

Smoke Alarm Troubleshooting Tips

Smoke alarms are a crucial piece of technology that keep you and your property safe.

However, if your alarm is activating for no reason, here are some factors to consider.



The battery

The smoke alarm will chirp at regular intervals (around every 40 seconds) when the battery is weak & needs replacing.



The alarm battery could be weak or defective. For the 240V RF Hard-wired Smoke Alarm, please replace the alkaline battery. For sealed, non-replaceable battery models (RF 10YR Battery Powered), the smoke alarm unit may need replacing.



Insects & dust or dirt

These types of debris may trigger a false alarm.



Use a vacuum cleaner with a soft brush to vacuum the sides & cover of the alarm on a monthly basis.



Smoke alarm placement

Smoke alarms installed too close to kitchen, bathroom or laundry areas can trigger false alarms due to cooking fumes and steam. Additionally, drafts from windows, air conditioning units or fans can interfere with the performance of smoke alarm sensors.



Where possible, install smoke alarms away from areas such as kitchens, bathrooms & laundries. Ensure smoke alarms are not installed too close to open windows, fans or air ducts.



Power interruptions

Smoke alarms may briefly alarm when power is interrupted. Power interruptions can occur when electricity companies switch grids in the early hours of the morning, there is an electricity spike or electricity is interfered via a shared circuit.



The installation of an EMI or ripple single filter may help to reduce electrical interference.



Check your electrical circuit is not overloaded with too many high wattage appliances.



Extremely humid conditions

Additional design measures have been taken to ensure smoke alarm reliability in humid conditions. However, in extremely humidity, smoke alarms can confuse dense humid air particles for smoke particles, and this may cause false alarms.



Routine maintenance

Weekly: testing

Test by pushing the 'test' button on the cover of the smoke alarm unit. This will sound the alarm if the electrical circuit, alarm and battery are working correctly. If no alarm sounds, the unit has a defective battery or another fault that needs immediate attention.

Monthly: cleaning

Use a vacuum cleaner with a soft brush to vacuum all sides & the cover of the alarm.

Yearly: smoke alarm inspection & service

To ensure peace of mind, we recommend a yearly safety & maintenance service of all smoke alarms at a property.



Silence or hush your smoke alarm

If you have safely determined that there is not a fire at the property, please take the following steps to silence or hush your smoke alarm:

1. Press & release the silence button.
2. Your alarm will silence & enter a reduced sensitivity reset cycle for approximately 8 minutes.
3. During the reduced sensitivity reset cycle, the red LED light will flash every 8 seconds.
4. Your alarm will automatically return to full sensitivity on completion of the reset cycle & the red LED light will revert to flashing once 40 seconds (normal operation).



Smoke Alarm Controller

We recommend the installation of an Emerald Smoke Alarm Controller, which allows you to test, silence and locate triggered smoke alarms without the need to reach up to the alarms on the ceiling. Easily locates a faulty or problem alarm by conveniently pressing the 'locate' function.

240V RF Hard-wired MODEL NO. EP-VC-240-1&10



RF 10YR Battery Powered MODEL NO. EP-RANG-RF-10



Smoke Alarm Controller MODEL NO. EP-SA-CONT-RF

