WWA-01 Wireless Water & Freeze Alarm
Instruction Manual

Thank you for purchasing the WWA-01 Wireless Water & Freeze Alarm. This product will provide you with the peace of mind and protection you expect. Leaking pipes, corroded water heaters, fixtures in bathrooms and laundry rooms, refrigerator drip pans, etc. can all cause water damage. The WWA-01 is a Z-Wave^{TM} enabled device and will send a water leak alert on any Z-Wave^{TM} enabled network. A WWA-01 unit that is not in a Z-Wave^{TM} network will still alert you to water leaks using the audio alarm.

Specifications:

Power:	One 3.6V 1/2AA 1200mAh Lithium Battery, ER14250H, LS14250 or equivalent
Battery Life:	Calculated to be 1 to 2 years with no alarms and default Z-Wave^{TM} network settings.
Frequency Range:	908.42MHz (US)
Distance Range:	Max 100ft line of sight in unobstructed environment
Product Size (LxWxD):	2.4" x 1.6" x 0.8"
Product Weight:	0.2 lb
Operating Temperature:	-10ºC (14F) to +70ºC (158F)
Reported Temperature:	Reported temperature is at the unit and has a +/- 2 degC accuracy
System Requirement:	Any Z-Wave^{TM} enabled network and controller.

Testing the WWA-01

Moisten a paper towel and place over both of the small metal pads on the water sensor until you hear the audible alarm sound. The water alarm may take up to 4 or 5 seconds before it sounds. If the alarm fails to sound, your battery may be old or dead or incorrectly installed, the sensor may not be moist enough, or the water sensor may be damaged.

If you do hear the audible alarm, remove the moistened paper towel, clean the small metal pads of any water residue, and hold the button for 2 seconds to clear the alarm. You can then add your water alarm to any Z-Wave^{TM} enabled network and controller. Examples of Z-Wave controllers can be found on the FortrezZ website (www.fortrezz.com).

Using the WWA-01 in a Z-Wave^{TM} Network

The button in the rear casing is used for including or excluding the WWA-01 in a Z-Wave^{TM} network. Refer to your controller's User Manual for specific details on network inclusion, exclusion, and association.

Program Switch for inclusion or exclusion

Inclusion in (adding to) a network: 1) Set up the inclusion mode at the controller; 2) Press the button (*or* hold the button for approx. 2 seconds) until the controller indicates the unit has been included in the network. Also, a beep will be heard when the inclusion completes. *Inclusion and exclusion are always done at normal transmit power mode.*

Exclusion from (removing from) a network: 1) Set up the exclusion mode at the controller; 2) Press the button for approx. 2 seconds until the controller indicates the unit has been removed from the network. A beep will also be heard when the exclusion completes.

Awake Mode: To remain awake and listen for commands (when in a network), press and hold the button for at least 2 seconds. The WWA-01 will stay awake for approx. 30 seconds.

Associations: Once in a network, a controller can be used to associate the WWA-01 with other devices in the Z-Wave^{TM} network, such as a light or another remote audible alarm. *Refer to your controller's documentation on how to associate the WWA-01 to another device in your network.* The WWA-01 supports two association groups. A maximum of 5 associated devices are allowed in each group.

§ The WWA-01 sends the Basic Set Command to the associated nodes assigned to Group1 to convey that a Water Alarm is active. If no nodes are assigned to Group 1, then a Binary Sensor Report (value = 0xFF) is broadcast. The reports are sent at regular intervals while the water alarm is active. When the water alarm is cleared via the button, one additional report (with status = no alarm) is sent.

§ The WWA-01 sends the Basic Set Command to the associated nodes assigned to Group2 to convey that a Freeze Alarm is active. If no nodes are assigned to Group 2, then a Binary Sensor Report (value = 0xFF) is broadcast. The reports are sent at regular intervals while the freeze alarm is active. When the freeze alarm is cleared due to temperature rise, one additional report (with status = no alarm) is sent.

During an alarm

If water is detected at the monitoring location, the unit will sound an 82 decibel, audible alarm and will send an alert message to the Z-Wave^{TM} network (if included in the network already). Pressing and holding the button for 2 seconds will clear the Water Alarm. If freezing conditions are detected, no audible alarm will sound but an alert message is sent to the Z-Wave^{TM} network (if included in the

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network). Depending on your Z-Wave controller, it is possible to receive a remote alert.   For example, with some gateway controllers, you can receive an email or cell phone text message when an alarm is activated. With a gateway's remote access and depending on your specific controller's capabilities you will be able to check the status of any WWA-01 in your network.

Choosing a mounting location
The WWA-01 is suitable for use in dry, interior locations only.   Avoid placing the WWA-01 close to a metal frame, or other metal enclosures that may affect RF range. Also, avoid areas with rapid temperature swings.   Place the unit so that any leaks that may occur will not drip directly on the unit.
Recommended WWA-01 uses: Under sink, Next to Sump pumps, Water Heaters, Laundry Room, Bathroom Floor, Storage Area, Garage, Utility Sink, Vacation/Recreation homes, Boats etc.

Low Battery
The WWA-01 will broadcast an alert on the Z-Wave network at regular intervals when it detects a low battery condition. In addition, it will periodically sound an audible 'chirp'. Your controller may be able to be configured to monitor the WWA-01 wake up notifications. If these stop, then this might be an indication that the battery has died or that transmissions from the WWA-01 are no longer be received. Because the audible water alarm draws a large current from the battery, the battery should be replaced each time an actual water leak has been detected. After a water leak, please ensure that there is no moisture in the unit before replacing the battery. Do not install batteries that appear damaged or unsealed. When replacing batteries, the water seal may be broken around the screws. After screwing the parts back together, it is recommended to use some sealant such as silicone caulk around the screws.

FCC Compliance Statement Statements
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.

FCC Warning (Part 15.21). Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

FCC Interference Statement (Part 15.105 (b)). 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 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.

Industry Canada Statement per Section 4.0 of RSP-100. The term "**IC:**" before the certification/registration number only signifies that the Industry Canada technical specifications were met.
Section 7.1.5 of RSS-GEN. 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.

Limited Warranty:
THE PRODUCT IS PROVIDED WITH ONE YEAR LIMITED MANUFACTURER WARRANTY.   FORTREZZ, LLC warrants its products to be free from defects in material and workmanship under normal use for one year, and is not responsible for consequential damages or installation costs of any nature. FORTREZZ, LLC. expressly disclaims all implied warranties, including but not limited to the implied warranties of merchantability and fitness for a particular purpose.   FORTREZZ, LLC. does not warrant, guarantee, or make any representations regarding the use or the results of the use of the products or any accompanying materials in terms of their correctness, accuracy, reliability or otherwise. In no event shall FORTREZZ, LLC. be liable to Purchaser hereunder or in respect of any products ordered or delivered to Purchaser, whether in contract, tort including negligence or otherwise for a loss of profits or loss of use or for any incidental, consequential, special or indirect damages howsoever caused whether or not FORTREZZ, LLC. has been advised of the possibility of such loss or damage. FORTREZZ, LLC's maximum liability to Purchaser under these conditions shall in no event exceed the amount paid by Purchaser for the products that are the subject of the claim and in respect of all claims for products ordered from FORTREZZ, LLC. to which these conditions apply to the amount paid by Purchaser for the products which are the subject of the claims. If you are not comfortable with your limited warranty, or not completely satisfied with the WWA-01, or the WWA-01 does not perform as expected we encourage you to return the WWA-01 to your DISTRIBUTOR for an exchange or for a full refund within 30 days of purchase. Or, you can return the WWA-01 to FORTREZZ with an RGA number.

All products to be returned to FORTREZZ, LLC. must have a valid Returned Goods Authorization (RGA).
Send the returned unit to: **FortrezZ, LLC Warranty Replacement, 3667 W. Auburn Rd. Rochester Hills, MI 48309,** postage prepaid with a payment of US$ 9.95 to cover the cost of return shipping, postage and handling. You must use the original packaging and include a proof of purchase (photocopy of receipt) along with the RGA # and the returned Wireless Water and Freeze Alarm.

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