

ELK-319WA Water Sensor



DESCRIPTION

The ELK-319WA is a Supervised, Wireless Water Sensor designed so that the transmitter mounts on a wall or other flat vertical surface, and the remote probe is placed in the location where water leakage is most probable.

Moisture forming a bridge between the two metallic contacts on a remote probe is all that is needed for the unit to signal an alarm condition. The output on the ELK-319WA will remain in alarm state until the moisture bridge is broken. As sensitive as the water sensor is, it will not alarm due to high humidity or condensation. The ELK-319WA is ideal for use in homes, offices, computer rooms, warehouses, etc.

Note: The ELK-319WA water sensor is not a self-contained warning sensor device. For proper operation, it must be used in conjunction with a compatible learn-mode 319.5 MHz alarm control panel. This sensor is compatible with Elk's 319MHz Receivers/Panels as well as many other panels that operate on the 319.5MHz Frequency and adhere to the ITI/Interlogix protocol.

FEATURES

- Water detection when liquid makes contact with probe
- Contacts above floor level to prevent false floor condensation detection
- Checks for water constantly, requires two positive checks for a valid alarm
- Battery checked every hour
- Batteries (2) CR2032
- Tamper Switch: Located inside transmitter

SPECIFICATIONS

RF frequency: 319.5 MHz

Compatibility: ELK-319 Receivers/Panels & other panels that operate on the 319.5MHz Freq. and adhere to the ITI/Interlogix protocol

Battery type: Two (2) CR2032 3VDC lithium coin-cell (Panasonic, Energizer, or Duracell CR2032)

Code Outputs: Tamper, Tamper Restore, Alarm, Alarm Restore, Low Battery

Operating

Temp Range: 32° to 122°F (-40° to 60° C)

Dimensions Transmitter: 2.71" H x .95" W x .56" D
Probe: .7" W x 1.77" L x .38" D

Cable Length 72"

INSTALLATION

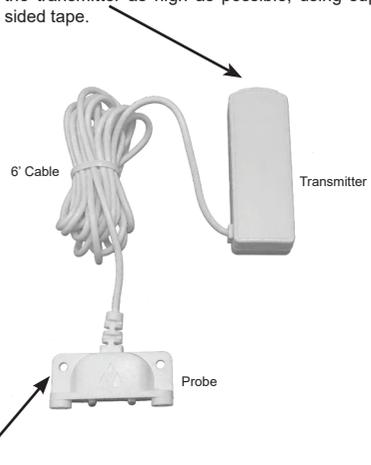
When mounting the wireless device make sure it is not mounted on metal or where there are any large metal objects between the device and the control panel, this can be tested prior to or after installation.

Mounting the probe to a vertical surface like a wall enables you to monitor an area for rising water levels. Use where ever unwanted water may accumulate. Suggested areas near: water heater, washing machines, under sinks, and sump pumps.

MOUNTING

The ELK-319WA consists of a water probe with a 6' cable attaching it to the transmitter.

Mount the transmitter as high as possible, using supplied double sided tape.



Probe mounts directly to the floor or can be attached to a wall using tape or screws.

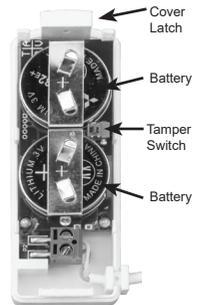
PROGRAMMING (ENROLLMENT)

The following is a general guideline for programming (enrolling) a sensor into the receiver or panel. For more extensive instructions please refer to the receiver or panel instructions.

1. Place panel into the Program mode.
2. Proceed to the WIRELESS SETUP menu.
3. Select the appropriate zone/sensor location number.
4. When prompted by the panel to trip the sensor for learning:

- Remove sensor cover and remove battery pull tabs to power up the sensor. Press and release the tamper plunger.

- The panel should acknowledge the sensor has been learned by keypad display and/or audio alert (depending on the panel). If enrollment fails try pressing and releasing the tamper plunger a second time. In some cases it may be necessary to remove and reinstall the batteries.



5. Repeat the above process for any additional wireless sensors. Proceed to the zone programming to assign each sensor's zone definition.

NOTE: Loop assignment must be set for " 2 " for ELK M1 & E27 Controls

6. Exit programming mode when finished.

TESTING THE SENSOR

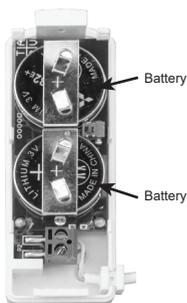
To test the operational status, form a water bridge between the two metallic contact points with a moistened finger or cloth. If working properly, the detector will activate the warning device to which it is connected within approximately three seconds. The detector will reset automatically when the probe dries and there is no longer a water bridge between the two metallic contact points.

BATTERY REPLACEMENT

Low Battery trouble will be transmitted when the sensor battery needs to be replaced.

NOTE: Replace both (2) batteries within 7 days following a low battery trouble indication.

- Remove the cover from the sensor.
- Carefully slide out the old batteries.



- Observe Polarity shown on the lithium coin-cell battery and slide two (2) new batteries into the holders with the positive "+" side facing UP away from the circuit board.

CAUTION: Use only approved 3.0VDC Lithium Battery: Panasonic CRT2-32, Energizer CR2032, or Duracell DL2032

- Replace the sensor cover. Test activate the device at least five times.

BATTERY WARNING:

Risk of fire, explosion and burns. Do not attempt to recharge or disassemble. Do not incinerate or expose to heat above 212° F (100° C). Dispose of used batteries properly. Keep away from children.

FCC AND IC COMPLIANCE STATEMENT:

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.
- 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.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 cm is maintained from the general population.

FCC: 2ABBZ-WIN-WATER-319
IC: 11817A-RFWINWATER319

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. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

This Class B digital apparatus complies with Canadian ICES-3B. Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

Limited Warranty

THIS WIRELESS SENSOR IS WARRANTED TO BE FREE FROM DEFECTS AND WORKMANSHIP FOR A PERIOD OF 2 YEARS FROM DATE OF MANUFACTURE EXCLUDING BATTERIES. BATTERIES USED WITH WIRELESS DEVICES ARE NOT WARRANTED.

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NOTE: Elk Products is not responsible for any changes or modifications not expressly approved by the party responsible for compliance. Such modifications could void the user's authority to operate the equipment.