

# CLR-C1-HLT Installation Instructions

## Description

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

When activated, the sensor transmits a signal to the panel. These are the signals the unit provides: alarm, supervisory, tamper, and low battery (as needed). The sensor is powered by (2) replaceable 3-VDC, lithium coin-cell batteries.

## Installation Guidelines

- Mounting the sensor on metal can affect the transmitting range and magnet gap performance. Therefore, test the sensor from the desired location using the installer sensor test, 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.

- Mount the sensor within 100 ft. of the panel.

## Programming

The following steps describe the general guidelines for programming the sensor into panel memory. Refer to the specific panel's documentation for complete programming details.

1. Enter system programming and select -
  - Learn Sensors
2. Freeze Sensor Enrollment
  - Remove the sensor cover allowing the tamper to trip, the panel will respond.
  - Select Freeze as sensor type and add

sensor.

3. High Temp Sensor Enrollment
  - Remove both of the sensors batteries
  - While holding down the tamper insert the batteries, the panel will respond.
  - Select Heat as sensor type and add sensor.

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

The sensor can be programmed for just freeze or just high temp or both.

4. Exit program mode.

## Testing the Sensor

Set the panel to the sensor test mode.

### Freeze and Overheat Warning

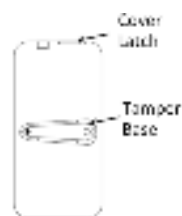
- Freeze Alarm: Temperature drops below 40F, restore when temperature rises above 45F.
- High Temp Alarm: Temperature rises above 100F, restores when temperature drops below 95F.

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

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

## 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.



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## Specifications

Model no.	CLR-C1-HLT
RF frequency	433 MHz
Compatibility	Clare Controls Panels
Battery type	(2) 3-VDC, lithium coin-cell battery (Varta or Panasonic, Model CR2032)
Battery	Varta CR2032 Panasonic CR2032
Operating temperature range	32 to 120°F (0 to 49°C)
Storage temperature range	-30 to 140°F (-34 to 60°C)
Relative humidity	95% non-condensing
Dimensions (L x W x D)	2.25 x 1.0 x 0.50 in.

## FCC / IC Statement

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-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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