

Parallel Connection Of An 8-Tank Display Panel & A SOLO Display Panel To A Single Tank Sensor.

It is sometimes desirable to hook up a single tank sensor to a pair of display panels. For example you might want an 8-tank display panel monitoring all tanks from a central location and a SOLO tank monitor at point-of-use (i.e. To display the waste tank level in the head). This paper explains how to make these parallel connections.

Familiarize yourself with the owners manuals for the display panels and sensors you are using and follow the instructions in these manuals to install each display and make both power connections. Next attach the sensor's blue wire to the SOLO display blue wire AND to the appropriate "SEN" terminal on the 8-tank display. Now attach the sensor's red wire to the SOLO display white wire AND to the appropriate "PWR" terminal on the 8-tank display. Finally, attach the black sensor wire to both the black SOLO display wire and to the "GND" terminal on the 8-tank display. All of these ground wires should also be attached to a good low-impedance ground on the boats electrical system. See figure 1 below for details of these parallel connections.

Once all wiring is complete you will need to calibrate each display panel for both empty and full. Refer to the detailed instructions in each display panels owners manuals for calibration instructions. Note: empty and full calibration will need to be done for EACH display panel--calibration on one panel does NOT calibrate the other attached display.

Note: the figure below depicts connection to a external foil-style sensor, but this attachment method is applicable to any compatible sensor type.

