



ClareOne Rate of Rise Heat Detector Installation Sheet



Last modified: 05/28/20

Model Number: CLR-C1-HT

Description

The ClareOne Rate-Of-Rise heat detector uses a built-in thermistor to sample and report on a specific set temperature or a sudden rise in temperature.

Heat – selectable 135F or 200F

Rate of Rise – rapid temp rise 12F per minute

Note: The device is powered by a 3V lithium battery providing up to 10 years of battery life.

Installation

Heat detectors are normally installed in areas that are prone to smoke such as kitchens and garages.

Installation notes:

- Avoid areas that may have rapidly increasing temperatures such as fireplaces, stoves, heaters, etc.
- When mounting the detector should be placed on a ceiling at least 4 inches away from any wall. If placed on a wall the detector must be within 6 inches of the ceiling.
- If using the sensor with the heat setting at 135°F make sure the ceiling location does not exceed this temperature.

Setup:

The detector can be setup to detect a fixed temperature of either 135F or 200F.

Low – 135F

High – 200F

Note: if no jumper is installed the detector is set to 200F

To set detection temperature: Use the jumper to select Low or Hi.



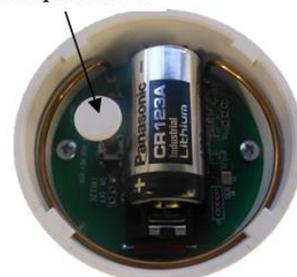
Programming

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

To add the detector:

1. Put the ClareOne panel in “add mode” and follow the displayed instructions for adding the sensor.
2. Open the sensor body case and depress the tamper switch.
3. Exit “add mode.”

Tamper Switch



Mounting the detector

1. Locate the base mounting holes and mount the base to the wall or ceiling with the appropriate hardware.
2. Attach the detector to the mounting base.



Replacing the batteries

Battery life depends on the temperature of the installation environment. When the battery voltage gets low, the detector transmits a low battery signal to the panel. The panel then activates trouble beeps to notify the customer that the detector battery must be replaced.

Replace the battery immediately when this condition occurs, using the following battery: Panasonic CR123A 3V

Battery disposal

The batteries used in this sensor are lithium batteries and are not reusable. Be sure to properly dispose of used lithium batteries according to your local hazardous waste disposal laws.

Specifications

Compatible panel	ClareOne (CLR-C1-PNL1)
Transmitter frequency	433MHz
Encrypted	Yes
Transmitted indications	Tamper and low batter
Supervisory keep-alive	60 to 70 minutes
Maximum UL spacing	50 x 50 ft (15.2 x 15.2 m)
Rate of rise rating	12 to 15°F (6.7 to 8.3°C)
UL max ambient ceiling	100 to 150°F (37.8 to 65.6°C)
Battery type	CR123A
Battery life	8 to 10 years
Temperature detection	135° F rate of rise
Heat rate of rise detection	15° F per minute
Operating environment	
Temperature	32 to 150°F (0 to 65.6°C)
Relative humidity	0 to 95% noncondensing
Dimensions	2.29 x 1.28 in. (58.25 x 32.4 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	<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">• 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. <p>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.</p> <p>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.</p> <p>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.</p> <p>FCC: 2ABBZ-RF-RORS-433 IC: 11817A-RFRORS433</p> <p>This Class B digital apparatus complies with Canadian ICES-3B.</p> <p>Cet appareil numérique de la classe B est conforme à la norme NMB-003 du Canada.</p> <p>MANUFACTURER HEREBY DISCLAIMS ALL WARRANTIES AND REPRESENTATIONS, WHETHER EXPRESS, IMPLIED, STATUTORY</p>

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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

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

General: 941.328.3991
Fax: 941.870.9646
www.clarecontrols.com

Integrator/Dealer Support: 941.404.1072
claresupport@clarecontrols.com

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

Environmental class	UL: Indoor dry IEC: 3K5
EU compliance	
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 .
	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 .