

MOCREO®

SW2 Water Leak Sensor

User Manual

Contents

Introduction

What's in the Box

Product Parameter

Setup

Installation

Test the Effective Distance

How the System Works

Somthing about the Sensor

Battery

Configuration

Troubleshooting

Warranty

Customer Service

Disclaimer

FCC Statement

1

2

3

4

5

6

7

8

9

10

11

12

13

14

15

16

17

18

19

20

Introduction

● SW2 Sensor with two sensitive inductive probes, as soon as there is a leak, it will immediately detect and alarm

● With 39inch/ 1m waterproof probe to easily reach any tight corner, such as under the washing machine or next to the dishwasher.

● 4 Alarm Methods: 95dB Sensor Beep, E-Mail Alert, App Push Notification, Hub Beep.

● SW2 Water Leak Sensor will monitor in real time, you can browse and get notifications via the MOCREO App at anytime, anywhere.

● Support multi-platform access: MOCREO App/Web Portal.

What's in the Box

Sensor Body

x1

1m Sensor Probe

x1

Micro USB Cable

x1

Adhesive

x1

Pin Clip

x1

User Manual

x1

Sensor Body

x1

SV 1A Charging Port

Sensor Pinhole

Probe Port

Indicator Light (Built in)

Beeper

Sensor Probe

x1

Inductive Probe

3.5mm Male Plug

Product Parameter

| | |
|---------------------------|------------------------------|
| Model | SW2 |
| Wireless Connection | Bluetooth |
| Communication Range | 1640 ft/500 m(No obstacles) |
| Dimensions | 2.4 × 2.4 × 0.7 in |
| Weight (Including probe) | 2.9 oz (82 g) |
| Battery (Rechargeable) | 3.7V 1800mAh Lithium Battery |
| Working Temperature Range | 14° - 131°F(-10° - 55°C) |
| Working Humidity Range | 0 ~ 95% RH |
| Noise Level | 95dB |

Specifications

| | |
|---------------------------|------------------------------|
| Model | SW2 |
| Wireless Connection | Bluetooth |
| Communication Range | 1640 ft/500 m(No obstacles) |
| Dimensions | 2.4 × 2.4 × 0.7 in |
| Weight (Including probe) | 2.9 oz (82 g) |
| Battery (Rechargeable) | 3.7V 1800mAh Lithium Battery |
| Working Temperature Range | 14° - 131°F(-10° - 55°C) |
| Working Humidity Range | 0 ~ 95% RH |
| Noise Level | 95dB |

Setup

1 Download MOCREO App

Search "MOCREO Sensor" on Google Play/App Store or scan the QR Code below to download the MOCREO Sensor App and register a MOCREO account on the App Before adding Sensors, Please ensure that the Hub is successfully bound. If you have not setup a Hub, please consult the Hub Manual or SW2 Water Leak Sensor Kit Manual to setup the Hub.

Google Play

App Store

MOCREO App

2 Setup Tutorial

Make sure the Bluetooth is ON during the whole setup process.

3 Turn on the Bluetooth

4 Sensor Joins the Hub

Tap the [+] Button at the upper right of the MOCREO Home Page and select "Water Leak Sensor - SW2".(Please ensure that the Hub is successfully bound)

Note:

● Please make sure the Bluetooth of your mobile device(smart phone/ tablet) is enabled during the whole setup process.

● The Bluetooth and GPS can be turned off after the Sensor setup is complete.

5 Select the Hub


Select the Hub

6 Poke the Sensor

Poke the Sensor pinhole with a pin for 1s and release, then the indicator light of Sensor will flash (Please complete this operation within 60 seconds, and you can add up to 10 Sensors at a time).

1s

7 Add the Sensor

Select the Sensor you want to add and click on the "Add Button" (up to 10 devices can be added at a time). When the  appears on the Sensor card, it means the Sensor is successfully added. Please wait until all Sensors status to become complete.

000030

Mac-30:A8:A4:00:00:30

000034

Mac-30:A8:A4:00:00:34

Add

000030

Mac-30:A8:A4:00:00:30

000034

Mac-30:A8:A4:00:00:34

Home

8 Test the Sensor

● Prepare a glass of water.

● Put the probe of SW2 Sensor into the water.

● At this time the Sensor will beep and after 10-20 seconds the Sensor status on the MOCREO Home Page will change from "No water" to "Water detected".

Note: SW2 probe is waterproof but the Sensor Data Logger is not.

MOCREO Sensor

basement

Water detected

Last updated Jun 26, 2022 6:49PM

Installation

1: Please place the Hub at a relatively high position. The suggested distance between the Hub and Sensor is within 65ft (Household environment)

2: Please make sure the the Sensor probe as inserted firmly into the probe port.

Test the Effective Distance

● Place the paired SW2 Sensor in the location you want to monitor. The suggested distance between the Hub and Sensor is within 65ft (Household environment)

● Poke the Sensor pinhole for 1s and release.

● After 20~30 seconds, Tap the corresponding Sensor card on the App to reach the Sensor Settings Page and view the signal values, signal value stronger than 20% is ideal.

How the System Works

The SW2 Sensors use Bluetooth LE to communicate with the Hub. Therefore, the distance are limited to a Bluetooth range centered on the Hub (e.g., around the house). This range is affected by distance and obstacles such as walls, windows, water, radio interference, etc. In short, longer distances and more obstacles mean weaker signals. The MOCREO Hub uses a local

Wi-Fi (2.4GHz only) or Ethernet to transmit data from the MOCREO Sensors in range to the Internet. A cellular hotspot with Wi-Fi or Ethernet capability can also be used to provide Internet access. Then, the MOCREO App can be used to view your device data from anywhere in the world by network.

Something About the Sensor

Poke Sensor pinhole for 1s

1) The Sensor will enter into the setup mode.

● Blue indicator light will flash for 60s

2) The Sensor will proceed a data update immediately.

3) Update the signal value of the Sensor displayed on the App.

4) When an alarm is triggered, poke 1s of Sensor will temporarily turn off the Sensor beep.

Poke Sensor pinhole for 5s until the indicator light flashing(* Note: There is no need to reset the Sensor in daily practice)

1) The Sensor will beep once to indicate the operation is completed.

2) The Sensor will be reset to factory store, and the data will not be updated to the App.

Battery

● SW2 Sensor built- in 1800mAh rechargeable lithium battery.

● The battery can last up to 2 years before it needs to be charged again (Battery usage time is affected by the Sensor beeping time).

● Please charge the Sensor with a Micro USB Cable and a 5V 1A power adapter.


The battery percentage can be checked on the App: Sensor Settings Page>Battery Level (Please do not check the battery level while the device is charging).



● When charging, the red indicator light will stay on and when the red indicator light goes off it means charging is complete.

● Low battery alert will be triggered when the battery is below 10%, and you will receive Email Alert and App push notification (Hub and Sensor will not beep).


● The fully charged battery can only support 7 days when the Sensor beep all the time.


Configuration

【Name the Sensor】 Tap Sensor Card >  Button on the Upper Right > Alias Name > Save

【Name the Hub】 Tap  Button on the Upper Left > Hubs > Click  Button on the Hub Card > Name > Save

Alerts

【Alert】 Tap  Button on the Upper Left > Alerts > Set Alert Model > Save

【Export Data】 Tap Sensor Card >  Button on the Upper Right > Export Historical Data > ChooseTime Period > Export

Troubleshooting

Sensor Failed to Add?

1. The App can't scan the Sensor when adding the Sensor

a) Please make sure your phone is within 5m from Sensor

b) Please check whether SW2 Sesor has enters setup mode (poke Sensor for 1s, blue LED will flashing, which means the Sensor enters Setup mode)

c) Please do not turn off the Bluetooth and network on your phone (Android needs to open the GPS and authorize the positioning permission)

2. When adding Sensor, the App scanned Sensor but did not add successfully

a) Click "Retry Button" on the page to re-add

b) If it still not can't added successfull, please contact MOCREO Support for help

Warranty

MOCREO products enjoy a 12-Month limited warranty (start from the date when customer receives the product), which applies only to hardware components of the device that are not subject to accident, misuse, neglect, fire, or other external causes, alterations, repair.

Customer Service

https://mocreo.com/doc/manual/support/faq.html

+1 (530) 988-8608

contact@mocreo.com

YouTube

MOCREO Sensor

FAQ

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

Disclaimer

The contents about how to use the product and the App guidance are only for reference, please refer to the actual situation for specific application. If there is something differs from the instruction during using the product, please contact MOCREO Support for updates. This product is for detecting and monitoring only. MOCREO is not responsible for any property damage or other consequences of the use of this product.

FCC Statement

FCC ID (Sensor) : 2A36D-ST7

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.
(2) This device must accept any interference received, including interference that may cause undesired operation

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

Note: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

(v1.4)