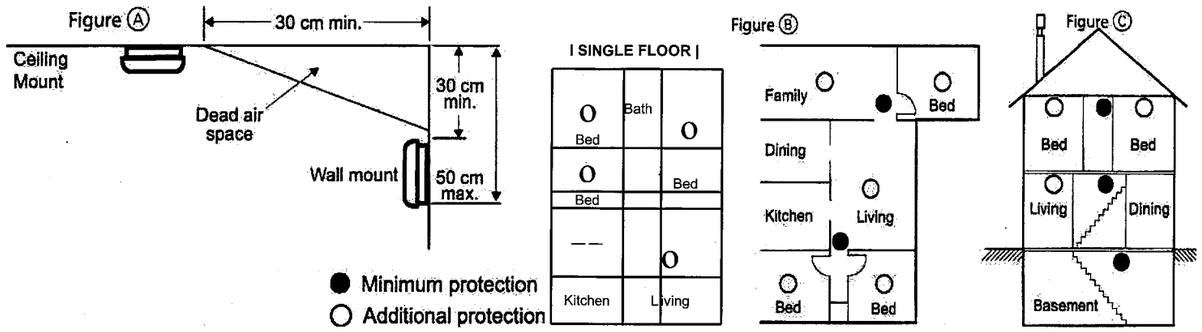
Recommended Location of Alarms

- This smoke alarm can be used in all residential homes and certified to comply with local National standards.
- This smoke alarm can be used for replacing with existing AC mains smoke alarm in all residential homes.
- Install in existing homes in all living areas, hallways and bedrooms, to cover your home area thoroughly and interconnect for complete protection.
- Install to new homes to provide protection for all living members within the entire home to meet new interconnection and bedroom regulations according to National regulations.
- For choosing a location to install a smoke alarm, Figure A shows the recommended location of a minimum of 30 cm from a side wall and 30 cm from any corner, to avoid dead air space to detect.
- Install smoke alarms as close as possible to bedrooms and shall along exit paths from bedrooms. Locate alarms in each bedroom for additional protection, or as minimum as required by local legislation requirements, shown in Figures B and C. The minimum protection recommended is also shown for suggestion.
- Locate smoke alarms in stairways in multi-story dwellings, as shown in Figure C, minimum with one alarm on every floor level.
- Locate a smoke alarm in any area where a smoker sleeps or where electrical appliances are used in bedrooms, special late at night.
- Smoke, heat and other combustion materials rise to the ceiling and then spread horizontally after reach the wall top. Mounting the smoke alarm on the ceiling in the center of the room protect the entire room.
- When mounting the smoke alarm on a wall, use an inside wall with minimum 30cm and maximum 50cm recommended distance from the ceiling or corner. As shown in Figure A.



Avoid These Locations Installation

- Within 1.5 metre of heating and cooling supply vents or within 1.5 metre of return air or fresh air vents. Smoke in the air may be blown away from the smoke alarm by the supply vents, or could be diffused, interfered or reduced by being diverted into the return air vent.
- In areas where the temperature may fall below 0 °C or rise above 45 °C. Smoke alarms are designed to operate correctly only within these temperature ranges and failure to alarm, improper alarms or nuisance alarms may result if out of these temperature limits.
- In damp or high humid areas such as bathrooms or laundries, where the normal humidity may rise above 95% as of condensation. Above this level, moisture may come into and condense inside the smoke alarm and cause false alarms. On the contrary, the smoke alarm may also become unstable below 5% relative humidity as well.
- In areas where particles of combustion are normally present, such as garages or kitchens, this can cause false alarms in some case.
- In dusty or dirty areas, as an accumulation of dust and dirt in the sensing chamber net may stem the openings and prevent an alarm, or may cause false alarms. If a smoke alarm is required in such an area, clear it by vacuum frequently and test it after each clear done.
- Where bugs or insects are present. Attempt to eliminate or minimize the bugs or insects by vacuuming the smoke alarm frequently, though the design has well-shielded as standards requirements.
- Within 0.5 metre of electrical noise sources, e.g. fluorescent lights and fan motors, which may cause false alarm.

Installation

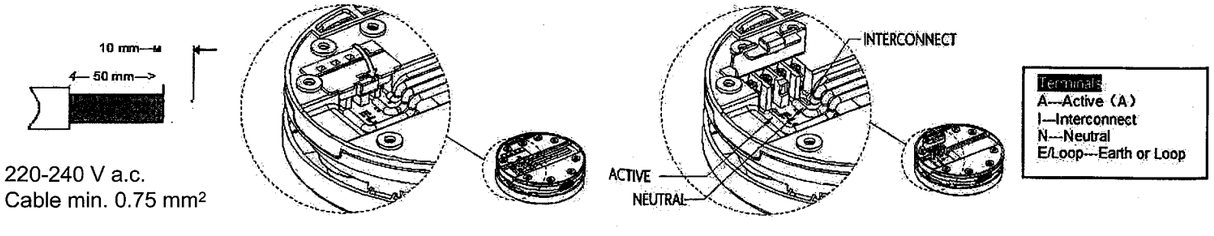
Use a 0.75-2.5mm² 250V insulated wire for all wiring, including interconnecting wiring.

1. Strip off the Active, Neutral and Interconnect (if used) wires to the strip length shown below.
2. Connect the wires to the correct 3 terminals on the base and ensure the terminal screws are fully tightened. Connect the E/Loop wires if necessary.
3. Clip the terminal flap cover closed to avoid contact with the live terminals to avoid electric shock in case of carelessness. See Figure below with the arrow pointing.
4. Screw the mounting base onto the ceiling or wall using appropriate fasteners.
5. Clip the smoke alarm on to the base and install the 3V DC battery (see 'Replacing the Backup Battery' page). The smoke alarm base will only be closed with a battery installed.

NOTE: DO NOT ATTEMPT TO CLOSE THE BASE UNLESS A BATTERY IS INSTALLED.

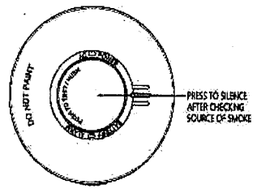
6. Power on the mains and check that the green and red LEDs function. The Green LED should light out to show mains power present. The Red LED will pulse every 40-60 seconds to indicate correct operation and that the 3V DC battery is okay.
7. Press the Test/Hush button to check if the alarm works.

CAUTION: Due to the loudness (85 decibels) of the alarm, always stand an arms-length away from the unit when testing.
Installation is not complete until both LEDs are functioning correctly, and the alarm has been checked for correct operation.



Hush or Silence feature

- This smoke alarm has a built-in Hush or Silence feature incorporated into the Test/Hush button.
- If cooking or other non-hazardous sources cause the smoke alarm to sound, after verifying that it is not a fire, the smoke alarm can be silenced by pushing the test button for 3 seconds. The alarm then enters a dormant period for 8~15 minutes.
- After the 8~15 minutes dormant period, the smoke alarm will resume normal operation.
- Hush or Silence Feature can only be available after the smoke alarm is triggered.

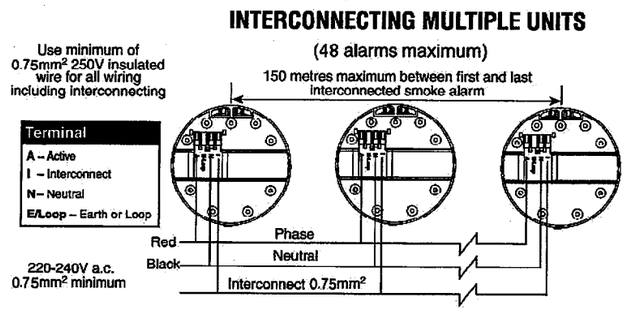


CAUTION: Before using the alarm silence (silence), identify the source of the smoke and be certain a safe condition exists.
DANGER: If the alarm sounds, and it is not being tested, it means the unit is sensing smoke.
THE SOUND OF THE ALARM REQUIRES YOUR IMMEDIATE ATTENTION AND ACTION.

Interconnecting Smoke Alarms for I/O wiring interconnection

- Interconnecting smoke alarms by wires through I/O ports is a method to join a series of smoke alarms together, so if one smoke alarm within the series senses smoke, all the interconnected smoke alarms will be activated(alarming).
- A more than 5V signal is applied to the I-Connect terminal (referenced to neutral) to alarm all the other interconnected smoke alarms.

CAUTION: Make sure the wiring of interconnected is correct. Check to ensure every interconnected unit alarms correctly ("I-connect" terminal and "N" terminal will be used for I/O wiring interconnection).



Operation and Testing

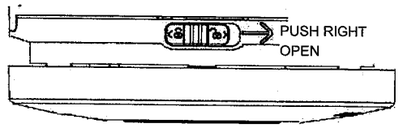
OPERATION	TESTING
Once the mains power (220-240V AC) is connected and the 3V battery is installed correctly, the smoke alarm is operating. **Alarm Condition** The smoke alarm will sound a loud alarm (85 dB) and the red LED will flash rapidly. This will continue until the air is cleared. **Standby Condition** The red LED will flash once every 40-60 seconds to indicate the smoke alarm and battery are functioning properly. **Green LED** The green LED is illuminated when the mains power (220-240V AC) is on. **Silence Condition** The red LED will flash every 8-12 seconds about as long as the alarm is in Hush mode. **Low battery trouble indication** An intermittent "Beep" accompanied by a red LED flash every 60 seconds about to indicates a low battery	**TEST THE SMOKE ALARM ONCE PER MONTH TO ENSURE PROPER OPERATION** Test by pushing the Test/Hush button on the smoke alarm for three seconds until the alarm sounds. The alarm will sound if all electronic circuitry, horn and battery are working. If no alarm sounds, check the battery is installed correctly or replace the battery. If the battery is new and installed correctly and the alarm still doesn't sound, replace the smoke alarm. If the smoke alarm is installed through a mobile home wireless system, test weekly and/after every journey. **IMPORTANT:** If premises are unoccupied for a period of time (more than a few days) then a battery test should be undertaken upon return. If the low battery warning sounds, test and replace the battery if necessary. **DO NOT** use an open flame to test your alarm, you could damage the alarm or ignite combustible materials and start a structure fire. **CAUTION:** Due to the loudness (85 decibels) of the alarm, Always stand an arms-length away from the unit when testing. Test the alarm monthly to ensure proper operation. Erratic or low sound coming from your alarm may indicate a defective alarm. >Never use an open flame of any type to test your alarm. >Check that all interconnected smoke alarms operate during the test.

Important information: Hush / Silence function is only activated under alarming conditions. In normal condition, the button is only for testing. Refer to *Hush or Silence Feature' page.

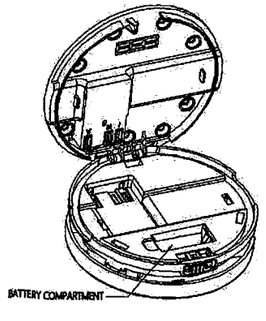
Replacing the Backup Battery

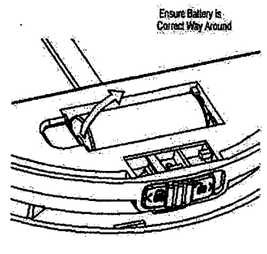
The smoke alarm is supplied by a 3V Lithium backup battery. The battery should last at least 10 years. But if there is no AC mains power supply and the alarm is triggered frequently, the battery life may not reach 10 years. An audible beep every 1 minute indicates the battery needs to be replaced.

RECOMMENDED BATTERIES:
3V DC lithium Batteries: CR2/3A, CR1223A; ENERGIZER 123;



The Smoke Alarm has a low Battery Audible Beep. If the Smoke Detector sounds a 'beep' once a minute replace the Battery with a new one.





Operations and Troubleshooting

CONDITION		MEANING	RESOLUTION / ACTION
ALERTS & SILENCING	Alarm sounds and the red LED is flashing rapidly.	Smoke has sensed and alarm is activated by the smoke alarm.	Evacuate the building immediately and call the Fire and Emergency Services.
	Alarm sounds but the red LED if OFF.	Smoke has activated by an interconnected alarm in the loop, located somewhere else in the building.	Evacuate the building immediately and call the Fire and Emergency Services.
	Smoke alarm is sounding, it stops when Test/Hush button is pressed.	Hush or silence feature has been activated for providing the smoke density does not increase.	Ensure you are safe and have aware the source of the smoke.
	Smoke alarm is sounding, it does not stop when Test/Hush is pressed.	Smoke density is too high for the Hush or Silence feature to activate.	Evacuate the building immediately and call the Fire and Emergency service.
	When Test/Hush button is pressed for 3 seconds alarm sounds briefly.	The smoke alarm horn is indicating that all electronic circuitry, horn and battery are working.	Normal test condition. Test regularly to ensure proper operation.
	Test/Hush button is pressed for 3 seconds alarm does not sounds.	The smoke alarm may not be operating correctly.	Check the battery is installed correctly. If problem persists contact an electrician for replacement.
BEEP	One audible beep every about 60 seconds.	Low battery warning.	Replace the 3V DC battery with a new one.
	Three audible beeps every 60 seconds about.	The smoke alarm may not be operating.	Clean smoke alarm. If problem persists contact an electrician for replacement.
LED	Green LED ON.	240V AC mains power ON.	Normal operating condition.
	Green LED OFF. Mains power may be disconnected.	240V AC mains power OFF.	Check if mains power is ON. Main circuit breaker may have tripped. Wiring could be wrong.
	Red LED flashes every 60 seconds about.	The smoke alarm is functioning correctly.	Normal operating condition.
	Red LED flashes every 9 to 15 seconds.	Work in Hush/Silence mode	After 8-15 minutes, out from Hush/Silence mode.
	Red LED not flashing.	Battery may be reversed or no present or run completely flat.	Check and re-install or replace the battery.
	Smoke alarm will not close on the base.	3V DC battery is not present.	Insert a new 3V DC battery to close on the body.

False Alarm

In the event of a false alarm (alarms are sounding without any smoke present):

- Identify which smoke alarm/s are being triggered - Look and find out the alarm/s with sound and red LED flashing.
- Unclip the identified smoke alarms by unlocking the latch and powered off by taking out the replaceable battery, then all interconnected alarms will stop alarming in 1 minute.
- Clean smoke alarms in accordance with the Maintenance, Repairs and Service section in this instruction.

If all of the above fails, contact a licensed electrician for replacement.

Maintenance, Repairs and Service

MAINTENANCE: In addition to weekly testing, the alarm requires periodic cleaning to remove dust, dirt, and debris. Clean the alarm at least once a year to remove dust, dirt, or debris. Use a vacuum cleaner with a soft brush, vacuum all sides and covers of smoke alarm.

WARNING: The battery is replaceable. Please replace with new same type battery if the low battery chirp occurs.

IMPORTANT: Do not attempt to remove the cover to clean inside. This will void the warranty.

ALWAYS TEST THE SMOKE ALARM AFTER CLEANING.

REPAIRS/SERVICE: If the smoke alarm is defective in any way, do not tamper with the smoke alarm. The smoke alarm does not contain any user-serviceable parts. Do not attempt to repair the smoke alarm. This will void your warranty. If the alarm is not operating properly, please contact a licensed electrician replace it immediately with a comparable smoke alarm. Or if the smoke alarm fails to operate correctly, you can contact the warranty hotline on 1800 602 243 or email warranty@beaconlighting.com.au

WARNING: Smoke alarms intended for connection to mains supply may have hazards associated with mains voltages, the smoke alarm, together with any associated supply and interconnect wiring, should be installed in accordance with appropriate national electrical installation regulations.

DISPOSAL: As the smoke alarm does not contain any radioactive material, disposal with normal rubbish is permitted.

Warranty

- This product is covered by a 10-year in home warranty. The warranty is from the date of purchase, not the date of installation.
- If this product is not installed by a licensed electrician, the warranty will be void.
- Please retain proof of purchase and evidence of installation by a licensed electrician for any warranty enquiries.
- Warranty will be void if there is any damage due to improper usage or modification to the smoke alarm.
- Failure to comply with the instructions in this manual may increase the risk of damage or injury and will void the warranty.
- If the smoke alarm fails to operate correctly, you can contact the warranty hotline on 1800 602 243 or email warranty@beaconlighting.com.au

SKU# 299270 - USER MANUAL SMOKE ALARM

Lucci Power

240V AC Mains Power Photoelectric Smoke Alarm with Lithium Battery Backup--10 Years Battery life

THIS SMOKE ALARM MUST BE INSTALLED BY A LICENSED ELECTRICIAN.

Read All Instructions Before Installation and Operation

Regular testing of this smoke alarm is necessary to ensure the unit is functional and that the battery is in good condition. It is recommended that the smoke alarm should be replaced after 10 years of normal service. There are no other user-serviceable parts inside. Do not repair it by yourself in case of electrical failure. The only user-serviceable part is the replaceable backup battery. (Refer to 'Replacing the Backup Battery'). The battery included with the product can operate for approximately 10 years under normal working conditions. However, if there is no AC mains power supply and the alarm is triggered frequently, the battery life may not reach 10 years.

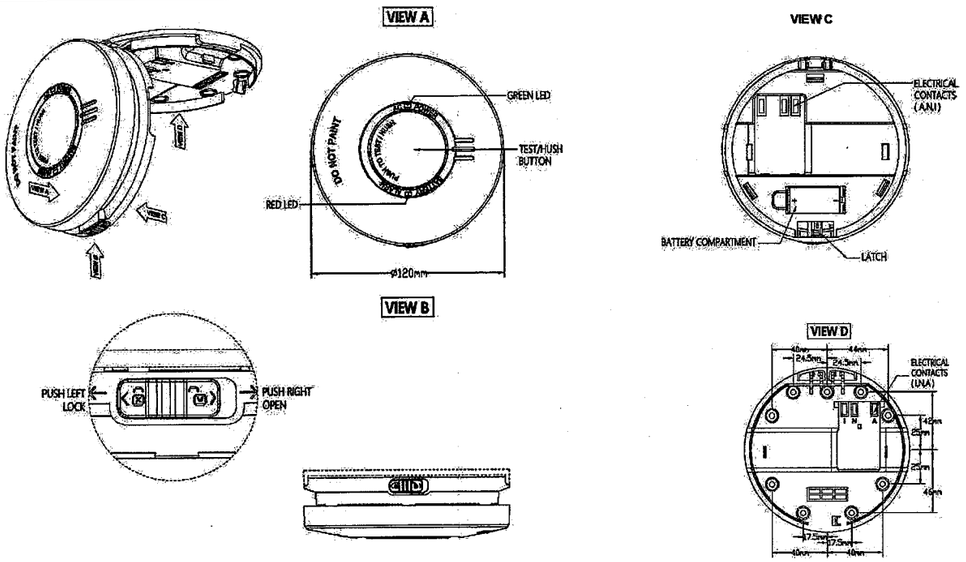
⚠⚠ DANGER	⚠ CAUTION
RISK OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH	EQUIPMENT INSTALLATION HAZARD
• This product must only be installed and serviced by appropriately qualified and/or licensed electrical personnel. • This product must only be used for the purpose described in these instructions and must be installed in accordance with the wiring rules and regulations in that location. • Hazard voltage may be present at the wire leads of this product. • Isolate the electrical supply before doing any work on this product. • Ensure that the product has been correctly installed and tested for safe operation before reconnecting the electrical supply.	• Make sure active and neutral from mains power are wired to the correct terminals. • Make sure green LED is ON when mains power is supplied. • Make sure red LED is not flashing quickly. • Test each interconnected unit 1 by 1. Press and hold the Test button until second burst of 3 beeps has finished. Check to ensure every interconnected unit alarms correctly. If any unit fails to alarm, check all wiring and connections.
Failure to follow these instructions will result in death or serious injury.	Failure to follow these instructions may result in death or serious injury.

Specifications

Main Power Source	220-240V AC, 50 Hz
Secondary Power Source	3V DC Lithium battery (CR123, CR2/3)
AC Operating Current	<6 mA
Rated Battery Life	10 years
Sensing Type	Photoelectric. This alarm contains NO radioactive material
Operating Temperature	0 °C to 45 °C
Ambient Humidity	5% to 95%

Terminal Provisions	Active, Neutral, Loop and Interconnect terminals, each accommodates 2 x 1.5 mm2 or 2 x 1.0 mm2
Horn Level	85 dB at three metres minimum
Visual Indicators	Green LED for mains power ON, Red LED for warning and low battery
Alarm condition	Aural signal pattern (ISO 8201)
Complies with	AS 3786:2014 +A1 +A2 EN 14604:2005/AC:2008
Interconnecting	48 alarms over 150 metres maximum

View of the smoke alarm



NOTE: The Battery Interlock (see VIEW C) prevents the smoke alarm from being closed unless a 3V DC battery is correctly inserted in the battery Compartment.