



# ClareOne High/Low Temperature Sensor



**Last modified:** 04/22/21

**Part number:** CLR-C1-HLT

## Description

The ClareOne High/Low Temperature Sensor is a supervised, wireless sensor that detects both a high temperature (100° F) and low temperature (40° F). The sensor is mounted using double-sided adhesive tape (included).

When activated, the sensor transmits an alert or status to the ClareOne panel. This includes supervisory, tamper, and low battery. The sensor is powered by (2) replaceable 3-VDC, lithium coin-cell batteries.

## Important safety instructions

Before you install this sensor, be sure to:

- Read, keep, and follow all instructions.
- When there is a low battery, replace with compatible batteries.

## Installation

Mounting the sensor on metal can affect the transmission range and magnet gap performance. Please test the sensor from the desired location before permanently mounting it.

### Freeze Sensor Mounting

Using the supplied mounting tape find a location that would most likely get cold first (alarm trips at 40F) for example:

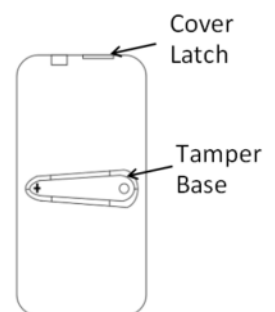
- Under a kitchen sink
- In the bathroom
- Avoid area that may retain heat as furnace rooms or near hot water pipes.

### High Temp Sensor Mounting

High Temp sensors are designed to detect an increase in the room temperature. Locate the sensor up as high as possible as heat rises, the sensor detects at 100F.

### For Additional Tamper Security

Punch out the tamper cover on the bottom of the sensor and using the small screw; secure it to the mounting location. When the sensor is removed "tampered" the tab remains providing a tamper condition.



**CAUTION:** Battery may explode if mistreated. Do not recharge, disassemble, or dispose of in fire.

## Programming

The following instructions step for pairing the sensor to the ClareOne panel.

1. Ensure sensor is not faulted.
2. Put the ClareOne panel into sensor pairing mode. For detailed programming instructions, refer to the [ClareOne Wireless Security and Smart Home Panel User Manual \(DOC ID 1871\)](#).
3. Sensor Enrollment: The sensor can be programmed for just freeze temperature detection, high temperature detection, or both.
  - a. Freeze Sensor Enrollment:**
    - i. Remove the sensor cover allowing the tamper to trip, the panel will respond.
    - ii. Select Freeze as sensor type and add sensor.
  - b. High Temp Sensor Enrollment:**
    - i. Remove both of the sensor's batteries.
    - ii. While holding down the tamper insert the batteries, the panel will respond.
    - iii. Select Heat as sensor type and add sensor.
4. Follow the ClareOne panel's on-screen prompts to name the sensor and make any desired changes to its default settings.

**Note:** The sensor has 2 unique ID numbers allowing it to report both freeze and heat alarms independently.

**Note:** If a low battery alarm occurs, replace the battery within 7 days.

## Testing

Test the sensor before mounting it in the permanent location.

### To test the sensor:

Set the ClareOne Panel into test mode.

**Freeze Alarm:** Alarm triggers when the temperature drops below 40° F (4.44° C), restores when temperature rises above 45° F (7.22° C).

**High Temp Alarm:** Alarm triggers when the temperature rises above 100° F (37.77° C), restores when temperature drops below 95° F (35° C).

## Specifications

Compatible panel	ClareOne (CLR-C1-PNL1)
Transmitter frequency	433 MHz
Encrypted	Yes
Transmitted indications	High Temp. Detection 100° F (37.77° C) Low Temp. Detection 40° F (4.44° C) Tamper Low battery
Supervisory	60-70 minutes
Battery type	(2x) 3 VDC Lithium coin-cell battery, CR2032
Battery life	Up to 8 years
Operating environment	
Temperature	32 to 120°F (0 to 48.8°C)
Relative humidity	95%
Storage temperature	-30 to 140° F (-34 to 60° C)
Dimensions	2.25 × 1.0 × 0.5 in. (57.15 × 25.4 × 12.7 mm)
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	FCC / IC Statement <p>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.</p> <p>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.</p> <p>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:</p> <ul style="list-style-type: none"><li>• Reorient or relocate the receiving antenna.</li><li>• Increase the separation between the equipment and receiver.</li><li>• Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.</li><li>• Consult the dealer or an experienced radio/TV technician for help.</li></ul>

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-HLT-433**

**IC: 11817A-RFHLT433**

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, and (2) this device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

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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MANUFACTURER MAKES NO REPRESENTATION, WARRANTY, COVENANT OR PROMISE THAT ITS ALARM PRODUCTS AND/OR RELATED SOFTWARE (I) WILL NOT BE HACKED, COMPROMISED AND/OR CIRCUMVENTED; (II) WILL PREVENT, OR PROVIDE ADEQUATE WARNING OR PROTECTION FROM, BREAK-INS, BURGLARY, ROBBERY, FIRE; OR (III) WILL WORK PROPERLY IN ALL

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Environmental class

EU compliance **CE**

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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).

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## 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

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