

Flood Sensor Technical /User Guide



www.careium.co.uk



Read first: Safety information



Always read and follow the safety information accompanied by this symbol.

Always test the system according to the instructions before use and always test the product after adjustments have been made.

The device is not always suitable for all users and should not be seen as a substitute for the caregiver's support.

The device is NOT intended for life-sustaining equipment, where any technical failure may result in serious injury or death.

Check the unit regularly and replace if necessary.

Users should pay particular attention to the potential for interference from other systems operating in the same or adjacent radio frequency bands.

The compartment covers may be opened only by authorised persons.

Battery replacement may be performed only by authorised persons. Only use recommended battery type as stated in the technical data section.



CAUTION

Only use batteries and accessories that have been approved for use with this particular model. Connecting other battery types may be dangerous and may invalidate the type of approval and guarantee.

General information

The Careium Flood Sensor is a wireless indoor sensor that will provide early warning of a potential flood and avoid the consequences of damage to property and personal possessions. Once water is detected an alarm will be sent to Careium via the alarm unit. This provides reassurance for home owners or tenants preventing significant damage resulting in unnecessary costs and inconvenience.

How it works

If activated the Flood Sensor sends an alarm via the social alarm to Careium. Advice would be, check for signs of a water leak, for liquid damage or for taps left on in and around the area that the Flood Sensor is placed. Where possible isolate your water intake temporarily until the leak is resolved (This may require a tradesperson).

How/Where to install

Place the Flood Sensor anywhere you want to detect a flood. Under a sink, near a water heater, a basement or behind a washing machine where a flood/leak is likely to occur.

Do not cover the three metal pins on the rear of the detector as these should be in contact with the floor.

Preparations



The Flood Sensor's battery may be installed by Careium prior to dispatch, however should this not be the case please follow the below instructions to install the battery and pair the device.

1. Disassemble the device.
2. Insert the included CR2032 coin cell battery with "+" pointing up.
3. Reassemble the device.
4. Pair and test

Pairing

In this device we have integrated a radio transceiver to communicate wirelessly between device and base unit. In order for the device to send alarms through the base unit, you need to pair them. It's possible that Careium may already have paired the device with the base unit prior to sending so be sure to check this, if the case you may have to only test the device which is detailed in section below.

How to pair the Flood Sensor with the base unit for the first time


1. Press and hold the button with green square  for 4 seconds and release when an audible signal is played and the Power indicator  starts to blink.
2. Activate the Flood Sensor by short-circuiting (touching together) the metal pins on the underside with a suitable metal object. When base unit receives the radio signal an audible signal is played.
3. Confirm the pairing by pressing and releasing the red integral alarm button once on base unit. The successful pairing is confirmed with an audible signal.
4. The radio trigger is now paired. The alarm type can be changed anytime using the optional i-care® online service.

How to test the alarm after pairing

On the Flood Sensor, activate an alarm by short-circuiting the metal pins on the underside with a suitable metal object. Check that the alarm is received at Careium.

Note! The short circuit must be kept for minimum 5 seconds to activate an alarm

Technical data

| | |
|---------------------------|-----------------------------------------------------------------------------------------------------------|
| Dimensions | 50 x 50 x 17 mm |
| Power supply | 3V Lithium battery, replaceable |
| Battery lifetime | (CR2032) |
| Radio frequency | Up to 3 years |
| Radio max output power | 869.2125 MHz 10 mW (10 dBm) |
| Equipment class | Class 1 radio equipment  |

Environment

This product is intended for indoor use in a normal residential environment

Temperature Operating temperature +10° to +40°C

Humidity 10% to 90% relative humidity (non-condensed)

Environmental class 1

Legal notices

The information contained here is subject to change without notice. The only warranties for Careium products and services are set forth in the express warranty statements accompanying such products and services.

Nothing herein should be construed as constituting an additional warranty.

Careium shall not be liable for technical or editorial errors or omissions contained herein.

Declaration of Conformity

Hereby Careium Sweden AB, declares that the radio equipment type, social alarm, is in compliance with Directives: 1999/05/EC or 2014/53/EU and 2011/65/EU. The full text of the EU declaration of conformity is available at the following internet address: <https://www.careium.com/en-gb/dofc/>

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