



WIRELESS SMOKE/HEAT/FREEZE ALARM INSTALL INSTRUCTIONS

FCC ID: ZFH-SMKT3345
Industry Canada ID: 9640A-SMKT3345

2GIG's Wireless Smoke/Heat/Freeze Alarm is a 3xAAA battery-powered wireless alarm intended for use in a 2GIG system. The alarm has a built-in wireless transmitter, which communicates with the 2GIG Control Panel. When smoke, excessive heat or cold is detected, the alarm sounds a loud local alarm and the built-in transmitter sends a signal to the Control Panel. This alarm is designed to provide protection within a 35-foot radius of the unit. The 2GIG-SMKT3-345 can send alarm, tamper and battery condition messages to the Control Panel.

Box Contents

- Wireless Smoke/Heat Alarm
- Pack of screws and fixings
- 3 AAA Energizer E92 batteries (1.5 V1100mAh) or equivalent

The Wireless Smoke/Heat Alarm contains a sounder that generates the ASH1 s3.41 temporal 3 pattern in an alarm condition.

In alarm, a message is also sent to the Control Panel and the alarm's zone type and name are displayed at the panel. During an alarm condition, pressing the alarm's hush button silences the sounder. Tricolored LED (red, yellow, green) and a sounder on the alarm provide local visual and audible indication of the alarm's status.

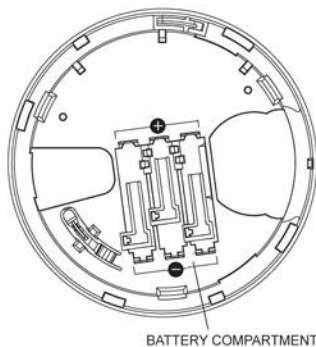
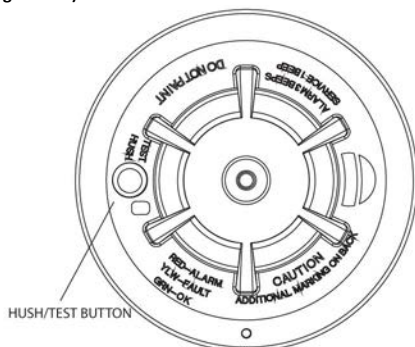
After power-up has completed and the alarm is functioning normally, the green LED blinks every 12 seconds.

Alarm Trouble: When the alarm has a general fault, the yellow LED blinks once every four seconds and there is a chirp every 48 seconds. After 4 hours the 2GIG Control Panel displays a loss of supervision message.

Alarm Dirty Feature: When the alarm has been contaminated, the yellow LED blinks once every 8 seconds and there is a chirp every 48 seconds. After 4 hours the 2GIG Control Panel displays a loss of supervision message.

Low Battery Detection: The Wireless Smoke/Heat Alarm is powered by 3 AAA batteries. The alarm regularly checks for a low battery. If a low battery is detected, the transmitter sends a low battery message to the 2GIG Control Panel, that displays the alarm's ID at low battery. In addition, the yellow LED of the alarm blinks every 12 seconds. The alarm's sounder chirps every 48 seconds (yellow LED continues to blink) until the batteries are replaced. Pressing the hush button silences the chirping for 12 hours if no other trouble conditions exist. Replace the batteries when the chirping begins. Replace the old batteries with new ones.

If you are experiencing low battery issues, check to make sure that you have the correct batteries installed (3 AAA Energizer E92).



Inserting and Replacing Batteries

1. Remove the alarm from its base by twisting it counter-clockwise. Remove and dispose of the batteries according to your local regulations.
2. To ensure proper power-down sequence, wait a minimum of 20 seconds before inserting new batteries.
3. Insert 3 AAA Energizer E92 batteries in the battery compartment. Follow the polarity diagram inside the compartment. If the batteries are inserted incorrectly, remove gently with a non-conductive tool and correctly reinsert.
4. Reinstall the alarm onto the mounting base by turning the alarm clockwise until the mating marks align.
5. After the power-up sequence, the green LED should blink about once every 12 seconds to indicate normal operation. If the batteries are not inserted correctly, the alarm will not operate and the batteries may be damaged. If the alarm does not power-up, check for correct battery insertion and for fully charged batteries.

Constant exposure to high humidity may reduce battery life.

Programming

The following steps describe general guidelines for programming (learning) the Wireless Smoke/Heat Alarm (2GIG-SMKT3-345) into the 2GIG Control Panel. Scroll between options using the ← and → arrows. Move to the previous or next prompt by pressing the ↑ and ↓ arrows. For more details regarding how to program the Control Panel, refer to the *2GIG Control Panel Install Guide*.

1. Select RF sensor #(01 to 48). Assign the Wireless Smoke/Heat Alarm to a new zone.
2. Select RF sensor type.
 - (09) 24-hour fire (recommended for smoke and fire)
 - (16) 24-hour fire with verification (optional)
 - (23) no response type (optional with freeze)
3. Select RF equipment type.
4. Select RF sensor equipment code. Enter 1058 for the SMKT3-345 2GIG Smoke/Heat Alarm.
5. Enter RF sensor serial number (7 digits).

Manual Entry: Type in the last 7 digits of the TX ID that is found outside the box or on the bottom of the head unit by removing the base.

Auto Entry: With the panel in Learn-in mode (press **Shift** then **Learn**) cause a tamper on the alarm by twisting the base unit counter-clockwise and removing it. The correct TX ID should appear. Accept the correct TX ID by pressing **ok**.

Remember to press the ↓ arrow to continue through the system configuration prompts.
6. Select RF sensor equipment age.
 - (0) new (product is new)
 - (1) existing (product already exists).
7. Select RF sensor loop number. Select which loop you would like to set up.
 - (1) Smoke
 - (2) Heat
 - (3) Freeze

NOTE: Each loop must be setup as a different zone. If you want to utilize all three features (smoke, heat, freeze) you will need to setup three different zones and use each loop.
8. Select RF sensor 1 dialer delay
 - (0) disabled (there should never be a dialer delay on this type of alarm)
9. Construct RF sensor descriptor. Press **Insert** then press any number between 002 and 255 to add a word. For example, if you wanted to name this alarm as "smoke alarm," press **Insert** then press **208** for **SMOKE**. Press **Insert** then press **005** for **ALARM**.
10. Select RF sensor reports (0 to 1).
 - (0) disabled (sensor does not report to central station)
 - (1) enabled (sensor reports to the central station)
11. Select RF sensor supervised (0 to 1).
 - (0) disabled (sensor does not report loss of supervision or low battery)
 - (1) enabled (sensor reports loss of supervision or low battery)
12. Select RF sensor chime (0 to 13).
 - (0) disabled (panel will not chime when sensor is activated)
 - (1)-(13) (selects a voice and chime to sound when sensor is activated)
13. To program another sensor, click **next**.
14. To exit programming, click **skip** then **end** and **exit**. Upon exit, the panel takes a few seconds to reset.

Testing

Before testing, put the panel into test mode so the central station is not notified to prevent unwanted alarms. Testing the alarm activates an alarm sound and sends a signal to the Control Panel. The test function cannot be used if the alarm has a trouble condition.

Test alarm sounder, LEDs and transmitter

1. Hold the Test button for 4 beeps (approximately 6 seconds).
2. Release the Test button.
3. Once released, the product will continue to beep 5 more times. Before the beeps stop, a signal will be sent triggering the alarm.

Smoke Test

Hold a cotton wick at the side of the alarm and gently blow smoke through the alarm until the smoke triggers the alarm. You can also use smoke aerosol.

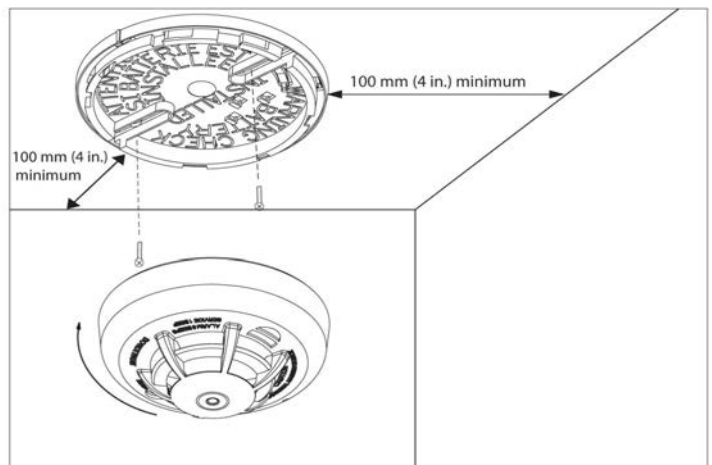
Direct Heat Test (Use Hair Dryer 1000-1500 Watts)

Direct heat toward the alarm. Hold the heat source about 12 inches from the alarm to avoid damage to the plastic. The alarm resets only after it has time to cool.

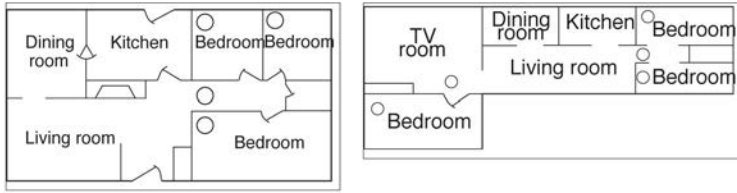
If an alarm fails any of these tests, see Maintenance for how to clean the alarm.

Mounting the Alarm

1. See the diagram to install the mounting base on the ceiling or on the wall. Use the 2 screws and anchors provided. Maneuver the base so the screws are at the elbow of the screw slots and secure.
2. Fit the alarm inside the base by aligning it over the base as shown (alarm's alignment notch should be slightly offset from the mounting base tamper release tab), then turn the alarm clockwise until the alarm clicks into the base.



NFPA Recommended Locations for Alarm



According to the National Fire Protection Association (NFPA) the major threat from fire in a dwelling unit occurs at night when everyone is asleep. The principal threat to persons in sleeping areas comes from fires in the remainder of the house; therefore smoke alarms are best located between the bedroom areas and the rest of the house.

Where **NOT** to install the Alarm

- Directly above a sink, cooker, stove or oven
- Do not locate alarm within 5 feet (1.5 m) of any cooking appliance
- Next to a door or window that would be affected by drafts (extractor fan or air vent)
- Outside
- In or below a cupboard
- Where air flow would be obstructed by curtains or furniture
- Where dirt or dust could collect and block the sensor
- Where it could be knocked, damaged, or inadvertently removed

Do NOT INSTALL this alarm in a location where the normal ambient temperature is below 40 F (4.4 C) or where it exceeds 100 F (37.8 C)

INSTALL this equipment in accordance with the National Fire Protection Association (NFPA) 72.

Maintenance

Clean the alarm once a year. To clean the alarm, remove it from the mounting base. You can clean the interior using compressed air or a vacuum cleaner. Blow or vacuum through the openings around the perimeter of the alarm. The outside of the alarm can be wiped with a damp cloth. After cleaning, test the alarm by pushing the Test button. If cleaning does not restore the alarm to normal operation you need to replace the alarm.

WARNING: READ THE FOLLOWING CAREFULLY

- NFPA 72 states: Fire-warning equipment for residential occupancies are capable of protecting about 50% of the occupants in potentially fatal fires. Victims include the elderly, children, and the physically or mentally impaired. Victims include any person that cannot escape even when warned early enough that escape should be possible. For these people, other strategies such as protection-in-place or assisted rescue or escape would be necessary.
- Studies show that Smoke/Heat Alarms may not awaken all sleeping individuals. It is the responsibility of individuals in the household that are capable of assisting others to provide assistance to those who may not be awakened by the audible alarm or those who may be incapable of safely evacuating the area unassisted.
- A battery-powered alarm must have the specific battery type installed, be in good condition, and be mounted properly.
- The use of alcohol or drugs may also impair one's ability to hear the audible alarm. For maximum protection, ensure that an audible alarm is installed on every floor of the home.
- Smoke/Heat Alarms only provide protection to the residence if smoke actually reaches the alarm. The Smoke/Heat Alarm is not a substitute for an insurance policy. Home owners and renters should have adequate insurance to protect their properties.

Safety Tips

- Make a Family Escape Plan. Draw a map of your home showing all doors and windows. Discuss the plan with everyone in the home.
- Know at least 2 ways out of every room, if possible. Make sure all doors that lead to the outside of home open easily.
- Have an outside meeting place, like a light pole, mailbox, or tree a safe distance from the residence where everyone meets.
- Practice your Family Escape Plan or "Fire Drill" at night and during the day at least twice a year. Only practice when every member of the house can attend.
- Practice using different ways out, if possible.
- Teach your children how to escape on their own in case you cannot help them.
- Close doors behind you as you leave.

Family Escape Plan

According to the National Fire Protection Association (NFPA) there often is very little time between the detection of a fire and the time it becomes deadly. This interval can be as little as 1 minute. Planning and practicing for fire conditions with a focus on rapid exit from the residence are important! Fire drills should be held so that all family members know the action to be taken.

If the Alarm Sounds

- Get out and stay out. Never go back inside for people or pets.
- If you have to escape through smoke, get low and go under the smoke.
- Call the fire department from outside your home.

FOR MORE SAFETY INFORMATION SEE: www.nfpa.org/education

Specifications

Transmitter Frequency	345.00 MHz (crystal controlled)
Transmitter Frequency Tolerance	+ -15 kHz
Transmitter Bandwidth	24 kHz
Modulation Type	Amplitude Shift Keying-On/Off Keying (ASK-OOK)
Unique ID Codes	Over 1 billion different code combinations
Supervisory Interval	70 minutes
Dimensions	.5" x 2.5" high (125 mm x 63 mm high)
Weight (including batteries)	8.57 oz (243 g)
Color	White
Spacing Rating	70 ft
Audible Signal (ANSI Temporal 3)	85dBA min. in alarm
Sensitivity	.5 - 3.5%/foot
Max Current	50mA
Alarm Current	20mA
Supervisory Current	25uA
Operating Temperature	40°-100 F° (4.4°-37.8° C)
Relative Humidity	15-90% Non-Condensing
Batteries (included)	3 AAA Energizer E92 or equivalent
Regulatory Listing	UL 217
Warranty	2 years
Included Accessories	Mounting Hardware Package

Regulatory Information

This device complies with Part 15 of the FCC's 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 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 product complies with FCC radiation exposure limits for an uncontrolled environment. Avoid operating this product at a distance less than 20 cm from the user.

Caution: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.

IC approval

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.

RÉGLEMENTATION IC: Cet appareil est conforme avec Industrie Canada exempts de licence standard RSS (s). L'opération est soumise aux deux conditions suivantes: (1) cet appareil ne peut causer d'interférences, et (2) cet appareil doit accepter toute interférence, y compris les interférences qui peuvent causer un mauvais fonctionnement de l'appareil.

Cet équipement est conforme aux limites IC exposition au rayonnement pour un environnement non contrôlé. Cet équipement doit être installé et utilisé avec distance minimum de 20cm entre l'utilisateur et l'élément rayonnant de l'appareil.

Remarque: le fabricant n'est pas responsable des interférences radio ou télévision causé par des modifications non autorisées de cet équipement. Une telle modification pourrait annuler l'autorité de l'utilisateur d'exploiter cet équipement.

This Class B digital apparatus complies with Canadian ICES-003

Cet appareil numérique de classe B est conforme la à norme NMB-003 du Canada.

LIMITED WARRANTY

This 2GIG Technologies product is warranted against defects in material and workmanship for 1 year. This warranty extends only to wholesale customers who buy direct from 2GIG Technologies or through 2GIG Technologies' normal distribution channels. 2GIG Technologies does not warrant this product to consumers. Consumers should inquire from their selling dealer as to the nature of the dealer's warranty, if any.

There are no obligations or liabilities on the part of 2GIG Technologies for consequential damages arising out of or in connection with use or performance of this product or other indirect damages with respect to loss of property, revenue, or profit, or cost of removal, installation, or reinstallation. All implied warranties for functionality, are valid only until the warranty expires. This 2GIG Technologies Warranty is in lieu of all other warranties expressed or implied.

For technical support in the USA and Canada

855-2GIG-TECH (855-244-4832)

For technical support outside of the USA and Canada

Contact your regional distributor

Visit 2gig.com for a list of distributors in your region

PN: 77-000012-001 Rev. D

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