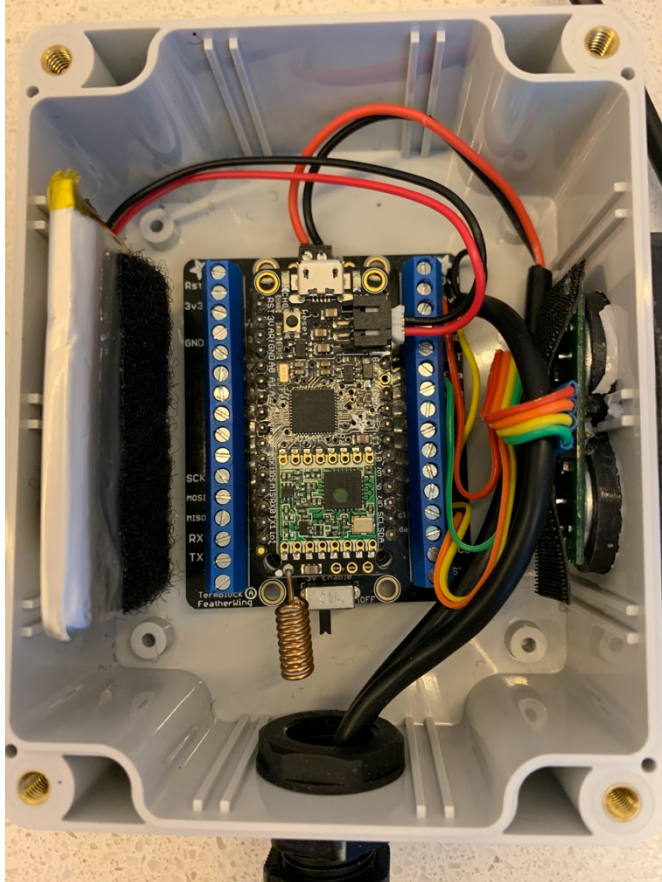
## Ultrasonic Sensor Mount with 3D printed insert.

The insert helps to increase the reliability of the level sensor and protect it from splashes



## Internal Construction.

Velcro is used to mount hardware. This innovation significantly improves serviceability and reduces build time. The ultrasonic is fixed with a small spot of silicon sealant.



The EC sensor evo controller is connected by serial to the via blue and brown wires shown.

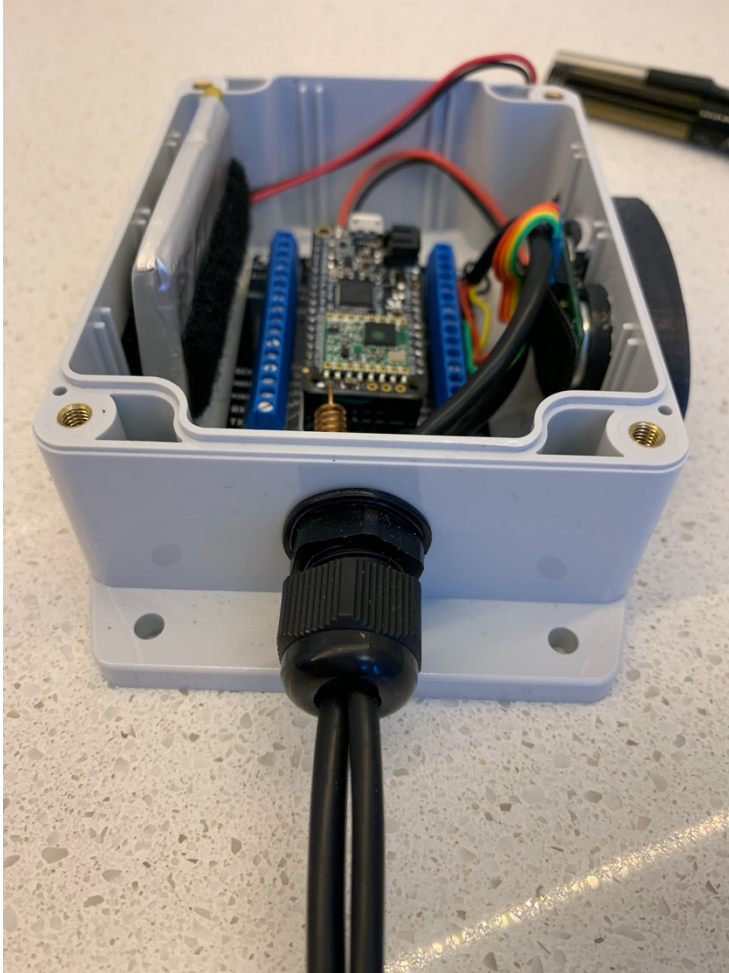
The internal digital thermometer is shown powered by a digital pin and 4.7k pullup resistor .

Check out the sensor code file for pin-out definitions.



## Sensor Tether Cable Construction.

Use water proof gland to attach the sensor tether cable.



The EC sensor and waterproof digital thermometer are tied together.

The sensor tether cable should be 3-4 metres in length and 6 core flex.

See the included DS18B20 guide and sensor code for to connect the temp sensor.