EXIGENT SENSORS

EX20-HT

Electronic Heat Alarm

- ***Rate of Rise***
- **Selectable Fixed Temperatures**
- **with mulitLINX Networking**

MADE IN THE U.S.A.

SIGNALING
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LISTED

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ATTENTION - This manual should be read, followed and retained for future reference.

Exigent Sensors recommends a combination of early-detecting Smoke and CO alarms as well as reliable Heat Alarms installed in their appropriate locations throughout the home.

Smoke, CO and Heat alarms are not a substitute for an adequate homeowner's fire/property insurance policy.

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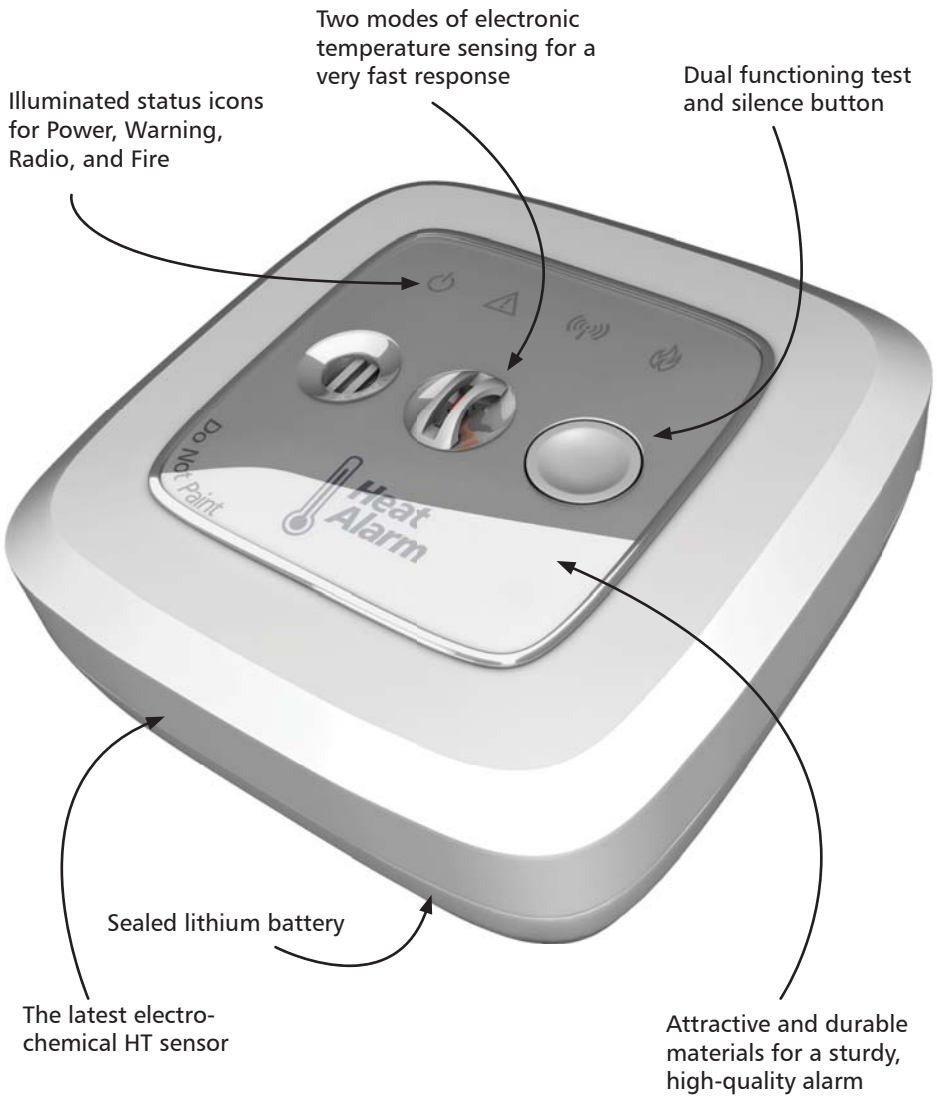
About Your New Heat Alarm

Thank you for purchasing the EX20-HT Heat alarm. HT alarms play an important role in protecting your family and home from the dangers of Heat . Please carefully read and follow the information in this booklet to ensure that your alarm operates properly and is located in the areas best suited for activation.

What Makes the EX20-HT Alarm Different?



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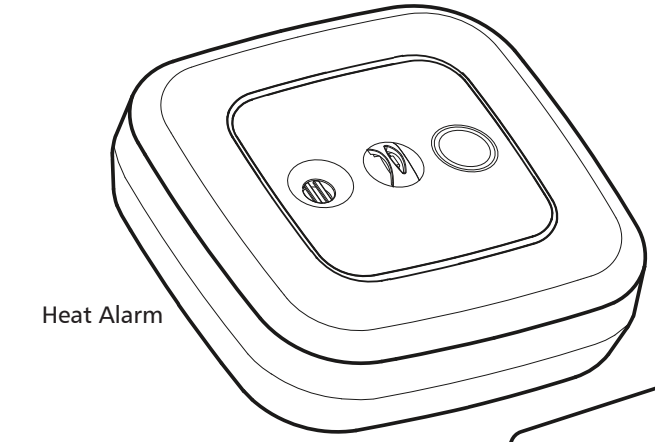
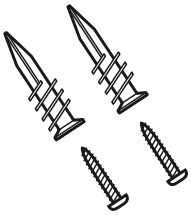
Contents of Your Kit

Please make sure the following is included in your kit:

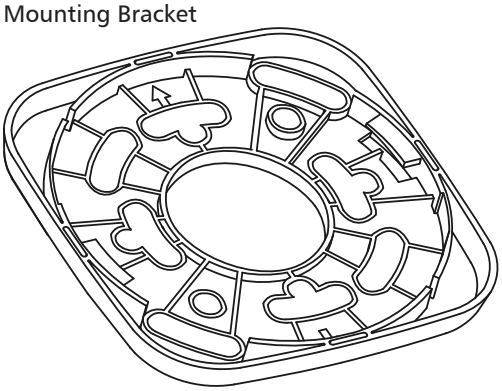


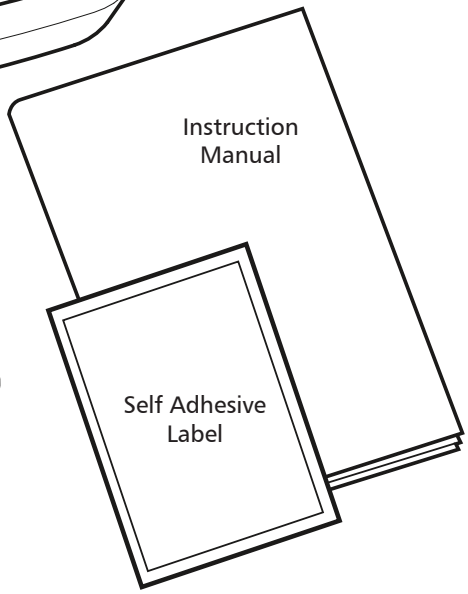
Heat Alarm



1" Screws (2)
Plastic Anchors (2)

Mounting Bracket





Key Features

- The latest dual-sensor differential heat sensing technology.
- Rate of Rise and selectable Fixed Temperature triggers (117°F, 135°F and 175°F).
- Radio communication to connect all Exigent alarms into their own unique multiLINX Network.
- Powered by a sealed lithium-ion battery.
- Four illuminated icons to easily demonstrate the alarm's status.
- Multi-function button to allow for testing and silencing of unwanted triggering.
- Uniquely loud horn to notify occupants of fire danger.
- Top quality construction to ensure beautiful appearance and durability.

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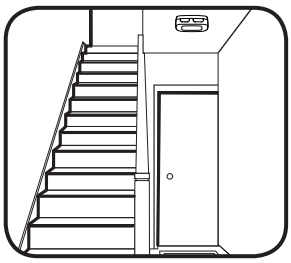
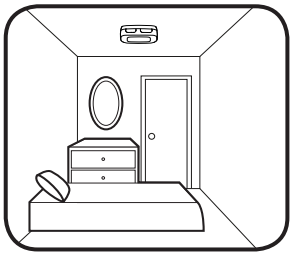
Recommended Locations for your Heat Alarm

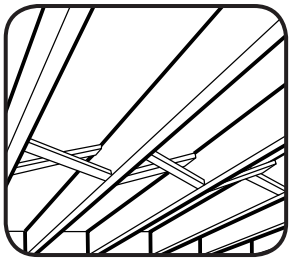


Hallways. A Heat alarm is required to be centrally located outside of each sleeping area, and on every level of the home.

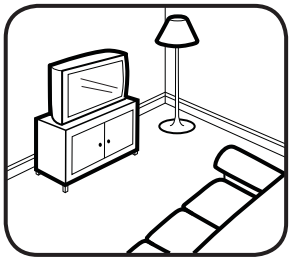
If your hallway is longer than 40 feet, install a Heat alarm at both ends.



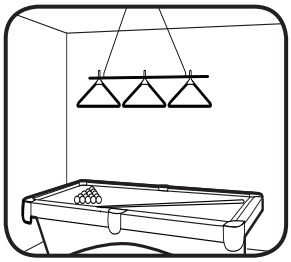
Bedrooms. A major threat from poisonous Heat occurs at night when people are sleeping. For added protection, Heat alarms can be installed in all sleeping rooms.



Basements. A Heat alarm should be located on every level of the house, including the basement.



Living Spaces. To enhance safety, a Heat alarm can be located in the living spaces of a home.



Recreation and Dining Rooms. For additional protection, a Heat alarm can be located in the other living spaces of the home.

Note: *Applicable building codes or other local laws may require the installation of additional CO and fire alarms in addition to the minimum recommended by this manual.*

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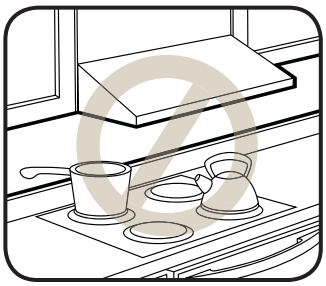
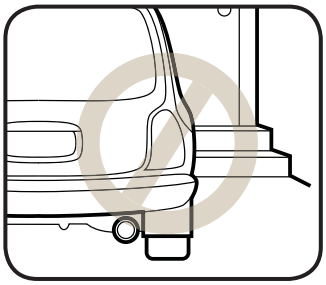
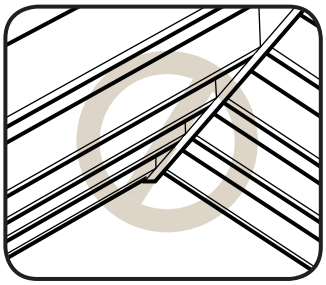
Areas Not Appropriate for Heat Alarms



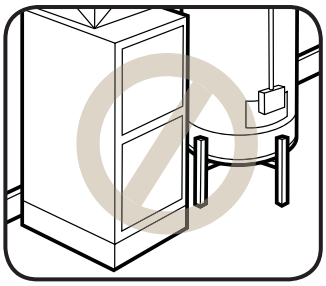
Kitchens. Do not install within 5 feet (1.5m) of kitchen appliances. The by-products of cooking food can effect the performance of the Heat alarm.



Garages. Do not install in garages. Exhaust gases from idling vehicles in an open or closed garage can trigger the Heat alarm.



Attics. Do not install in attics. A Heat alarm can be affected by dust, small insects or high and low temperatures. Do not install the alarm in areas where the normal ambient temperature can go below 40°F (5°C) or exceed 100°F (38°C)



Utility and Furnace Rooms. Do not install close to equipment that can create steam and gas. Steam and exhaust gases can affect performance of Heat alarms. Heat alarms should be at least 20 feet (6m) from sources of combustion.

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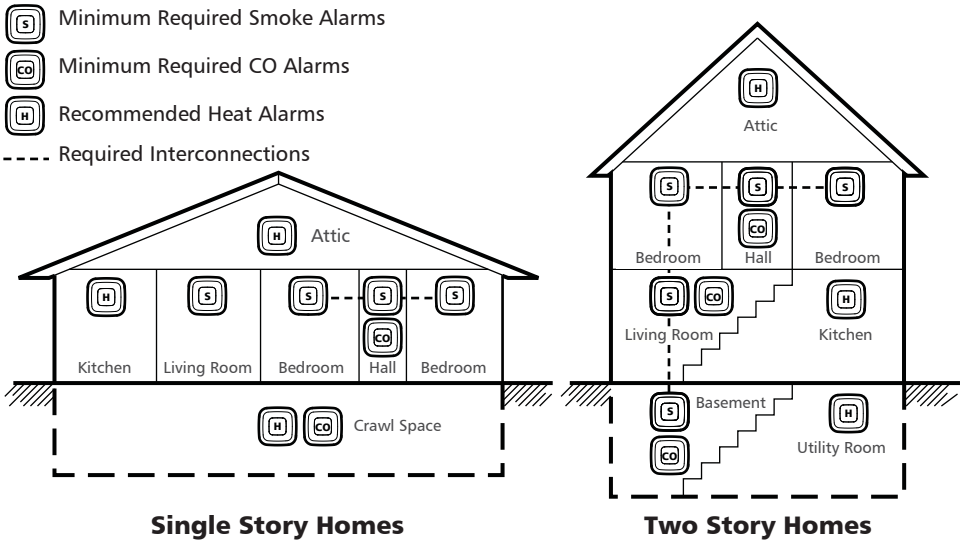
Complete Home Fire Protection

Exigent Sensors recommends complete home fire protection. This can be achieved by installing a combination of smoke, CO and heat alarms in their appropriate locations in every room of the house.

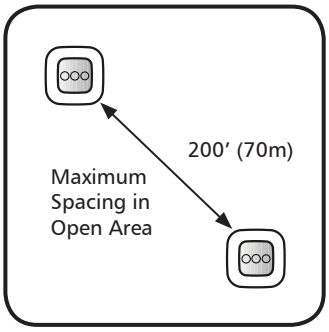
Key

- Minimum Required Smoke Alarms
- Minimum Required CO Alarms
- Recommended Heat Alarms
- Required Interconnections

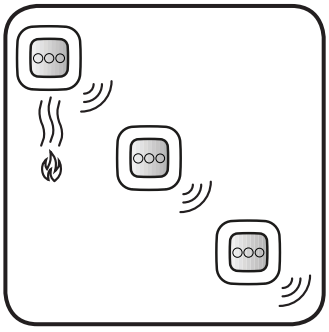


Single Story Homes **Two Story Homes**

Acceptable multiLINX Alarm Spacing



The multiLINX network communicates using radio frequencies 918MHz - 928MHz. The range of the radio has been tested to 200 feet (70m) in open area distance testing.



Each alarm will also act as a repeating station, so any signal received by an alarm will be rebroadcast.

After final installation, test all alarms for proper multiLINX radio connection. Simply press and release the test button of an alarm while having a helper observe the remote alarms.

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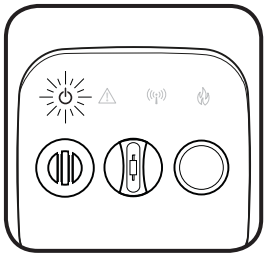
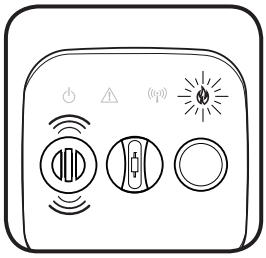
Heat Alarm Features and Functions



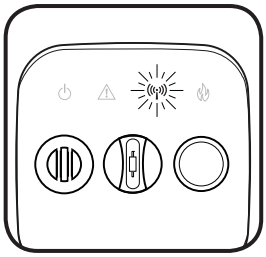
Power Indicator Light (Green)

On the EX20-HT, the POWER icon will briefly flash once per minute when the alarm has been activated.



Fire Warning Light (Red)

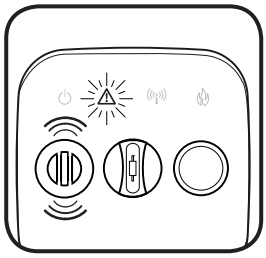
WARNING will flash rapidly when a Heat alarm detects sufficient levels of heat. This will be accompanied by the 3-beep sounding of the horn.



Radio Networking Light (Blue)

RADIO will flash once per second to indicate the multiLINX network is open to accept additional alarms into the network.

RADIO will cease to flash one minute after all new alarm additions have occurred.



Warning Light (Red)

WARNING will flash red once per minute accompanied by the horn chirp to indicate that the alarm has reached the end of its useful life. Replace the alarm.

WARNING can also be activated by a remote signal from a CO alarm. In this case, WARNING will be solid red accompanied by 4 beeps of the horn.

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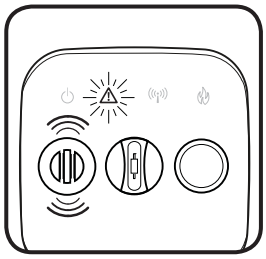
Heat Alarm Features and Functions

End of Life Signal (Red)



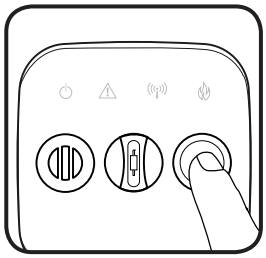
The EX20-HT has been designed to last a **minimum** of ten years. When the alarm has reached the end of its useful life, the End of Life Signal will occur.

This is triggered when the heat sensor is no longer working properly or the battery power has been depleted.

In this case, the WARNING light will flash **red** once per minute accompanied by the horn chirp.

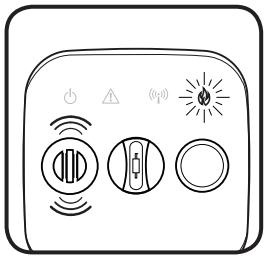
When the End-of-Life Signal occurs, follow the deactivation procedure on Page 12, and ***replace alarm.***

Testing the Heat Alarm



Every Heat alarm should be tested at least weekly to ensure proper operation.

To test the alarm, press and release the button on the front face.



The alarm will sound with 3 beeps and the FIRE icon will flash red rapidly.

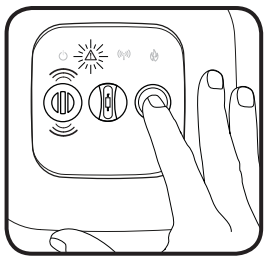
All four icons will strobe to indicate a successful test.

The alarm will then send out a network test command and all other alarms on the multiLINX network will perform the same internal test.

If the alarm fails the self-test, the horn will sound a single long tone. If this occurs, replace the alarm.

Silencing Nuisance Alarms

The EX20-HT alarm is equipped with a silence feature that can silence the alarm.



If during normal operation the alarm is triggered, ***and all appropriate safety precautions are being taken,*** the alarm can be silenced for ten minutes by pressing the button on the front face of the unit.

The silence feature will also silence any alarms that were triggered remotely. However, the initiating alarm must be silenced directly.

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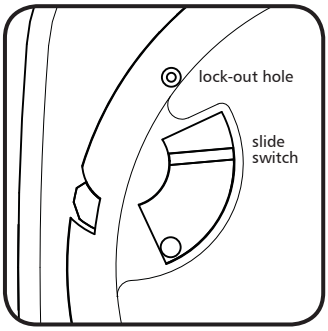
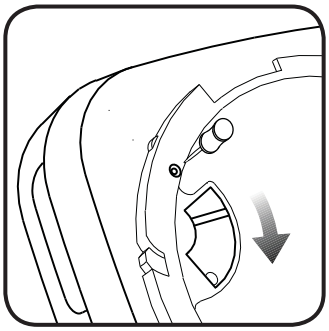
Deactivating the EX20 Heat Alarm

When the alarm's End-of-Life signal occurs, the alarm must be deactivated and disposed of properly. Be sure and have a replacement alarm available.



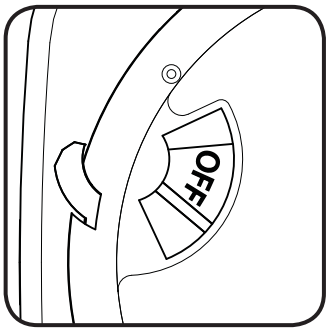
If the alarm's End-of-Life signal has begun, remove the alarm from its bracket.

Locate the slide switch and the deactivation lock-out hole.



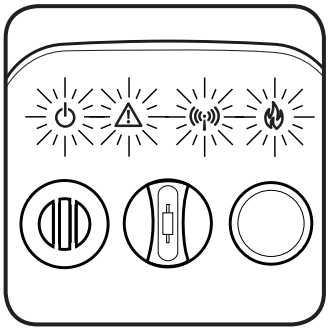
To deactivate the alarm, insert a pin or bent paperclip into the deactivation lock-out hole. Hold the pin down firmly.

With the pin still pressed firmly in place, slide the switch in the direction indicated by the arrow in the drawing.



When the switch is fully positioned the word "OFF" will be exposed.

The switch will lock permanently into place. ***The alarm cannot be reactivated!***



After the deactivation switch has been thrown, all four of the icons will light up. This will deplete any remaining battery power over a period of a few hours.

After all four lights have gone out, responsibly dispose of the alarm and ***replace with a new heat alarm!***

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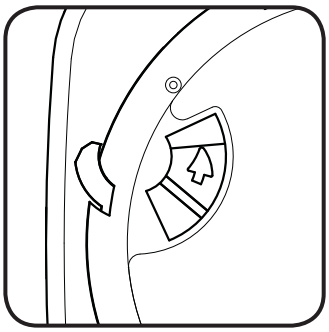
Creating Your multiLINX Network

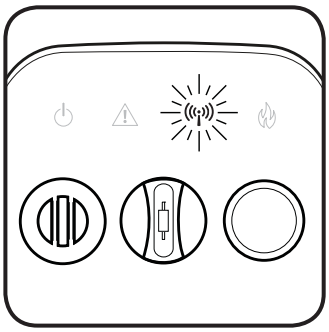
The EX20-HT Alarm communicates on its own private multiLINX network. This network is created simply by powering up new alarms one at a time.



Activate your first alarm by moving the slide switch located on the back side of the alarm in the direction indicated by the arrow.

The switch will lock into place. This allows the alarm to be mounted to its bractet

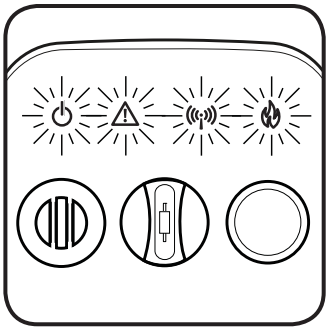
General Note: It is easiest to first create the multiLINX network while all alarms are located together, such as on a table.



The blue RADIO light will begin to flash slowly.

While the blue RADIO light is flashing at this rate, additional alarms may be added to your network.

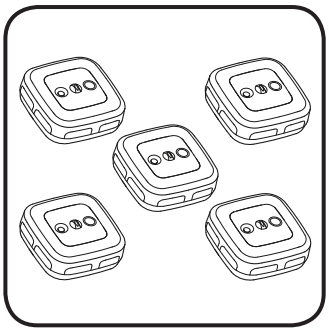
Note: This switch is connected to a lock-out mechanism that will prevent installation on the bracket until activated.



Activate your next alarm by moving its slide switch as shown above.

The blue RADIO light will flash briefly, then the alarm will chirp twice and all four of the lighted icons will strobe on in succession.

This alarm has been added to your network!



Continue activating each new alarm, one alarm at a time, until all alarms have been added to the network. This should include smoke and heat alarms as well.

One minute after activating the last alarm, the RADIO light will stop flashing on the original alarm, and it will join the network. The network is now closed.

General Note: The multiLINX network is limited to 18 total units. Only 12 of these units may be smoke alarms, the remaining units can be CO and heat alarms

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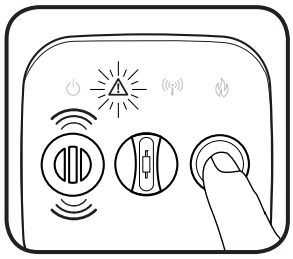
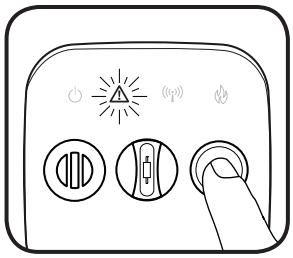
Adding an Alarm to Your multiLINX Network

To add an alarm(s) to an existing multiLINX network, perform the following steps.

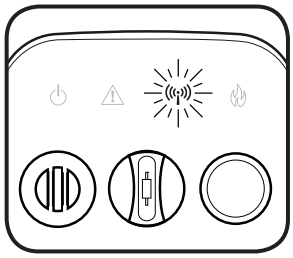


Select any alarm on the existing network. **Press and hold** the button on the front cover of the alarm. The red WARNING or FIRE light will flash rapidly and the alarm will sound four tones.

Continue holding the button down.

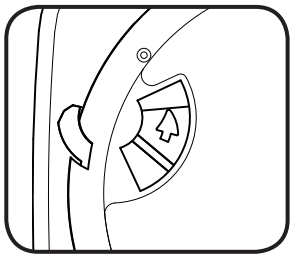


Next, the yellow WARNING light will flash slowly. Count to **5 flashes** of the yellow WARNING light and release the button.



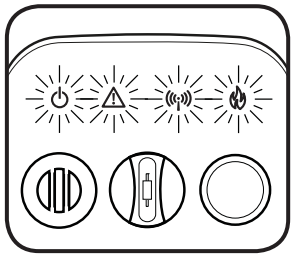
If done correctly, the blue RADIO light will now slowly pulse, indicating the network is again ready to receive additional alarms.

If not, wait about 15 seconds and carefully repeat these steps.



To add a **new** alarm, simply slide the switch located on the back side of the alarm in the direction indicated by the arrow. It will lock into place when fully positioned.

If the alarm being added was previously used, follow the steps on Page 13 to erase its multiLINX data. Then re-open this alarm's radio networking using steps 1-2 in this section.



The blue RADIO light will flash briefly, then the alarm will chirp twice and all four of the lighted icons will strobe on in succession.

The alarm has been successfully added to your network!

After one minute, the RADIO light will stop flashing on the original alarm and the network will again close.

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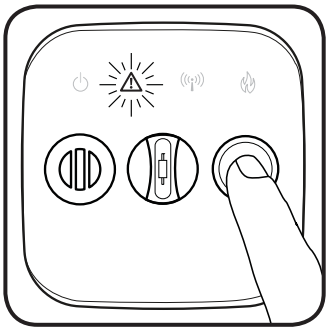
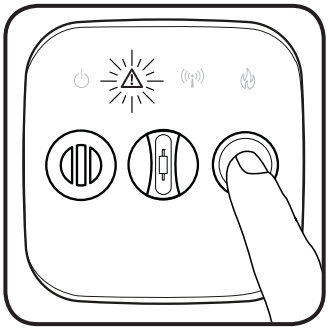
Removing an Alarm from a multiLINX Network

In the event that an alarm must be removed from your network, the alarm's multiLINX data must be erased.

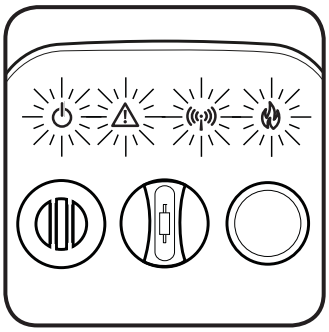


Press and hold the button on the front cover of the alarm. The red WARNING light will flash rapidly and the alarm will sound four tones.

Continue holding the button down.



Next, the WARNING light will begin to flash yellow. Count **10 flashes** of the yellow WARNING light and release the button.



The alarm will chirp twice and all four of the lighted icons will strobe on.

All multiLINX data has been erased from the alarm. It will now perform as a single station alarm or it can be joined to a new network.

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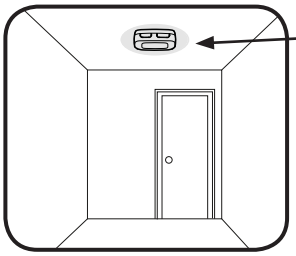
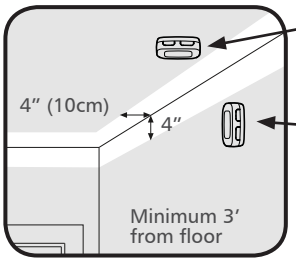
Choosing the Mounting Location in a Room



BEST
Center on ceiling.

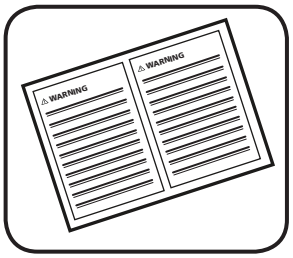
Note: Avoid placement of alarms close to ceiling fans or heating/air conditioning vents.



ACCEPTABLE
On ceiling, at least 4" (10cm) from intersection with wall.

ACCEPTABLE
On wall, at least 4" (10cm) from ceiling, and at least 3 feet (0.9m) from the floor.

Applying the Self-Adhesive Warning Labels



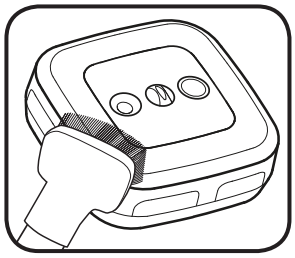
This Heat alarm was shipped with two (2) self-adhesive Warning Labels.

Add the telephone numbers of your emergency service provider and that of a qualified technician in spaces provided.

Place one label next to the alarm, and the other label near a source of fresh air where your family plans to gather if the alarm indicates the presence of Heat .

Cleaning Your Alarm

Over time, dust might collect within your alarm, potentially reducing its performance. To clean the alarm perform the following:



Remove the alarm from its bracket.

Vacuum all the external surfaces carefully. Wipe with a clean, dry cloth. Do not use cleaners or solvents.

Press and release the Test button on the front face to verify the alarm is still functioning properly and reinstall on the wall/ceiling.

Do not submerge the CO alarm in water. The sensitive electronics will be damaged!

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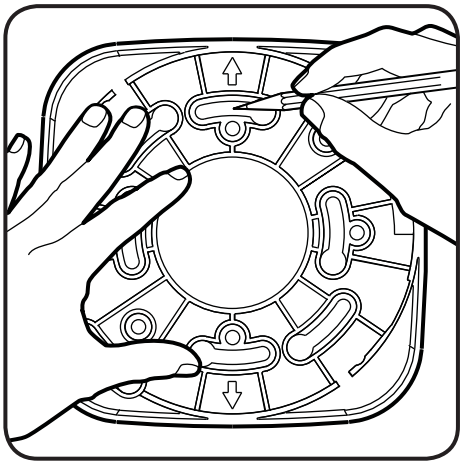
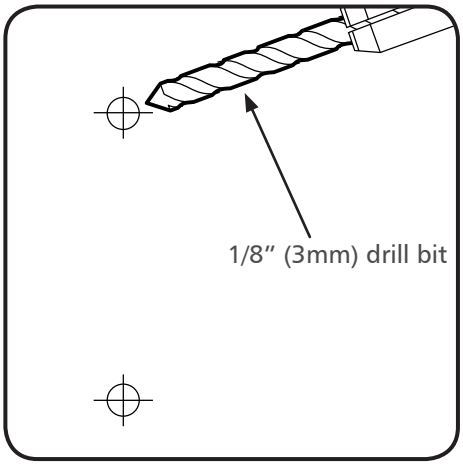
How to Mount the Heat Alarm



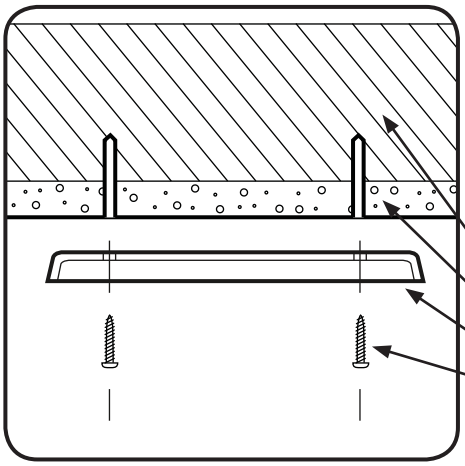
1 Mark

Place the mounting bracket against the ceiling or wall, and using the mounting bracket as a template, mark the top and bottom holes with a pencil.



2 Drill

Using a 1/8" (3mm) drill bit, drill two pilot holes in the center of the two marked hole locations. This will determine if a wood beam or stud is present.



3 Fasten Bracket

Situation A: Wood

If wood is present behind the drywall, securely fasten the mounting bracket to the wall using the two 1" screws.

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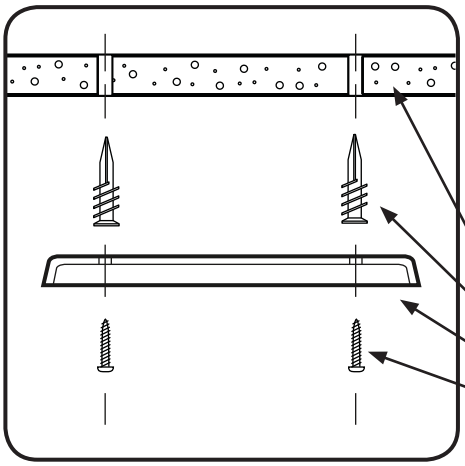
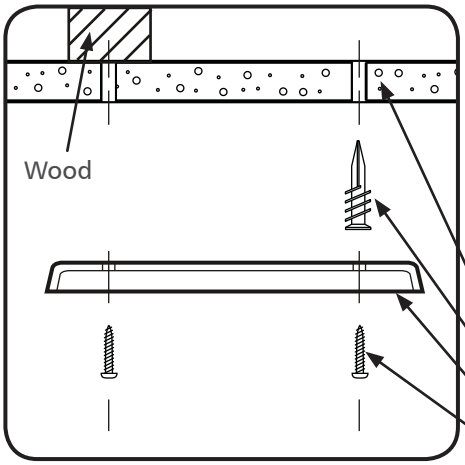
How to Mount the Heat Alarm

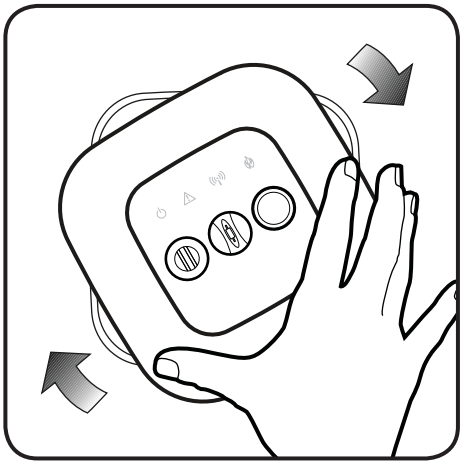


Situation B: No Wood
If no wood is present, use a Phillips screwdriver to screw the two plastic wall anchors into the pre-drilled holes until fully seated. Then secure the mounting bracket to the wall anchors using the two 1" screws.



Situation C: Combination
Where there is no wood present, first screw the plastic wall anchor into the pre-drilled hole using a Phillips screwdriver.

Then secure the mounting bracket in place using the two 1" screws.



4 Lock Into Place

With the batteries installed and the alarms fully networked together, position the smoke alarm onto the center of the bracket and turn clockwise. The alarm will lock into place.

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Alarm Specifications

Operating Voltage	3VDC
Battery Type	Non-replaceable Lithium-Manganese
Sensitivity	70 PPM: 60 to 70 minutes 150 PPM: 10 to 15 minutes 400 PPM: 4 to 8 minutes 30 PPM or less: alarm will not activate
Operating Ambient Temperature	40°F - 100°F
Operating Humidity	10 - 95% Non-condensing
Alarm Dimensions	5.1" x 5.1" x 1.75"
Mounting Base Dimensions	5.0" x 5.0"
Weight	0.86 lbs
Heat Sensing	
Fixed Temperature	135ºF
Rate of Rise	20ºF / minute, > 100ºF
Listings	UL; CSFM

FCC Compliance Statement

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.

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 this equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

(1) Reorient or relocate the units. (2) Increase the separation between the equipment and receiver. (3) Connect the equipment into a different circuit from that to which the receiver is connected. (4) Consult the dealer or an experienced technician for help.

FCC Caution: Changes or modifications not expressly approved by Exigent Sensors LLC could void the user's authority to operate the equipment.

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Important Fire and Emergency Safety Information

Be prepared for fire emergencies:

Plan Your Escape
- Draw a floor plan of your home.
- Show two ways out of each room.
- Discuss escape routes with everyone in your home.
- Agree on an outside meeting place where you'll gather after escaping.

Be Prepared
- Familiarize every member of the household with the sound of the smoke and heat alarms.
- Have everyone in the home memorize the fire department's emergency phone number.
- Instruct each person to call the emergency number from a neighbor's phone or a mobile phone used outside the home.
- Teach everyone to unlock and open all windows, and release security bars.
- Make sure security bars are equipped with quick-release devices.
- Keep exits clear and free from furniture and clutter.

Practice!
- Hold home fire drills at least twice a year.

Get Out and Stay Out
- Once you've escaped from a fire, do not go back inside for any reason.
- Make fire drills realistic by pretending some escape paths are blocked by smoke or fire.

If you live in an apartment building
- Learn and practice your building's evacuation plan.
- If you hear a fire alarm, react immediately.
- Know the location of all building exits and fire alarm boxes.
- Use the stairs ... never use an elevator during a fire.
- If exits are locked or blocked, report the problem to your building's management.

Escape Tips
- Close doors behind you as you escape to slow the spread of fire and smoke.
- If you have to escape through smoke, crawl on your hands and knees, keeping your head one to two feet above the floor, where the air will be clearest.
- Test the doorknob and spaces around the door with the back of your hand. If the door is warm, try another escape route. If the door is cool, open it slowly. Close it quickly if smoke pours through.

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WARNING! Limitations of Heat alarms

Wireless Heat alarms have been proven to be both effective and reliable, but they may not be effective under all conditions. No alarm design can offer total protection of life and property. A Heat alarm is not a substitute for an adequate homeowner's property insurance or life insurance policy.

WARNING - This product is intended for use in ordinary indoor locations of family living units. It is not designed to measure compliance with Occupational Safety and Health Administration (OSHA) commercial or industrial standards.

Heat alarms will not work without a source of power. The alarm will not operate and the alarm will not sound if the battery has died or the alarm has been deactivated.

CAUTION - This alarm will only indicate the presence of Heat at the sensor. Heat may be present in other areas.

Radio communication between alarm units may fail to take place if significant changes to the home have occurred since installation and testing. Moving large objects such as a refrigerator or metal cabinet could impede alarm radio performance.

Alarm warning signals may not be heard. A deep sleeper, hearing-impaired person, young child or someone impaired by drugs or alcohol may not awaken in response to an alarm activation. This can occur even when an alarm is located inside the individual's bedroom. Be sure emergency exit drills are practiced that take this possibility into account.

Heat alarms may not always activate and provide early enough warning. A Heat alarm will only activate when it is maintained in working order and sufficient amounts of Heat reaches the unit.

Heat ALARMS CAN NOT GUARANTEE THAT YOU WILL NEVER SUFFER ANY ILLNESS OR INJURY FROM EXPOSURE TO Heat .

Indiviuals with medical problems may consider using warning devices which provide audible and visual signals for Heat concentrations under 30ppm.

This device is designed to protect individuals from the acute effects of Heat exposure. It will not fully safeguard individuals with specific medical conditions. If in doubt consult a medical practitioner.

WARNING - The installation of Heat alarms should not be used as a substitute for proper installation, use, and maintenance of fuel-burning appliances, including appropriate ventilation and exhaust systems.

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Limited Warranty

For a period of 24 months from the date of purchase, Exigent Sensors LLC warrants to you, the original consumer purchaser, that your EX20-HT Heat Alarm will be free from defects in workmanship, materials, and construction under normal use and service. If a defect in workmanship, materials, or construction should cause your EX20-HT alarm to become inoperable within the warranty period, Exigent Sensors LLC will repair your EX20-HT alarm or furnish you with a new or rebuilt replacement EX20-HT alarm without charge to you except for your costs of shipping the EX20-HT alarm to Exigent Sensors LLC for warranty coverage. Your repaired or replacement EX20-HT alarm will be returned to you without charge and will be covered under this warranty for the remainder of the warranty period.

This warranty will not apply if inspection of your EX20-HT alarm shows that the damage or failure was caused by abuse, misuse, abnormal usage, faulty installation, improper maintenance, or work other than that performed by authorized service personnel.

Any warranties implied under any State law, including implied warranties of merchantability and fitness for a particular purpose, are limited in duration to the period of this limited warranty. Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you. Exigent Sensors LLC will not be liable for any loss or damages, incidental or consequential, of any kind arising in connection with the sale, use, operation, inoperability, malfunction, or repair of your EX20-HT alarm. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you.

If a defect in workmanship, materials, or construction should cause your EX20-HT alarm to become inoperable within the warranty period, to obtain warranty coverage you must ship the EX20-HT alarm to Exigent Sensors LLC, with shipping costs prepaid by you. You must also pack the EX20-HT alarm to minimize the risk of it being damaged in transit. You must also enclose a return address. EX20-HT alarms returned for warranty service should be sent to: Exigent Sensors LLC, 11331 Markon Drive, Garden Grove, CA 92841, accompanied by proof of purchase.

If Exigent Sensors LLC receives a EX20-HT alarm in a damaged condition as the result of shipping, you will be notified and you may need to file a claim with the shipper.

This Limited Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. This is your copy of the Limited Warranty on your EX20-HT alarm. Please retain it, along with proof of purchase showing the date of purchase and the identity of the purchaser, in a safe place.

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25 Year Product Replacement Guarantee

After the above Limited Warranty has expired, commencing on the first day of the 25th month and extending through the last day of the 324th month following the date of purchase, Exigent Sensors LLC guarantees to repair or replace the CO alarm at a preferred owner discounted price which includes shipping and handling and is adjusted annually. This Product Replacement Guarantee does not create any obligations or liabilities on the part of Exigent Sensors LLC.

This guarantee is extended only to the original purchaser and is available when the CO alarm is sent to the manufacturer, with a description of any problem and proof-of-purchase. This replacement guarantee will not apply if the manufacturer's inspection reveals that the damage or failure is a result of abuse, misuse, improper maintenance, abnormal usage, or work performed by unauthorized service personnel. At least a monthly cleaning (according to the directions supplied in this owner's manual) is recommended to prolong the useful life of your EX20-HT alarm.

To obtain a replacement under this guarantee, contact the manufacturer at (714) 895-8477, to receive information as to then-applicable pricing and for the address to which you should send your EX20-HT alarm along with payment for your replacement alarm. Be sure to enclose your return address and daytime telephone number. The EX20-HT manufacturer will ship the new replacement unit to you upon its receipt of all of the foregoing materials and information.

This Product Replacement Policy does not alter or affect your Limited Warranty, set forth above.

Lifetime Fire Replacement Guarantee

The EX20-HT alarm manufacturer guarantees to replace at no cost to the original owner any EX20-HT alarm that has been materially damaged or destroyed by an accidental fire. To obtain a replacement alarm under this Lifetime Fire Replacement Guarantee, you must return the damaged or destroyed HT alarm to the manufacturer within 90 days of the fire, accompanied by a complete activation report and verification report from the applicable fire department. To obtain a replacement under this guarantee, contact the manufacturer at Exigent Sensors LLC, 11331 Markon Drive, Garden Grove, CA 92841 to receive information as to the address to which you should send your damaged or destroyed EX20-HT alarm and accompanying information.

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Exigent Sensors LLC
11331 Markon Drive
Garden Grove, CA 92841

Model EX20-HT
10-Year Battery Life
Return to above address
for all service needs

REV 05.17.13

90-4030-00

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