

WSG WIRELESS SPOT WATER DETECTION SENSOR

INTRODUCTION

The WSG Wireless Spot Water Detection sensor provides remote leak detection monitoring without running wires. Contact data is sent from the sensor to the WSG30 via an integrated 2.4GHz Wireless radio. The device can transmit its signal up to 300' indoors and even greater distances when it has line-of-site. The WSG30 series of Wireless sensors also feature mesh networking technology, which allows each sensor to be used as either a Wireless sensor/router or as a low-power battery operated sensor (also referred to as an end point). When used as a router, greater distances can be realized because each sensor/router adds another 300' of range to the system. The sensor comes with 3 AA alkaline batteries which will power the sensor for up to 2 years (end point mode). An optional plug-in power supply is also available, in which case the batteries function as backup power if main AC power fails (power supply required for router mode).



NOTE: Do not install the sensor in a dirty, humid, or corrosive environment. Do not install the sensor in close proximity to other 2.4GHz devices (WiFi, etc).

PACKAGE CONTENTS

(1) Wireless Spot Water Detection Sensor (3) AA Alkaline batteries

INSTALLATION SUMMARY

- 1) Locate the sensor serial number on the small white label inside the sensor enclosure .
- 2) Enter the serial number into the WSG30 using the web page or keypad.
- 3) Mount the sensor.
- 4) Attach power supply if using as a router and install the batteries.
- 5) Watch the LCD or web page to confirm that the sensor has connected with the WSG30.

SENSOR REGISTRATION

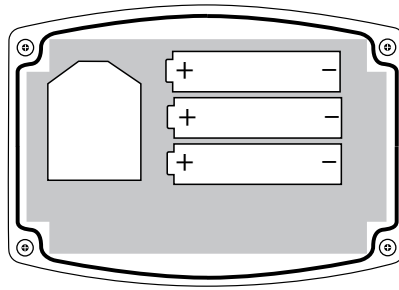
Before you power-up the sensor you must enter the serial number, located on the small white label inside the sensor enclosure, into the WSG30. You can do this with the WSG30 web page or you can enter it using the WSG30 keypad (see Sensor Registration earlier in this manual). Just be sure to jot down the serial number before you attach the sensor to the wall.

BATTERY INFORMATION

The Wireless Spot Water Detection Sensor can operate for up to 2 years on a good set of AA alkaline batteries when the sensor is configured as an end device with a 3 second sampling interval. Faster sampling intervals will reduce battery life. .

BATTERY INSTALLATION

Remove the four screws on the bottom of the enclosure. Carefully separate the top fo the enclosure from the bottom. Locate the three battery clips on the circuit board. Take note of the polarity markings identifying the positive and negative ends of the batteries. Install the batteries in the clips. Re-attach the top and bottom cover with the four screws.



Proper battery installation

SPECIFICATIONS

Operating Temperature Range: 32° to 122° F (0° to 50° C)

Operating Humidity: 5- 90% RH non-condensing

Range (Indoor/Urban): Up to 250' (76m)

Transmit Power Output: 100mW (20dBm)

Operating Frequency: ISM 2.4 GHz

Power: (3) AA alkaline batteries

Battery Life: Up to 2 years @ Sampling frequency = 3 seconds

Dimensions: 6.8" x 3.5" x 1.5" (

Housing: White plastic

*Specifications subject to change without notice