

INTELLIGENT WIRELESS

QUELL

Smoke Alarm User Guide

Photoelectric Smoke Alarm with Voice
and Wireless Interconnect – Battery Operated

Model Q4000DCS-WCB

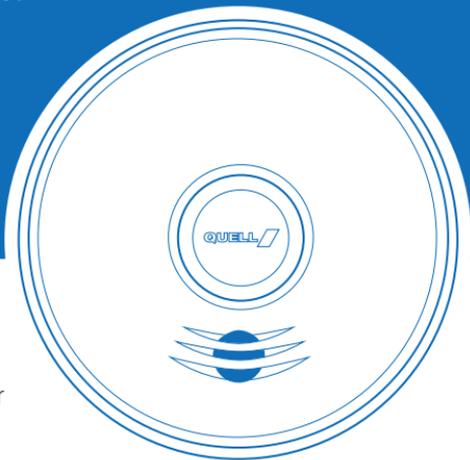
Model Q4000DCS-WCL

Model Q4000DCS-WBB

Model Q4000DCS-WBL

Model Q4000LDCS-WCH (Safety Light)

Model Q4000LDCS-WBH (Safety Light)



WIRELESS INTERCONNECT:

You do NOT need a home wi-fi system to use these units. Multiple wireless units create their own independent wireless alarm network.

Quell alarms connect to each other wirelessly via communication on the 915-928 MHz band.

PHOTOELECTRIC SMOKE ALARM

- 10-YEAR SEALED LITHIUM BATTERY
- WIRELESS INTERCONNECT
- VOICE ALARM

P/N: 137071, 137073, 137077,
137072, 137074, 137078



Thank You for Purchasing this Quell® Smoke Alarm

These models are powered by a non-replaceable, long life sealed lithium battery system, and include SMART HUSH Control to temporarily silence nuisance alarms. They are capable of interconnecting wirelessly via RF signals.



READ SECTION 7: Activation and Wireless Alarm Network, before powering the units. You do NOT need a home wi-fi system to use these units. Quell® alarms connect to each other wirelessly via communication on the 915-928 MHz band.

Teach children how to respond to the alarm and that they should never play with the unit.

Your Quell® Smoke Alarm was designed for use in a residential environment.

NOTE: Please thoroughly read this user guide and save the document for future reference and to pass on to any subsequent owner.

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1. Product features

The Q4000 series is powered from a non-replaceable battery. The smoke alarm ensures protection in the event of a power failure.

- Smoke Alarm SMART HUSH Control
- Voice message system
- Powered by 3V DC non-replaceable sealed lithium battery.
- Wireless interconnectable to QUELL compatible alarms.
- One large, user- friendly button.
- LED safety light on model Q4000LDCS-WCH and Q4000LDCS-WBH to help illuminate escape pathways

2. Product Specifications

Models	Q4000DCS-WCB with voice Q4000DCS-WBB with voice Q4000DCS-WCL with voice Q4000DCS-WBL with voice Q4000LDCS-WCH with Light Q4000LDCS-WBH with Light
Electrical Rating	3V sealed lithium battery
Radio Frequency	925MHz
Sensor	Photoelectric
Wireless Interconnecting Smoke Alarms	up to any combination of 23 QUELL wireless smoke alarms models. Compatible models are Q2300W and Q4000 Series
Wireless Range	At least 100m line of sight. Distance vary depending on obstructions.
Operating Temperature	0 °C to 40°C
Operating Humidity	Up to 93% Humidity (Non-Condensing)
Storage and Transport Conditions	- 20° C to +60° C, 5-95%RH (non-condensing)
Audiable Alarm	85 decibels at 3 metres with voice message "Fire!"

3. Recommended Locations for Smoke Alarms

Refer to your local state and federal laws or contact your local fire brigade to determine the minimum installation requirements (Figure 3.1 A and Figure 3.1 B).

Recommended Locations

- In every room where someone sleeps with the door closed. The closed door may prevent an alarm located outside from waking the sleeper.
- In the immediate area of bedrooms and the exit path from all sleeping areas (Figure 3.1 A).
- In stairways, as stairways act like chimneys for smoke and heat.
- In any room where large electrical appliances are operated (e.g., portable heaters or humidifiers).
- If a hallway or room is more than 9.1m long put alarms at both ends.
- For maximum household protection see Figure 3.1 C. Ordinary residential construction.

Things to Consider:

- Smoke from a fire will rise to the ceiling and spread horizontally.
- Mounting the smoke alarm in the centre of the ceiling places it closest to all points in the room.
- When mounting an alarm on the ceiling, locate it at a minimum of 30cm from the side wall (Figure 3. 2A).
- For sloped, peaked or cathedral ceilings the alarm should be placed between 500mm and 1500mm from the highest point of the ceiling (Figure 3.2A and 3.2B).
- Smoke alarms in rooms with ceiling slopes greater than 1m in 8m horizontally, should be located on the high side of the room (Figure 3. 2 A).

For Wall Mounting:

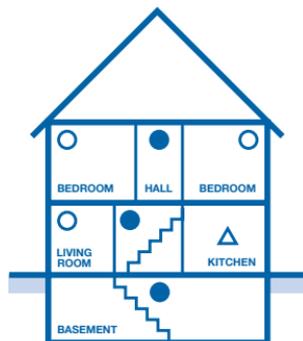
When mounting the alarm on the wall, use an interior wall with the top edge of the alarm at a minimum of 10cm and a maximum of 30cm below the ceiling (Figure 3.2 A).



- Smoke Alarms for Minimum Protection
- Smoke Alarms for Additional Protection
- △ Not within 3m of cooking appliances

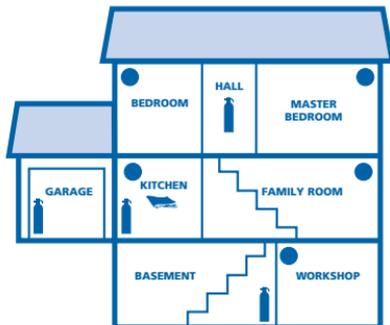
SINGLE FLOOR PLAN

FIGURE 3.1 A



MULTIPLE FLOOR PLAN

FIGURE 3.1 B



-  FIRE EXTINGUISHERS
-  SMOKE ALARMS
-  FIRE BLANKET

TOTAL HOME PROTECTION

FIGURE 3.1 C

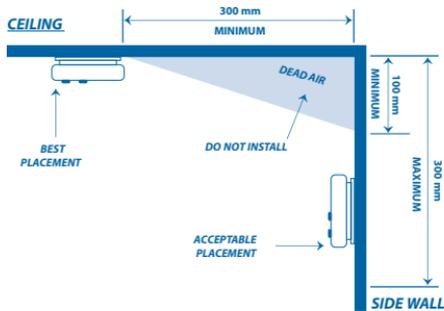


FIGURE 3.2 A



FIGURE 3.2 B

4. Locations To Avoid

- Smoke alarms should not be installed within 0.9m(3 ft)
 - of the door to a bathroom containing a tub or shower
 - forced air supply ducts used for heating or cooling
 - ceiling or whole house ventilating fans
 - other high air flow areas
- Areas where curtains or other objects will block the sensor. Smoke must be able to reach the sensor to accurately detect conditions.
- Install at least 300mm away from a light fitting.
- No closer than 400 mm outside the circumference of a ceiling fan.
- Keep out of insect infested areas.
- Avoid excessively dusty, dirty or greasy areas.
- Do not install in areas where the temperature is colder than 0°C or hotter than 40°C.
- Do not install in areas where the relative humidity (RH) is greater than 93%.
- Normal cooking may cause nuisance alarms. If a kitchen alarm is desired, it should have an alarm silence feature and should not be installed within 3m of cooking appliances.
- Avoid dead air spaces such as the peak of an "A" frame ceiling. "Dead Air" at the top may prevent smoke from reaching the alarm in time to provide early warning. Refer to Figure 3.2A and 3.2B

NOTE: Smoke alarms are not to be used with detector guards unless the combination (alarm and guard) has been evaluated and found suitable for that purpose.

5. Installation

Upon initial power being applied (from rotating onto mounting plate or moving the red activation wheel to the "ON" position - see Figure 7.1-B) these units are ready to connect to a network.

NOTE: At any time during wireless alarm setup, if you have a problem, you can push and hold the Test/Hush button on any problem unit until you hear three (3) beeps (approx 8 sec), and then release the button. The unit will reset the unit's wireless settings (described in Section 7.3). Once wireless settings are reset, the unit will prompt the user to follow Quickstart instructions.

NOTE: Wireless units will emit a series of LED flashes, tones, and voices as the unit(s) search for a wireless alarm setup. If you are intending to use wireless units without the wireless function, ignore these notifications, and the wireless function will eventually turn off. You can turn the wireless function on again at a later date if desired. See Section 7.2.

NOTE: After activation, the battery can be turned off by turning the switch anti-clockwise. If the alarm is removed from the mounting plate, the battery will remain active.

Wireless

These models have wireless alarm interconnect capability. When one interconnected unit sounds an alarm, all other compatible wireless units in the wireless alarm network will alarm. These alarms connect to each other wirelessly via communication on the 915-928 MHz band.

- A maximum of 24 Quell Safety devices may be interconnected. The interconnect system should not exceed the following individual limits: 12 smoke alarms and/or 18 alarms total (smoke, CO, Smoke/ CO Combination, heat, etc.) and/or 6 remote signaling devices and / or relay modules.
- Maximum distance between wireless interconnect models is greater than 100 meters in open air.

COMPATIBLE WIRELESS INTERCONNECT UNITS

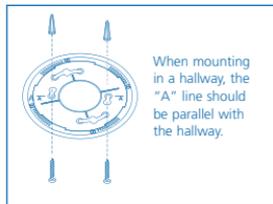
DC Models: Q4000DCS-WCB, Q4000DCS-WCL,
Q4000DCS-WBB, Q4000DCS-WBL,
Q4000LDCS-WCH (Safety Light),
Q4000LDCS-WBH (Safety Light)

6. Installation / Mounting Instructions

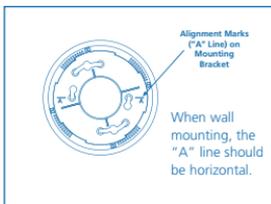
▲ CAUTION: THIS UNIT IS SEALED (INCLUDING THE BATTERY). THE COVER IS NOT REMOVABLE!

Once the steps to setup the wireless alarm network have been completed (See section 7), please proceed to the following installation steps.

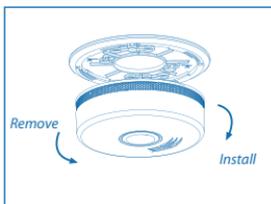
1. To obtain aesthetic alignment of the alarm with the hallway or wall, the "A" line on the mounting bracket should be parallel with the hallway when ceiling mounting or horizontal when wall mounting.



Figures 6-A



Figures 6-B



Figures 6-C

2. After selecting the proper smoke alarm location as described in Section 6, attach the mounting bracket to the ceiling as shown in Figure 6-A. For wall mounting see Figure 6-B. Place the mounting plate on the wall; be sure the "A" line is horizontal (parallel to the floor). Use the screws and anchors provided to secure the mounting bracket (use 3/16" drill bit for anchors).

3. This alarm has a battery permanently sealed inside; No battery installation is necessary.

Align the alarm with the mounting plate and rotate clockwise (right) until the unit stops and clicks into place.

- Install the alarm fully on the mounting bracket by rotating the alarm in a clockwise direction.

NOTE: The alarm will mount to the plate in four (4) positions (every 90 degrees).

The alarm is now activated! After installation/activation, test your alarm as described in Operation and Testing section.

▲ WARNING : FAILURE TO PROPERLY INSTALL AND ACTIVATE THIS ALARM WILL PREVENT PROPER OPERATION OF THIS ALARM AND WILL PREVENT ITS RESPONSE TO FIRE HAZARDS.

7. Activation and Wireless alarm network

7.1 Setting Up a Wireless Alarm Network

Creating an interconnected wireless alarm network is a simple process, with intelligent “self-enrollment” features, and user-friendly voice prompts.

A. REMOVE ALL DEVICES FROM THEIR PACKAGING

B. POWER UP ALL DEVICES

- Locate the red wheel on the back of the device. Turn the red wheel to the “ON” position on ALL devices using the white tool included with the Quick Start Guide.
- Once powered, the light rings will glow red and voice message will announce, “Ready to connect. Follow Quick Start instructions.”

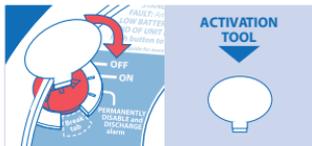


Figure 7.1-B

NOTE: *If no further steps are taken within 15 minutes of initial power up, a voice prompt, “No devices found, not connected” will be heard once, and the wireless function will turn off. The unit will then perform as a standard stand alone alarm. See Section 7.3 for re-activating wireless.*

C. PICK ONE DEVICE

NOTE: *This chosen device will be the “host” of the wireless alarm network. Keep this unit separated from the others. For best results, after wireless setup is complete, install the host in a central location.*

Press and hold the button on only ONE device until you hear two beeps. Release button. You will hear “Searching for other devices”.

- The light will pulse and device will sound a continuous “Sonar” ping until step E is complete.



Figure 7.1-C

D. RELAX AND WAIT

NOTE: *For reference, these non-host units are called “Peers”.*

Wait until all other devices (Peers) have connected to network. Once connected, each device will speak, “Success now connected!”

- Once connected, the lights will glow green.

E. PICK ONE DEVICE

Press and hold the button on only ONE device until you hear 2 beeps. Release button. “Sonar” ping will stop.



Figure 7.1-D



Figure 7.1-E

- Device will announce that setup is complete and the number of connected devices.

F. WIRELESS SETUP COMPLETE!

If all devices flash green and “Sonar” ping has stopped, the devices are now connected. Congratulations!

IMPORTANT: If for some reason, you forget which unit is the host, follow these simple steps to re-confirm the host and the Peer units.

1. Press and hold the button on any unit for 4-5 seconds until 2 beeps are heard. Release button.
2. Observe the LED ring on each unit. The host will be fading green on/off every 2 seconds. The Peers will be fading green on/off every 4 seconds.
3. After confirming the host, press and hold the button on any unit for 4-5 seconds until 2 beeps are heard.

G. PLEASE SELECT LOCATION AND INSTALL ALARM

Please see section 6 “Installation / Mounting Instructions”

7.2 Adding Another Wireless Device to an Existing Wireless Alarm Network

For various reasons, you might want to add additional units to your existing wireless alarm network. Modifying your existing wireless alarm network is easy and user-friendly.

A. REMOVE THE NEW DEVICE FROM ITS PACKAGING.

B. POWER UP NEW DEVICE

Locate the red wheel on the back of the device being added. Turn the red wheel to the “ON” position using the white activation tool included in the Quick Start Guide or a standard screwdriver.

- Once powered, the light ring will glow red.

C. PICK ONE INSTALLED DEVICE

Press and hold the button on ONE INSTALLED device on your network until you hear two beeps. Release button. You will hear “Searching for other devices.”

- Light will pulse green and device will sound a continuous “Sonar” ping until step E is completed.

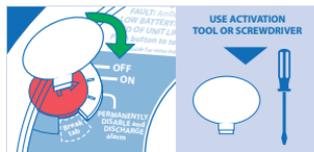


Figure 7.2-B



Figure 7.2-C

D. RELAX AND WAIT

Wait until the new device has connected to the network. Once connected, the new device will speak, "Success now connected!"

- Once connected, the light ring will glow green.

E. FINISH ADDING NEW DEVICE - COMPLETE WIRELESS NETWORK SETUP

Press and hold the button on the INSTALLED device for 5 SECONDS until you hear two beeps. Release button. "Sonar" ping will stop.

- Device will announce that setup is complete and the number of connected devices.



Figure 7.2-D



Figure 7.2-E

7.3 Resetting a Device's Wireless Settings

If you encounter an issue at any point during the wireless network setup process, you may reset the device by following the directions below.

A. BEGIN RESET

Press and hold the button on the device for 8-9 seconds until you hear 3 beeps. Release button. You will hear the words "Resetting wireless settings."

B. CONCLUDE RESET

Light ring will flash green once and then it will pulse red. You will hear the words, "Ready to connect, follow quick start instructions."

- Device has been reset.
- See Section 7.1 to begin set-up of a new wireless alarm network, or Section 7.2 for adding this device to an existing alarm network.

NOTE: *If no further steps are taken within 15 minutes of resetting the unit's wireless settings, a voice prompt "No devices found, not connected" will be heard once, and the wireless function will turn off. The unit will then perform as a stand alone alarm. See Section 7.2 for adding this device to an existing alarm network.*



Figure 7.3-A

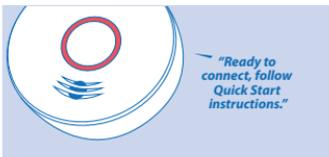


Figure 7.3-B

8. Operation and Testing

Operation

The alarm is operating once it is activated and testing is complete. When products of combustion (smoke) are sensed, the unit sounds a loud alarm with voice messages. See Sections 9 and 10 for alarm signal descriptions.

Testing

Test your alarm weekly by pressing and releasing the test button quickly. A quick beep will confirm the button has been pushed followed by voice prompts that will inform you of the upcoming test sequence. See Section 10: Other Alarm Visual and Audible Indicators table. The alarm and voice (and any interconnected units) will sound if the electronic circuitry, horn, speaker, and battery are working. If the alarm or voice does not sound, or gives erratic or low volume sound, the unit must be replaced.

▲ WARNING: DUE TO THE LOUDNESS OF THE ALARM, ALWAYS STAND ABOUT 2.5 FEET AWAY FROM THE UNIT OR USE EAR PROTECTION WHEN TESTING.

▲ WARNING: DO NOT USE AN OPEN FLAME TO TEST YOUR ALARM, YOU COULD DAMAGE THE ALARM OR IGNITE COMBUSTIBLE MATERIALS AND START A STRUCTURE FIRE.

Ambient Light Sensing

This unit samples the ambient light conditions of the alarm's location and, if possible, determines a Night / Day cycle. A valid Night / Day cycle will delay unit chirps during the night until the next Day cycle begins.

Chirping

When chirping begins during the next Day cycle, you can temporarily silence End of Unit Life or Network Error chirps by pressing the Test/Hush button. Low Battery chirps cannot be silenced.

If a valid Night / Day cycle has not been established because the unit is located in either a constantly dark or lighted location, the chirps mentioned above will not be delayed at night. Moving the unit to a different location might allow the unit to determine a valid Night / Day cycle.

POSSIBLE CHIRPING REASONS

End of Unit Life: will be delayed at night
Network Error: will be delayed at night
Low battery: will be delayed at night

▲ WARNING: REPLACE UNIT AS SOON AS POSSIBLE WHEN IN END OF UNIT LIFE OR LOW BATTERY MODE.

9. Troubleshooting Guide

Trouble Condition	Visual Indications	Audible Indications	Action:
Low Battery	Amber LED flashes every 5 seconds	Chirp every 60 sec, voice every 30 sec: "Replace alarm." Voice stops after 5 mins.	*Remove, discharge, dispose unit, and replace as soon as possible.
Fault Mode		Chirp every 30 sec. Voice every 30 sec: "Error, see trouble shooting guide" After 5 mins: no voice message	*See Cleaning Your Alarm section. * Push Test/Hush button once to attempt to reset the unit. *Red LED will flash out an error code (number of flashes) when Test/Hush button is push/released once. Report the number of flashes to customer service if needed.
End of Unit Life		Double chirp every 30 sec. First 5 mins: Voice every 30 sec: "Replace alarm, press button to silence." Voice stops after 5 mins. After 7 days: Chirps continue. Voice every 30 sec for 5 mins: "Replace alarm."	* Push/release Test/Hush button to temporarily silence (see End of Unit Life Hush Mode section below) * Remove, discharge, dispose unit, and replace as soon as possible.
End of Unit Life Hush Mode (after push/release Test/Hush button during End of Life)		Voice "Temporarily Silenced." End of Unit Life chirps silenced for 24 hrs. (7 days after End of Unit Life chirps begin, the chirps cannot be silenced.)	* Remove, discharge, dispose unit, and replace as soon as possible.
Network Error		Chime every 30 secs. Voice every 30 sec: "Connection Lost. Press Button to Silence." After 5 min: no voice messages (Note: network must have 3 or more alarms for voice messages.)	See next page for Network Error troubleshooting tips.
Network Error Hush (after button push during Network Error)		Voice "Temporarily Silenced."	

If you require further information please contact Product Support at 1800 654 435 or write us at: Kidde Australia Pty Ltd, Quell Warranty Returns, 10 Ferntree Palce, Notting Hill, Vic, 3168

Network Error Troubleshooting Tips

If you have a unit (or units) in network error and you would like to silence them, you can push and release the Test/Hush button once on each unit in network error to silence them for 24 hours at a time. NOTE: when you do this, the red LED will flash out an error code (number of flashes) when the Test/Hush button is push/released once. If the following steps are unsuccessful, it might be helpful to report the number of flashes to customer service.

Fix 1:

NOTE: If there is only one unit that is giving you trouble, rotating the alarm on the mounting plate may re-orient the wireless antenna and fix the problem.

1. Press and hold the button on a known working unit (not the unit in network error) for 4-5 seconds until you hear 2 beeps.
2. Go to the room/location of the unit in network error.
3. Rotate the network error unit 90 degrees in either direction on the mounting plate.
4. Press and hold the button on the network error unit for 4-5 seconds until you hear 2 beeps.
5. Within 10 seconds, the network error unit should re-join the wireless network and should show fading green lights, with a voice "Success, now connected." If this is the case, press and hold the button on the same unit for 4-5 seconds until 2 beeps are heard.

NOTE: If the unit does not re-join the wireless network, press and hold the button on a known working unit (not the unit in network error) for 4-5 seconds. Then proceed to "Fix 2."

Fix 2:

NOTE: In a wireless alarm network, there is a host unit, which controls communication to the other units, which are called "Peers". For best wireless range, the host should be located in a central location of the household.

If "Fix 1" does not work or if there are multiple units in network error, the following steps will place the host of the wireless network at the center of the household.

1. Go to a wireless unit that seems closest to the center of the house.
2. If this unit is not in network error, press and hold the button on that unit for 4-5 seconds until you hear 2 beeps, and a voice "Searching for other devices," as well as a sonar ping sound. If it is in network error go to "Fix 3" below.
3. You will now need to locate the host of the system.
 - a. The host will be fading green on/off every 2 seconds. The Peers of the system will be fading green on/off every 4 seconds.
 - b. The wireless network will stay open for 15 minutes. If the wireless network closes, press and hold the button on any known working wireless unit for 4-5 seconds until 2 beeps are heard, followed by voice "Searching for other devices," as well as a sonar ping sound, to re-open the wireless network.

4. Once you have located the Host of the wireless network, take the host down and swap it with the unit that was deemed to be in the center of the house (found in steps 1 and 2).
5. Go to each unit that is in network error and press/hold the button on that unit for 4-5 seconds until you hear 2 beeps.
 - a. The unit should join back to the wireless network, with voice "Success, now connected." The lights on the unit should flicker once and then be fading green on/off every 4 seconds. If this is the case, press/hold the button on any unit to close the wireless network.
 - b. If the unit doesn't join the network, rotate the unit 90 degrees in either direction.
 - c. If the unit still hasn't joined the network, press and hold the button on a known working unit for 4-5 seconds to close the wireless network and then proceed to "Fix 3."

Fix 3:

If "Fix 2" did not work, use this fix. The following steps will reset the entire wireless alarm network and place the host at the center of the household.

1. Take all wireless units down from their installed locations and set all units on a table.
2. Reset all the units one by one by pressing and holding the button for 8-9 seconds until you hear 3 beeps and a voice "Resetting wireless settings."

NOTE: if resetting the units doesn't result in the voice message "Ready to connect, follow quick start instructions", the unit needs to be replaced with a new one.

3. Create a new wireless alarm network by pressing and holding the button on any unit for 4-5 seconds until you hear 2 beeps, and voice, "Searching for other devices" with a sonar ping. Keep track of this unit, as it will become the host of your wireless alarm network.
4. Wait for the other units to join the new wireless network. Each unit will announce "Success, now connected."
5. After each unit has joined, press/hold the button for 4-5 seconds on the host unit.
6. Take the same unit (host) and install it closest to the center of the household.
 - a. Example 1: For a 2 floor house, install the unit on the main floor near the center of the main floor.
 - b. Example 2: For a 3 floor house, install the unit on the middle floor near the center of the middle floor.
7. Install the rest of the units around the house (you may place units in any location as instructed by this user guide). If the network error persists after these attempted fixes, remove the unit, discharge it, and replace it with a new unit as soon as possible. Contact customer service.

10. Other Alarm Visual and Audible Indicators

Operational Mode	Visual Indications	Audible Indications	Action/Note:
Normal (standby)	Green LED flashe approx every 60 sec.		
Test (button press when no alarm condition is present)	<ul style="list-style-type: none"> • 4 patterns of Red/Amber/Green. • Test: Red LED flashes in time with alarm pattern. Safety light will briefly illuminate on model Q4000LDCS-WCH or Q4000LDCS-WBH. • Green LED fade on/off at test complete 	<ul style="list-style-type: none"> • Button press sound • Voice: "Testing, this is very loud. Press now to cancel test. 5, 4, 3, 2, 1." • 3 long beeps, Voice "Fire!", 3 long beeps, Voice "Test Complete," Power on/reset sound. • Voice "Test Cancelled" if button pushed before test sequence begins. 	<p>Perform Test/Hush button press once a week to verify proper alarm operation</p> <p>Push/release button before the countdown ends to cancel test.</p>
Smoke Alarm Memory (unit has experienced a smoke alarm event within the last hour)	Red and Amber LED alternate on 1 sec, every 10 sec.	After button push: "Smoke previously detected" only on the initiating alarm unit.	Push test button to clear Alarm Memory. NOTE: standard test sequence will follow. (Push/release button again to cancel test).
Smoke Alarm Hush Mode, (SMART HUSH CONTROL)	Red LED flashes every 2 sec.	<p>After button push: "Hush Mode Activated."</p> <p>Smoke alarm pattern stops.</p> <p>(If there is too much smoke to allow Hush: Voice "Too Much Smoke, Alarm cannot be Hushed" Smoke alarm pattern continues.)</p>	This feature is to be used only when a known alarm condition, such as smoke from cooking, activates the alarm.
Locate	None	After button push on non-initiating unit, only initiating unit continues alarm pattern.	Use this to quickly locate the alarm source and determine if alarm is nuisance or real.
Smoke Alarm Hush Mode Cancelled	None	Voice message "Hush Mode Cancelled."	When smoke levels drop below the alarm threshold, the voice message "Hush Mode Cancelled" will occur .
Initiating Alarm, (Multiple alarms in an interconnected system)	Red LED will flash on the unit initiating the alarm, but the red LED on other interconnected units will not flash.	Unit in Smoke Alarm mode.	Push button on initiating alarm to silence that unit and all interconnected units.

11. Recognizing Nuisance Alarms

Smoke Nuisance

HUSH: If you know why the alarm is sounding, and you can verify that it is not a life threatening situation, you can push the button on the initiating unit (green LED flashing every second) to silence the alarm for 8-10 minutes. If the smoke is not too dense, that unit, and all interconnected units will silence. After the Hush period, the smoke alarm will automatically reset and sound the alarm if particles of combustion are still present. You can use Hush repeatedly until the air has been cleared of the condition causing the alarm.

NOTE: Dense smoke will override Hush and sound a continuous alarm. If no fire is present, check to see if one of the reasons listed in “Locations to avoid” may have caused the alarm. If a fire is discovered, get out and call the fire department.

This alarm is designed to minimize nuisance alarms. Cigarette smoke will not normally cause the unit to alarm, unless the smoke is blown directly into the alarm. Combustion particles from cooking may set off the alarm if it is located too close to a cooking appliance. Large quantities of combustible particles are generated from spills or when broiling. Using the fan on a range hood which vents to the outside (non-recirculating type) will also help prevent nuisance alarms from occurring by removing these combustible products from the kitchen.

Locate

In an interconnected system (all units will be alarming together), a unit that detects smoke and initiates an alarm is called the “initiating alarm unit.” Initiating alarm units will be flashing the Green LED every second during alarm. Depending on unit locations, and the location of the source of smoke, it is possible to have more than one initiating unit. If you suspect a nuisance alarm situation, you can use this feature to help you locate the initiating alarm unit(s) in a wireless alarm interconnect system.

Push the button on any non-initiating wireless unit, and ALL wireless units EXCEPT the initiating alarm unit(s) will silence for two minutes. You can use the LOCATE feature repeatedly until you find the initiating alarm unit(s), or the air has been cleared of the condition causing the alarm.

NOTE: Hush and Locate features are dependent on the type of models in your interconnected system. Non-wireless models cannot receive the wireless Locate feature and will continue to alarm until the initiating unit is Hushed or the Smoke/ CO condition clears.

⚠ WARNING: THIS UNIT DOES NOT DETECT CARBON MONOXIDE (CO), BUT IT WILL TRANSMIT A CO ALARM SIGNAL FROM AN INTERCONNECTED CO OR SMOKE/CO COMBINATION ALARM. THE LOCATE FEATURE CAN BE USED FOR CO ALARM EVENTS ALSO (PUSHING THE TEST/ HUSH BUTTON ON A COMPATIBLE INTERCONNECTED ALARM), BUT IT IS IMPOSSIBLE TO DETERMINE THE SOURCE OF A CO ALARM USING SIGHT OR SMELL. ALWAYS CONSIDER A CO ALARM EVENT AS DANGEROUS.

12. Battery

NOTE: This alarm is powered by a non-replaceable, sealed lithium battery system. No battery installation or replacement is necessary for the life of the alarm.

IMPORTANT: Constant exposure to high or low humidity or temperatures may reduce battery life.

⚠ WARNING: NO SERVICEABLE PARTS INCLUDED. DO NOT ATTEMPT TO OPEN THE ALARM FOR ANY REASON! DO NOT TRY TO REPAIR THE ALARM BY YOURSELF.

Low Battery

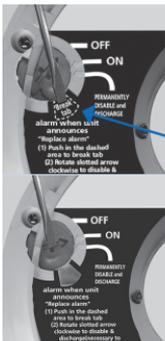
This alarm is equipped with a low battery monitor circuit. If the battery capacity can no longer provide adequate power for all alarm functions, the low battery condition will occur. See Section 9 : Troubleshooting Guide. The unit must be replaced within 7 days of the first occurrence of the “Low Battery Warning” to provide continuous alarm protection.

13. Permanently Disable Alarm / Discharge Battery

⚠ WARNING: FAILURE TO DISCHARGE ALARM BATTERY AS INSTRUCTED PRIOR TO DISPOSAL MAY CREATE POTENTIAL FOR LITHIUM BATTERY RELATED HAZARD.

⚠ WARNING: DISCHARGING THE ALARM BATTERY IS PERMANENT

- Once the alarm battery has been discharged, it cannot be reactivated!
- Once discharged, the alarm will NO LONGER DETECT SMOKE.
- Once the alarm battery is discharged, the battery is depleted and the alarm will no longer function.
- Once the alarm battery has been discharged, the alarm cannot be mounted onto the mounting plate or reactivated.



To Permanently Disable Alarm / Discharge Battery:

- Rotate the alarm counterclockwise to remove it from the mounting plate.
- Push in the dashed area with a screwdriver to break tab (Figure 12-A).
- After the tab is broken, use the screwdriver to turn the red slotted arrow to the "Permanently Disable Alarm / Discharge Battery" location. This will disable the alarm, stop the low battery or end of unit life "chirps" and render the alarm safe for disposal by draining the battery (Figure 12-B).

Figures 12-A (top) and 12-B (bottom)

14. Cleaning Your Alarm

Your Alarm Should be Cleaned at Least Once a Year

You can clean the interior of your alarm (sensing chamber) by using compressed air or a vacuum cleaner hose and blowing or vacuuming through the openings around the perimeter of the alarm. The outside of the alarm can be wiped with a damp cloth. Use only water to dampen the cloth, use of detergents or cleaners could damage the alarm.

If the alarm is in Fault mode and the Red LED is flashing a fault code of 10 or 14 flashes (after a Test/Hush button push), the alarm may be in need of cleaning. After cleaning, press the Test/Hush button. If the fault does not clear, the alarm needs to be replaced.

- Never use detergent or other solvents to clean the unit.
- Avoid spraying air freshener, hair spray, or other aerosols near the alarm.
- Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect smoke.
- Never attempt to disassemble the unit or clean inside. This action will void your warranty.

 **WARNING: REINSTALL THE ALARM AS SOON AS POSSIBLE TO ENSURE CONTINUOUS PROTECTION.**

15. Good Safety Habits

DEVELOP AND PRACTICE A PLAN OF ESCAPE:

Install and maintain fire extinguishers on every level of the home and in the kitchen, basement and garage. Know how to use a fire extinguisher prior to an emergency.

- Make a floor plan indicating all doors and windows and at least two (2) 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 you all can meet if a fire occurs.
- Familiarise everyone with the sound of the alarm and train them to leave your home when they hear it.
- Practice a fire drill at least every six months, including fire drills at night. Ensure that small children hear the alarm and wake when it sounds. They must wake up in order to execute the escape plan. Practice allows all occupants to test your plan before an emergency. You may not be able to reach your children. It is important they know what to do.
- Current studies have shown 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 alarm sound, or to those who may be incapable of safely evacuating the area unassisted.

16. What To Do When The Alarm Sounds

- Leave immediately by your escape plan. Every second counts, so don't waste time getting dressed or picking up valuables.
- While 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 the inside of the 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 the 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 neighbour's home - not from yours!
- Don't return to your home until the fire officials say that it is all right to do so.
- There are situations where a smoke alarm may not be effective to protect against fire.
- For instance:
 - a) smoking in bed
 - b) leaving children home alone
 - c) cleaning with flammable liquids, such as petrol

17. Warranty & Contact Details

TEN YEAR LIMITED WARRANTY

Quell warrants to the original consumer purchaser that each new smoke alarm will be free from defects in materials and workmanship under normal use for a period of 10 years from the date of purchase. To the extent permitted by law, Quell agrees to repair or replace (at our discretion) any defective product on presentation of the proof of purchase.

Australia warranty claims:

Where the goods are offered for sale in Australia, the benefits to the consumer given by this warranty are in addition to other rights and remedies of the consumer under the Australian Consumer Law and other applicable laws relating to the goods. Our goods come with guarantees that cannot be excluded under the Australian Consumer Law. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

New Zealand warranty claims:

Where the goods are offered for sale in New Zealand, the benefits to the consumer given by this warranty are in addition to other rights and remedies of the consumer under relevant New Zealand consumer protection laws and other applicable laws relating to the goods. Our goods come with guarantees that cannot be excluded under relevant New Zealand consumer protection laws. You are entitled to a replacement or refund for a major failure and compensation for any other reasonably foreseeable loss or damage. You are also entitled to have the goods repaired or replaced if the goods fail to be of acceptable quality and the failure does not amount to a major failure.

Exclusions

Subject to non-excludable laws, this warranty does not cover:

- normal wear and tear to the product or parts
- batteries or other consumables included with this product (excluding sealed non replaceable battery models)
- damage to the product caused by accidents, misuse, abuse, lack of reasonable care, tampering or repair by a person not authorised by Quell
- any product that has not been installed, operated or maintained in accordance with the manual or operating instructions provided with the product
- any damage caused by improper power input or improper cable connection
- any indirect or special loss or damage of any kind

To make a claim

If a defect in the product appears within the time frame stated, you are entitled to submit a warranty claim by returning your product to the address shown below. Please contact Quell on the telephone numbers provided below, Monday to Friday during 9.00AM - 5.00PM. When returning the product, please ensure it is properly packaged so that no damage occurs during transit. Any postage and packaging expenses required to return the product to Quell will be at your cost.

Please provide the original or a copy of the proof of purchase. Also, please make sure you have included an explanation of the problem.

If Quell elects to repair the product, please note that goods presented for repair may be replaced by refurbished goods of the same type rather than being repaired. Refurbished parts may be used to repair the goods.

18. Service

During the specified warranty period Kidde Australia Ltd will repair or replace, at its discretion any defective Quell® alarms that are returned in a postage paid package to the following address: Kidde Australia Pty Ltd, Quell Warranty Returns, 10 Ferntree Palce, Notting Hill, Vic, 3168

Please include your name, address and phone number along with a brief description of what is wrong with the unit. For further assistance please call our toll free Customer Service at 1800-654-435. Damage from neglect, abuse or failure to adhere to any of the enclosed instructions will result in termination of the warranty, and the unit will not be replaced or repaired.

This User Guide and the products described herein are copyrighted, with all rights reserved. Under these copyright laws, no part of this User Manual may be copied for use without the written consent of Kidde Australia. If you require further information please contact Customer Service at 1800-654-435 or write to us at: Kidde Australia Pty Ltd, 10 Ferntree Place, Notting Hill, Vic, 3168

Quell® is a registered trademark of Kidde Australia Pty Ltd.

This warranty is provided by:
Kidde Australia Pty Ltd
ABN 68 006 252 428
10 Ferntree Place, Notting Hill, Vic, 3168 Australia
Telephone: 1800 654 435



Website: www.quell.com.au

