Zurn P6900-B-L

Zurn P6900-B-L AquaSense Electronics Module with Solenoid Instruction Manual

Model: P6900-B-L | Brand: Zurn

1. INTRODUCTION

The Zurn P6900-B-L AquaSense Electronics Module with Solenoid is a replacement component designed for Zurn AquaSense sensor faucets, specifically models Z6912, Z6913, Z6915, and Z6920. This module integrates the solenoid valve, battery pack, and the necessary wiring to connect to the faucet's infrared proximity sensor, enabling hands-free operation. This manual provides instructions for proper installation, operation, and maintenance of the module.

2. SAFETY INFORMATION

- Always turn off the water supply to the faucet before beginning any installation or maintenance.

- Disconnect electrical power if applicable before servicing.

- Wear appropriate personal protective equipment, such as safety glasses and gloves.

- Ensure all connections are secure to prevent leaks.

- Dispose of old batteries responsibly according to local regulations.

3. PACKAGE CONTENTS

Verify that all components are present before beginning installation:

- Zurn P6900-B-L AquaSense Electronics Module with Solenoid

- Battery Pack (integrated)

- 4 AA Alkaline Batteries (included)

- Connecting Wire to Faucet Sensor

- Small Hex Key/Wrench (for securing connections, if applicable)

- O-ring (for sealing connections, if applicable)

Image 3.1: Zurn P6900-B-L Electronics Module with included batteries and hex key. This image displays the main module unit, four AA batteries, and a small hex key, which are typically included in the package.

4. SETUP AND INSTALLATION

Follow these steps to install the Zurn P6900-B-L Electronics Module:

1. **Turn Off Water Supply:** Locate the main water shut-off valve for the faucet and turn it off completely.

2. **Disconnect Old Module (if replacing):** Carefully disconnect the existing electronics module from the faucet sensor and water lines. Be prepared for residual water.

3. **Prepare New Module:** Ensure the new P6900-B-L module has the included 4 AA alkaline batteries properly installed in the battery compartment.

4. **Connect Water Lines:** Attach the solenoid valve portion of the new module to the appropriate hot and cold water supply lines. Use thread sealant tape or pipe dope as recommended by local plumbing codes. Ensure connections are hand-tight, then use a wrench for a final quarter-turn, avoiding overtightening.

5. **Connect Sensor Wire:** Carefully connect the wire from the electronics module to the faucet's infrared proximity sensor. The connector pins are delicate; align them precisely to avoid bending. Removing any rubber o-ring on the connector might assist in feeling for a solid connection, as a coupler nut typically secures the pieces.

6. **Secure Module:** Mount or secure the electronics module in a suitable location, typically under the sink, ensuring it is protected from moisture and easily accessible for future maintenance.

7. **Restore Water Supply:** Slowly turn the main water supply back on and check for any leaks at all connection points.

8. **Test Operation:** Activate the faucet sensor to verify proper water flow and shut-off.

Image 4.1: Underside view of Zurn P6900-B-L Electronics Module showing connection points. This image highlights the water inlet and outlet connections, as well as the sensor wire port on the module.

5. OPERATING INSTRUCTIONS

The Zurn AquaSense Electronics Module controls water flow in conjunction with the faucet's infrared proximity sensor. To operate the faucet:

- **Activation:** Place your hands within the detection range of the faucet's sensor. The sensor will detect your presence.
- **Water Flow:** Upon detection, the electronics module will activate the solenoid valve, allowing water to flow from the faucet.
- **Deactivation:** Remove your hands from the sensor's detection range. The module will then close the solenoid valve, stopping the water flow.

The system is designed for hands-free operation, promoting hygiene and water conservation.

6. MAINTENANCE

Regular maintenance ensures optimal performance and longevity of your Zurn AquaSense Electronics Module.

6.1. Battery Replacement

The module is powered by 4 AA alkaline batteries. When the batteries are low, the faucet may exhibit inconsistent operation or cease to function. To replace the batteries:

1. **Turn Off Water Supply:** Turn off the water supply to the faucet.

2. **Access Battery Compartment:** Locate the battery compartment on the electronics module. This is typically secured with a cover.

3. **Remove Old Batteries:** Open the compartment and remove the old AA batteries.

4. **Insert New Batteries:** Insert four new AA alkaline batteries, ensuring correct polarity (+/-).

5. **Secure Compartment:** Close and secure the battery compartment cover.

6. **Restore Water Supply and Test:** Turn the water supply back on and test the faucet's operation.

6.2. Cleaning

Periodically inspect the module and connections for any signs of corrosion or debris. Clean the exterior of the module with a soft, damp cloth. Do not use abrasive cleaners or solvents.

7. TROUBLESHOOTING

If your Zurn AquaSense faucet is not functioning correctly, refer to the following table for common issues and solutions:

Problem	Possible Cause	Solution
No water flow when sensor is activated	Low or dead batteries Water supply off Sensor wire disconnected or damaged Solenoid valve malfunction	Replace batteries Check water supply valve Verify sensor wire connection Contact Zurn support for solenoid replacement
Water flows continuously	Sensor obstructed or faulty Solenoid valve stuck open	Clean sensor lens; check for obstructions Contact Zurn support for solenoid inspection/replacement
Weak water flow	Low water pressure Aerator clogged Solenoid partially obstructed	Check building water pressure Clean or replace faucet aerator Contact Zurn support for solenoid inspection
Sensor not responding	Low or dead batteries Sensor lens dirty Sensor wire disconnected or damaged	Replace batteries Clean sensor lens Verify sensor wire connection

8. SPECIFICATIONS

Feature	Detail
Model Name	P6900-B-L
Part Number	P6900-B-L
Item Weight	1.12 pounds
Product Dimensions	6 x 4 x 3.2 inches
Material	Plastic, Metal
Batteries	4 AA Alkaline (included)

Feature	Detail
Compatible Faucets	Z6912, Z6913, Z6915, Z6920 Series
Special Feature	Lead Free
UPC	670240576582

9. WARRANTY AND SUPPORT

The Zurn P6900-B-L AquaSense Electronics Module is covered by a limited manufacturer's warranty. For specific warranty terms and conditions, please refer to the documentation provided with your original Zurn product or visit the official Zurn website.
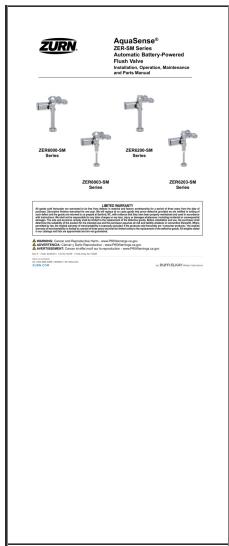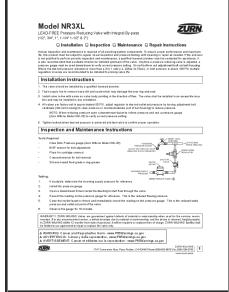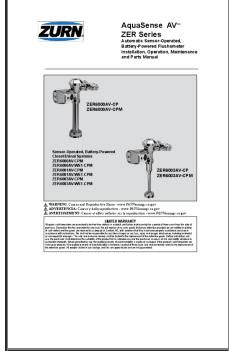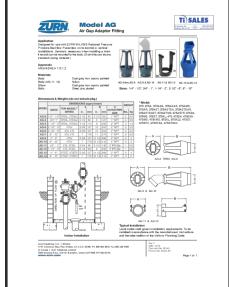
For technical support, replacement parts, or further assistance, please contact Zurn Customer Service:

- **Website:** www.zurn.com
- **Contact Information:** Refer to the 'Contact Us' section on the Zurn website for phone numbers and email support.

Related Documents - P6900-B-L

	ZURN AquaSense® ZG6913 & ZG6915 Series Sensor-Operated Faucets: Installation, Operation, Maintenance, and Parts Manual Comprehensive guide for ZURN AquaSense® ZG6913 and ZG6915 sensor-operated faucets, covering installation, operation, maintenance, troubleshooting, and parts. Features battery-powered, hardwired, and connected options.
	Zurn AquaSense Z6936 Battery Powered Sensor Faucet Installation, Operation, and Maintenance Manual Comprehensive manual for the Zurn AquaSense Z6936 battery-powered sensor faucet, covering installation, operation, maintenance, troubleshooting, and specifications. Designed for commercial restrooms.

[Zurn AquaSense ZER-SM Series Automatic Battery-Powered Flush Valve Manual](#)
Comprehensive manual for Zurn AquaSense ZER-SM series automatic battery-powered flush valves, covering installation, operation, maintenance, troubleshooting, and parts breakdown for models like ZER6000-SM, ZER6200-SM, ZER6003-SM, and ZER6203-SM.

[Zurn NR3XL Lead-Free Pressure Reducing Valve: Installation, Maintenance, and Repair Guide](#)
Comprehensive guide for the Zurn NR3XL Lead-Free Pressure Reducing Valve, covering installation, inspection, maintenance, repair procedures, and troubleshooting. Includes product specifications and warranty information.

[ZURN AquaSense AV ZER Series Automatic Sensor-Operated Flushometer Manual](#)
Installation, operation, maintenance, and parts manual for the ZURN AquaSense AV ZER Series automatic sensor-operated, battery-powered flushometer. Includes troubleshooting, repair kits, and technical specifications.

[ZURN Model AG Air Gap Adaptor Fitting](#)
The ZURN Model AG Air Gap Adaptor Fitting is designed for use with ZURN WILKINS Reduced Pressure Principle Backflow Preventers, ensuring proper drain line installation on horizontal or vertical systems. This document details its specifications, materials, and typical installation requirements.