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Supplement to the iSeries Manual for Resistive Sensors that have the Low Ohm setting for Full and the High Ohm setting for Empty

Software Version 2525-6x2-2

If you have a resistive sensor (i.e., WEMA float sensor or other type) that has the Low Ohm setting for the Full Level and the High Ohm setting for empty (i.e., 0-240 ohm where 0 is Full and 240 is empty), our new software can now accommodate up to 2 of those sensors on the iSeries panel using inverted calibration. If you have a resistive sensor that has the Low ohm setting for Empty and the High ohm setting for full, then just use the regular calibration instructions in the manual.

Below are the additional instructions on calibration for these sensors:

Resistive sensors can only be hooked into either the Tank 7 or Tank 8 locations on the iSeries

When you are in the calibration mode for either of the above tanks (see your main manual for the instructions on how to get into calibration mode) you will select the tank you have hooked this sensor into (Tank 7 or 8).

After you have selected the tank, you will have the option come up to select the calibration method. When you are on the Empty/Full screen, press the "▲" and "▼" arrows at **exactly** the same time and hold. If when pressing, it starts scrolling through the options, it was not pressed at **exactly** the same time; try again. After you hold them for 10 seconds, it will beep. We made it harder to get into this option as well as having such a long hold time so that the standard installer would not accidently invert their values.

A screen will then come up saying **"Invert Empty/Full Values?"** for 5 seconds.

Then it will say "**Values should be inverted – OK/Yes or Menu/No**". Press "OK" to invert your calibration values here – This will now require that the Low number be your Full setting and the High Number be empty.

After you press OK it will then say **"Inverting"** for 5 seconds and then return you to the Calibration Option Screen. You will also, at this point, have an "I" in front of your tank name stating that the values on this tank are now Inverted.

Here, you will select the calibration option you want. Your available listed options are Empty/Full, 25% or Manual. You **will not** be able to select the 25% option on inverted value sensors and will get an error if you try to select that option.

If you do not know the high and low ohm settings, you will select the Empty/Full Value and use the method in the manual for calibrating. If you do know the Low and High Ohm settings (i.e. 0 for full and 240 for empty) then you can manually put those in using the Manual option. Follow the instructions in the manual for this method as well. It will get you very close on your calibration. If it is off a bit when you fill or empty the tanks, you can reset those numbers at that point in time.

On the Enable Tanks screen in the set-up menu, you can quickly see if there are any errors to your calibration.

If you have something other than a "Y" or "N" on Enable Tanks screen under a certain tank, this is what it means: "I" = Inverted Tank, "O" = Error - Inverted Tank with Low calibration number for Empty and High Calibration number for Full (should be opposite on inverted tanks only), "R" = Error - Empty Number is Greater than Full on regular calibration, "%" = Error - 25% calibration numbers are not sequential.

If you have any questions, you are welcome to call our tech-support department at the above number.

iSeries
Tank Systems Monitor