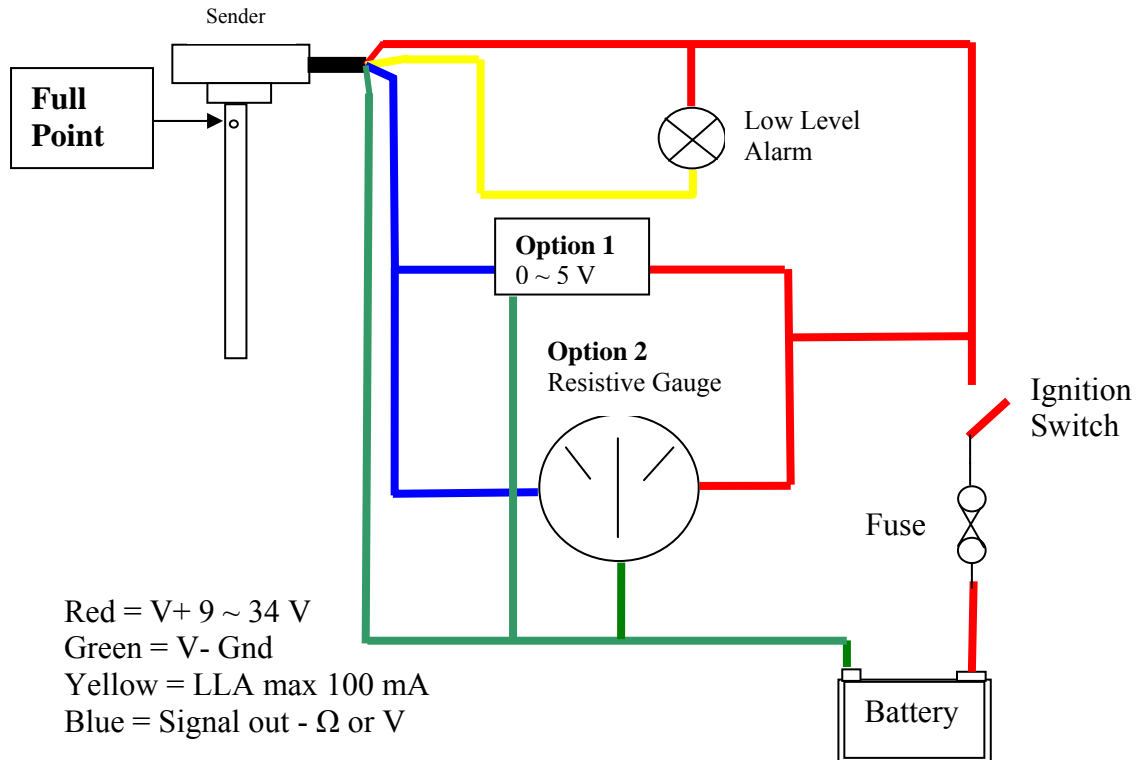




## Connections and Instructions for use of the T/LL14X Capacitance Fuel Level Sender

Date: 02 September 2009



### CUT TO LENGTH PROCEDURE

1. Measure from the underside of the header and mark the required length on the stainless steel probe.
2. Using a tube cutter, cut the outer tube at the required length



- Using a pair of snips cut the inner probe level with the outer tube



- If a pipe cutter is not available, use a fine TPI hacksaw and slowly cut through the outer tube and inner probe making sure that the inner probe is perpendicular to the saw cut.
- If possible, smear epoxy resin over the end of the inner Probe where the saw cut exposes the copper(NB: *do not allow resin to form a bridge between the outer tube and the inner probe*)
- Before fitting to the tank, Connect the sensor to the wiring harness with a gauge attached to the signal output such the sender output can be observed. Switch on the power supply and wait for 1 minute and 30 seconds. This allows the electronics to determine the signal value for the new, shorter length of probe and set that value into the memory ~ the output should now read empty. After the 1 minute and 30 seconds has elapsed, switch off the power supply
- Immerse the probe in to a full tank of Fuel (such that fuel level reaches the full point marked on diagram above). Again, the signal output should be attached to a gauge such that the sender output can be observed.



- Switch on the power supply. After 30 seconds the output reading will automatically calibrate to read full. Check that the gauge indicates a full reading then, slowly withdraw the probe from the fuel and observe the gauge to check that the indicated level diminishes.
- Sensor is now calibrated to the new length and the dielectric constant of the liquid used.