Water Sensor

Model CFWS10

Owner's Manual

- **Activates When in Contact with Water**
- **Built in Freeze Alert**
- **For Use with the Comm Link and OmniShield App**
- **Internal Horn for Audible Feedback**
- **Backlit LED Icons for Signaling**
- **Long Life Internal Lithium Battery**

Assembled in the USA

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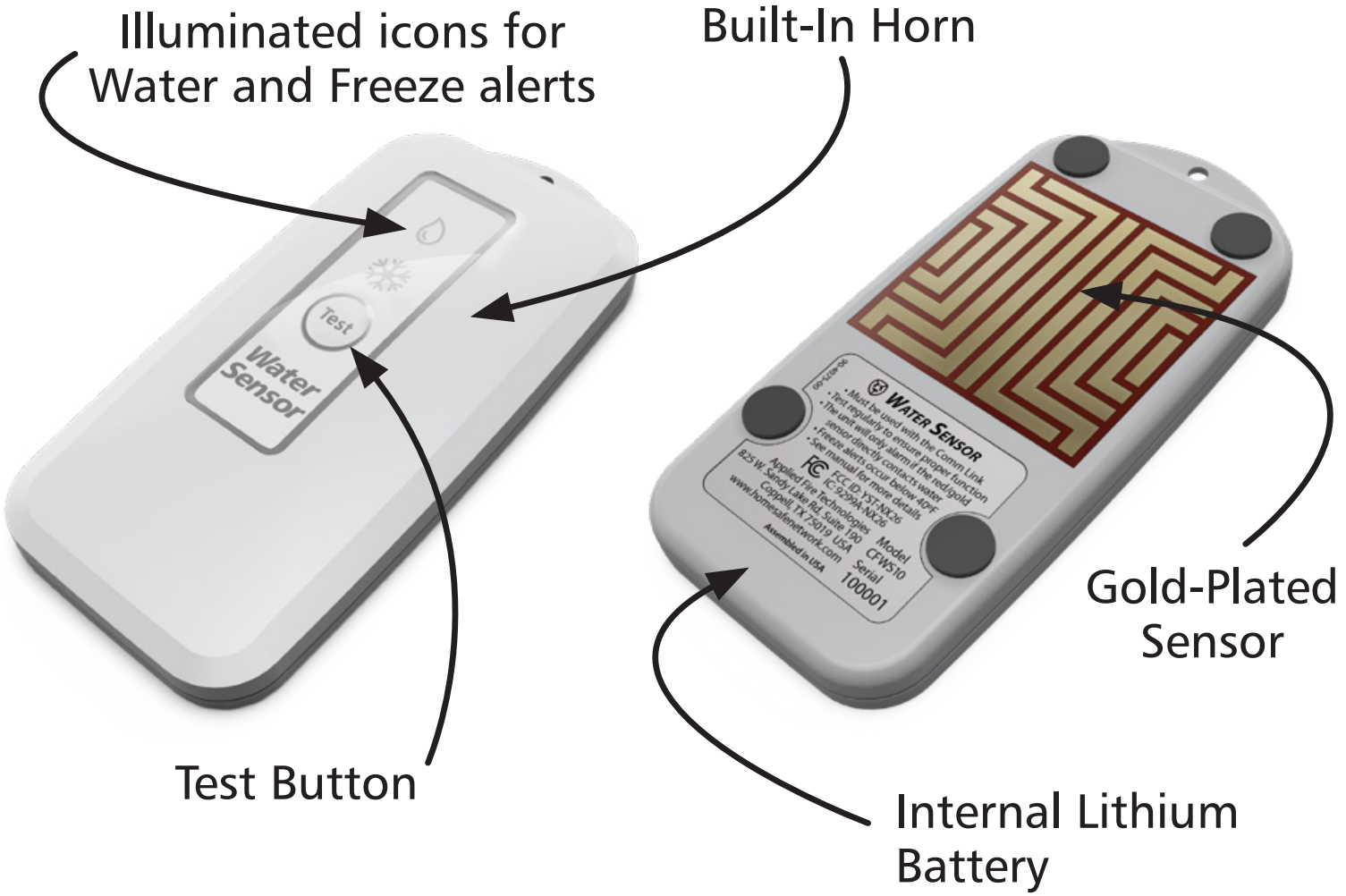
ATTENTION - This manual should be read, followed and retained for future reference.

ALARMS AND SENSORS CANNOT GUARANTEE THAT YOU WILL NEVER SUFFER INJURY OR DAMAGE FROM POTENTIAL HAZARDS IN THE HOME

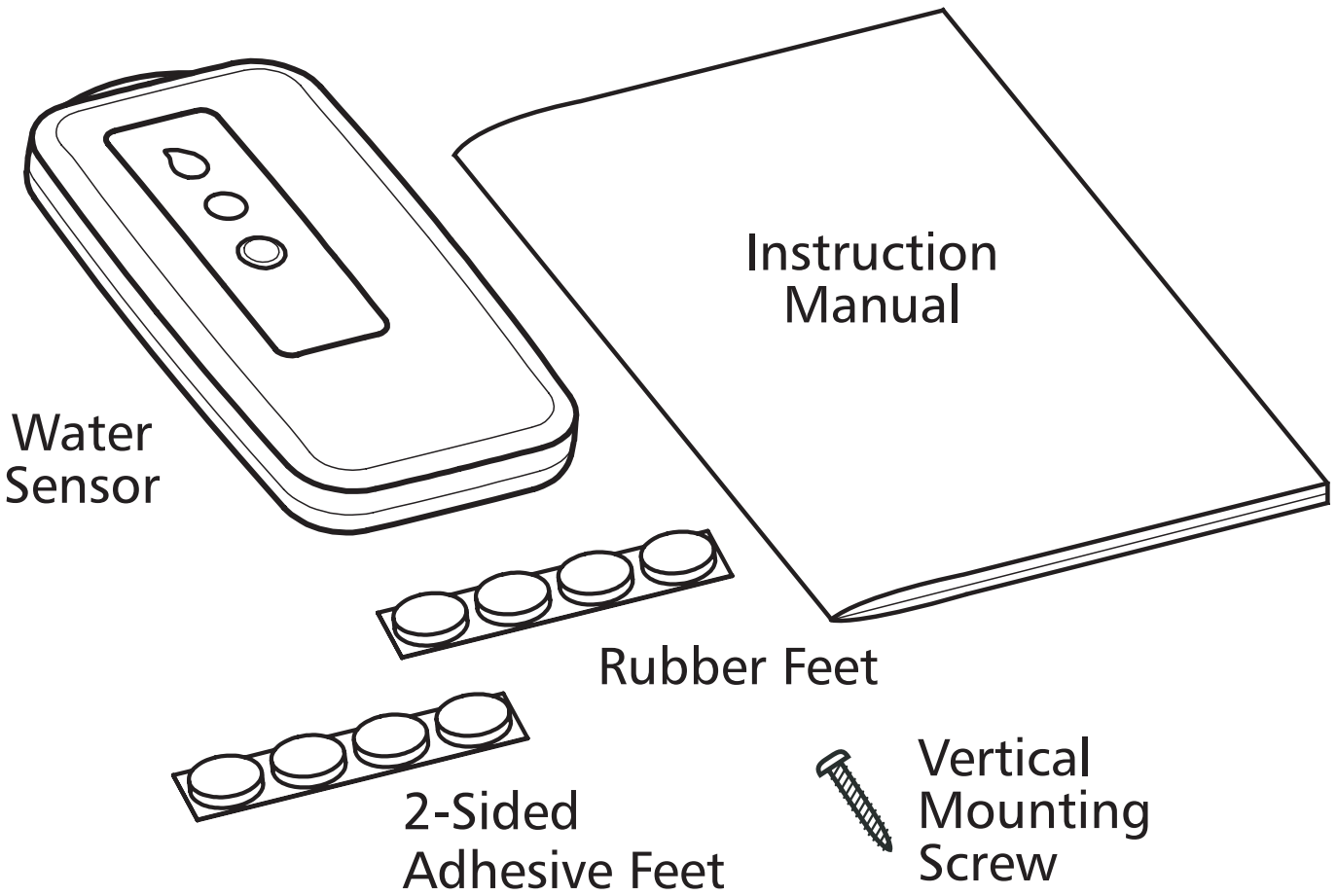
About Your New Water Sensor

Thank you for purchasing the Water Sensor made by Applied Fire Technologies, LLC. When used in conjunction with the company's Comm Link and downloadable OmniShield App, the Water Sensor plays a special role in protecting your home from potentially costly water leaks. Please read and follow the information in this booklet to ensure that your Water Sensor performs at its best.



Contents of Your Kit

Please be sure the following are included in your kit:



Key Features

- Alerts whenever water contacts the gold plated sensor
- Fully compatible with the Comm Link and OmniShield App
- Emits audible, visual and text/email warnings
- Powered by a long-life Lithium battery
- Supplied with multiple mounting options
- Acts as a low temperature freeze alert

General Warnings on Remote Notification and Your Water Sensor

⚠WARNING: This device primarily requires remote notification. Its horn is not loud enough to be relied upon as the primary notifier of a water leak situation.

⚠WARNING: Loss of electrical power or Internet connection will prevent the unit from sending text/email messages.

⚠WARNING: While the Water Sensor and OmniShield branded products are designed to produce cell phone and Internet based warning messages, many factors can and will affect their ability to do so. Things such as a poor internet connection, poor cell phone reception, cell phones turned off, cell phones out of battery, sensors placed out of range, power outages, etc., will prevent messaging.

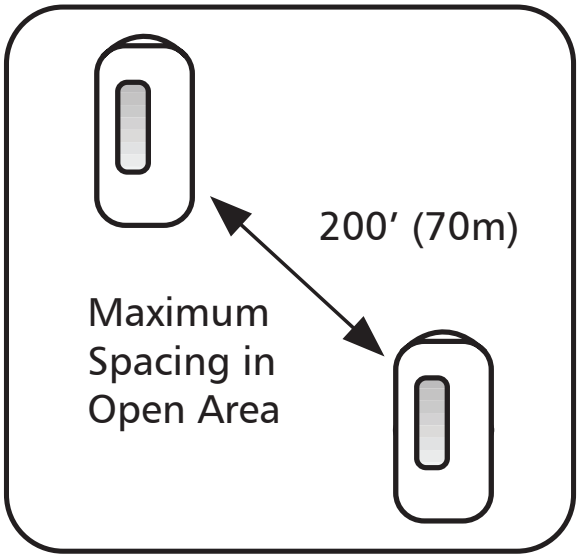
⚠WARNING: This product is intended for use in ordinary indoor locations of family living units.

⚠WARNING: Radio communication between units may fail to take place if significant changes to the home have occurred since installation and testing. Moving large objects such as a refrigerator or metal cabinet could impact performance.

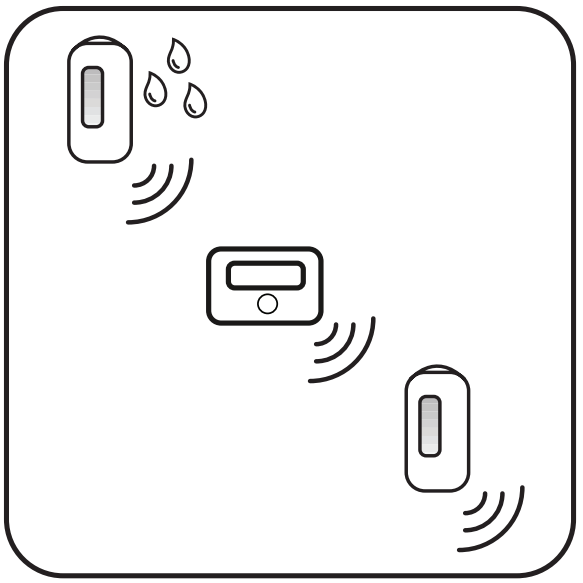
⚠WARNING: Warning signals may not be heard. A deep sleeper, hearing-impaired, young child or someone impaired by drugs or alcohol may not awaken to an activation signal.

NOTICE: Smoke, CO, Heat Alarms, Water Sensors, Bed Shakers and Comm Links are not substitutes for an adequate homeowner's fire/property insurance policy.

Acceptable Spacing for Sensors



The sensor-to-sensor radio communicates using radio frequencies between 905.2MHz and 913.2MHz. The range of this radio has been tested to 200 ft (70m) in open area distance testing. The Comm Link’s WiFi communicates at 2.4GHz, which produces a shorter indoor range.



Each sensor will also act as a repeating station during alarm conditions, so any signal received by a device will be rebroadcast.

Note: Please keep in mind that large metal objects and other obstructions to radio will likely reduce your radio range.

After installation, test all devices for Comm Link reception. Simply press and release the test button of a unit, then check your OmniShield App or text messages.

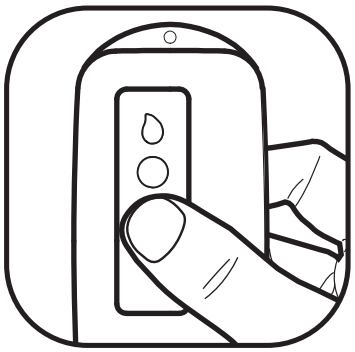
General Note: Do not clean the exterior surfaces and gold/red sensor with harsh detergents. This could damage the unit. Clean with warm water and a damp cloth.

Setting Up Your New Water Sensor

Now that you're familiar with your new Water Sensor, let's get them set up and installed!

The OmniShield App

At this point of your setup you should already have the OmniShield App installed and open on your phone. Make sure that your Comm Link is in binding mode (see Comm Link manual).



Activate Your Water Sensor

To activate your Water Sensor, simultaneously press the button on the front face while touching the gold/red sensor on the back.

The Water Sensor will turn on and display a flashing blue light. After the sensor has bound with your Comm Link, the light will go out.

Install the Water Sensor

Using one of the mounting methods described on Page 8, properly install the sensor in a location that could potentially have a water leak.

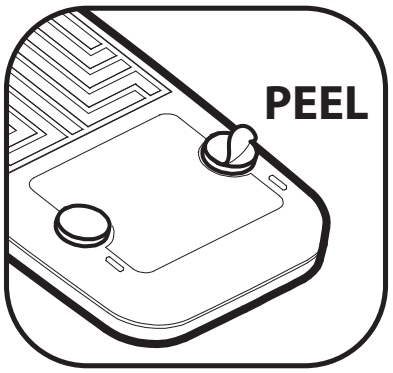
The Water Sensor should be tested monthly. This is done either by pressing the "Test" button on the face or by dampening the red/gold sensor on the back surface. Thoroughly dry the sensor before replacing.

How to Install Your Water Sensor

The Water Sensor is shipped with three different installation options.

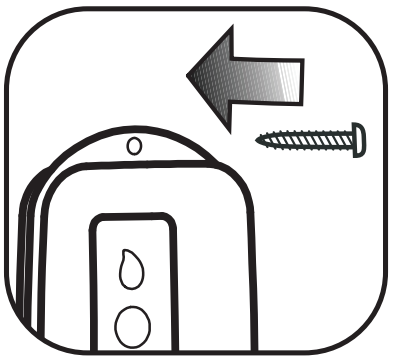
Rubber Feet

The rubber feet are designed to prevent the Water Sensor from sliding on the surface, yet to allow for easy cleaning under the unit. Just peel and stick the feet onto the sensor.



2-Sided Adhesive Feet

The 2-sided adhesive feet are included to create a more durable anti-sliding installation. Use of these feet prevents all movement of the device. Just peel the feet off the liner, stick to the unit, then peel off the secondary liner. Press the unit firmly to the floor/surface.



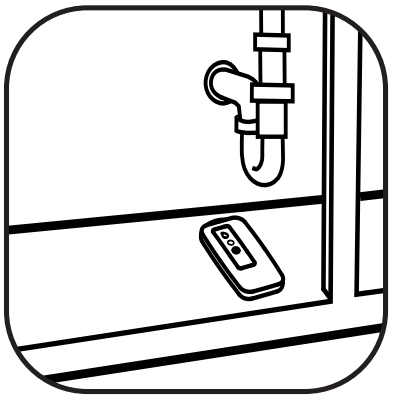
Mounting Screw

The mounting screw is included to allow for wall mounting. In certain situations, a user might prefer mounting the sensor on a vertical surface, above the floor, or in a sump.

Notice: A very significant amount of water will be required to accumulate before it can directly contact a wall-mounted sensor. Be sure that no damage to the building/structure can occur from this water build up.

Where to Install Your Water Sensor

For the Water Sensor to contribute to your home's protection, it must be located near potential sources of water leaks.

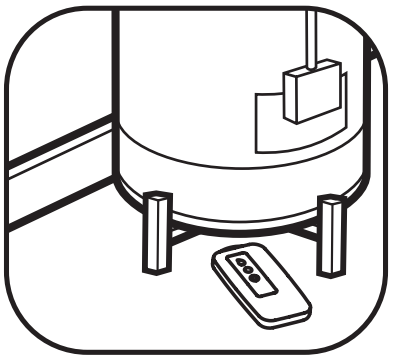


Kitchens

Excellent locations for Water Sensors are under sinks and dishwashers. Be sure that the placement surface is clear and will allow for a flow of water to reach the sensor.

Bathrooms

Placing a Water Sensor under the vanity sink or near the toilet's inlet valve adds protection to the home.



Utility Closets and Basements

Locating a Water Sensor near the washing machine or its inlet valves is a good idea. Other locations can be under your water heater or near the sump pump in a basement.

Additional Recommended Locations

Some additional areas that could benefit from a Water Sensor are: laundry rooms, ice makers, large fish tanks and indoor decorative fountains.

Where NOT to Install Your Water Sensor

In order for the Water Sensor to be effective, liquid water must be able to contact the gold/red sensor on the underside.

Sloped Surfaces

The Water Sensor must be placed in such a way as to ensure that water will move **TOWARDS** the sensor. This is often the lowest spot on a surface. The water must be free to flow, not be absorbed into the ground.

Additional Areas to NOT Install the Sensor

If all of the Water Sensor's feet are not resting on the surface being protected, water may not be able to contact the gold/red sensor. Ensure the unit is properly placed on the surface.

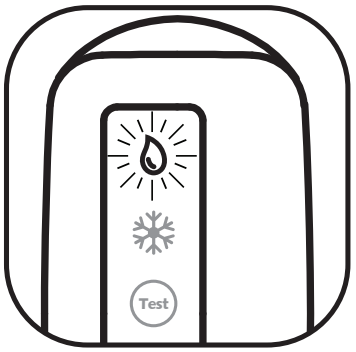
The gold/red sensor cannot directly contact metal or conductive objects. This will cause a text message to be sent stating repositioning is required.

The Water Sensor must be positioned on materials that do not absorb water. Water must be of sufficient quantity and thickness to contact the underside of the unit.

Notice: The small clearance space beneath a water sensor and the surface upon which it rests must be kept clean and clear. Any build up of dirt, dust, animal hair, or other contaminants can prevent water from reaching the unit's sensor!

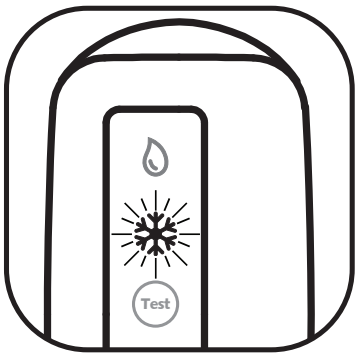
WARNING: The radio built into the Water Sensor can be affected by large metal objects like a water heater, washing machine or cast iron sink. Be sure to fully test the Water Sensor's connection to the Comm Link at time of installation.

Water Sensor Features and Functions



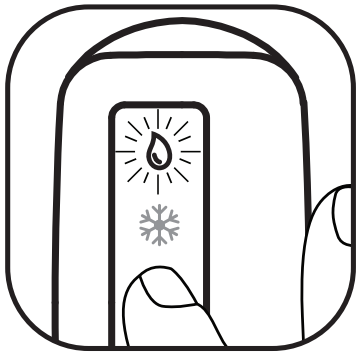
Water Warning Icon (Blue)

The blue water DROPLET will flash blue when water has been detected. This will be accompanied by an audible warning tone. A text message will be sent by the Comm Link.



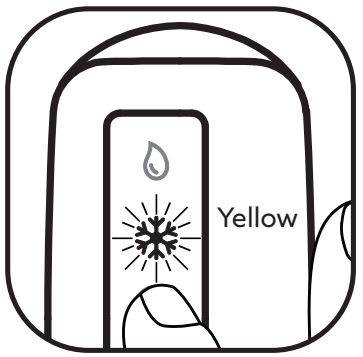
Freeze Warning Icon (Blue)

The blue SNOWFLAKE will flash blue when the surrounding temperature has fallen to 40ºF or below. There will also be an audible warning tone. The Comm Link will send a text message.



Testing the Sensor

A single button press will test the Water Sensor. The unit can also be tested by applying a dab of water directly on the active portion of the sensor. The Comm Link will send a text msg.



Button Commands

The Water Sensor has three built in commands. Step One - press and hold the button, the blue DROPLET will flash rapidly, then the yellow light will begin to flash. Step Two - Release on:

(3) Flashes - Will deactivate the Freeze Alert function. Press the button to toggle on/off the SNOWFLAKE icon.
(5) Flashes - Will allow the sensor to be bound to a network.
(10) Flashes - Will unbind the sensor and turn the unit off.

FCC Compliance and IC Notice:

This device complies with part 15 of the FCC Rules. This device complies with Industry Canada licence-exempt RSS standard(s). 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.

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 this equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

(1) Reorient or relocate the units. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into a different circuit from that to which the receiver is connected. (4) Consult the dealer or an experienced technician for help.

FCC Caution and IC Caution: Any Changes or modifications not expressly approved by the manufacturer could void the user's authority to operate the equipment.

Les changements ou modifications non approuvés expressément par la partie responsable de la conformité pourrait annuler l'autorité de l'utilisateur à faire fonctionner l'équipement.

Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes: (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

DISCLAIMER OF WARRANTIES

APPLIED FIRE TECHNOLOGIES DOES NOT PROVIDE ANY WARRANTY, EITHER EXPRESS OR IMPLIED, WITH RESPECT TO THE WATER SENSOR PRODUCT, THE OMNISHIELD APP, OR ANY OF THE SERVICES DESCRIBED HEREIN. THE IMPLIED WARRANTIES HERE DISCLAIMED PARTICULARLY INCLUDE, BUT ARE NOT LIMITED TO, WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE. SOME STATES DO NOT ALLOW THE EXCLUSION OF IMPLIED WARRANTIES, AND SOME STATES DO NOT ALLOW LIMITATIONS ON HOW LONG AN IMPLIED WARRANTY LASTS, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

YOUR USE OF THE WATER SENSOR, OMNISHIELD APP AND SERVICES IS CONDITIONED UPON YOUR AGREEMENT THAT THE COMPANY HAS NOT PROVIDED ANY EXPRESS WARRANTY, AND TO THE EXTENT PERMITTED BY LAW, HAS NOT PROVIDED ANY IMPLIED WARRANTY, WITH RESPECT TO THE PRODUCT OR APP OR ANY OF THE SERVICES DESCRIBED HEREIN. IF YOU DO NOT AGREE TO SUCH DISCLAIMER OF WARRANTIES, YOU SHOULD NOT USE THE WATER SENSOR.

LIMITATION OF DAMAGES

TO THE EXTENT PERMITTED BY LAW, APPLIED FIRE TECHNOLOGIES, LLC. IS NOT LIABLE FOR ANY INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES IN ANY WAY ARISING OUT OF (1) THE DESIGN OR PERFORMANCE OF THE WATER SENSOR OR THE RENDERING OF SERVICES DESCRIBED HEREIN, OR (2) ANY ACTUAL OR ALLEGED NON-PERFORMANCE OF THE WATER SENSOR OR FAILURE TO RENDER ANY OF THE SERVICES DESCRIBED HEREIN, REGARDLESS OF THE REASONS FOR SUCH NON-PERFORMANCE OR FAILURE, AND EVEN IF THE COMPANY KNEW OR SHOULD HAVE KNOWN OF THE POSSIBILITY OF SUCH INCIDENTAL, CONSEQUENTIAL, OR SPECIAL DAMAGES. THE DAMAGES HERE EXCLUDED PARTICULARLY INCLUDE, BUT ARE NOT LIMITED TO, ANY AND ALL (A) PERSONAL/BODILY INJURY, (B) DAMAGES TO AND LOSS OF THE PRODUCT OWNER'S HOME AND OTHER IMPROVEMENTS CONSTRUCTED ON THE PRODUCT OWNER'S PROPERTY, AND (C) DAMAGES TO AND LOSS OF THE CONTENTS OF AND FIXTURES TO SUCH HOME AND IMPROVEMENTS. SOME STATES DO NOT ALLOW THE EXCLUSION OR LIMITATION OF INCIDENTAL OR CONSEQUENTIAL DAMAGES, SO THE ABOVE LIMITATION MAY NOT APPLY TO YOU.

LIMITATION OF DAMAGES (cont.)

YOUR USE OF THE WATER SENSOR, OMNISHIELD APP AND SERVICES IS CONDITIONED UPON YOUR AGREEMENT TO THE FOREGOING LIMITATION OF DAMAGES. IF YOU DO NOT AGREE TO THAT LIMITATION, YOU SHOULD NOT USE THE WATER SENSOR.

Lifetime Fire/Flood Replacement Policy

The Water Sensor manufacturer guarantees to replace at no cost to the original owner any Water Sensor that has been materially damaged or destroyed by an accidental fire or flood. To obtain a replacement unit under this Lifetime Fire/Flood Replacement Guarantee, you must return the damaged or destroyed Water Sensor to the manufacturer within 90 days of the damage, accompanied by a complete activation report and verification report from the applicable fire department or insurance company. To obtain a replacement under this guarantee, contact the manufacturer at Applied Fire Technologies LLC, 825 W. Sandy Lake Rd., Ste. 190, Coppell, TX 75019 USA or at (972) 304-3923 to receive information as to the address to which you should send your damaged or destroyed Water Sensor and accompanying information.

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