MOCREO®

LW1 Water Leak Sensor
User Manual

Introduction

Introduction & How It Works
LW1 Sensor — Your Smart Water Leak Alert Sensor
LW1 Sensor — Your Smart Water Leak Alert Sensor

Key Features:

Multi-point Leak Detection: Detects water through the bottom, side, and top contacts, identifying the severity of leaks.

Freezing Alert: Provides a warning when ambient temperature drops near freezing (≤ 32°F / 0°C).
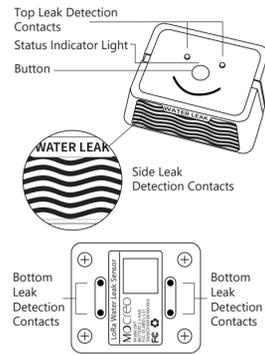
How It Works

1.The LW1 Sensor detects water leaks using conductive contacts on multiple sides.

2.The sensor transmits leak and freezing alert data wirelessly to the MOCREO Cloud via the connected Hub (if available).

3.Alerts are displayed in the MOCREO App for real-time monitoring.

Tips: The Hub shown above is for illustration only. The LW1 Sensor can also work with other compatible MOCREO Hubs.

Product Parameter

LW1 Sensor

Top Leak Detection Contacts
Status Indicator Light
Button
WATER LEAK
Side Leak Detection Contacts
Bottom Leak Detection Contacts
Bottom Leak Detection Contacts

Specifications

Model	LW1
Wireless Protocol	LoRa
Communication Range	1640ft/500m (No obstacles)
Dimensions (H x W x D)	74 mm x 60 mm x 26 mm
Weight	83 g (2.93 oz)
Power Supply	2 x AAA Batteries
Buzzer Sound Level	105 dB (3.94 inches/10cm)
Operating Temperature	32°F to 122°F (0°C to 50°C)
Waterproof & Dustproof Rating	IP67

LW1 Sensor Indicator & Button Behavior

Function		LED & Sound Response
Power On / Restart		Red LED flashes once and one short beep.
Water Detected		Red LED blinks slowly while water is present.
Water Removed		LED turns off.
Button	Single Press	• **LED:** Red LED flashes once • **BEEP:** One short beep
	Double Click	• **BEEP:** Two quick beeps

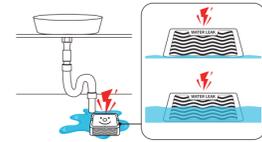## Button Actions and Expected Behavior

Single Press:
Function: Communication test with Hub.

normal:
• LED flash + beep → Communication with hub is OK.

abnormal:
• LED flash, no beep → Communication failure with hub.
• No LED, no beep → Power failure (check batteries).

Note: Before setup, LED only (no beep) is normal. Add the sensor in the app.

Double Click:

Function: Volume level switch.
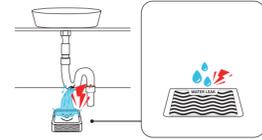
Cycles buzzer volume: High ↔ Low ↔ High ...

Water Leak Detection Stages

Bottom & Side Leak Detection Contacts

Top Leak Detection Contacts

Setup

❶ **Download MOCREO Smart App**

MOCREO Smart

❷ **Power the Hub**
Plug in your Hub and wait for the indicator light to turn on.

❸ **Add the Hub**
Open the MOCREO Smart App and add your Hub.
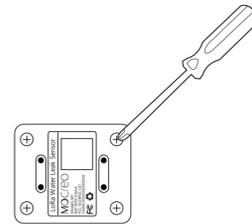
❹ **Add the Sensor**
After the Hub is added, add your **LW1 Sensor** in the app.

Tip: Add the hub first, then the sensor.

Battery Replacement

Use a screwdriver to remove the four screws on the bottom cover of the sensor, and replace the two AAA batteries currently used in the LW1 Sensor.

Customer Service

🔲 https://doc.mocreo.com/

📞 +1 (530) 988-8608

✉ help@mocreo.com

📺 You Tube MOCREO

User Guide Manual

Search [MOCREO] on YouTube to watch the setup video tutorials.

FCC ID (LW1 Sensor): 2BFZL-LS1