



Ecolink WST-621 Flood and Freeze Sensor Instruction Manual

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Ecolink WST-621 Flood and Freeze Sensor



Product Information

The WST-621 Flood and Freeze Sensor is a patent-pending device that operates at a frequency of 319.5 MHz and uses a 3Vdc lithium CR2450 (620mAh) battery. It is compatible with Interlogix / GE receivers and has a supervisory signal interval of approximately 64 minutes.

Enrolling the Sensor

To enroll the sensor, set your panel into sensor learn mode. Refer to your specific alarm panel instruction manual for details on these menus. Flood and freeze will enroll on separate serial numbers.

1. Locate the pry points on opposite edges of the sensor. Carefully use a plastic pry tool or standard slot head screwdriver to remove the top cover. (Tools not included)
2. Insert the CR2450 battery with the (+) symbol facing up, if not already installed.
3. To learn in as a flood sensor, press and hold the Learn Button (SW1) for 1 – 2 seconds, then release.

Testing the Unit

After successful enrollment, a test transmission sending current states can be initiated by pressing and immediately releasing the Learn Button (SW1), with the top cover open. The LED will remain solid ON during the button-initiated test transmission. With the unit fully assembled and sealed, placing wet fingers on any two probes will trigger a flood transmission. Note the LED will not illuminate for a wet flood test and remains OFF during all normal operations.

Placement

Place the flood detector anywhere that you wish to detect a flood or freezing temperature, such as under a sink, in or near a hot water heater, in a basement, or behind a washing machine.

FCC Compliance Statement

The WST-621 Flood and Freeze Sensor complies with FCC ID: XQC-WST621 IC:9863B-WST621.

Product Warranty

The maximum liability for Ecolink Intelligent Technology Inc. under all circumstances for any warranty issue shall be limited to a replacement of the defective product. It is recommended that the customer check their equipment on a regular basis for proper operation.

Ecolink Intelligent Technology Inc. is located at 2055 Corte Del Nogal, Carlsbad CA 92011. For customer support,

please call 855-632-6546.

SPECIFICATIONS

- **Frequency:** 319.5 MHz
- **Battery:** One 3Vdc lithium CR2450 (620mAH)
- **Battery life:** up to 10 years
 - Detect Freeze at 41°F (5°C) restores at 45°F (7°C)
 - Detect a minimum of 1/64th in water
- **Operating Temperature:** 32° – 120°F (0° – 49°C)
- **Operating Humidity:** 5 – 95% RH noncondensing
- Compatible with Interlogix/GE receivers
- **Supervisory signal interval:** 64 min(approx.)

OPERATION

The WST-621 sensor is designed to detect water across the gold probes and will alert immediately when present. The Freeze sensor will trigger when the temperature is below 41°F (5°C) and will send a restoral at 45°F (7°C).

ENROLLING

To enroll the sensor, set your panel into sensor learn mode. Refer to your specific alarm panel instruction manual for details on these menus. Flood and freeze will enroll on separate serial numbers.

1. On the WST-621 locate the pry points on opposite edges of the sensor. Carefully use a plastic pry tool or standard slot-head screwdriver to remove the top cover. (Tools not included)
2. Insert the CR2450 battery with the (+) symbol facing up, if not already installed.
3. To learn in as a flood sensor, press and hold the Learn Button (SW1) for 1 – 2 seconds, then release. A single shot on/off blink at 1 second confirms flood learn is initiated. The LED will remain solid ON during the learning transmission. Repeat as required.
4. To learn the freeze sensor, press and hold the Learn Button (SW1) for 2 – 3 seconds, then release. A single shot on/off blink at 1 second plus a double on/off blink at 2 seconds confirms freeze learn is initiated. The LED will remain solid ON during the learning transmission. Repeat as required.
5. After successful enrollment, verify the gasket in the top cover is properly seated, then snap the top cover onto the bottom cover aligning the flat sides. Inspect the seam all the way around the edge of the device to ensure it is completely sealed.

Testing the Unit

After successful enrollment, a test transmission sending current states can be initiated by pressing and immediately releasing the Learn Button (SW1), with the top cover open. The LED will remain solid ON during the button-initiated test transmission. With the unit fully assembled and sealed, placing wet fingers on any two probes will trigger a flood transmission. Note the LED will not illuminate for a wet flood test and remains OFF during all normal operations.

PLACEMENT

Place the flood detector anywhere that you wish to detect a flood or freezing temperature, such as under a sink, in

or near a hot water heater, a basement or behind a washing machine.

REPLACING THE BATTERY

When the battery is low a signal will be sent to the control panel. To replace the battery:

1. On the WST-621 locate the pry points on opposite edges of the sensor, carefully use a plastic pry tool or standard slot head screwdriver to remove the top cover. (Tools not included)
2. Carefully remove the old battery.
3. Insert the new CR2450 battery with the (+) symbol facing up.
4. Verify the gasket in the top cover is properly seated, then snap the top cover onto the bottom cover, aligning the flat sides. Inspect the seam all the way around the edge of the device to ensure it is completely sealed

FCC COMPLIANCE STATEMENT

This equipment has been tested and found to comply with the limits for Class B digital devices, pursuant to 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.

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 instruction manual, 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:

- Re-orient or relocate the receiving antenna
- Increase the separation between the equipment and the receiver
- Connect the equipment to an outlet on a different circuit from the receiver
- Consult the dealer or an experienced radio/TV contractor for help.

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Warning:

Changes or modifications not expressly approved by Ecolink Intelligent Technology Inc. could void the user's authority to operate the equipment. This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions:

1. This device may not cause interference, and
2. This device must accept any interference, including interference that may cause undesired operation of the device.

- **FCC ID:** XQC-WST621
- **IC:** 9863B-WST621

WARRANTY

Ecolink Intelligent Technology Inc . warrants that for a period of 5 years from the date of purchase this product is free from defects in material and workmanship. This warranty does not apply to damage caused by shipping or handling, or damage caused by accident, abuse, misuse, misapplication, ordinary wear, improper maintenance, failure to follow instructions, or as a result of any unauthorized modifications. If there is a defect in materials and workmanship under normal use within the warranty period Ecolink Intelligent Technology Inc. shall, at its option, repair or replace the defective equipment upon return of the equipment to the original point of purchase. The foregoing warranty shall apply only to the original buyer and is and shall be in lieu of any and all other warranties, whether expressed or implied, and of all other obligations or liabilities on the part of Ecolink Intelligent Technology Inc. neither assumes responsibility for nor authorizes any other person purporting to act on its behalf to modify or to change this warranty.

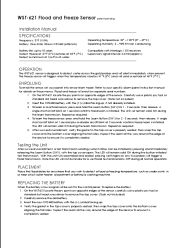
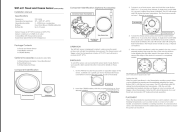
The maximum liability for Ecolink Intelligent Technology Inc. under all circumstances for any warranty issue shall be limited to a replacement of the defective product. It is recommended that the customer check their equipment on a regular basis for proper operation.

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PN WST-621 R1.00
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patent pending.

Documents / Resources

	Ecolink WST-621 Flood and Freeze Sensor [pdf] Instruction Manual WST621, XQC-WST621, XQCWST621, wst621, WST-621, Flood and Freeze Sensor, WST-621 Flood and Freeze Sensor, Freeze Sensor, Sensor
	Ecolink WST-621 Flood and Freeze Sensor [pdf] Instruction Manual WST621, XQC-WST621, XQCWST621, wst621, WST-621, Flood and Freeze Sensor, WST-621 Flood and Freeze Sensor, Freeze Sensor, Sensor