Ecolink GDZW7-ECO

Ecolink Z-Wave Long Range Garage Door Controller (GDZW7-ECO) Instruction Manual

Brand: Ecolink | Model: GDZW7-ECO

1. INTRODUCTION

The Ecolink Z-Wave Long Range Garage Door Controller (GDZW7-ECO) provides remote access and monitoring capabilities for your garage door. This UL-325 certified device operates on Z-Wave frequencies (908.42/916MHz, 912/920MHz for Long Range) and includes a pre-paired wireless tilt sensor for accurate door status detection. This manual provides essential information for the proper installation, operation, and maintenance of your device.

2. KEY FEATURES

- Z-Wave Long Range Technology: Operates on 908.42/916MHz and 912/920MHz for extended wireless communication.
- UL-325 Certified Design: Ensures compliance with safety standards for garage door openers.
- Pre-installed Bellwire: Includes 22AWG, 2 Conductor, Solid Copper Security Cable (White, L = 1.5m) for easy connection to the 2nd external contact.
- Pre-paired Wireless Tilt Sensor: Provides immediate alerts for garage door open/close status.
- Remote Access: Control your garage door from anywhere via a compatible Z-Wave hub and smartphone application.

3. WHAT'S IN THE BOX

Verify that all components are present:

- Ecolink Z-Wave Long Range Garage Door Controller (Main Unit)
- Wireless Tilt Sensor (Pre-paired)
- Installation Hardware (e.g., adhesive pads, screws)
- Instruction Manual

4. SETUP AND INSTALLATION

4.1. Controller Installation

The main controller unit should be mounted near your garage door opener motor. Ensure it is within range of your Z-Wave hub.

1. **Power Connection:** Connect the controller to a power source. The device does not require batteries for the main unit.
2. **Wiring to Garage Door Opener:** Connect the pre-installed bellwire from the controller to the 2nd external contact on your garage door opener. Refer to your garage door opener's manual for specific wiring instructions.
3. **Mounting:** Use the provided adhesive pads or screws to securely mount the controller unit.

4.2. Tilt Sensor Installation

The wireless tilt sensor detects the position of your garage door. It comes pre-paired with the main controller unit.

1. **Battery Installation:** The tilt sensor is powered by AAA batteries. Ensure batteries are correctly inserted.
2. **Mounting Orientation:** Mount the tilt sensor on the top panel of your garage door. Ensure the 'UP' arrow on the back of the sensor is pointing upwards and the speaker holes are positioned at the top. This ensures accurate detection of vertical (closed) and horizontal (open) states.
3. **Secure Mounting:** Use the provided adhesive pads to firmly attach the tilt sensor to the garage door panel.

Figure 1: Front view of the Ecolink Z-Wave Long Range Garage Door Controller.

Figure 2: Ecolink Z-Wave Long Range Garage Door Controller shown with a smartphone displaying the control app.

5. OPERATING INSTRUCTIONS

5.1. Z-Wave Network Inclusion

To integrate the Ecolink Garage Door Controller into your Z-Wave network:

1. Put your Z-Wave hub into inclusion/pairing mode (refer to your hub's manual).
2. Follow the specific instructions for your Z-Wave hub to add a new device. The controller should be discovered automatically.
3. Once included, the controller and its pre-paired tilt sensor will appear in your Z-Wave application.

5.2. Garage Door Control

After successful inclusion, you can control your garage door and monitor its status via your Z-Wave hub's interface or associated smartphone application.

- **Open/Close:** Use the app to send commands to open or close the garage door.
- **Status Monitoring:** The tilt sensor will report the current status (open/closed) of the garage door to your Z-Wave hub.
- **Audible Beep:** The tilt sensor emits a beep sound when the garage door changes status (from vertical to horizontal or vice versa). This feature can be disabled via internal switches on the sensor's circuit board if preferred.

5.3. SmartThings and Homey Pro Compatibility

For optimal performance with SmartThings, ensure you have the correct Edge drivers installed. These drivers unlock all features and functionalities. For Homey Pro, download the Third Reality app from Homey's official App

Store before installation to ensure proper sensor functionality. Without the correct app, sensors may pair as generic Zigbee devices and not function correctly.

6. Maintenance

6.1. Battery Replacement (Tilt Sensor)

The wireless tilt sensor is powered by AAA batteries. Battery life is rated for up to two years. Replace batteries when indicated by your Z-Wave hub's application or if the sensor stops reporting status updates reliably.

6.2. Cleaning

Wipe the device and sensor with a dry, soft cloth. Do not use liquid cleaners or abrasive materials.

7. Troubleshooting

- **Device Not Pairing:** Ensure your Z-Wave hub is in inclusion mode and the device is powered on. Try moving the device closer to the hub during the pairing process.
- **Incorrect Door Status:** Verify the tilt sensor is mounted correctly with the 'UP' arrow pointing upwards and speaker holes at the top. Check the tilt sensor's battery level.
- **No Audible Beep from Tilt Sensor:** Check the internal switch settings on the tilt sensor's circuit board to ensure the siren is enabled.
- **SmartThings/Homey Pro Issues:** Ensure the correct Edge drivers (for SmartThings) or the Third Reality app (for Homey Pro) are installed. Contact Third Reality support for firmware updates if issues persist.

8. Specifications

Brand Name	Ecolink
Model Info	GDZW7-ECO
Item Weight	1.04 pounds
Product Dimensions	5 x 3.75 x 1 inches
Item Model Number	GDZW7-ECO
Part Number	GDZW7-ECO
Color	White
Included Components	Controller, Remote (Tilt Sensor is pre-paired)
Batteries Required?	No (for main unit), Yes (for Tilt Sensor)
ASIN	B0DWW665FD
Date First Available	February 12, 2025

9. Warranty and Support

For warranty information and technical support, please refer to the documentation included with your product packaging or visit the official Ecolink website. Keep your purchase receipt for warranty claims.