WARNING. DO NOT MAKE WRONG CONNECTIONS RESULTING TO PERMANENT FAILURE OF THE UNIT.

**\*\*Model A1003v1\*\***

Red Wire: +5v to +12v

Blue Wire: GND

White Wire: Output

Power: 5vdc from Arduino or 12v

Power LED will indicate power on.

Output: 0-5vdc or 0-3.3v. User adjustable.

Range: 0-5000 microS/cm or 0-3200ppm

Unit has error range of +/- 2% from full scale.

Sensor: Inline or submersible.

Cable: 3 wire 24” cable to connect to Arduino.

**Calibration:**

Model A1003v1 designed for continuous monitoring. Calibration can be done with known conductivity solutions or if you know what water EC should be. Insert sensor into the water and give few minutes to adjust itself to the temperature. Turn Calibration trim pot with small flat screwdriver to desired value.

For best performance, calibrate close to control point (Example. If you are trying to control range of 2000 microS/cm, Use calibration solution of 2000 microS/cm).

**Output:**

Model A1003v1 provides 0-5vdc for micro controllers or PLCs.

Verify output readings vith voltmeter. Example for 0-5000 microS/cm, output voltage is:

EC1 ---- 1000microS/cm – 1.0v

EC2 ---- 2000microS/cm – 2.0vdc

EC3 ---- 3000microS/cm – 3.0vdc

EC4 ---- 4000microS/cm – 4.0vdc

EC5 ---- 5000microS/cm – 4.5vdc. Will read full 5000 microS/cm if power is above 5vdc.