Ally Technology AFZ01 Flood Sensor User Manual

Contents

Ally Technology

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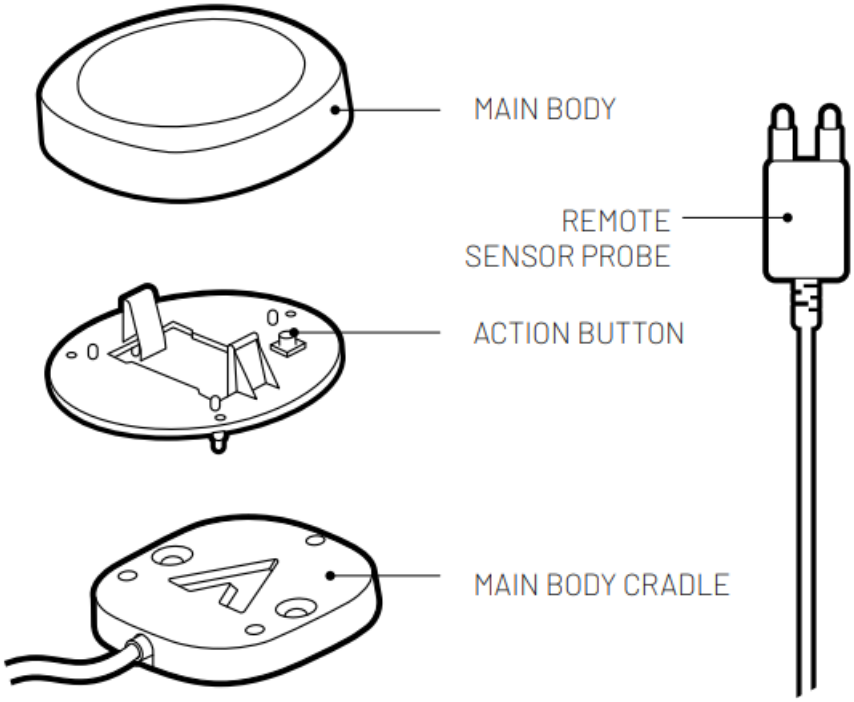
Key Features

- Z-wave 800 series design, supports Z-wave LR and is compatible with Z- wave Mesh.
- Thin profile—can fit under appliances.
- Beeps and sends Z-Wave notification when water is detected.
- 1 mile under LR mode, up to 200 feet under Z-wave mesh mode.
- Wear-resistant surface, suitable for most environments.
- Low Battery Indication.
- Good to place near washing machines, dishwashers, sinks, toilets, or your indoor garden to alert you of any leaky accidents!

Physical Characteristics



Power Flood Sensor

To power on your Flood Sensor with the included CR2 battery, follow these steps:

- Press the bottom cover of your Flood Sensor, then remove the case in the direction of arrow.
- Remove the plastic tab blocking connection of the battery. The LED will blink green once and then colorful gradient alternately when not connected to a Z-Wave Controller upon initial power.

Adding(Inclusion)

Follow the instructions for your Z-Wave Certified Controller adding inclusion mode. When prompted by the controller:

1. The Flood Sensor should be within 10’ of your Z-Wave controller for the inclusion process. After successful pairing, the device can be brought to the desired location.
2. Set the main controller into (security/non-security) adding mode (see the controller’s manual).
3. Press and hold Action Button for 3 seconds for device inclusion. The indicator LED will flash green five times

indicating inclusion successful,then it fails to be included, you need to repeat the above process.

4. If your Z-Wave gateway support SmartStart: scan the QR code on Flood Sensor using the gateway's app. Your sensor will join your Z-Wave network automatically.

Removing(Exclusion)

Follow the instructions for your Z-Wave Certified Control enter exclusion mode. When prompted by the controller:

1. Remove the Main Body bottom cover from the Main Body.
2. Press the Action Button quickly 3 times in a row. The LED will be colorful gradient for 5 seconds and then off indicating exclusion successful.

Resetting the Flood Sensor

If needed, the Flood Sensor can be reset locally by following these steps. Only do this when your Z-Wave controller is disconnected or otherwise unreachable. Beware that resetting your device will disconnect it from the system:

1. Remove the Main Body bottom cover and confirm that your Flood Sensor is powered on.
2. Press and hold Action Button for 12 seconds then release. A flashing light with two colors alternately indicates a successful factory reset.
3. The Flood Sensor's memory will be erased to factory settings.

Waking Up the Flood Sensor

Flood Sensor is a battery-powered device, it wakes up at regular intervals to give battery and other status updates to the controller, as well as to accept configuration settings from the controller. This helps to extend the battery life. The device can be forced to wake up to submit these reports or accept new settings immediately by simply pressing and holding the Action Button for three seconds. The LED will flash once indicating a successful wake-up.

Physical Installation

The device should already be included in your Z-Wave system before continuing further. Study the Pre-Installation Checklist below for a broad overview of installation options and other notes to bear in mind.

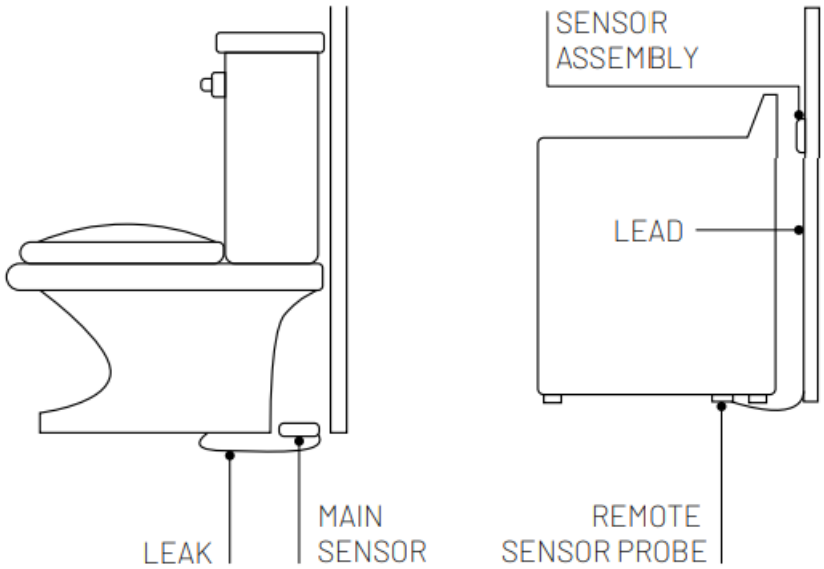
Pre-Installation Checklist

The MAIN BODY CRADLE and REMOTE SENSOR PROBE are optional, to help monitor hard-to-reach areas—study Figures 3 and 4 to understand when, where, and why to use the REMOTE SENSOR PROBE The Flood Sensor detects moisture the moment water contacts the METAL FEET on the REMOTE SENSOR PROBE or the MAIN BODY BASE To monitor a pipe or appliance for leaks, place the Flood Sensor nearby on a flat surface where water is likely to accumulate during a leak If there is not enough space for the SENSOR ASSEMBLY to fit, use the optional

REMOTE SENSOR PROBE

When using the REMOTE SENSOR PROBE, the SENSOR ASSEMBLY will rest in the MAIN BODY CRADLE All three METAL FEETs should contact the surface The REMOTE SENSOR PROBE can also hang mid-air to monitor rising water.

1. Figure 2 – Flood Sensor Installation Without the REMOTE SENSOR PROBE
2. Figure 3 – Flood Sensor Installation With the REMOTE SENSOR PROBE



Installation—Without the REMOTE SENSOR PROBE

1. Make sure the Flood Sensor is already included in your Z-Wave System and bring it to your desired installation location.
2. Confirm that your device can communicate with your Z- Wave Controller from the final installed location before proceeding.
3. Place Flood Sensor on a flat surface near the device to be monitored.
4. Double-check that your Z-Wave Controller can still communicate with the Flood Sensor, pour a small amount of water on the floor to emulate a leak, and confirm that the device beeps and reports the event to your Controller.

Installation—With the REMOTE SENSOR PROBE

Hard-to-reach areas can be monitored for leaks using the included REMOTE SENSOR PROBE.

1. Mount the MAIN BODY CRADLE on a wall near the location you wish to monitor, making sure the REMOTE SENSOR PROBE's cable will reach it comfortably. You may optionally rest the MAIN BODY CRADLE, unmounted, on a table, shelf, or another surface
2. Snap the SENSOR ASSEMBLY into the MAIN BODY CRADLE, making sure the METAL FEET on the SENSOR ASSEMBLY line up with their mates on the MAIN BODY CRADLE.
3. Plug the REMOTE SENSOR PROBE into the MAIN BODY CRADLE and place the other end of the PROBE in the area to monitor, making sure the METAL FEET is flat on the surface.

Warranty

The Warranty is provided by Ally (hereinafter "Manufacture"). The Manufacture warrants devices to be free from manufacturing defects for a period of 12 months from the original date of consumer purchase. In line with the terms of sales between the Manufacture and the authorized importer/reseller of this device, any claims against the foregoing warranty are to be handled by the authorized distributor/reseller directly. The foregoing warranty is subject to the proper installation, operation, and maintenance of the device in accordance with installation instructions and the operating manual supplied to the customer and further documentation made available digitally. The Manufacture does not warrant against normal wear and tear, nor damage caused by accident or abuse. Please be sure to read this device's support notes, digital materials, and quick start guide fully. Subject to

the full terms of obtaining service within 30 days of the manifestation of a problem, if you submit a valid claim under this warranty, the Manufacture shall provide further information in obtaining warranty services from the authorized importer and/or seller of this device.

Declaration of Conformity

Flood Sensor is in compliance with the essential requirements and other relevant provisions of RED 2014/53/EU, rRoHS 2011/65/EU, IEC62321:2008 and EN50581:2012

FCC Notice

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.

The manufacturer is not responsible for any radio or TV interference caused by unauthorized modifications to this equipment. Such modifications could void the user's authority to operate the equipment. 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, which can be determined by turning the equipment off and on, 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.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help
- Ensure this device and its antenna(s) are not co-located or operating in conjunction with any other antenna or transmitter.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This equipment should be installed and operated with a minimum distance of 20cm between the radiator & your body.

Documents / Resources

	Ally Technology AFZ01 Flood Sensor [pdf] User Manual AFZ01, 2A6V5AFZ01, AFZ01 Flood Sensor, Flood Sensor