WS-LD   Water Sensor

Water Sensor is specially designed to detect if the water level is above a certain level that may damage your protected goods. It is a device that helps to manage your protected place and goods by keeping it nice and dry.

● Identifying the parts:

1 | **Antenna**

2 | **Learn / Test button**
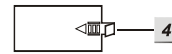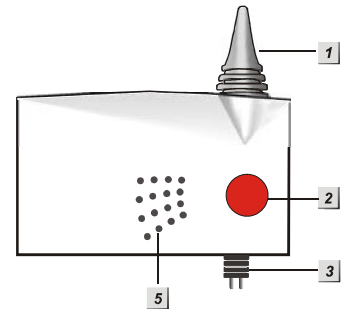This button is used for testing the radio performance and for learning purpose.

3 | **Probe**

4 | **Battery lid**
This Probe is used for detecting the increasing water level.

5 | **Buzzer**

6 | **Extension black wire with Probe**

● Battery:

The WS-LD uses one 9V alkaline battery as its power source. The battery is good for at least 3 years before it needs changing.

Low battery detection operates at a threshold of 3.3V ±10 % where the WS-LD has enough reserve power to typically operate for 3 months before complete exhaustion. The WS-LD low battery signal will be enunciated by one beep for every 45 secs.

<NOTE>

☞ WS-LD will perform one beep when the power is on.

☞ WS-LD will only send low battery signal every 24 hrs after continuous 10 hrs of low battery detection.

☞ WS-LD will only detect the low battery when an alarm has been activated. The low battery signal will be sent to the Control Panel along with the alarm signal transmission for the Control Panel to display the status accordingly.

● GETTING STARTED:

I. For CTC-1002:

- Remove the screw to separate the top cover from the base.
- Insert the battery with negative of the battery on the spring side.
- Place the top case over the base.
- Put the Control Panel into "**Device +/-**" menu and ten select "**Add Device**" menu.
- Press any buttons on the WS-LD
- Refer to the operation manual of your control panel under the section of "**Device +/-**" to complete the learn-in process.

II. For VCM:

- Remove the battery lid by pushing and sliding it with the direction of arrow on the bottom of WS-LD
- Insert the battery with negative of the battery on the spring side.
- Clips the battery lid to the base.
- Program the VCM by pressing and holding the red button on the bottom for 5 secs, a short beep will be sound. Then release the button, VCM will perform a long beep will with LED On..
- Press the red button on WS-LD.
- VCM will perform two beeps with LED flash if the signal received successfully and completes the learning-in procedures.

<NOTE>

- ☞ VCM will perform one short beep indicating that the WS-LD is already in the system.

● MOUNTING WS-LD:

I. Clean the surface with a suitable degreaser.

II. Remove the protective covering from one side of the double-sided adhesive pad and firmly apply to the back of the device.

III. Next remove the other cover and firmly press the item onto the desired location.

<NOTE>

- ☞ Do not use the adhesive pad method of installation on a surface with peeling or cracked paint, or on a rough surface.

● NORMAL OPERATION:

Mount the WS-LD on the wall whereas drop the black wire onto the floor level or any height that you want to detect the increasing water level.

- When the probes first come in contact with water, WS-LD gives out continuous warning beeps at a 50% duty cycle for every two seconds, and sends an alarm signal to the control panel every two minutes to notify the user.

- With water condition persists, WS-LD will keep performing the warning beeps and sending the alarm signal to the control panel

<NOTE>

- ☞ After probes are no longer in contact with water, the warning beeps will be eliminated and WS-LD sends a restore signal to the Control Panel indicating the water condition has been cleared. WS-LD then enters Normal Operation Mode.

- ☞ During the alarming period, whenever the water ebbs, WS-LD enters Normal Operation Mode.

● Supervisory Signal

After installation, the WS-LD will automatically transmit Supervisory Signals periodically to the Control Panel at intervals of 24 hrs randomly.

FEDERAL COMMUNICATIONS COMMISSION INTERFERENCE 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.

CAUTION:

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

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.