THANK YOU for purchasing this combination alarm. This manual includes important information regarding where to install the alarm, how to operate, maintenance, testing and product features. It also includes tips and information which could help protect you and your family.

PLEASE READ AND SAVE!

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This Combination Smoke/Carbon Monoxide (CO) and Natural Gas alarm requires constant 120 VAC power to operate properly.

There are three basic smoke alarm types: IoPhic® Ionization and Photoelectric. IoPhic® is an ionization alarm containing a patent-pending Universal Smoke Sensing Technology. IoPhic® alarms are very effective at detecting fast flaming fires and also respond very quickly to slow smoldering fires - up to 87% faster than the maximum allowable alarm limit (UL217 Smoldering Smoke Test on 5/26/2010, Underwriters Laboratories Project #09CA38078).

Ionization smoke alarms are typically more effective at detecting fast flaming fires - fires which consume combustible materials rapidly and spread quickly. Sources of these fires may include paper burning in a wastebasket, or kitchen grease fires.

Photoelectric smoke alarms, on the other hand, are typically more effective at detecting slow smoldering fires - fires which burn for hours before bursting into flame. Sources of these fires may include cigarettes burning in couches or bedding.

Installing IoPhic® smoke alarms ensures maximum detection of both types of fires from a single alarm, while eliminating the need for a combination of ionization and photoelectric smoke alarms.

The enclosed alarm is an IoPhic® Smoke, CO and Natural Gas alarm.

SMOKE ALARMS WILL NOT WORK DURING A LOSS OF POWER. SINCE A SMOKE ALARM WILL NOT WORK WITHOUT POWER, having an alarm(s) that works from two completely different power sources, such as an AC direct wire with battery backup smoke alarm, can give you an extra measure of protection in case of an AC power failure or a dead battery. Battery operated alarms cannot work if the batteries are missing, disconnected or dead, even if the AC power is turned on, since a smoke alarm is a device that operates in the absence of power.

Always replace a Combination CO/Natural Gas/Smoke alarm after 7 years. The Combination CO/Natural Gas/Smoke alarm should be replaced immediately if it is not operating properly. You should always replace a Combination CO/Natural Gas/Smoke alarm after 7 years.

SMOKE ALARMS ARE NOT TO BE USED WITH DETECTOR GUARDS UNLESS THE COMBINATION HAS BEEN EVALUATED AND FOUND SUITABLE FOR THAT PURPOSE.

SMOKE ALARMS ARE NOT FOOLPROOF. The alarm horn in this alarm meets or exceeds current standards, but it may not be heard if: (1) the smoke alarm is located outside a closed or partially closed door; (2) in an inaccessible or obstructed area; (3) when a person's clothes catch fire while cooking; (4) Fires where the smoke is prevented from reaching the alarm due to a closed door or other obstruction or (3) Incendiary fires where the fire grows so rapidly that an occupant's egress is blocked even with properly located alarms.

Installation of interconnected smoke alarms may provide earlier warning than stand-alone smoke alarms since all smoke alarms alarm when one detects smoke.

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SMOKE ALARMS ARE NOT TO BE USED WITH DETECTOR GUARDS UNLESS THE COMBINATION HAS BEEN EVALUATED AND FOUND SUITABLE FOR THAT PURPOSE.
Carbon monoxide (CO) is an insidious poison. It is a colorless, odorless, tasteless gas. It is a cumulative poison. Even low levels of CO have been shown to cause brain and other vital organ damage in unborn infants with no effect on the mother.

The following symptoms are related to CARBON MONOXIDE POISONING and should be discussed with ALL members of the household:

**MILD EXPOSURE**
Slight headache, nausea, vomiting, fatigue (often described as “flu-like” symptoms).

**MEDIUM EXPOSURE**
Severe throbbing headache, drowsiness, confusion, fast heart rate.

**EXTREME EXPOSURE**
Unconsciousness, convulsions, cardiorespiratory failure, death.

Many cases of reported CARBON MONOXIDE POISONING indicate that victims are aware they are not well, but they become so disoriented that they are unable to save themselves by either exiting the building or calling for assistance. Young children and household pets may be the first affected.

Your combination alarm is designed to detect the toxic CO fumes that result from incomplete combustion, such as those emitted from appliances, furnaces, fireplaces and auto exhaust.

**What Levels of CO Cause an Alarm?**
Underwriters Laboratories Inc. UL2034 defines three specific alarm points by which all residential CO alarms must alarm. They are measured in parts per million (ppm) of CO over time (in minutes).

**UL2034 Required Alarm Points:**
- If the alarm is exposed to **400 ppm** of CO, IT MUST ALARM BETWEEN 4 and 15 MINUTES.
- If the alarm is exposed to **150 ppm** of CO, IT MUST ALARM BETWEEN 10 and 50 MINUTES.
- If the alarm is exposed to **70 ppm** of CO, IT MUST ALARM BETWEEN 60 and 240 MINUTES.

**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. Individuals with medical problems may consider using warning devices which provide audible and visual warnings for carbon monoxide concentrations under 30 ppm.

**IMPORTANT CONSIDERATIONS**
YOUR COMBINATION SMOKE, CO AND NATURAL GAS ALARM HAS BEEN DESIGNED WITH A PRODUCT END-OF-SERVICE LIFE SIGNAL WHICH WILL SOUND AFTER APPROXIMATELY 7 YEARS OF OPERATION FROM INITIAL POWER UP.

**NOTE:** MANUFACTURER RECOMMENDS REPLACEMENT OF THIS ALARM 7 YEARS AFTER DATE OF INSTALLATION.

**WHAT YOU SHOULD KNOW ABOUT NATURAL GAS**
Natural gas is a fossil fuel which consists primarily of methane. This common energy source is often used for cooking, home heating and water heating. Natural gas is typically supplied through a main utility line connected to your home. It is a highly flammable chemical compound. Although it happens rarely, a natural gas leak can sometimes occur inside the home. This can be dangerous because it increases the risk of explosion and fire.

Natural gas is odorless and colorless. When Mercaptan is added to natural gas as an odorant, it can then be detected by smell. Although it can vary greatly, the typical level for detection of the gas by smell is 25% of the lower explosion limit (LEL). People who have a diminished sense of smell may not be able to rely on this safety mechanism. Therefore, installation of this alarm can be an important tool to help protect you and your family. This alarm is calibrated to sound before 20% LEL. Therefore, it is possible that you may smell gas before the alarm is activated. If you are not sure which gas your home uses, contact your utility company.
Natural gas (methane) is typically supplied through a main utility line connected to your home. Early warning is best achieved by the installation of alarms on all floors and areas of the household.

WHERE THIS SMOKE, CO AND NATURAL GAS ALARM SHOULD BE INSTALLED

- Install an alarm inside each bedroom where the occupant closes the door while sleeping.
- An alarm should be installed in any family living unit containing a fuel-burning appliance or fireplace or having an attached garage.
- An alarm should be centrally located outside of each separate sleeping area in the immediate vicinity of the bedrooms. Where bedrooms are separated and audibility of the alarm to occupants within the bedroom area could be seriously impaired, more than one alarm could be needed.
- Locate the first combination alarm in the immediate area of the bedrooms. Try to protect the escape route as the bedrooms are usually farthest from an exit. If more than one sleeping area exists, locate additional combination alarms in each sleeping area. If a hall is more than 40 feet (12 meters) long, install a combination alarm at each end.
- Locate additional alarms to protect any stairway as stairways act like chimneys for smoke and heat.
- Locate at least one combination Smoke, CO and Gas alarm on every floor level.
- Locate an alarm in any area where a smoker sleeps or where electrical appliances are operated in sleeping areas.
- Smoke, heat and other combustion products rise to the ceiling and spread horizontally. Mounting the alarm on the ceiling in the center of the room places it closest to all points in the room. Ceiling mounting is preferred in ordinary residential construction. However, in mobile homes, wall mounting on an inside partition is preferred to avoid the thermal barrier that may form at the ceiling.
- When mounting the alarm on the ceiling, locate it a minimum of 4" (10cm) from a side wall or corner (see Diagram A).
- When mounting the alarm on a wall, if local codes allow, use an inside wall with the top edge of the smoke alarm a minimum of 4" (10cm) and a maximum of 12" (30.5cm) below the ceiling/wall intersections (See Diagram A).

DIAGRAM A

Existing Homes:
The NFPA requires smoke alarms or combination alarms on every level and outside each sleeping area in existing construction. An existing household with one level and one sleeping area is required to have one smoke alarm.

New Construction Homes and Manufactured Homes:
The NFPA requires AC-powered, interconnected smoke alarms to be installed inside each bedroom, outside each bedroom area, and on every level of the home. They also require a minimum of two AC-powered, interconnected smoke alarms or combination alarms in any new construction home.

Sloped Ceilings (Peaked Ceilings):
Smoke alarms or combination alarms mounted on a peaked ceiling shall be located within 36 in. (914 mm) horizontally of the peak, but not closer than 4 in. (102 mm) vertically to the peak.

Sloped Ceilings (Shed Ceilings):
Smoke alarms or combination alarms mounted on a shed ceiling having a rise greater than 1 ft. in 8 ft. (1 m in 8 m) horizontally shall be located within 36 in. (914 mm) of the high side of the ceiling, but not closer than 4 in. (102 mm) from the adjoining wall surface.

Locations permitted for smoke alarms on tray-shaped ceilings
In general, install combination Smoke, CO and Gas Alarms:
WHERE YOU CAN HEAR THE ALARM FROM ALL SLEEPING AREAS.
In or near bedrooms and living areas or wherever you suspect a smoke, natural gas or CO exposure is likely.
On each level of a multilevel home.
IMPORTANT!
Installation in an improper location can affect the sensitive electronic components in this alarm. Please review WHERE THIS ALARM SHOULD NOT BE INSTALLED (see Page 6).
Not suitable for installation in hazardous locations as defined in the National Electrical Code. This alarm will detect natural gas primarily and carbon monoxide secondarily. Natural gas events will always take precedence over carbon monoxide events. The word "gas" will be used to specifically refer to natural gas.

**BASIC SAFETY INFORMATION**

- This combination Smoke, Carbon Monoxide and Natural Gas alarm has separate alarms. This alarm is not designed to detect any other gas. Carbon monoxide and natural gas may be present in other areas. The Smoke, CO and Natural Gas Alarm will only indicate the presence of CO or natural gas which reaches the sensor.
- Do not paint the alarm. Paint may clog the openings to the sensing chambers and prevent the unit from operating properly.
- Do not stand too close to the unit when the alarm is sounding. It is loud to wake you in an emergency. Exposure to the horn at close range may harm your hearing.

**WARNING!**
Make sure the alarm is not receiving excessively noisy power. Examples of noisy power could be major appliances on the same circuit, power from a generator or solar power, light dimmer on the same circuit or mounted near fluorescent lighting. Excessively noisy power may cause damage to your alarm.

**WARNING!**
This alarm cannot be operated from power derived from a square wave, modified square wave or modified sine wave inverter. These types of inverters are sometimes used to supply power in off-grid installations, such as solar or wind derived power sources. These power sources may produce high peak voltages which will damage the alarm.

Do not install this alarm into an electrical circuit controlled by a dimmer or switch or ground fault circuit interrupter.
RECOMMENDED PLACEMENT:

**FIGURE 1**

Recommended Alarm Placement for a Multi-Level Residence

**FIGURE 2**

Recommended Alarm Placement for a Single-Floor Residence

NOTE: For any location, make sure no door or other obstruction could prevent the smoke, carbon monoxide or gas from reaching the alarm.

**WHERE THIS ALARM SHOULD NOT BE INSTALLED**

To avoid causing damage to the unit, to provide optimum protection, and to prevent unnecessary alarms. Do **NOT** locate this alarm:

- In garages, kitchens, crawl spaces and unfinished attics. Avoid extremely dusty, dirty or greasy areas. Installation in these areas could lead to nuisance alarms, may expose the sensor to substances which could damage or contaminate it, or the alarm may not be heard by people in other areas of the home, especially if they are sleeping.

- In the garage, vehicle exhaust can contain some carbon monoxide. These levels are higher when the engine is first started. Within hours of starting a vehicle and backing it out of the garage, the levels present over time can activate the alarm and become a nuisance.

- In the kitchen, some gas appliances can emit a short burst of CO or gas upon startup. This is normal. If your Smoke, CO and Natural Gas Alarm is installed too close to these appliances, it may alarm often and become a nuisance.

- Keep alarms at least 20 feet (6m) from the sources or combustion particles (stove, furnace, water heater, space heater), if possible. In areas where a 20 foot (6m) distance is not possible (in modular, mobile or smaller homes for example), it is recommended the alarm be placed as far from these fuel-burning sources as possible. The placement recommendations are intended to keep these alarms at a reasonable distance from a fuel-burning source and reduce "unwanted" alarms. Unwanted alarms can occur if an alarm is placed directly next to a fuel-burning source. Ventilate these areas as much as possible. **If you must install the alarm near a cooking or heating appliance, install at least 5 feet (1.5m) from appliance.**

- Less than 12 inches (306mm) away from fluorescent lights. Electrical noise can interfere with the sensor.

- In extremely humid areas. This alarm should be at least 10 feet (3m) from a bath or shower, sauna, humidifier, vaporizer, dishwasher, laundry room, utility room or other source of high humidity.

- In very cold or very hot environments or in unheated buildings or outdoor rooms where the temperature can go below or above the operating range of the alarm. Temperature limits for proper operation are 40° to 100°F (4.4° to 37.8°C).

- In turbulent air, such as near ceiling fans, heat vents, air conditioners, fresh air returns or open windows. Blowing air may prevent smoke, CO or natural gas from reaching the sensors.
• Good ventilation is recommended when household cleaning supplies or similar contaminants
are used.
• Excessive spillage or reverse venting of fuel-burning appliances caused by outdoor ambient
conditions, such as:
  ♦ Wind direction and/or velocity, including high gusts of wind. Heavy air in the vent pipes (cold/
humid air with extended periods between cycles).
  ♦ Negative pressure differential resulting from the use of exhaust fans.
  ♦ Simultaneous operation of several fuel-burning appliances competing for limited internal air.
  ♦ Vent pipe connections vibrating loose from clothes dryers, furnaces or water heaters.
  ♦ Obstructions in or unconventional vent pipe designs which can amplify the above situations.

THIS ALARM WILL NOT WORK WITHOUT 120 VAC POWER AND A GOOD
BATTERY PROPERLY INSTALLED. THE ALARM SHOULD BE TESTED WHEN
INSTALLED AND THEN TESTED WEEKLY AFTER THAT.

⚠️WARNING!

INSTALLATION INSTRUCTIONS: CAUTION!! READ CAREFULLY.

Installation of this alarm must conform to the electrical codes in your area: Article 760 of the
National Electrical Code, NFPA 72, 101; SBC (SBCCI); UBC (ICBO); NBC (BOCA): OTFDC
(CABO), and any other local or building codes that may apply. Wiring and installation must
be performed by a licensed electrician. Failure to follow these guidelines may result in injury
or property damage.

This alarm must be powered by a 24-hour, 120V AC 60Hz circuit. Be sure the circuit cannot be
turned off by a switch, dimmer or ground fault circuit interrupter. Failure to connect this
alarm to a 24-hour circuit may prevent it from providing constant protection.

IMPORTANT: Do not subject this alarm to megger, high voltage or high-pot tests. Remove the
alarm(s) before high-potting tests occur on the circuit or system. (Ref. Section 550-17, National

⚠️DANGER!

ELECTRICAL SHOCK HAZARD

Turn off power to the area where you will install this alarm at the circuit breaker or fuse box
before beginning installation. Failure to turn off the power before installation may result in
serious electrical shock, injury or death.

CAUTION: THIS SMOKE, CO AND NATURAL GAS ALARM IS SEALED. THE COVER
IS NOT REMOVABLE!

• A mounting bracket is provided on the back of the alarm.
• Remove the mounting bracket from the back of the alarm by holding the mounting bracket and
twisting the alarm in the direction indicated by the “TWIST TO REMOVE” arrow on the side of the
alarm base.

OPTIONAL TAMPER RESISTANT FEATURES: There are two separate tamper resistant locking
features provided for this model. Activating one or both of these features deters someone from
removing the smoke alarm from the mounting bracket or removing the battery from the alarm. The
breakaway locking pins are clearly marked and molded into the mounting bracket. Refer to the
diagram on the next page.

TO ACTIVATE THE LOCKING FEATURES: Do not activate the locking features until you have
activated the battery, mounted the smoke alarm to the bracket and tested the smoke alarm. Refer to
OPERATION, TESTING & MAINTENANCE instructions on Page 9.

1. Detach the breakaway alarm locking pin from the mounting bracket.
2. Insert the pin into the hole for the feature you are activating. Refer to the diagram below for correct placement.

TO DEACTIVATE THE LOCKING FEATURES: To remove the alarm for cleaning or servicing or to replace the battery, you must first remove the appropriate locking pin, if it has been installed.
1. Turn off AC power to the circuit.
2. Use long nose pliers to pull the locking pin out of the hole.
3. It is now possible to remove the alarm or replace the battery.

WIRING INSTRUCTIONS:
1. a. The appropriate power supply is 120 Volt single phase power supplied from a non-switchable circuit NOT protected by a ground fault circuit interrupter.
   b. Turn off AC power to the circuit before wiring the alarm.
   c. There are three pigtail wires (black, white and yellow) coming from the AC QUICK CONNECTOR. The proper wire connection is as follows:

<table>
<thead>
<tr>
<th>WIRES FROM QUICK CONNECTOR CONNECT TO</th>
<th>BLACK</th>
<th>WHITE</th>
<th>YELLOW</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>&quot;HOT&quot; side of AC line</td>
<td>&quot;NEUTRAL&quot; side of AC line</td>
<td>Interconnect wires of other alarms</td>
</tr>
</tbody>
</table>

**CAUTION!**

DO NOT TAMPER WITH WIRES WHEN POWER IS ON!

*For alarms that are used as single non-interconnected, stand-alone alarms, do not connect the yellow wire to anything. Insulate this wire (tape it) in place to make certain the yellow wire cannot contact any metal parts.*

Interconnected alarms can provide earlier warning of fire than stand-alone alarms, especially if a fire starts in a remote area of the dwelling. When alarms are interconnected, all alarms will sound when one alarm first goes into alarm. This alarm may be interconnected with a total of not more than 24 interconnected devices, i.e., as many as 11 other USI ELECTRIC or UNIVERSAL model smoke alarms or combination smoke and carbon monoxide (CO) or smoke and carbon monoxide / natural gas alarms; 6 other initiating alarms which may be a combination of USI ELECTRIC or UNIVERSAL CO Alarms and Heat Alarms; and six other non-initiating devices such as USI ELECTRIC Relay Modules.

This alarm can be interconnected with the following models: 2995, 5304, MI100, MI106, MDS211, MDS201, 2985, 5303, MI200, MI210, MDS101, MDS107, 3885, 3895, MP118, MP117, 3303, 3304, MP202, MP212, MDSCN111, MDSCN103, MICN109, MICN102, MCN105, MCN108, SS-785, SS-790, SS-795, SS-2795, SS-2790, SS-2785, SS-2895, HD-130, USI-1103, USI-1203, USI-1204, USI-1208 (Part #USI-1209), USI-1213, USI-2430, USI-3204, USI-5204, USI-5208, USI-5213, USI-7385, USI-7390, USI-7485, USI-7490, CD-9385, CD-9390, CD-9485, CD-9490, CD-9795, USI-7795 AND USI-960, RM-100 Relay.

When any one of these interconnected models goes into alarm, it will trigger the corresponding alarm within the interconnected system with respect to their sensing capabilities. Natural gas detection is only present in models MDSCN111, MDSCN103, MICN109, MICN102, MCN108 and MCN105; therefore, a natural gas alarm will NOT trigger the alarm of non-natural gas sensing models within an interconnected system.

The following alarms cannot be reset through an interconnected system because they do not have QUICK FIND® Alarm Origination: USI-1103, USI-1203, USI-1204, USI-1208 (Part #USI-1209), USI-1213, USI-5204, USI-5208, USI-5213, USI-3204, USI-2430, SS-785, SS-790, SS-795, SS-2795, SS-2790, SS-2785, SS-2895, USI-7385, USI-7390, USI-7485, USI-7490, CD-9385, CD-9390, CD-9485, CD-9490, CD-9795, USI-7795.

Interconnected CO alarms or CO alarm circuit of combination smoke and CO and Natural Gas alarms will only respond if a CO alarm / event initiates the alarm. All other alarms remain silent.

Interconnected combination Natural Gas Alarms will only respond if a natural gas event initiated the alarm. All other alarms remain silent.

Interconnected smoke alarms, heat alarms and relay modules will only respond if a smoke alarm / event or heat alarm / event initiates the alarm. All CO and Natural Gas alarms remain silent.

Note that smoke alarms without battery backup will not respond during an AC power failure. NOTE: Relay Modules/USI-960 will not respond if a CO alarm / event initiates the alarm.

The yellow wire is used only for multiple station operations with USI ELECTRIC or UNIVERSAL Model alarms only. Connecting this yellow wire to any other circuits may result in damage and alarm malfunction. When alarms are interconnected, all alarms must be powered from a single AC branch circuit. If local codes do not permit, be sure the neutral wire is common to both phases. The maximum wire run distance between the first and last alarm/device in an interconnected system is 1,000 feet. NOTE: Use standard household wire (18 gauge or larger, rated at least 300V, as required by local codes) available at all electrical supply/hardware stores.

The wiring to be used shall be in accordance with the provisions of Articles 210 and 300.3(B) of the National Electrical Code, ANSI/NFPA 70. In addition, the resistance of the interconnecting wiring shall be a maximum of 10 Ohms.

2. Attach the mounting bracket to the electrical junction box.
3. Plug the AC QUICK CONNECTOR into the alarm base. Push and twist the alarm clockwise onto the mounting bracket.
4. See "OPTIONAL TAMPER RESISTANT FEATURE" and "TO ACTIVATE THE LOCKING FEATURE" instructions on Page 7.
5. Turn on AC power and check the LED's for proper operation. The green LED should be on and blink off approx. every 20 seconds to indicate AC power.

IMPORTANT!
The battery backup is designed to provide short-term emergency power to the Smoke, CO and Gas Alarm. Actual backup time depends on the strength (freshness) of the battery. The battery backup will not work unless a good battery is properly installed.

When the alarm utilizes battery backup power, the natural gas sensor will operate the alarm and will sample less frequently to extend battery life. Natural gas could be present during this period between samples without the alarm sounding, especially if there is a rapid buildup of natural gas.

NOTE: It is best to “reset” the alarms before initial test is performed. See Page 10 for reset procedures.
OPERATION, TESTING & MAINTENANCE

OPERATION: The alarm is operating once the AC power is connected and turned on. When products of combustion are sensed, the alarm sounds a loud alarm which continues until the air is cleared. This alarm incorporates the NFPA recognized horn signal for evacuation. During alarm mode, the horn produces three beeps followed by a two second pause and then continually repeats.

READY/ACTIVE CONDITION: The green LED is on and blinks off once approx. every 20 seconds to indicate the alarm is properly functioning.

LOCAL ORIGINATING SMOKE ALARM CONDITION: The green LED turns off and the red LED blinks on approx. every second while the alarm emits a loud, pulsating alarm sound.

NON-ORIGINATING SMOKE ALARM CONDITION: The red LED is off and the alarm emits a loud, pulsating alarm.

GREEN LED: The green LED blinks on approx. every 40 seconds whenever AC power is turned on.

CO ALARM: The alarm signal is 4 beeps, 2 second pause, repeat. The red LED blinks on in sync with the cycle of 4 beeps.

GAS ALARM: The alarm signal is 1 beep, 1 second pause, repeat. The blue LED blinks on in sync with the horn beep every second.

NUISANCE ALARM: If the horn signals and the red or blue LED’s blink on for no apparent reason and no obvious hazard is present, please verify that the alarm is mounted in the correct location. Reset the alarm as instructed in the Operational Summary.

SMOKE ALARM LATCHING LED INDICATOR: The alarm had previously detected smoke and had alarmed. The red LED is off and blinks on approx. every 5 seconds until reset. Follow the reset instructions to remove the latching LED.

CO ALARM LATCHING LED INDICATOR: The alarm had previously detected CO and had alarmed. The red LED is off and blinks on approx. every 5 seconds until reset. Follow the reset instructions to remove the latching LED.

GAS ALARM LATCHING LED INDICATOR: The alarm had previously detected GAS and had alarmed. The blue LED is off and blinks on approx. every 5 seconds until reset. Follow the reset instructions to remove the latching LED.

TROUBLE / SERVICE ALARM: Periodically, the alarm measurement circuit is tested. If an error is detected, the alarm will sound 3 chirps approx. every 20 seconds. Reset the alarm. If the unit does not reset, replace the alarm.

END-OF-SERVICE LIFE ALARM: When it is time to replace your alarm, which is approximately 7 years of operation from initial power up, the alarm will sound 2 chirps approx. every 20 seconds. Replace alarm immediately. The product end-of-service life notification can be temporarily silenced for a 10 hour period for up to 20 days. After 20 days, the warning cannot be silenced. The alarm should be replaced immediately.

RESET THE ALARM: Press the TEST/SILENCE button for 10 seconds, or until the blue LED turns on, and then release. This will clear the alarm latching LED’s and clear the alarm origination. Reset after each alarm event.

TESTING: Test by pushing the Test button on the alarm cover until the alarm sounds, then release. The alarm sounds if all electronic circuitry and horn are working. If no alarm sounds, the alarm may have a power supply failure. Test the alarm weekly to assure proper operation.

ALARM ORIGINATION: The QUICK FIND® Alarm Origination Feature allows the user to identify the initiating alarm in an interconnected alarm system. If an interconnected alarm system is initiated by one of the alarms, when the alarm system exits alarm condition, the user can identify the initiating alarm by:

a. Pressing and releasing the test button on any alarm in the system.

b. Interconnected alarms will sound and then stop.

c. The originating alarm will continue to sound approx. 60 seconds to allow ample time to quickly find originating alarm.

d. In a non-interconnected installation, it is necessary to test each alarm to determine the originating alarm.

WHAT TO DO IF CARBON MONOXIDE IS DETECTED:

If you hear the alarm horn sound 4 beeps, a 2 second pause (and then repeat), carbon monoxide has been detected. Evacuate everyone from the building.

⚠️ WARNING ⚠️

Actuation of your CO Alarm indicates the presence of carbon monoxide (CO), which can kill you. In other words, when your CO Alarm sounds, you must not ignore it!
Some individuals are more sensitive to CO than others, including people with cardiac or respiratory problems, infants, unborn babies, pregnant mothers or elderly people can be more quickly and severely affected by CO. Members of sensitive populations should consult their doctors for advice on taking additional precautions.

IF THE CO ALARM SOUNDS:
1. Operate SILENCE button;
2. Call your emergency services, fire department or 911. Write down the number of your local emergency service here: ____________________________________________________________________________
3. Immediately move to fresh air - outdoors or by an open door/window. Do a head count to check that all persons are accounted for. Do not reenter the premises nor move away from the open door/window until the emergency services responders have arrived, the premises have been aired out and your alarm remains in its normal condition.
4. After following steps 1-3, if your alarmreactivates within a 24 hour period, repeat steps 1-3 and call a qualified appliance technician to investigate for sources of CO from fuel-burning equipment and appliances and inspect for proper operation of this equipment. If problems are identified during this inspection, have the equipment serviced immediately. Note any combustion equipment not inspected by the technician and consult the manufacturers' instructions or contact the manufacturer(s) directly for more information about CO safety and this equipment. Make sure that motor vehicles are not, and have not been, operating in an attached garage or adjacent to the residence. Write down the number of your local emergency service here: ____________________________________________________________________________

Find the pair of self-adhesive labels included with this Smoke, CO and Gas Alarm.
- On each label, write in the phone number of your emergency responder (such as 911) and a qualified appliance technician.
- Place one label near the Smoke, CO and Gas Alarm and the other label in the "fresh air" location you plan to go to if the alarm sounds.

WHAT TO DO IF NATURAL GAS IS DETECTED:

If you hear the alarm horn sound 1 beep per second, gas has been detected. Evacuate everyone from the building.

1. Leave the house immediately, opening doors and windows as you leave.
2. Do not use your telephone or appliances. Do not turn any light switches off or on. Any spark or flame could ignite the gas.
3. Call 911 and your gas company from a phone that is away from your home.
4. Do not reenter the area until the source of the leak is found and corrected.

**WARNING!**
If the unit alarms and you are not testing the unit, it is warning you of a potentially dangerous situation which requires your immediate attention. NEVER ignore any alarm. Ignoring the alarm may result in injury or death.

**WARNING**

USING THE SILENCE FEATURE (GAS ALARM SIGNAL CANNOT BE SILENCED)
NEVER disconnect the power to your alarm to silence the horn - use the Silence feature. Disconnecting the alarm removes your protection!
- The Silence feature is intended to temporarily silence the horn while you identify and correct the problem.
- To use the Silence feature, press and release the TEST/SILENCE button until the horn is silent if it was the initiating alarm.
- If the TEST/SILENCE button is pressed while the alarm is in the silence mode, the alarm will start sounding again.

WHEN THE CO ALARM SIGNAL IS SILENCED: The CO alarm Silence Feature can be activated by pressing and releasing the Test/CO Silence button on the initiating alarm while in alarm condition. The alarm will remain silent for approx. 5 minutes (with the red LED blinking on approx. every 10 seconds), depending on the level of CO detected. If CO levels drop below alarm levels, the alarm will remain silent and return to normal operation. If CO levels remain constant or increase, this indicates a potentially dangerous situation and the horn will sound again. Ventilate area.
WHEN THE SMOKE ALARM SIGNAL IS SILENCED: The alarm will remain silent for up to approx. 8-12 minutes (with the red LED blinking on approx. every 10 seconds) and then return to normal operation. Ventilate area. If the smoke has not cleared within the silence period, the unit will go back into alarm.

IMPORTANT!
The Silence feature is intended to temporarily silence the alarm horn. It will not correct a Smoke, CO or Natural Gas problem. The Gas Alarm signal cannot be silenced.

RESET: To reset the QUICK FIND® Alarm Origination condition, press and hold the TEST/SILENCE button on any alarm for at least 10 seconds, or until the blue LED turns on, and then release. Reset after each alarm. The reset feature will reset all interconnected units.

SENSOR TROUBLE/SERVICE ALARM: If the alarm chirps 3 times approx. every 20 seconds and cannot be restored to normal operation, the alarm should be replaced immediately.

WARNING!
NEVER use an open flame of any kind to test this smoke alarm. You might accidentally damage or set fire to the smoke alarm or to your home. The built-in test switch accurately tests the smoke alarm's operation as required by Underwriters Laboratories Inc. (UL).

(UTHA) Sensitivity Indicating Means
The sensitivity indicating means for this Smoke and Fire Alarm is the use of the analyzer for Smoke Detectors Model 501-A or 501-A/Bat Aerosol Generator Manufactured by Gemini Scientific Corp., 1122-B Aster Ave., Sunnyvale, CA 94086.

The Equivalent UL 268 Light obscuration %/Ft as measured by this instrument must be within the obscuration listed on the back of this alarm.

(UTHA) Go/No-Go Field Test
The Go/No-Go test for this smoke and fire alarm is to use one of the following UL listed can-type aerosol smoke alarm testers. The instructions for use are printed on the canister. Home Safeguard, Model 25S.

CAUTION!
If you choose to use an aerosol smoke product to test the smoke alarm, be certain to use one that has been Listed to Underwriters Laboratories, Inc. Safety Standards and use it only as directed. Use of non-UL Listed products or improper use of UL Listed products may affect the smoke alarm’s sensitivity.

(UTHA) MAINTENANCE:
The alarm is virtually maintenance free. However, under dusty conditions, a vacuum hose may be used to clear the sensing chamber of dust.

Clean the alarm at least once a month to remove dust, dirt, insects or debris. Always turn off power to alarm before cleaning. Using a soft brush or wand attachment to a vacuum cleaner, vacuum all sides and cover of the alarm. Be sure all the vents are free of debris.

If the alarm is false alarming and cannot be restored to normal operation, the alarm should be replaced.

WARNING
WEEKLY TESTING
- NEVER use an open flame of any kind to test this unit. You might accidentally damage or set fire to the alarm or to your home. The built-in test switch accurately tests the unit's operation as required by the UL 217, UL 2034 and UL 1484 Standards. NEVER use vehicle exhaust! Exhaust may cause permanent damage and voids your warranty.
- DO NOT stand close to the alarm when the horn is sounding. Exposure at close range may be harmful to your hearing. When testing, step away when the horn starts sounding.

CAUTION!
It is important to test this alarm every week to make sure it is working properly.

USING THE TEST FEATURE:
Press and release the TEST button on the alarm cover.

During testing, you will hear: 3 beeps (red LED on), 2 second pause, 3 beeps (red LED on), 6 second pause, 4 beeps (red LED on), 2 second pause, 1 beep (blue LED on).

If the alarm does not sound properly:
1. Make sure the AC power is applied and the battery is fresh and installed correctly.
2. Test the alarm again.
CLEANING YOUR ALARM:

**WARNING!**

DO NOT use spray cleaning chemicals or insect sprays directly on or near the alarm. DO NOT paint over the alarm. Doing so may permanently damage the alarm.

The outside can be wiped with a damp cloth. Do not use any household cleaning agents, ammonia-based cleaners, paints, varnishes or any other chemical on or near your alarm. **AFTER CLEANING, REINSTALL YOUR ALARM. TEST YOUR ALARM BY USING THE TEST BUTTON.**

**WARNING!**

**BACKUP BATTERY REPLACEMENT**

*Disconnect AC power before changing battery. Shock hazard exists if AC power is miswired.*

The alarm uses a 9 Volt battery. The battery should last for at least one year under normal operating conditions. The alarm has a low battery indicator, an audible beep or chirp. It will operate at approx. 40 second intervals for a minimum of 7 days. When this indication occurs, replace the battery with an Alkaline type (Energizer #522, Duracell #MN1604, Zeus 9V), or Lithium type (Energizer LA522, Ultralife U9VL-J, U9VL-J-P) from your local retailer.

**OPTIONAL BATTERY DRAWER TAMPER LOCKING PIN:** To make your battery drawer tamper resistant, a locking pin has been provided (breakaway part on mounting bracket).

**NOTE:** If this feature has been activated, you will need to deactivate it by removing the battery drawer tamper pin located at side of battery drawer. Refer to Page 7.

Pull the QUICK DRAW™ battery drawer open and remove the battery. While observing polarity, push the replacement battery into the battery drawer until it is held securely in place. Carefully close the battery drawer and reinstall the tamper pin.

Test the alarm by pushing the TEST button on the alarm cover until the alarm sounds, then release.

**CO AND NATURAL GAS ALARM LIMITATIONS**

Alarms have limitations. Like any other electronic device, Smoke, CO and Natural Gas alarms are not foolproof.

Smoke, CO and Natural Gas alarms have a limited operational life. Your alarm must be tested weekly, because it could fail to operate at any time. If your Alarm fails to test properly, or if its self-diagnostic test reveals a malfunction, immediately have the unit replaced (see last page for warranty information).

Smoke, CO and Natural Gas alarms can only sense CO which reaches the alarm's sensor. Carbon monoxide may be present in other areas without reaching the alarm.

CO or gas could be present on one level of the home and not reach the alarm installed on a different level. For example, CO or gas in the basement may not reach an alarm on the second level, near the bedrooms. For this reason, we recommend you provide complete coverage by placing a Smoke, CO and Natural Gas alarm on every level of the home.

Smoke, CO and Natural Gas alarms are not a substitute for property, disability, life or other insurance of any kind. Appropriate coverage is your responsibility.

**POTENTIAL SOURCES OF CO IN THE HOME**

Fuel-burning appliances, such as; heaters, gas or wood burning fireplaces, gas kitchen ranges or cooktops, gas clothes dryers.

Damaged or insufficient venting; such as; corroded or disconnected water heaters, vent pipes, leaking chimneys, pipes or flues or cracked heat exchangers, blocked or clogged chimney openings.

Improper use of appliances/devices; operating a barbeque grill or vehicle in an enclosed area (such as a garage or screened porch).

**Transient CO Problems:** "transient" or on-again/off-again CO problems can be caused by outdoor conditions and other special circumstances.

**The following conditions can result in transient CO situations:**

1. Excessive spillage or reverse venting of fuel-burning appliances caused by outdoor ambient conditions, such as:
   - Wind direction and/or velocity, including high gusts of wind. Heavy air in the vent pipes (cold/humid air with extended periods between cycles).
   - Negative pressure differential resulting from the use of exhaust fans.
DEVELOP AND PRACTICE A PLAN OF ESCAPE

BASICS OF ESCAPE PLAN
- Make a floor plan indicating all doors and windows and at least two escape routes from each room. Second story windows may need a rope or chain ladder.
- Have a family meeting and discuss your escape plan, showing everyone what to do in case of fire.
- Determine a place outside your home where all of you can meet if a fire occurs.
- Familiarize everyone with the sound of the smoke alarm and train them to leave your home when they hear the sound.
- Identify children's bedrooms with red stickers placed in the upper left corner of the windows. They are available from your local fire department.
- Practice a fire drill at least every six months. Practice allows you to test your plan before an emergency. You may not be able to reach your children. It is important they know what to do!

WHAT TO DO WHEN THE ALARM SOUNDS
- Leave immediately by your plan of escape. Every second counts, so don't waste time getting dressed or picking up valuables.
- In leaving, don't open any inside door without first feeling its surface. If hot, or if you see smoke seeping through cracks, don't open that door! Instead, use your alternate exit. If inside door is cool, place your shoulder against it, open it slightly and be ready to slam it shut if heat and smoke rush in.
- Stay close to the floor if air is smoky. Breathe shallowly through a cloth, wet if possible.
- Once outside, go to your selected meeting place and make sure everyone is there.
- Call the fire department from your neighbor's home – not from yours!
- Don't return to your home until fire officials say that it is all right to do so.

REPAIRS AND SERVICES
If this alarm is defective in any way, do not tamper with it. Return the alarm for servicing. See warranty for instructions. There will be a service charge for repairing out of warranty alarms. This alarm contains less than 1 microcurie (37 kilobecquerel) of Americium 241, a radioactive material. The distribution of these alarms is licensed by the U.S. Nuclear Regulatory Commission. The consumer is exempt from any licensing or requirements.
For your information, the National Fire Alarm Code, NFPA 72, reads as follows:

11.5.1 *Required Detection - Where required by applicable laws, codes, or standards for a specific type of occupancy, approved single and multiple-station smoke alarms shall be installed as follows:

1. *In all sleeping rooms and guest rooms
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 and excluding crawl spaces and unfinished attics
5. *In the living area(s) of a guest suite
6. In the living area(s) of a residential board and care occupancy*

The equipment should be installed using wiring methods in accordance with the National Fire Protection Association's Standard 72.

(National Fire Protection Association, Batterymarch Park, Quincy, MA 02269)
<table>
<thead>
<tr>
<th>Condition / Recommendation</th>
<th>HORN</th>
<th>POWER GREEN LED</th>
<th>SMOKE RED LED</th>
<th>GAS BLUE LED</th>
<th>CO RED LED</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Silent</strong></td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>Silent</strong></td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>3 beeps, 2 second pause, 3 beeps, 6 second pause, 4 beeps, 5 second pause, 1 beep</strong></td>
<td>Turns off when the 3 beeps start</td>
<td>Off</td>
<td>Blinks on in sync with the 1 beep</td>
<td>Blinks On in sync with the 1 beep</td>
<td>Blinks On in sync with 4 beeps and turns off</td>
</tr>
<tr>
<td><strong>Horn does not sound when other alarms are active or when interconnected alarm’s test/reset button is pressed</strong></td>
<td><em>See below</em></td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td></td>
</tr>
<tr>
<td><strong>3 beeps, 2 second pause, repeat</strong></td>
<td>Turns off when the 3 beeps start</td>
<td>Off</td>
<td>Blinks approx. once every second</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td><strong>4 beeps, 5 second pause, repeat</strong></td>
<td>Turns off when the 4 beeps start</td>
<td>Off</td>
<td>Off</td>
<td>Blinks On in sync with 4 beeps</td>
<td>Off</td>
</tr>
<tr>
<td><strong>1 Beep, 2 second pause, repeat</strong></td>
<td>Turns off when the 1 beep start</td>
<td>Off</td>
<td>Blinks On in sync with the 1 beep</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td><strong>1 Beep, 2 second pause, repeat</strong></td>
<td>Turns off when the 1 beep start</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td><strong>Horn sounds when no hazard is present</strong></td>
<td>Turns off when the 1 beep start</td>
<td>Off</td>
<td>Blinks approx. once every 30 seconds</td>
<td>Off or Blinks On in sync with the 1 beep</td>
<td>Off or Blinks On in sync with 4 beeps</td>
</tr>
<tr>
<td><strong>3 Beeps, 5 second pause, repeat</strong></td>
<td>Turns off when the 3 beeps start</td>
<td>Blinks approx. once every second</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td><strong>4 Beeps, 5 second pause, repeat</strong></td>
<td>Turns off when the 4 beeps start</td>
<td>Off</td>
<td>Off</td>
<td>Blinks On in sync with 4 beeps</td>
<td>Off</td>
</tr>
</tbody>
</table>

**Condition:** AC power is present. DC power is present.
**Recommendation:** None

**Condition:** Alarm is powered by battery backup. AC Power is not present.
**Recommendation:** Check the breaker or fuse box for power. If the breaker or fuse box looks normal, call a licensed electrician for assistance.

**Condition:** Test/silence button has been pressed. The test sequence lasts for approx. 20 seconds.
**Recommendation:** None

**Condition:** One or more units are not responding to interconnected alarm.
**Recommendation:** Turn off AC power at the circuit breaker or fuse box and disconnect the alarm from the mounting bracket and make sure the connector plug is securely attached on units that did not alarm. If still no alarm, have a licensed electrician check to see if yellow wire is connected properly.

**Condition:** Originating Smoke Alarm.
**Recommendation:** If hazard is identified, take all precautions if an alarm sounds by calling an Emergency Service and getting out of the home.

**Condition:** Non-originating Smoke Alarm.
**Recommendation:** Another interconnected smoke alarm has sensed smoke, causing all interconnected units to sound. If hazard is identified, take all precautions if an alarm sounds by calling an Emergency Service and getting out of the home.

**Condition:** Originating CO Alarm.
**Recommendation:** If hazard is identified, take all precautions if an alarm sounds by calling an Emergency Service and getting out of the home.

**Condition:** Non-originating CO Alarm.
**Recommendation:** An interconnected CO alarm has sensed CO, causing all interconnected units to sound. If hazard is identified, take all precautions if an alarm sounds by calling an Emergency Service and getting out of the home.

**Condition:** Originating GAS Alarm.
**Recommendation:** If hazard is identified, take all precautions if an alarm sounds by calling an Emergency Service and getting out of the home.

**Condition:** Non-originating GAS Alarm.
**Recommendation:** An interconnected GAS alarm has sensed GAS, causing all interconnected units to sound. If hazard is identified, take all precautions if an alarm sounds by calling an Emergency Service and getting out of the home.

**Condition:** Nuisance Alarm.
**Recommendation:** If there is no hazard present, verify the alarm mounted in the correct location (see User’s Manual). Reset alarm as instructed below.

**Condition:** Smoke alarm when cause of alarm is known and poses no threat.
**Recommendation:** The smoke alarm Silence Feature can be activated by pressing and releasing the Test/Silence button on the initiating alarm while in alarm condition. Silence mode will last for approx. 8-12 minutes (with the red LED blinking on approx. every 10 seconds).

**Condition:** CO alarm when cause of alarm is known and poses no threat.
**Recommendation:** The CO alarm Silence Feature can be activated by pressing and releasing the Test/CO Silence button on the initiating alarm while in alarm condition. The alarm will remain silent for approx. 5 minutes (with the red LED blinking on approx. every 10 seconds), depending on the level of CO detected. If CO levels drop below alarm levels, the alarm will remain silent and return to normal operation. If CO levels remain constant or increase, this indicates a potentially dangerous situation and the horn will sound again. Ventilate area.
<table>
<thead>
<tr>
<th>HORNS</th>
<th>POWER GREEN LED</th>
<th>SMOKE RED LED</th>
<th>GAS BLUE LED</th>
<th>CO RED LED</th>
</tr>
</thead>
<tbody>
<tr>
<td>Silent (alarmed previously)</td>
<td>On and Blinks Off approx every 20 seconds</td>
<td>Off or Blinks On approx every 5 seconds until reset</td>
<td>Off and Blinks On approx. every 5 seconds until reset</td>
<td>Off and Blinks On approx. every 5 seconds until reset</td>
</tr>
<tr>
<td>Horn has stopped sounding</td>
<td>On and Blinks Off approx every 20 seconds</td>
<td>Off or Blinks On approx every 5 seconds until reset</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>Horn has stopped sounding</td>
<td>On and Blinks Off approx every 20 seconds</td>
<td>Off</td>
<td>Off and Blinks On approx every 5 seconds until reset</td>
<td>Off</td>
</tr>
<tr>
<td>Silent (alarmed previously)</td>
<td>On and Blinks Off approx every 20 seconds</td>
<td>Off or Blinks On approx every 5 seconds until reset</td>
<td>Off and Blinks On approx. every 5 seconds until reset</td>
<td>Off and Blinks On approx. every 5 seconds until reset</td>
</tr>
<tr>
<td>1 Chirp approx. every 40 seconds</td>
<td>On and Blinks Off approx every 20 seconds</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>3 Chirps approx. every 20 seconds</td>
<td>On and Blinks Off approx every 20 seconds</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
<tr>
<td>2 Chirps approx. every 20 seconds</td>
<td>On and Blinks Off approx every 20 seconds</td>
<td>Off</td>
<td>Off</td>
<td>Off</td>
</tr>
</tbody>
</table>

**Condition / Recommendation**

- **Silent (alarmed previously):** Previous alarm condition at unidentified source. **Recommendation:** QUICK FIND® Alarm Origination - In an interconnected system, it is difficult to determine which alarm initiated the alarms to sound. The QUICK FIND® feature will allow you to immediately locate the originating alarm (once the alarms have stopped sounding). To initiate QUICK FIND®, press the Test/Silence button on any alarm. After releasing the button, the originating alarm will continue to sound for approx 60 seconds. In a non-interconnected installation, it is necessary to test each alarm to determine the originating alarm. Reset the originating alarm.

- **Horn has stopped sounding:** Latching smoke LED indicator. The alarm has previously detected smoke and had alarmed. **Recommendation:** Follow the reset instructions to remove the latching LED.

- **Horn has stopped sounding:** Latching CO LED indicator. The alarm has previously detected CO and had alarmed. **Recommendation:** Follow the reset instructions to remove the latching LED.

- **Horn has stopped sounding:** Latching GAS LED indicator. The alarm has previously detected GAS and had alarmed. **Recommendation:** Follow the reset instructions to remove the latching LED.

- **Silent (alarmed previously):** Alarm needs to be reset due to abnormal operation/previous alarms. **Recommendation:** To reset the alarm, hold the Test/Silence button for 10 seconds or until the blue LED turns on. This will clear the alarm origination and latching LEDs. Reset after each alarm event.

- **1 Chirp approx. every 40 seconds:** Low battery. **Recommendation:** Check to make sure a battery is present in the drawer, the battery activation pull tab has been completely removed, battery polarity is correct and the battery terminals are making contact with the smoke alarm contacts in the battery drawer. If chirp continues, replace the 9V battery (see User’s Manual for recommended battery types).

- **3 Chirps approx. every 20 seconds:** Sensor Trouble/Sensor End-of-Life Alarm. **Recommendation:** If this does not clear the problem, replace alarm.

- **2 Chirps approx. every 20 seconds:** Product End-of-Service Life Notification. **Recommendation:** Replace the alarm immediately. The product end-of-service life notification can be temporarily silenced for a 10-hour period for up to 20 days. After 20 days, the warning cannot be silenced. The alarm should be replaced immediately.

* During 120 volt operation On and Blinks Off approx. every 30 seconds. During 9 volt (DC backup) operation, blinks On approx. every 40 seconds.
USI ELECTRIC, INC. / UNIVERSAL SECURITY INSTRUMENTS, INC. (“USI”) warrants your product to be free from defects in material and workmanship for a period of seven (7) years from the date of purchase. This warranty shall not apply to any batteries used in the product or to any damage which may be caused by such batteries. This warranty applies only to the original consumer purchaser and only to products used in normal residential use and service. If this product is found to be defective, USI’s only obligation, and your exclusive remedy, is the repair or replacement of the product, at USI’s discretion, provided that the product has not been damaged through misuse, abuse, accident, modifications, alteration, neglect or mishandling. This Warranty shall not apply to any product which is found to have been improperly installed, set-up, or used in any way not in accordance with the instructions supplied with the product.

ALARM RETURNS

For replacement of this alarm under the terms of this Warranty, contact Customer Service at 1-800-390-4321, Ext. 238, for current postage and handling fees. **USI DOES NOT WARRANT AND SPECIFICALLY DISCLAIMS ANY WARRANTY, WHETHER EXPRESS OR IMPLIED, OF FITNESS FOR A PARTICULAR PURPOSE, OTHER THAN THE WARRANTY CONTAINED HEREIN. NO IMPLIED WARRANTY ON THIS PRODUCT, CREATED BY STATE LAW, SHALL EXTEND BEYOND THE TERM OF THIS WARRANTY UNLESS SUCH LAW OTHERWISE PROVIDES. USI SPECIFICALLY DISCLAIMS ANY LIABILITY AND SHALL NOT BE LIABLE FOR ANY CONSEQUENTIAL OR INCIDENTAL LOSS OR DAMAGE, INCLUDING, BUT NOT LIMITED TO, DAMAGES TO ANY EQUIPMENT WITH WHICH THIS PRODUCT IS USED.** Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitations or exclusions may not apply to you. No agent, representative, dealer, or employee of the company has the authority to increase or alter the obligations or terms of this Warranty. This Warranty gives you specific legal rights and you may also have other rights which vary from state to state. This Warranty is only valid for merchandise purchased from outlets in the United States and Canada. This warranty expires upon product end-of-service life signal.

LITHIUM BATTERY LIMITED WARRANTY

The Ultralife battery models U9VL-J and U9VL-J-P are warranted by Ultralife Corporation in this alarm ONLY and are not warranted in any other device. Submit your warranty claim through the Ultralife website www.ultralifecorp.com or call 800-332-5000.