

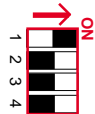
## Now what do I do?

“ I’ve pushed every button, changed every possible setting, checked the bubbler for air leaks .... and the darn thing still doesn’t work right! ”

Hints and suggestions before you call the service techs or pound on LiquaVision®



Before you do anything else, open the enclosure and put LiquaVision® in Program Mode: DIP switch 1 ON; all others OFF. Press SELECT on the face to see **RANG** on the display. Does the number in RANG match the range printed on the transducer? It has to be the same.



**Setting the transducer range** is very straight forward, and critical to reliable operation. **RANG** is decided by the transducer manufacturer at the time they make the unit. It is the sensitivity or responsiveness of the device and is printed on the transducer. Some ranges are PSI; some inches of water or Hg. If it is in PSI, you’ll have to convert the psi to inches: (psi) x (27.7 inches) = Inches

**ERR 3 is flashing** on the display. This could be simple to fix, or not so simple.

- The first thing to do is reboot LiquaVision® by disconnecting and reconnecting the three-pin Phoenix power input connector. If the sensor leads have been accidentally shorted, the built-in 4-20 mA protection circuit can be reset by rebooting.
- Check that liquid is covering the transducer sensor or bubbler pipe. **ERR 3** also means that there is not at least 3.98 mA of current getting to LiquaVision®.
- The sensor may have died. If you have a 4-20 mA simulator available, you can connect it to force a signal and check to see if **ERR 3** goes away. Hook your simulator POSITIVE (+) lead to terminal #2 GROUND, and NEGATIVE (-) to terminal #4 4-20 mA Input.

**What are these V ^ things?** If the sensor is giving you just under or just over 4 or 20 mA, the up or down character appears, telling you the sensor is OK, but either needs adjustment or doesn’t have liquid covering the stand pipe.

Actual Liquid Level



Under 4.0 mA signal but not an open wire

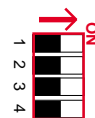
Actual Liquid Level



Over 20.0 mA signal but not an open wire

**Adjusting the display** to show the actual level you measured in the tank. After you have verified all of the above, you can now fine tune the actual display on LiquaVision®. If you measure 45 inches and the display says you have 43, this is what you do. Hit SELECT three times, or until you see **OFST** and then **L000**. Increase it by two inches, and hit ESC. Now it should read 45. Keep adjusting **OFST** until it matches your actual measurements.

**Put LiquaVision® back into View Mode** after the calibration and checking is finished,



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