User Guide

Water Leak + Freeze Detector

Model 60WLDR-W User Guide

KIDDE™

Wi-Fi COMPATIBILITY:
This model requires a home Wi-Fi router
and internet to connect to a mobile device.
(Requires 802.11b/g/n (2.4GHz) Wi-Fi)

KIDDE

WATER LEAK AND FREEZE
DETECTOR

**Water Leak
and Freeze Detector**

WiFi®
CERTIFIED

- AA BATTERY POWERED
- Wi-Fi COMPATIBLE

P/N: 21031394C

Thank You for Purchasing this Kidde Water Leak and Freeze Detector.

This model is powered by two AA batteries. It is capable of sending notifications to your mobile device using Wi-Fi and the Kidde app.

STOP For best Wi-Fi enrollment results, follow these steps:

1. Scan QR code shown in STEP 1 on the front of the Quick Start Guide. Install the Kidde app.

2. Open the Kidde app. Create and login to your account. Tap "Add a device." Select "Water Leak + Freeze Detector." Follow in-app steps.

3. Scan your unique QR code, shown in STEP 3 of the Quick Start Guide, or on back of your detector. Setup and connect detector to the app. This will include the steps shown in sections 5 and 6.

4. Complete setup by following in-app steps.

⚠ **WARNING:** Mobile alert services are ancillary to the product and for informational purposes only. They are not intended or suitable for life safety or critical purposes nor do these services take the place of third-party life safety monitoring services. This product's smartphone and tablet notifications require a stable Wi-Fi connection, and are only as reliable as your home Wi-Fi network.

⚠ **WARNING:** This water leak detector is not a life safety device.

Images are representative only. Actual product may vary slightly.

Product Support: 1-877-542-5471

Please write down the below information and have this at hand when you call.

Date Code (on back): _____

Date of Purchase: _____

Where Purchased: _____

Contents

1. Alarm and Operation Audible and Visual Indicators

Operational Mode	Visual Indications	Audible Indications	Description:
Normal operation	Red LED blinks every 60s.		
Temperature change over 10 mins > +/- 3°C	Notification on mobile app only		Temperature dropping or rising quickly.
Low temperature alarm (below 3°C / 37°F)	Red LED blinks every 3s.	Loud beep every 3s.	Temperature could start freezing pipes. See Section 7 for alarm timing information.
Water detected alarm	Red LED blinks every 3s.	Loud beep every 3s.	Water has been detected at the alarming unit. See Section 7 for alarm timing information.
Alarm Hush	Red LED blinks every 15s.		Device in alarm mode with sounder silenced NOTE: If an alarm is not Hushed in the first 60 seconds, Hush might be delayed by up to 30 seconds as the detector waits to communicate with the cloud.
Low Battery	Red LED blinks every 60s.	Chirp every 60s.	Inform the user it is time to change the batteries.

2. Troubleshooting Guide

If you are experiencing a problem with your detector, or a fault, and are unsure of the next action, please contact product support at 1-877-542-5471. You may also write us at: Kidde, 1016 Corporate Park Drive, Mebane, NC 27302, or visit our internet address at www.kidde.com.

Problem	Reasons	Solutions:
Unit alarming while detecting water, but the status in the app does not change.	1. Detector has not been registered with the app. 2. Mobile device doesn't connect to the Wi-Fi network. 3. Distance between detector and Wi-Fi router is too large.	1. Refer to sections 5 and 6. 2. Connect the Wi-Fi and reconfigure the network. 3. Adjust the installation location.
Detector will not alarm while there is water leaking.	1. The detector is not sitting horizontally. 2. The batteries are depleted.	1. Adjust the installation position. 2. Replace batteries.

3. Introduction, Product Features and Specifications

Introduction

This device detects water leaks using two electrodes on the bottom of the device. It also monitors for rapid temperature changes to notify you of potential freezing dangers.

Power	Two AA batteries
Environment	32 to 104°F (0 to 40 °C), ≤ 90% RH non-condensing
Waterproof level	IP65
Audible alarm	85+ dB at 3ft (1m)
Water depth detection capability	> 0.015" in depth
Wi-Fi	Requires 802.11b/g/n (2.4GHz) Wi-Fi.

4. Water Leak Detectors: Important Information

- This device is intended for indoor use only.

- To minimize false alarms and ensure proper detection of leaks, place the detector on a level, clean, dry surface, in the lowest location where water may be present.

- Do not install on metallic surfaces, as these may activate the alarm.

- Typical installations may include devices near the following: water heater, sump pit, utility sinks, kitchen & bath sinks, toilets, washing machine, refrigerators, and dishwasher.

- The device should float, but if trapped under an obstruction such as a water heater, water may enter through top of device and reduce sounder output level. Avoid placing where the device may be trapped by rising water.

5. Kidde App Features and Instructions

STOP For best Wi-Fi enrollment results, follow these steps:

1. Scan QR code shown in STEP 1 on the front of the Quick Start Guide. Install the Kidde app.

2. Open the Kidde app. Create and login to your account. Tap "Add a device." Select "Water Leak + Freeze Detector." Follow in-app steps.

3. Scan your unique QR code, shown in STEP 3 of the Quick Start Guide, or on back of your detector. Setup and connect detector to the app. This will include the steps shown in sections 5 and 6.

4. Complete setup by following in-app steps.

Your Kidde app is user friendly and allows helpful features such as:

- Receive notifications if hazards are detected and when the device is low on battery.
- Simplify setup - Just scan the QR code on the back of the product. No additional hub is needed.
- Notify friends and family of potential danger.
- Smart Hush false alarms when you are home (on the same Wi-Fi network). *

NOTE: The app receives real-time updates. The paper or online copy of your user guide will most likely lag behind the app's real-time updates. Visit Kidde.com to find and download or print the latest user guide.

* This feature only applies to Kidde Wi-Fi alarms/devices.

6. Installation, Activation, and Wi-Fi Enrollment

STOP For best Wi-Fi enrollment results, follow these steps:

1. Scan QR code shown in STEP 1 on the front of the Quick Start Guide. Install the Kidde app.

2. Open the Kidde app. Create and login to your account. Tap "Add a device." Select "Water Leak + Freeze Detector." Follow in-app steps.

3. Scan your unique QR code, shown in STEP 3 of the Quick Start Guide, or on back of your detector. Setup and connect detector to the app. This will include the steps shown in sections 5 and 6.

4. Complete setup by following in-app steps.

IMPORTANT: These water leak detectors do not communicate between themselves or other Wi-Fi devices. Wi-Fi functionality is only between water leak detectors and a mobile device.

NOTE: At any time during Wi-Fi enrollment, if you have a problem, you can reset the device to factory settings and start over (See Section 6.2).

6.1 Setting Up Wi-Fi Enrollment

A. Install batteries

- Using a screwdriver, open the battery compartment and install two AA batteries(See Figure 6.1). Note the polarity markings.

- When the batteries are installed, the detector will begin searching for a Wi-Fi connection.

B. Open the Kidde App and follow instructions on the App to finish Wi-Fi enrollment.

NOTE: If no further steps are taken within 5 minutes of initial power up the Wi-Fi function will turn off. The detector will then perform as a standalone device, and will alarm if water or freeze conditions are detected, but it will not send notifications to your mobile device. See Section 6.2 for reactivating Wi-Fi features.

C. Repeat steps A and B with each detector to be enrolled with Wi-Fi.
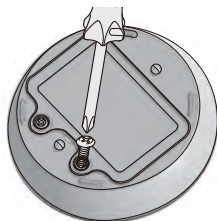

Figure 6.1

6.2 Resetting a Device's Wireless Settings

If you encounter an issue at any point during the Wi-Fi enrollment process, you may reset the device by following the directions of one of the options below:

Option 1 (Wi-Fi reset): Remove the batteries, wait thirty seconds, re-install the batteries.
Option 2 (Full device reset): Using a metal screwdriver or paper clip apply a direct short to the two metal contacts on the bottom of the device three times within two seconds (See Figure 6.2).

Either of these methods will reset the device and cause it to automatically search for a Wi-Fi connection. **NOTE:** Because the device only searches for Wi-Fi connections for 5 minutes, it is best to FIRST have the steps completed as outlined at the top of section 6 before powering or resetting the device.

See Section 6.1 to begin Wi-Fi enrollment.

Metal Contacts

Figure 6.2

6.3 Amazon Alexa and Google Assistant™

Your Wi-Fi detector is compatible with Amazon Alexa and Google Assistant. Follow instructions in the Kidde app help section to link your Wi-Fi detector to Amazon Alexa and/or Google Assistant.*

* AMAZON and ALEXA are trademarks of Amazon Technologies, Inc. or its affiliates. Google and Google Assistant are trademarks of Google LLC.
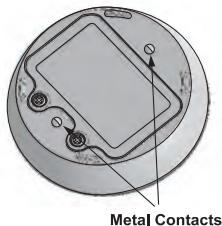
7. Operation and Testing

Operation

The detector is operating once it is activated and testing is complete. When water or freeze conditions are detected the unit sounds a loud alarm (See Section 1 for alarm signal descriptions).
In an alarm condition, the device will sound for a specified amount of time (Alarm Duration) and then will stop alarming to save battery power. After a specified period of silence (Battery Conserve), the device will alarm again.

Default Settings [1]

Alarm Duration	30 minutes
Battery Conserve time	1 hour
Status update to app	12 hours

[1] Note: these settings can be adjusted in the app, but can affect battery life.

Testing

Test your water leak detector regularly by shorting the two metal contacts (see Figure 6.2) with a metal object (screwdriver or paper clip for example). If the device is dropped, test it to confirm it still activates. The detector

will sound if the electronic circuitry, horn, and batteries are working, and will send a notification to your mobile device, if configured. If the detector does not sound, or gives erratic or low volume sound, the unit must be replaced.

Nuisance Alarms

HUSH : If you know why the detector is sounding, and can verify that it is not a water or freeze situation, you can use the app to silence the alarm for 8-10 minutes. You can use Hush repeatedly if needed. If the detector continues to false alarm for no reason, and if cleaning does not help (see Section 9), it is defective and should be replaced. **NOTE:** If an alarm is not Hushed in the first 60 seconds, Hush might be delayed by up to 30 seconds as the detector waits to communicate with the cloud.

8. Batteries

This alarm is powered by two Alkaline AA batteries. Do not use lithium batteries.
Under normal conditions, fresh batteries should last at least one year.
* Battery life is based on an average number of activated alarms and test events, and with default factory settings (see Section 7). Changing these settings in the app could affect battery life.

NOTE: Constant exposure to high or low humidity or temperatures may reduce battery life.

⚠ **WARNING:** Do not try to repair the detector yourself.

Low Battery

This alarm is equipped with a low battery monitor circuit. If the battery capacity is nearing the point where it can no longer provide adequate power for all alarm functions, the low battery condition will occur. See Alarm and Operation Audible and Visual Indicators table.

The batteries must be replaced within 7 days of the first occurrence of the "Low Battery Warning" to provide continuous detection.

When the batteries are replaced, the unit will automatically attempt to reconnect to the Wi-Fi network it was previously connected to.

9. Cleaning Your Detector

Your detector's performance can be regulated by wiping the outside of the detector and the contacts on the bottom of the unit with a clean, cloth dampened only with water. Use of detergents or cleaners could damage the detector.

- Never use detergent or other solvents to clean the detector.
- Do not paint the detector, as paint might prevent water detection at the electrodes or prevent clear sound from the alarm openings.
- Never attempt to disassemble the detector to clean inside. This action will void your warranty.

- The following substances can affect the water leak and freeze detector and may cause false readings and damage to the sensors: Methane, propane, isobutane, iso-propanol, ethyl acetate, hydrogen sulfide, sulfide dioxides, alcohol based products, paints, thinner, solvents, adhesives, hair spray, aftershave, perfume, and some cleaning agents.

- Move the detector and place in another location prior to performing any of the following:

  Staining or stripping wood floors or furniture

  Painting

  Wall papering

  Using adhesives

  Mopping or using liquids to clean the floor nearby

Storing the detector in a plastic bag during any of the above projects will protect the sensors from damage. When household cleaning supplies or similar contaminates are used, the area must be well ventilated.

⚠ **WARNING:** Reinstall the detector as soon as possible to ensure continuous detection.

10. FCC

FCC (Contains FCC ID: 2AC7Z-ESPC3MINI1)

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.

- Increase the separation between the equipment and receiver.

- Consult the dealer or an experienced radio/TV technician for help.

⚠**WARNING! ANY CHANGES OR MODIFICATION MADE TO THE PRODUCT WITHOUT THE**

PERMISSION OF THE MANUFACTURER COULD VOID THE USER'S AUTHORITY TO USE THIS PRODUCT.

This device complies with part 15 of the FCC Rules. Operation is subject to the following two conditions: (1) This device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

11. Service and Warranty

One-Year Limited Warranty

Kidde warrants that the enclosed alarm will be free from defects in material and workmanship or design under normal use and service for a period of one year from the date of purchase. The obligation of Kidde under this warranty is limited to repairing or replacing the alarm or any part which we find to be defective in material, workmanship or design (part replacement only, no installation), free of charge, upon receiving the alarm with proof of date of purchase, postage and return postage prepaid, to Warranty Service Department, Kidde, 1016 Corporate Park Drive, Mebane, NC 27302. Before shipping the product, please remove the batteries from the battery compartment.

This warranty shall not apply to the alarm if it has been damaged, modified, abused or altered after the date of purchase or if it fails to operate due to improper maintenance or inadequate power. Any implied warranties arising out of this sale, including but not limited to the implied warranties of description, merchantability and fitness for a particular purpose, are limited in duration to the above warranty period. In no event shall the Manufacturer be liable for loss of use of this product or for any indirect, special, incidental or consequential damages, or costs, or expenses incurred by the consumer or any other user of this product, whether due to a breach of contract, negligence, strict liability in tort or otherwise.

The Manufacturer shall have no liability for any personal injury, property damage or any special, incidental, contingent or consequential damage of any kind resulting from gas leakage, smoke, fire or explosion. Since some states do not allow limitations of the duration of an implied warranty or do not allow the exclusion or limitation of incidental or consequential damages, the above limitations or exclusions may not apply to you. While this warranty gives you specific legal rights, you may also have other rights which vary from state to state.

The above warranty may not be altered except in writing signed by both parties hereto. Your Kidde Alarm is not a substitute for property, fire, disability, life or other insurance of any kind. Appropriate insurance coverage is your responsibility. Consult your insurance agent. Opening the unit will void the warranty.

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