Ecolink FLF-ZWAVE5-ECO

Ecolink Z-Wave Plus Flood and Freeze Sensor (FLF-ZWAVE5-ECO) User Manual

Model: FLF-ZWAVE5-ECO

1. INTRODUCTION

This manual provides detailed instructions for the installation, operation, and maintenance of your Ecolink Z-Wave Plus Flood and Freeze Sensor. The sensor is designed to detect water leaks and dangerously low temperatures, providing timely alerts to help prevent potential damage to your property. Its compact design allows for flexible placement in high-risk areas such as under sinks, near toilets, behind refrigerators, or in basements.

2. SAFETY INFORMATION

- Read all instructions carefully before installation and use.
- Do not expose the sensor to extreme temperatures or humidity outside its operating range.
- Use only the specified battery type (CR123A lithium). Incorrect battery usage may cause damage or fire.
- Keep the device and its components out of reach of children.
- Dispose of batteries according to local regulations.

3. PACKAGE CONTENTS

Verify that all items are present in your package:

- Ecolink Z-Wave Plus Flood and Freeze Sensor (Main Unit)
- Water Probe with 36-inch cable
- 1x CR123A Lithium Battery
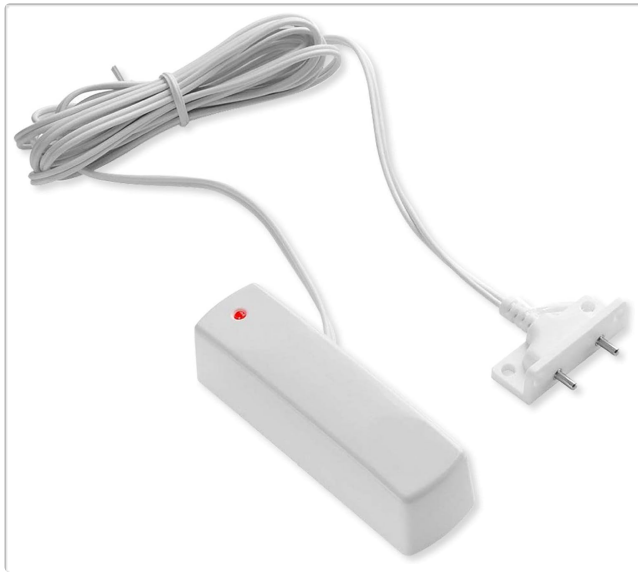- Mounting Hardware (screws/adhesive)

4. PRODUCT OVERVIEW

Figure 4.1: The Ecolink Z-Wave Plus Flood and Freeze Sensor, showing the main unit connected to the water probe via a cable.

Figure 4.2: The main sensor unit and the separate water probe, highlighting the two metal contacts on the probe for water detection.

Figure 4.3: Illustration indicating the use of a single CR123A lithium battery for the sensor.

Figure 4.4: A smartphone screen showing a 'Flood Alarm' notification, demonstrating the sensor's alert capability.

5. SETUP

5.1. Battery Installation

1. Open the battery compartment on the main sensor unit.

2. Insert the provided CR123A lithium battery, ensuring correct polarity.

3. Close the battery compartment securely. The sensor is designed for a long battery life, typically up to five years.

5.2. Z-Wave Inclusion (Pairing)

To integrate the sensor with your Z-Wave network:

1. Put your Z-Wave controller/hub into inclusion (pairing) mode. Refer to your controller's manual for specific instructions.

2. With the battery installed, the sensor will automatically attempt to pair. If it doesn't, you may need to briefly remove and reinsert the battery.

3. Confirm that your Z-Wave controller recognizes the sensor. The sensor's LED indicator may flash to confirm successful inclusion.

5.3. Z-Wave Exclusion (Unpairing)

To remove the sensor from your Z-Wave network:

1. Put your Z-Wave controller/hub into exclusion (unpairing) mode.

2. Briefly remove and reinsert the battery into the sensor.

3. Confirm that your Z-Wave controller indicates successful exclusion.

5.4. Sensor Placement

Strategic placement is key for effective monitoring:

- Place the water probe directly on the floor in areas prone to leaks, such as under sinks, behind

toilets, near water heaters, washing machines, or dishwashers.

- The 36-inch probe cable allows the main unit to be mounted in a more accessible location (e.g., on a wall or cabinet side) while the probe remains at floor level.
- Ensure the two metal contacts on the water probe are facing downwards and can make direct contact with any pooling water.
- For freeze detection, place the main unit in an area where temperature monitoring is critical, such as an attic, basement, or utility room.

6. OPERATING INSTRUCTIONS

6.1. Flood Detection

When water bridges the two metal contacts on the water probe, the sensor will detect a flood condition. It will then send an alert to your Z-Wave controller, which can trigger notifications (e.g., text messages, app alerts) or automated actions (e.g., shutting off a water valve, turning on lights).

6.2. Freeze Detection

The sensor continuously monitors the ambient temperature. If the temperature drops to 41°F (5°C) or below, the sensor will send a freeze alert to your Z-Wave controller. This can be used to notify you of potential pipe freezing conditions or to activate smart thermostats to increase heating.

6.3. LED Indicator

The LED indicator on the main unit provides visual feedback during operation and pairing. A brief flash typically indicates successful communication or a change in status (e.g., flood detected).

7. MAINTENANCE

7.1. Battery Replacement

When the battery level is low, the sensor will report this status to your Z-Wave controller. Replace the CR123A lithium battery as described in Section 5.1. Ensure proper disposal of the old battery.

7.2. Cleaning

Periodically inspect the water probe for any debris or corrosion on the metal contacts. Clean with a soft, dry cloth if necessary. Do not use abrasive cleaners or immerse the main unit in water.

8. TROUBLESHOOTING

- **Sensor not pairing:** Ensure your Z-Wave controller is in inclusion mode. Try removing and reinserting the battery. Ensure the sensor is within range of your Z-Wave network.
- **No alerts:** Verify the sensor is successfully paired with your Z-Wave controller. Check the battery level. Ensure your Z-Wave controller's automation rules for flood/freeze alerts are correctly

configured.

- **False alarms:** Ensure the water probe contacts are clean and dry. Reposition the probe if it is inadvertently coming into contact with moisture.
- **Short battery life:** While designed for long battery life, frequent Z-Wave communication (e.g., due to poor network signal requiring retries) can reduce battery life. Ensure a strong Z-Wave mesh network.

9. SPECIFICATIONS

Feature	Specification
Model Number	FLF-ZWAVE5-ECO
Power Source	1x CR123A Lithium Battery (3 Volts)
Battery Life	Up to 5 years (typical)
Flood Detection	Water Probe with 36-inch cable
Freeze Detection Threshold	41℉ (5℃)
Wireless Protocol	Z-Wave Plus
Product Dimensions	4.13"L x 1.65"W x 3.22"H (Main Unit)
Item Weight	2.24 ounces
Mounting Type	Wall Mount (for main unit)
UPC	851166005091

10. WARRANTY INFORMATION

The Ecolink Z-Wave Plus Flood and Freeze Sensor comes with a 2-year limited warranty from the date of purchase. This warranty covers defects in materials and workmanship under normal use. It does not cover damage caused by misuse, accident, unauthorized modification, or improper installation. For warranty claims, please retain your proof of purchase and contact customer support.

11. SUPPORT

For technical assistance, troubleshooting, or further information regarding your Ecolink Z-Wave Plus Flood and Freeze Sensor, please visit the official Ecolink website or contact their customer support department. Contact details can typically be found on the product packaging or the manufacturer's website.

Related Documents - FLF-ZWAVE5-ECO

	[Ecolink Z-Wave Plus Smart Switch Installation and Compatibility Guide](#) Comprehensive guide to installing and configuring Ecolink Z-Wave Plus Smart Switches, including details on rocker and toggle models, installation steps, and compatibility with popular smart home hubs like Samsung SmartThings and Vera.
	[Ecolink Z-Wave Plus Smart Switch Single Rocker Installation Guide](#) Installation guide for the Ecolink Z-Wave Plus Smart Switch Single Rocker (SDLS2-ZWAVE5). Covers product overview, features, specifications, installation steps, network inclusion/exclusion, LED status, battery information, Z-Wave Plus details, command classes, FCC compliance, warranty, and return policy.
	[Ecolink Z-Wave Plus Smart Switch Dual Rocker Installation Guide](#) Comprehensive installation guide for the Ecolink Z-Wave Plus Smart Switch Dual Rocker (DDLS2-ZWAVE5). Covers product overview, features, specifications, installation steps, network inclusion/exclusion, LED status, and technical compliance information.
	[Ecolink GDZW7-ECO Z-Wave Long Range Garage Door Controller Installation and User Manual](#) Comprehensive installation instructions and user manual for the Ecolink GDZW7-ECO Z-Wave Long Range Garage Door Controller. Learn how to add the device to your Z-Wave network, mount the controller and tilt sensor, connect to your garage door opener, and troubleshoot common issues.
	[Ecolink TBZ500 Battery Powered Z-Wave Thermostat Installation and Operation Guide](#) This guide provides comprehensive instructions for installing, configuring, and operating the Ecolink TBZ500 Battery Powered Z-Wave Thermostat. It covers wiring, system setup for various HVAC types, Z-Wave network integration, advanced settings, and troubleshooting.
	[Ecolink TBZ500 Z-Wave Thermostat: Installation and Operation Guide](#) Comprehensive guide for installing and operating the Ecolink TBZ500 Z-Wave Thermostat. Covers setup, wiring, system configuration, Z-Wave integration, and troubleshooting for smart home climate control.