

# AquaPure® and PureLink™ Tri-Sensor Adapter Installation Kit

## ⚠ WARNING

**FOR YOUR SAFETY** - This product must be installed and serviced by a contractor who is licensed and qualified in pool equipment by the jurisdiction in which the product will be installed where such state or local requirements exists. In the event no such state or local requirement exists, the maintainer must be a professional with sufficient experience in pool equipment installation and maintenance so that all of the instructions in this manual can be followed exactly. Before installing this product, read and follow all warning notices and instructions that accompany this product. Failure to follow warning notices and instructions may result in property damage, personal injury, or death. Improper installation and/or operation will void the warranty. Improper installation and/or operation can create unwanted electrical hazard which can cause serious injury, property damage, or death.

**These instructions are to be used with the following Replacement Kits:**

**R0537600 -- AquaPure and PureLink Tri-Sensor Adapter Installation Kit**

## ⚠ WARNING

If the information in these instructions is not followed exactly, a fire or explosion may result causing property damage, personal injury or death.

This document gives instructions for installing the Tri-Sensor Adapter on an AquaPure or PureLink systems.

These instructions were written with safety as the priority and must be followed exactly. Not following the written procedure or taking shortcuts may increase the risk of personal injury. ***Read through the instructions completely before starting the procedure.***

Before starting the procedure, use the parts lists at the back of these instructions to identify the parts that are in your kit.

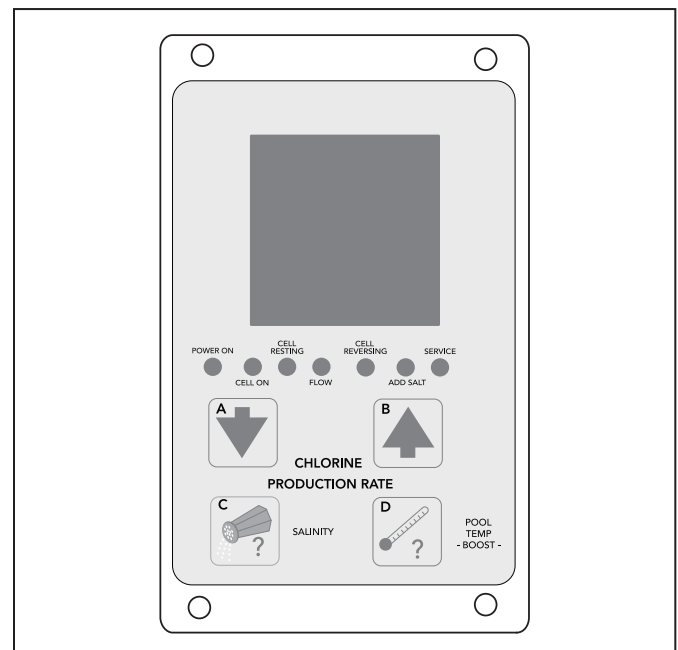
If any parts are missing from the kit, please call your local Zodiac distributor for assistance. For technical assistance, please contact our Technical Support Department at 1.800.822.7933.

### A. Check AquaPure/PureLink Firmware

If the chlorine generator power interface board firmware is 02110A10, remove the jumper from the tri-sensor adapter, see Figure 5. All other chlorine generator power interface board firmwares and AKC13 front boards require the jumper.

Verify the chlorine generator power interface board firmware.

1. On the AquaPure user interface, press "C" Salinity, "A" Down and "B" Up buttons at the same time. The first four sets of two digits shown on the AquaPure interface is the firmware revision. See Figure 1.
2. Press "D" to resume normal operation.



**Figure 1. AquaPure User Interface**

## B. Installation of Tri-Sensor Adapter on a Chlorine Generator Power Interface Board

### **! WARNING SHOCK HAZARD**

Turn off all switches and the main breaker in the pool/spa electrical circuit before starting the installation or replacement procedure. Failure to comply may cause a shock hazard resulting in severe personal injury or death.

All wiring must be done in accordance with the National Electric Code (NEC), NFPA-70. In Canada, the Canadian Electrical Code (CEC), CSA C22.1, must be followed. All applicable local installation codes and regulations must be followed.

1. Turn OFF power to AquaPure/PureLink systems and circulation pump.
2. Open the door to the power center and access the chlorine generator power interface board. See Figure 2.
3. Disconnect the tri-sensor cable 8-pin connector from the chlorine generator power interface board.
4. Connect the tri-sensor cable 8-pin connector into the 8-pin male connector on the tri-sensor adapter. See Figure 3.

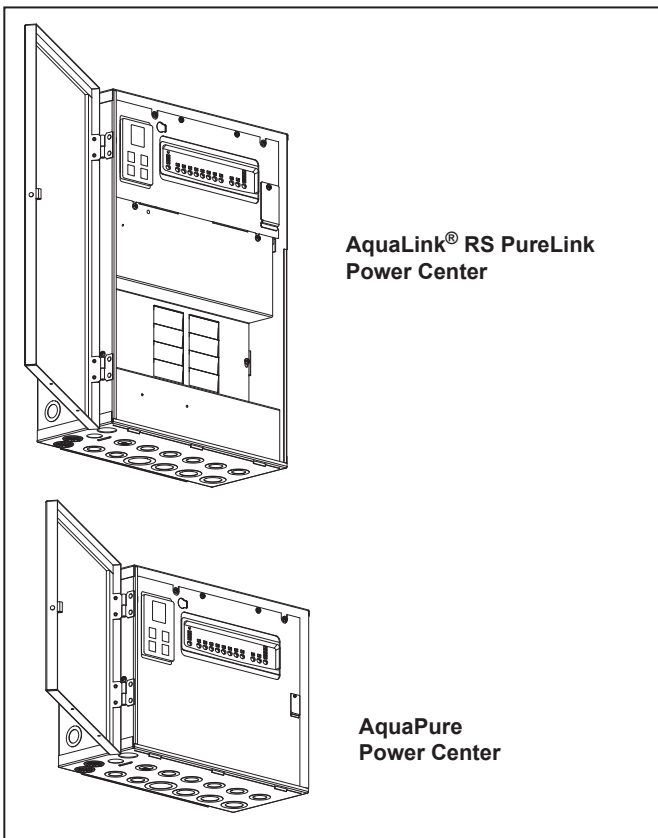


Figure 2. AquaLink RS PureLink and AquaPure Power Center

5. Connect the tri-sensor adapter 8-pin female connector into the tri-sensor connector on the chlorine generator power interface board. See Figure 3.
6. Turn ON power to the AquaPure/PureLink systems and circulation pump.

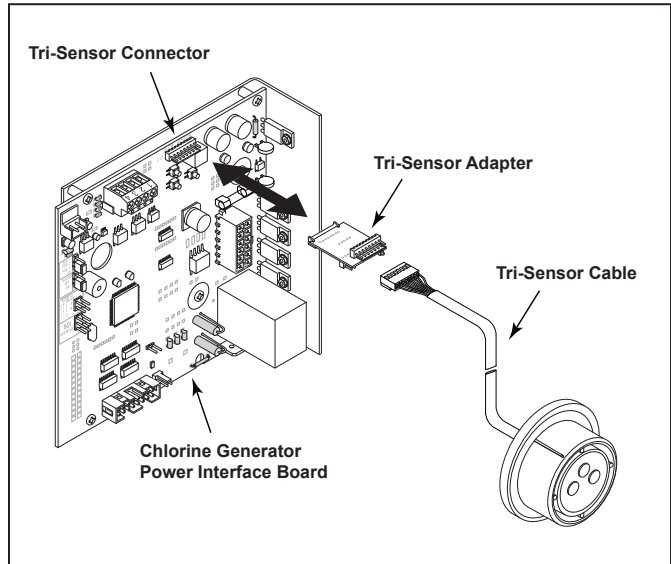


Figure 3. Installation of the Tri-Sensor Adapter on a Chlorine Generator Power Interface Board

## C. Installation of Tri-Sensor Adapter on an AKC13 Front Board

### **! WARNING SHOCK HAZARD**

Turn off all switches and the main breaker in the pool/spa electrical circuit before starting the installation or replacement procedure. Failure to comply may cause a shock hazard resulting in severe personal injury or death.

All wiring must be done in accordance with the National Electric Code (NEC), NFPA-70. In Canada, the Canadian Electrical Code (CEC), CSA C22.1, must be followed. All applicable local installation codes and regulations must be followed.

1. Turn OFF power to AquaPure/PureLink systems and circulation pump.
2. Open the door to the power center and access the AKC13 front board.
3. Disconnect the tri-sensor cable 8-pin connector from the AKC13 front board.

#### 4. For PureLink systems only:

For all PureLink systems with AKC13 front board, an additional cable assembly part number R0538600 is required due to the limited space between the AKC13 front board and the power center.

### ⚠ CAUTION

Do not attempt to force the installation of the tri-sensor adapter directly into the AKC13 front board. The cable assembly P/N R0538600 must be used for proper operation and to avoid damaged to the tri-sensor board.

- a. Connect the cable assembly P/N R0538600 to the tri-sensor adapter and the tri-sensor connector of the AKC13 front board. See Figure 4.
- b. Connect the tri-sensor cable 8-pin connector into the 8-pin male connector on the tri-sensor adapter.

#### 5. For other systems:

- a. Connect the tri-sensor cable 8-pin connector into the 8-pin male connector on the tri-sensor adapter.
- b. Connect the 8-pin female connector of sensor adapter into the tri-sensor connector on the AKC13 front board.

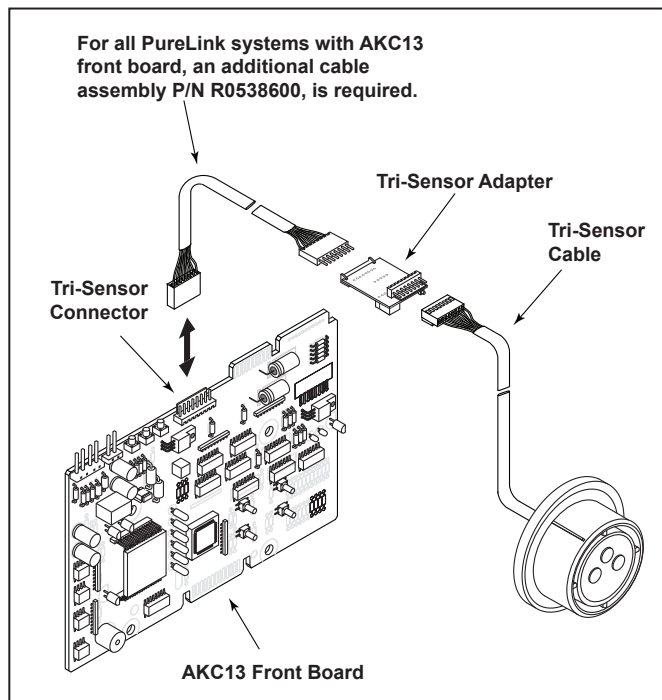


Figure 4. Installation of the Tri-Sensor Adapter on an AKC13 Front Board

7. Turn ON power to the AquaPure/PureLink systems and circulation pump.

### D. Calibrate the Tri-Sensor Adapter

When installing a tri-sensor adapter to an existing AquaPure/PureLink systems or when replacing an existing tri-sensor adapter, the tri-sensor adapter must be calibrated as follows:

1. Install the tri-sensor adapter as explained in Sections A and B of this document.
2. Make sure to turn ON power to AquaPure/PureLink systems and circulation pump.
3. Wait a minimum of four (4) minutes to stabilize the temperature readings of the tri-sensor.
4. On the tri-sensor adapter, press and hold the calibration button for five seconds until the "Flow" indicator is illuminated. See Figure 5.
5. The sensor is now properly installed.

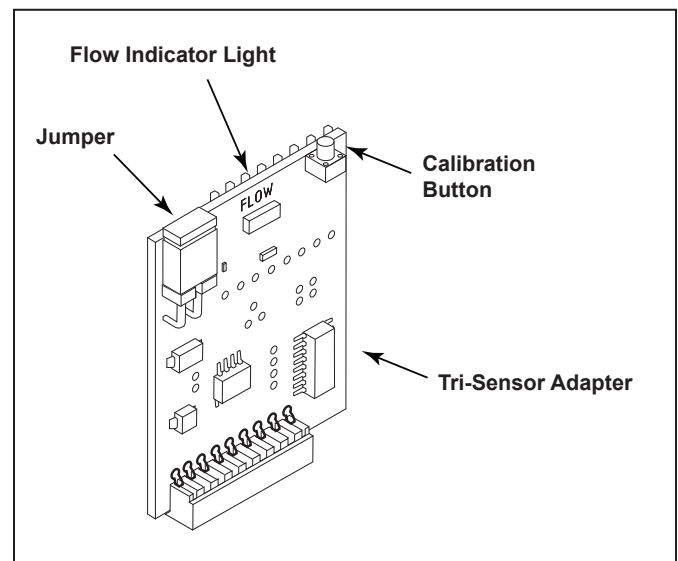


Figure 5. Components of the Tri-Sensor Adapter

## E. Components of the Installation Kit, P/N R0537600

The following table is for your reference. To order additional parts, please contact your local Zodiac distributor.

	DESCRIPTION	QTY
1	Tri-Sensor Adapter	1
2	Installation Kit Instructions	1

**Zodiac Pool Systems, Inc.**  
2620 Commerce Way, Vista, CA 92081  
1.800.822.7933 | [www.ZodiacPoolSystems.com](http://www.ZodiacPoolSystems.com)

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