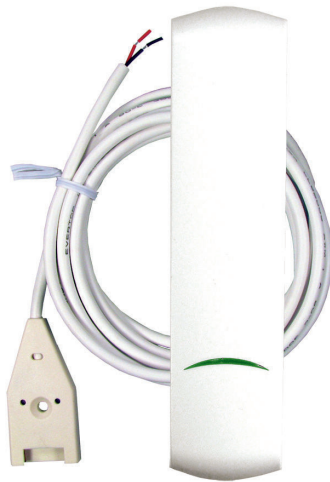


# wLSN Water Sensor/Low-temperature Sensor

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- ▶ Detects a water puddle with a minimum 77 mm (3 in) diameter and 2.5 mm (0.1 in) depth
- ▶ Sends a signal to the wLSN Hub in approximately 5 sec from when the probe is submerged in water
- ▶ If enabled, sends a signal to the wLSN Hub when the device temperature drops below +7°C (+45°F)
- ▶ Provides a Detector Status LED (green)
- ▶ Uses RF Signal Strength (RFSS) mode to determine suitability of chosen installation location

The wLSN Water Sensor/Low-temperature Sensor detects water spilled or leaking onto a solid surface. Use it in security systems for monitoring hot water heaters, clothes washers, basement water (sump pump failures) and refrigerator water leaks. It can also be used to monitor temperature to warn of potential water pipe freezing.



#### Notice

The water sensor is not intended to monitor water levels in storage tanks or liquids other than water, nor is it intended to be permanently submerged in water and detect the absence of water.

#### Functions

##### RF Signal Strength (RFSS) Mode

The RFSS mode provides the ability to evaluate RF signal strength between the wLSN Hub and devices before, during, and after installation. Device LEDs flash to indicate the level of signal quality and, if used, the wLSN Installation Tool indicates signal strength.

#### Water Probe

As provided, the water probe has 2 m (6 ft) long leads which connect to the transceiver module through a two position, plug-in style terminal block within the transceiver module enclosure. Lead length can be shortened to meet the needs of a particular installation.

#### Low-temperature Sensor

Monitors the air temperature at the transceiver module housing (not at the water probe) and sends a signal to the wLSN Hub when the temperature falls below +7°C (+45°F) for more than 30 sec.

#### Certifications and approvals

Region	Certification
Europe	CE 2004/108/EC EMC Directive (EMC); 2006/95/EC Low-Voltage Directive (LVD); 1999/5/EC Radio equipment and

## Installation/configuration notes

### Compatibility Information

The wLSN Water Sensor is compatible with the Easy Series Control Panel, release 3.1 or later, and the wLSN Hub, release 3.0 or later.

#### Notice

Compatibility with Easy Series Control Panel version 2.5 requires the installer to change the point type to "24-Hour" (from "Perimeter").

### Mounting Considerations

Mount the water sensors on interior walls or other hard surfaces where they are protected from weather elements such as rain or snow. Mount the water probe where a risk of puddling is anticipated.

#### Notice

Installation on metal surfaces or installation where large metallic objects are between the transceiver and the wLSN Hub can affect the RF propagation pattern of the radio transceiver.

The RF transceiver has an RF range of approximately 1000 m (3000 ft) in open air. In normal operation, the actual RF range depends on building construction and other factors.

## Parts included

Quant.	Component
1	Transceiver module (batteries included)
1	Water probe
1	Hardware pack
1	Literature

## Technical specifications

### Environmental Considerations

Environment:	Indoor, dry
EN50131-1 :	Environmental Class II
Relative Humidity:	Up to 95%, non-condensing
Temperature (operating):	-10°C to +55°C (+14°F to +131°F)

### Mechanical Properties

Color:	Off-white
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### Dimensions (H x W x D)

Transceiver Module:	13.5 cm x 3.5 cm x 2.5 cm (5.3 in x 1.4 in x 1.0 in )
Water Probe:	2.3 cm x 5.1 cm x 0.6 cm with 2 m leads (0.9 in x 2.0 in x 0.25 in) with 6 ft leads

## Power Requirements

### Battery Power

Battery Life:	2-2.5 years under normal operating conditions.
Battery Requirements:	Two AA Alkaline batteries
Recommended Replacements:	Duracell MN1500 or PC1500, Eveready E91, Panasonic AM-3PIX/B
Voltage (supply):	2.3 VDC to 3.0 VDC

### Transmission and Reception Characteristics

Frequency:	European Security Band 868 MHz to 869 MHz
Range (open field):	1000 m (3000 ft)

### Trademarks

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## Ordering information

### wLSN Water Sensor/Low-temperature Sensor

Detects water spilled or leaking onto a solid surface and monitors temperature to warn of potential water pipe freezing.

Order number **ISW-BWL1-SX**

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