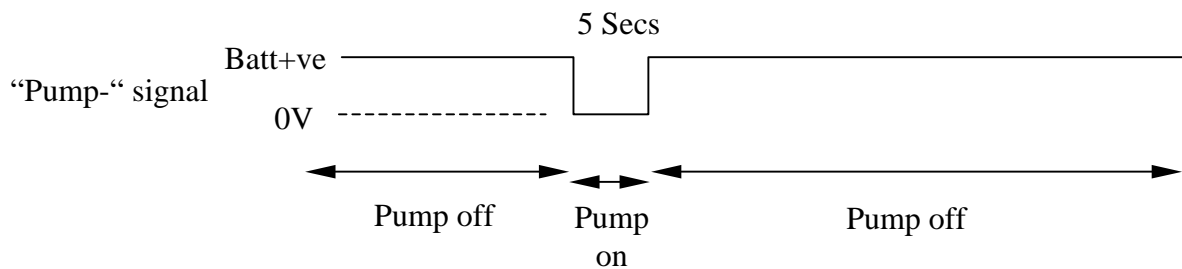


## Frequently Asked Questions #E2

**Question :** How could I monitor the pump operation in a Trident HS30 Hydrostatic Level Sensor ?

**Answer :**

The pump in the HS30 is operated by switching the Battery -ve to the "Pump-" signal. So when the "Pump-" signal goes to 0V the pump will be on, and when the pump is off the "Pump-" signal will rise up to the Battery +ve voltage.



Most Data Loggers would have 12V tolerant digital inputs, so it is just a simple matter of connecting the "Pump-" signal directly to the digital input of the data logger. Make sure that the Data Logger has the same 0V potential as the HS30 – in most cases it would operate from the same battery anyway. (You may wish to add a 470R series resistor if you are concerned about protection.)

