Frontpoint®

SMOKE AND HEAT SENSOR

Instruction Manual

ATTENTION: Please read this manual to ensure proper installation and usage.

Frontpoint Smoke and Heat Sensor is a fire-protection device that detects both smoke and temperatures above 135°F (57°C). Regardless of the arming state of your Frontpoint system, an alarm will sound when sensing smoke, fire, or heat, and a red LED indicator will flash rapidly.

In the case of alarm, evacuate the building immediately.

QUICK START GUIDE

1. Enroll your sensor into your Frontpoint system

For new Frontpoint users:

Please follow the Set-up Wizard.

For existing Frontpoint users adding equipment:

a. Open the Frontpoint app and tap on the left hamburger menu.
b. Tap on "Equipment Setup", and then "Sensors".
c. Select the "Smoke and Heat Sensor" and follow the steps provided.

2. Test the alarm to verify proper functionality

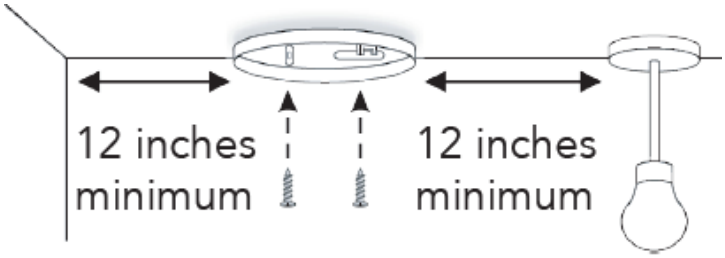
a. Put your system into TEST mode (only necessary for existing Frontpoint users; new users' systems begin in TEST mode automatically). The absence of this step will result in emergency responders calling you and a dispatch.
    1. Log onto your account at Myfrontpoint.com
    2. On the left-hand menu, select "My Account"
    3. Under "My Account" click on "Emergency Settings" and scroll down to "Monitoring Status"
    4. Click the pencil icon and toggle "Non-emergency Response Mode" to "On" and set the duration of time you require to perform your test
b. Press and hold the big test button in the center of the sensor; verify that the red LED flashes rapidly and that the alarm ramps up to full sound.
c. Pressing and holding the test button for six beeps will cause fire alarm to be sent to panel; verify that your Frontpoint panel has also alarmed.
d. You can now release the button; the Smoke and Heat Sensor will stop sounding shortly.
e. Disarm your panel by pressing your PIN code into either your Keypad or Touchscreen, followed by "Disarm".

3. Determine Placement

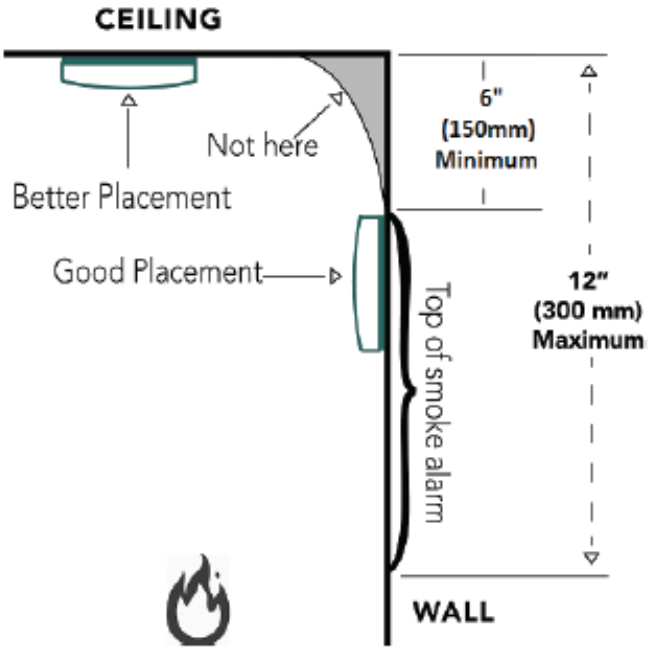
a. *Understanding proper positioning*

Hot smoke rises and spreads out, so a central ceiling position is the recommended location. The air is "dead" and does not move in corners, therefore Smoke and Heat Sensors must be mounted away from corners.

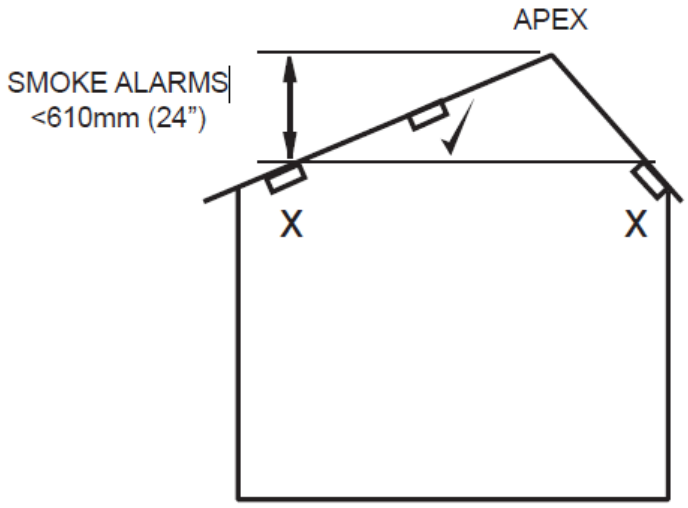
- *CEILING MOUNTING (Recommended)*
  Keep at least 12” from walls and corners. Additionally, mount the unit at least 12” from any light fitting or decorative object which might prevent smoke entering the Smoke Alarm.



- *WALL MOUNTING*
  Only when ceiling mounting is impractical, smoke sensors may be mounted on a wall, provided that both:
  a) the top of the detection element is between 6” and 12” below the ceiling
  b) the bottom of the detection element is above the level of any door openings.



- *ON A SLOPING CEILING*
  With a sloping or peaked ceiling, install a Smoke and Heat Sensor within 24” of the peak (measured vertically). If this height is less than 610mm (24”) the ceiling is regarded as being flat.



a. *Understanding locations to AVOID:*

• Bathrooms, kitchens, shower rooms, garages or other rooms where the Smoke and Heat Sensor may be triggered by steam, condensation, normal smoke or fumes.
• Insect-infested, dusty, or dirty areas. Small insects or particles getting into the smoke detector chamber can cause intermittent alarms.
• Places where the normal temperature can exceed 100°F (38.7°C) or be below 40°F (4.4°C) (e.g. attics, furnace rooms, directly above ovens or kettles etc.) as the steam could cause nuisance alarms.
• Near a decorative object, door, light fitting, window molding etc., that may prevent smoke from entering the Sensor.
• Surfaces that are normally warmer or colder than the rest of the room (e.g. attic hatches).
• Next to or directly above heaters or air conditioning vents, windows, wall vents etc. that can change the direction of airflow.
• In very high or awkward areas (e.g. over stairwells) where it may be difficult to reach the Sensor (for testing, hushing, or battery replacement).
• Locate Sensor at least 1m (39") from dimmer controlled lights and wiring as some dimmers can cause interference.
• Locate Sensor at least 1.5m (59") and route wiring at least 1m away from fluorescent light fittings as electrical "noise" and/or flickering may affect the unit.

4. Mount the Sensor

a. *Using adhesives:*

Apply the four pieces of adhesive to the center of the back of the mounting plate. Be sure to apply pressure and hold for 30 seconds, when applying to first the mounting plate and then the ceiling.

OR

b. *Using screws:*

1. Lift off the mounting plate from the Smoke Alarm by twisting the sensor counterclockwise.
2. Place the mounting plate on the ceiling exactly where you want to mount the Alarm. With a pencil, mark the location of the two screw holes.
3. Taking care to avoid any electrical wiring in the ceiling, drill holes using a 5.0mm drill bit through the center of the marked locations.
4. Push the plastic screw anchors provided into the drilled holes.
5. Screw the mounting plate to the ceiling.

TROUBLE SHOOTING

If the alarm sounds without the presence of smoke or fire:

1. Ensure that the Smoke and Heat Sensor has been placed in an appropriate location (see section #3 in the Quick Start Guide, "Determine Placement").
2. Occasionally smoke alarms can be activated by phenomena other than fire, e.g. dust or insects. Once you are sure it is a nuisance alarm, press the large test button in the middle of the sensor to silence the sensor. Use a soft bristle brush or the brush attachment of your vacuum cleaner to remove dust and cobwebs from the side slots where the smoke enters. To clean the cover, wipe with a damp cloth and dry thoroughly.
3. If the Sensor sounds again after the Test button has been pushed, your sensor may be contaminated. Pressing the test button again, within 4 minutes of the Sensor re-sounding, will get the Sensor to compensate for chamber contamination. This will normally resolve the problem. If the Sensor re-sounds for a third time, you may need to replace your Smoke and Heat Sensor and should call Frontpoint to investigate the issue. Please call 1-877-602-5276.

If you cannot solve the problem immediately, pressing the test button within 4 minutes of it going into alarm (for the third time) will silence the Alarm for 8 hours – however it will give two short beeps (second apart) every 10 minutes to remind the user it has been disabled. If the contamination clears the sensor will return to normal operation.

If you've accidentally set off the alarm while cooking:

Press the large test button in the middle of the sensor to silence the sensor.

If you hear one beep every 48 seconds with the yellow light flashing at the same time:

Replace the batteries with Panasonic CR123A only- use of another battery may present a risk of fire, explosion, or other detrimental effect on Sensor operation. After replacing the battery, you should re-test the sensor (please refer to step #2 in the Quick Start Guide section).

If the Sensor does not sound when the Test Button is pressed:

Replace the battery. After replacing the battery, you should re-test the alarm (please refer to step #2 in the Quick Start Guide section).

If you hear two short beeps with 2 yellow LED flashes every 48 sensors:

Clean the unit. Use a soft bristle brush or the brush attachment of your vacuum cleaner to remove dust and cobwebs from the side slots where the smoke enters. To clean the cover, wipe with a damp cloth and dry thoroughly.

If the beeping persists and the beep does not coincide with a yellow light flash, please call Frontpoint at 1-877-602-5276.

The Sensor must be replaced if:

The unit is installed for over 10 years (check the "replace by" date marked on the side of the unit). Before the Sensor is safely discarded, remove from the mounting plate & disconnect the batteries. The Sensor should be disposed in a safe and environmentally sound manner at your local recycle center.

Use the below LED Indicator Summary to diagnose any visual cues from your sensor:

LED Indicator Summary				
Normal Operation	Action	Red LED	Yellow LED	Sounder
Power Up	Insert Battery	1 Flash	1 Flash	Off
Standby		Off	Off	Off
Sensing Fire		Rapid Flashing	Off	Full Sound
Fault Mode	Action	Red LED	Yellow LED	Sounder
Low Battery		Off	1 Flash every 48 sec	1 Beep
Faulty Smoke Sensor		Off	2 Flashes every 48 sec	2 Beeps
Faulty Heat Sensor		Off	2 Flashes every 48 sec	2 Beeps
End of Life		Off	3 Flashes every 48 sec	3 Beeps
Silence Sounding Alarm	Press & Release Button	1 Flash every 8 sec	Off	Off for 10 mins
Silence "End of Life" indication (up to 30 days)	Press & Release Button	Off	Off for 72 hours	Off for 72 hours
Test Mode	Action	Red LED	Yellow LED	Sounder
Test Smoke Alarm	Press Button*	Rapid Flashing	Off	Full Sound
Alarm Memory	Action	Red Led	Yellow LED	Sounder
24 Hour Memory		2 Flashes every 48 sec for 24 hours	Off	Off
Long Term Memory	Press & Hold Button	Rapid Flashing	Off	Rapid Chirping

RECOMMENDED BEST PRACTICES

- **NATIONAL FIRE PROTECTION ASSOCIATION REQUIRED PROTECTION**: Where required by applicable laws, codes, or standards for the specified occupancy, approved single- and multiple-station Smoke Alarms shall be installed as follows:
(1) In all sleeping rooms, guest rooms, and living areas of a guest suite
(2) Outside of each separate dwelling unit sleeping area within 6.4 m (21 ft) of any door to a sleeping room, the distance measured along a path of travel
(3) On every level of a dwelling unit,
including basements
(4) On every level of a residential board and care occupancy (small facility),
including basements, **excluding** crawl spaces and unfinished attics

- **Rehearse emergency escape plans so everyone at home knows what to do in case the alarm sounds.** Use the Alarm Test Button to familiarize your family with the Alarm sound and to practice fire drills regularly with all family members. Draw up a floor plan that will show each member at least 2 escape routes from each room in the house. Children tend to hide when they don't know what to do. Teach children how to escape, open windows, and use roll up fire ladders and stools without adult help. Make sure they know what to do if the alarm goes off.

- **Routine Button Test**

It is recommended to re-test any/all smoke alarms on a weekly basis, regardless of manufacturer (please refer to step #2 in the Quick Start Guide section).

OTHER SAFETY TIPS

• WARNING: Do not paint your Alarm.

- **Repairs, when needed, must be performed by the manufacturer.**
- Do not attempt to recharge or burn the battery, as it may explode.

• If it is necessary to remove the battery for separate disposal, handle carefully to avoid possible eye damage or skin irritation if battery has leaked or corroded.

• To maintain sensitivity to smoke, do not paint or cover the Alarm in any manner; do not permit any accumulation of cobwebs, dust or grease.

• If Alarm has been damaged in any way or does not function properly, do not attempt to repair your device yourself.

Specifications

Physical	
Housing Dimensions	4.7 x 1.8 inches (12.0 x 4.6 centimeters)
Weight with Batteries	7.36 ounces (210 grams)
Mounting Fastener	#6 screws and anchors (provided)
Environmental	
Operating Temperature	40°F to 100°F (4.4°C to 37.8°C), Long Term
Maximum Humidity	15% to 95% non-condensing relative humidity
Sensor Specifications	
Frequency	319.5 MHz
Replacement Batteries	Two Panasonic® CR123A
Transmitted Indications	Low Battery, Supervision
Loudness	85 dBA at 10 feet (3m) minimum
Smoke Sensitivity	1.95% to 4% OBS/Foot
Heat Sensor	135 ± 5°F (57 ± 2°C)
Certification	
RE114	FCC, IC, UL217, ULC531

Specifications subject to change without notice.