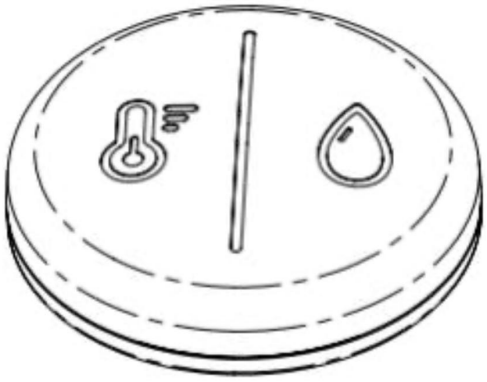
CLR-C1-FFZ

ClareOne Flood Temperature Sensor



Install Guide

Version 240828-0100

Introduction

The Flood Temperature Sensor, designed for indoor residential and light commercial use, monitors for water leaks and significant temperature variations. Easily installed in areas prone to water exposure or temperature fluctuations, it ensures timely alerts to protect against potential damage.

Before Installation

Ensure the sensor is powered and activated. It's crucial to add the sensor to your security system prior to physical installation.

Adding the Sensor to Your Control Panel

1. **Access Settings:** Tap the Hamburger menu on your panel's display.
2. **Security Access:** Enter your master passcode to access the settings menu.
3. **Select 'Devices':** Navigate to the "Devices" option.
4. **Register New Sensor:** Tap the "+" icon, then select "Water" as the sensor type.
5. **Prepare Sensor for Setup:** Press the test button located on the bottom of the sensor.
6. **Complete Sensor Setup:** Follow the panel's on-screen instructions to add the sensor to your system.

Installation

To ensure optimal functionality, the Sensor should be installed with its four contact points directly facing down towards the floor or any level surface. This specific orientation is critical for the sensor to accurately monitor and alert you to the presence of water, high, or low temperature variations. For best results, place the sensor on the floor or a flat surface beneath sinks, refrigerators, or near any potential water sources. Adhering to this installation guideline guarantees the sensor's effective operation, ensuring you receive alerts for any detected water, high, or low temperatures.

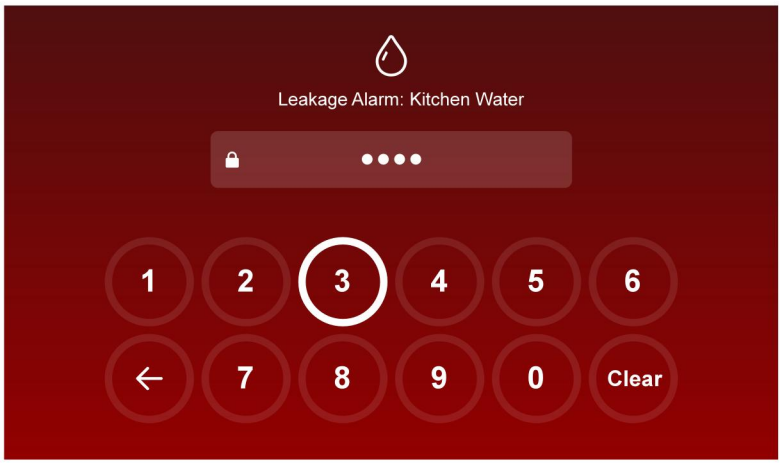
Installation Steps for the Flood Temperature Sensor

1. **Select Installation Location:** Choose a spot on the floor or any flat surface beneath sinks, refrigerators, or close to potential water sources where the sensor can monitor effectively.

2. **Position the Sensor:** Ensure the sensor's four contact points are directly facing down towards the surface. This correct orientation is crucial for the sensor to accurately detect water presence and temperature variations.

Understanding Sensor Alerts

When the Flood Temperature Sensor identifies water leaks or notable temperature variations, it signals the security system, activating the alarm protocol. This includes:



- **Audible Siren:** The system triggers a loud siren to immediately draw attention to the alarm condition.

- **Red Splash Screen:** A red splash screen is displayed on the security system's display, visually signaling the alarm condition to the user.

- **Mobile Alerts:** Users are also notified through alerts sent to their mobile devices, ensuring they are informed of the alarm condition. Requires a compatible service plan.

- **Central Monitoring Notification:** For systems integrated with a Central Monitoring Station, all event information is automatically relayed.

Special Note on Sensor Behavior and Alarm Conditions:

- **Detection and Alarm Activation:** When the sensor identifies a condition—be it water leakage, high temperature, or low temperature—it sends a detection signal three times within a 40-second interval. This action triggers the security panel to initiate an alarm condition.

- **Alarm Clearance and Signal Pause:** After the alarm condition is cleared on the panel, the system temporarily suspends recognition of subsequent signals of the same nature for one minute. This pause is designed to prevent repetitive alarms from the identical detection.

- **Sensor Reset and Alarm Reactivation:** The sensor returns to its normal monitoring state once the detected condition is resolved. However, if the condition persists for over an hour

and the sensor sends its regular 'heartbeat' signal (every 60 minutes) with the detection status still active, the panel may re-enter an alarm condition.

Maintenance

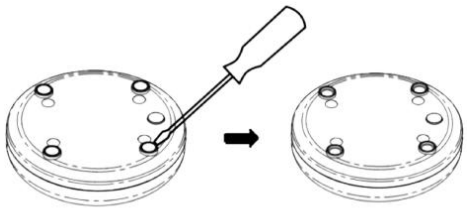
Replacing the Battery

The Flood Temperature Sensor is designed to provide reliable monitoring for water leaks and temperature fluctuations, requiring a single CR2450 3.0V (600mAh) battery for operation. Ensuring the correct battery type and installation is crucial for the sensor's performance and safety.

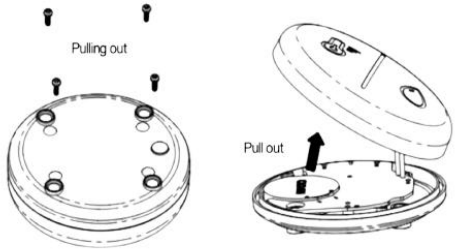
CAUTION – RISK OF EXPLOSION IF BATTERY IS REPLACED BY AN INCORRECT TYPE.
ATTENTION – RISQUE D'EXPLOSION SI LA PILE EST REMPLACÉE PAR UN TYPE INCORRECT

To replace the battery and ensure optimal performance of the Flood Temperature Sensor, follow these steps:

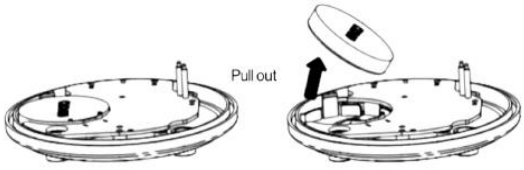
1. **Access the Battery Compartment:** Use a screwdriver to carefully remove the screw covers from the sensor casing.



2. **Remove the Battery Cover:** Unscrew the screws from the plastic casing and gently lift the front cover to reveal the battery compartment.



3. **Replace the Battery:** Carefully remove the old CR2450 3.0V (600mAh) battery and insert a new one, ensuring the positive (+) side is facing up.



4. **Reassemble the Sensor:** Align the front cover back onto the sensor casing and secure it with the screws. Replace the screw covers to finish.

Testing Your Sensor

Testing the Sensor Connection
After installing the Flood Temperature Sensor, perform the following steps to confirm its proper connection and communication with your monitoring system, please test the system once per week:

1. **Access Settings:** On your monitoring system's control panel, tap the Hamburger menu icon to access the main settings.

2. **Input Master Passcode:** Enter your master passcode to gain access to the system's advanced settings.

3. **Select Test:** From the available options, select the 'Test' function. This mode is specifically designed for testing system components without triggering actual alerts.

4. **Navigate to Sensors:** Within the Test mode, find and select the 'Sensors' option. This will allow you to specifically test the connection and functionality of connected sensors.

5. **Press the Test Button:** Once prompted by the system, locate and press the test button at the bottom of the sensor. This action sends a signal to the monitoring system, simulating an event to verify the sensor's communication link.

Flood Detection Test
Confirm the sensor's ability to accurately identify the presence of water.

1. **Prepare a Wet Environment:** Use a damp cloth or sponge to gently wet the surface directly beneath the sensor, simulating a flood scenario. Avoid immersing the sensor or allowing water to enter its casing.

2. **Observe the Response:** An alert on your security system indicates successful detection.

Temperature Alert Test
Ensure the sensor effectively recognizes and alerts for both high and low temperature thresholds.

1. **High Temperature Test:** Gradually increase the ambient temperature around the sensor to exceed 95°F (35°C) using a safe heat source, held at a distance.

2. **Low Temperature Test:** Reduce the ambient temperature below 41°F (5°C) using safe cooling methods, such as placing the sensor near a cold pack or in a cooler environment. Do not expose the sensor to direct moisture.

3. **Monitor Alerts:** For each test, observe if the sensor transmits an alert to the security system as temperatures pass the specified thresholds.

Specifications

Specification	Detail
Compatible Panel	XP02
Transmitter Frequency	433.95MHz
Transmitter Frequency Tolerance	±100KHz
Wireless Range	Approximately 295 ft, open air, with XP02 panel
Encryption	Yes
Tamper Switch	Yes
Supervisory Interval	60 Minutes
Transmitted Signals	Low Battery High Temperature, Low Temperature Flood Detection Supervisory Test
Battery Type	CR2450 3.0V (580mAh) x1
Battery Life	at least 1 year
Dimensions	2.48 x 0.68 inches (Diameter x Depth)
Operating Temperature	32° to 120.2°F (0° to 49°C)
Weather Resistance	IPX7
Manufacturer	SyberSense
Regulatory Information	FCC Compliance

*Battery life: Not Tested by ETL

FCC Compliance Statement

This device complies with Part 15 of the FCC Rules. Operating 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 of the device.

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

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.

This equipment complies with FCC radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.

ISED Compliance Statements

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

(1) This device may not cause interference.

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

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes :

(1) L'appareil ne doit pas produire de brouillage;

(2) L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

ISED Radiation Exposure statement

This equipment complies with IC RSS-102 radiation exposure limits set forth for an uncontrolled environment. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.
Cet équipement est conforme aux limites d'exposition aux radiations IC CNR-102 établies pour un environnement non contrôlé. Cet émetteur ne doit pas être colocalisé ou fonctionner en conjonction avec une autre antenne ou un autre émetteur.

WARNING

Use Only Batteries Specified in Marking. Use of A Different Battery May Have Detrimental Effect on Product Operation"

Warranty and Legal Notices

Find details of the product's Limited Warranty at snapone.com/legal/ or request a paper copy from Customer Service at 866.424.4489. Find other legal resources, such as regulatory notices and patent and safety information, at snapone.com/legal/ .

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