



# ClareOne Water Detector Installation Sheet



**Last modified:** 05/28/20

**Model number:** CLR-C1-WTR

## Description

The CLR-C1-WTR Water Detector is not a self-contained warning device. For proper operation, it must be used in conjunction with a ClareOne Panel. The transmitter mounts on a wall or other flat vertical surface, and the remote probe is placed in the location where water leakage is most probable.

When moisture forms a bridge between the two metallic contacts on the remote probe the detector signals an alarm condition. The output on the CLR-C1-WTR remains in the alarm state until the moisture bridge is broken. As sensitive as the water detector is, it does not alarm due to high humidity or condensation. The water detector is ideal for use in homes, offices, computer rooms, warehouses, etc.

## Features

- Water detection when liquid makes contact with probe
- Contacts above floor level to prevent false floor condensation detection
- Checks for water constantly, requires two positive checks for a valid alarm
- Battery checked every hour
- Batteries (2) CR2032
- Tamper switch included inside transmitter

## Installation

When mounting the wireless device, make sure it is not mounted on metal or where there are any large metal objects between the device and the ClareOne panel.

Mounting the probe to a vertical surface like a wall enables monitoring of an area for rising water levels. Use wherever unwanted water may accumulate.

**Suggested areas:** Near water heater, washing machines, under sinks, and sump pumps.

## Mounting:

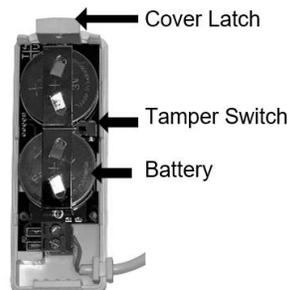
Mount the transmitter as high as possible, the water probe has a 6 ft cable attaching it to the sensor. The probe can be mounted to the wall or floor using mounting screws or the adhesive strips provided.

Mount the transmitter using the supplied double-sided tape.

The probe mounts directly to the floor or can be attached to a wall using tape or screws.

## Programming

To add the sensor to your panel and for detailed programming instructions, please refer to the [ClareOne Wireless Security and Smart Home Panel User Manual \(DOC ID 1871\)](#).



## To add the sensor:

1. Put the ClareOne panel in "add mode" and follow the displayed instructions for adding the sensor.  
Open the sensor body case to tamper.
2. Exit "add mode."

## Test procedures

To test the operational status, form a water bridge between the two metallic contact points with a moistened finger or cloth. If working properly, the detector activates the warning device to which it is connected within approximately three seconds. The detector resets automatically when the probe dries and there is no longer a water bridge between the two metallic contact points.

## Specifications

Compatible panel	ClareOne (CLR-C1-PNL1)
Transmitter frequency	433MHz
Encrypted	Yes
Transmitter indications	Tamper and low battery
Supervisory keep-alive	60 to 70 minutes
Battery type	(2x) CR2032
Battery life	8 to 10 years
Water detection	1/32 in
Operating environment	
Temperature	32 to 122°F (-40 to 60°C)
Relative humidity	95 % noncondensing
Sensor dimensions	2.5 × 1.0 × 0.5 in. (63.5 × 25.4 × 12.7 mm)
Transformer dimensions	1.77 × 0.7 × 0.38 in. (44.96 × 17.78 × 9.65 mm)
Water resistant	Yes (probe)
Certifications	FCC: 15.109 Class B 15.231, Industry Canada: ICES-003, RSS-210

## Regulatory information

Manufacturer	Clare Controls, LLC. 7519 Pennsylvania Ave, Suite 104 Sarasota, FL 34243
FCC compliance	<b>FCC / IC Statement</b> 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 device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). Son fonctionnement est soumis aux deux conditions suivantes: (1) cet appareil ne doit pas provoquer d'interférences et (2) cet appareil doit accepter toute interférence, y compris celles pouvant causer un mauvais fonctionnement de l'appareil.

In accordance with FCC requirements of human exposure to radio frequency fields, the radiating element shall be installed such that a minimum separation distance of 20 cm is maintained from the general population.

FCC: 2ABBZ-RF-WATER-433  
IC: 11817A-RFWATER433

This Class B digital apparatus complies with Canadian ICES-3B.

Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.

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Environmental class      UL: Indoor dry  
IEC: 3K5

EU compliance      **CE**

EN 54      EN 54-00:0000

European Union directives      1999/5/EC (R&TTE directive): Hereby, Clare Controls declares that this device is in compliance with the essential requirements and other relevant provisions of Directive 1999/5/EC.



2002/96/EC (WEEE directive): Products marked with this symbol cannot be disposed of as unsorted municipal waste in the European Union. For proper recycling, return this product to your local supplier upon the purchase of equivalent new equipment, or dispose of it at designated collection points. For more information see: [www.recyclethis.info](http://www.recyclethis.info).



2006/66/EC (battery directive): This product contains a battery that cannot be disposed of as unsorted municipal waste in the European Union. See the product documentation for specific battery information. The battery is marked with this symbol, which may include lettering to indicate cadmium (Cd), lead (Pb), or mercury (Hg). For proper recycling, return the battery to your supplier or to a designated collection point. For more information see: [www.recyclethis.info](http://www.recyclethis.info).

## Warranty information

Clare Controls offers a two (2) year limited warranty on original Clare Controls components, from the date of shipment from Clare Controls.

## Contact information

Clare Controls, LLC.  
7519 Pennsylvania Ave, Suite 104  
Sarasota, FL 34243

General: 941.328.3991  
Fax: 941.870.9646  
[www.clarecontrols.com](http://www.clarecontrols.com)

Integrator/Dealer Support: 941.404.1072  
[claresupport@clarecontrols.com](mailto:claresupport@clarecontrols.com)

Homeowner Support (ClareCare): 941.315.2273 (CARE)  
[help@clarecontrols.com](mailto:help@clarecontrols.com)