Calibrating Salt Reading

If a new unit is received and is reading either high or low salt when in fact the salt in the pool/spa is between the recommended range of 3000-4000 PPM, it normally requires the salt table to be re-calibrated.

The following is a step by step of how to calibrate the salt reading.

1. Power Off the unit at the power source.

2. Take out the 6 screws in the rear of the metal die cast

3. Once the screws are removed place the unit in the following position

4. To enter the salt calibration mode. You need to activate it via the LCD PCB button, highlighted below (this is only for the new LCD)

5. For the older style LCD PCB the red or gray button above is not a button but a metal pin. In order to enter the calibration mode you need to ground a wire to the metal casting and tap the metal pin on the LCD PCB. Make sure the power is OFF when grounding.

6. IMPORTANT: Make sure that the ribbon cable is secured to both the LCD PCB and Main PCB and power the unit ON. Push the button (or tap the pin with the grounded wire) to enter the salt calibration mode for whichever polarity the unit is currently set on. You will see a + or – with a number in the top right hand corner of the LCD. The following photos shows what will be seen.

7. To change the setting you use the left and right output buttons

++ If the salt content is reading high. Then you need to push the right arrow ++
++If the salt content is reading low. Then you need to push the left arrow ++
Calibration should be set at the following:
CPS C08: Polarity 1 + 16
Polarity 2 + 15
CPS C16: Polarity 1 + 16
Polarity 2 + 15
CPS C24: Polarity 1 + 20
Polarity 2 + 16
CPS C36: Polarity 1 + 33
Polarity 2 + 32
CPS C48: Polarity 1 + 6
Polarity 2 + 5

8. You will now need to switch polarity to calibrate the opposite polarity. To switch polarity, hold down the "Up Arrow" for 3 to 5 seconds and then release. You will notice the polarity light at the bottom of the keypad change to the other polarity light. The "Up Arrow" button is located directly above the "Select" button on the keypad. Repeat Step 7.

9. Once this is done switch the unit off and restart the system.