

# Wiring Information for Ultra 8 Monitoring Systems

\*Note: The wiring **between** the pigtail harness on the Ultra 8 and the wiring at the sensors was selected by the installer and therefore may not be the same colors as listed here. This wiring list is the colors coming out of the wiring pigtail harness on the Ultra 8 Panel (not valid for Hunter Boats). If you have a Hunter Boat, they selected their own colors for the harness. Please see our tech support page to get the wiring information for those.

The diagram below is for a monitor panel that is monitoring all 8 tank options. If you have less, then the wires coming out of your harness will match what you are monitoring. For example, if you are only monitoring 3 tanks, then your harness will have only 8 wires (2 for each tank with Power and Ground).

If you are not sure which tank is set-up as Tank 1, 2, 3 etc., turn your panel on; the first tank that comes up is Tank 1 (or Channel 1). By pressing the “UP” arrow, you will get to Tank 2 (or Channel 2). Pressing the “UP” arrow again will tank you to Tank 3, etc. If you scroll through the tanks using the “DOWN” arrow, you will see them in reverse order.



Wires colors coming from the sensor (unless you have a Hunter Boat) are:

**Red:** This is the voltage sent down from the Panel to the sensor (on the Ultra 8 is should be about 10 volts)

**Blue:** This is the voltage sent back to the panel from the sensor (this signal will vary between 0-5 volts with full usually being somewhere around 3)

**Black:** This is the ground wire (all tanks can be connected together and grounded if needed)

- Note on sensors – voltage can only be read at the sensor when voltage is being sent down to the sensor from the panel or other source. On the Ultra 8, you can send a pulsing voltage down to the sensor by putting it into the calibration mode for that specific tank. You can get more in-depth testing procedures on our web site at [www.tankedge.com](http://www.tankedge.com) in the tech support section.