

Legacy/Profile 8-Tank Hookup to an Existing Needle Gauge/ Float Sensor Setup.

This sheet covers the hookup of a Legacy or Profile 8-Tank display panel to an existing needle gauge/float sensor setup.

To perform this task you will need to have on hand a pair of 10k resistors (which are available at your local Radio Shack or directly from us), 18AWG stranded wire, electrical tape, a means to splice wires (i.e. butt-connectors, IDC connectors, solder, etc...) and a few common hand tools (wire cutter/stripper, screwdriver, etc...).

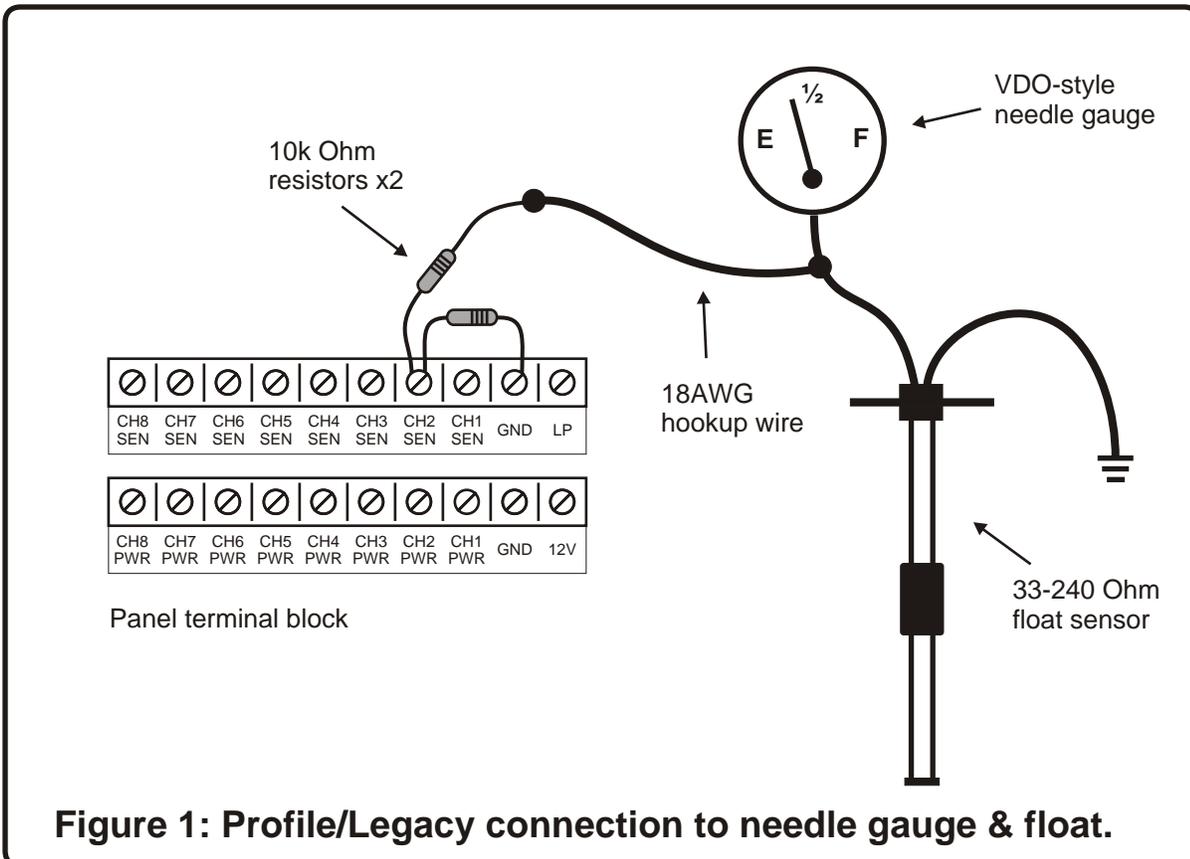
First, attach one of the 10k resistors between the ground terminal and SEN terminal of the channel which is to monitor the float sensor. Next, attach one lead of the second 10k resistor to the same SEN terminal as the first; for the moment leave the other lead of the resistor unattached to anything.

Now splice your 18AWG wire to the wire attaching the 33-240 Ohm float sensor to the needle gauge. Take care not to damage this wire when making the connection. Next, route this wire back to the panel location and attach its loose end to the unattached resistor lead. Use the electrical tape to cover any bare conductors which might short out.

Figure 1 below shows these electrical connections made on sensor channel 2.

Now set the sensor channel parameters using the sensor channel setup menu making sure to select the sensor type as "FLOAT." You will also have to calibrate this sensor channel for both empty and full tank conditions. Refer to your display panels owners manual for detailed software setup and calibration instructions.

Note: re-entering the setup menu for this sensor channel after it setup and calibration are already finished will re-set the default calibration values for it and you will have to re-calibrate it for empty and full for accurate readings.



Needle Gauge/Float Hookup