Statim Rev. 7 PCB Water Conductivity Circuit Calibration

1. Disconnect conductivity sensor wires (J4-3 & J4-4).
2. Using a wire, short together the float pins (J4-5 & J4-6).
3. Turn power switch ON while holding down Unwrapped and Wrapped buttons to enter **Service Mode.**
4. The **Service Mode** is password protected, enter password to continue, default password is: Unwrapped, Wrapped, Rubber and Plastics and Stop buttons pressed in this order. If password has been changed backdoor password is: Unwrapped, Wrapped, Unwrapped and Wrapped buttons pressed in this order.

Keypad function at this time:

Unwrapped Key:	Select next item in the menu
Wrapped Key:	Select previous item in the menu
Rubber and Plastics Key:	Enter current selection

5. Toggle through the menu selections using the keypad to reach **Conductivity Setup** and press the Rubber and Plastics key.
6. Display should be similar to the example below.

CD=xx.xuS/NNN/y.yppm
L=LL.L H=HH.H G=G.GG

Screen Representation

xx.x	Water conductivity in uS.
NNN	Conductivity measurement in ADC (Analog to Digital) counts (0…255)
y.y	Water conductivity in ppm (parts per million).
LL.L	Lower value threshold in uS (No water threshold), default 0.3uS
HH.H	High valve threshold (Bad water threshold), default 10uS Values larger than this trigger “Water Quality is Not Acceptable) error.
G.GG	Water conductivity circuit gain, default 1.00

Note: Distilled water readings should be between low and high thresholds.

7. Check/adjust low and high threshold values to the default ones.
8. By pressing the Rubber and Plastics Key the selection moves between LO, HI and G.
9. Select “G” Water conductivity circuit gain (flashing value on the display), by pressing the Rubber and Plastics Key.
10. Adjust G.GG value so the conductivity in ADC counts (NNN) shows 186±1 count.
11. Press Stop Key to exit the Water conductivity mode and save displayed thresholds “HH.H”, “LL.L” and “G.GG” and enter normal mode of operation, “Select a Cycle” screen.

Keypad functions in Conductivity Setup screen:

Unwrapped Key:	Increase current field (the flashing value on the display)
Wrapped Key:	Decrease current field (the flashing value on the display)
Rubber and Plastics Key:	Move to next field.