



LIFESAVER

For model: LIF10YI

Smoke Alarm Installer's Guide



**Lithium (non-replaceable sealed in) Battery-Operated
Smoke Alarm with HUSH™ Control to temporarily silence
nuisance alarms.**

This alarm detects products of combustion using the ionisation technique. It contains 0.9 microcurie of Americium 241, a radioactive material (see Section 9).

Ionisation sensing alarms may detect invisible fire particles (associated with fast flaming fires) sooner than photoelectric alarms. Photoelectric sensing alarms may detect visible fire particles (associated with slow smoldering fires) sooner than ionisation alarms. Home fires develop in different ways and are often unpredictable. For maximum protection, PSA recommends that both Ionisation and Photoelectric alarms be installed.

Installation instructions and product information can be found within this manual.

! Read these instructions **thoroughly** before proceeding.

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ENVIRONMENTAL PROTECTION

Waste electrical products should not be disposed of with household waste. Please recycle where facilities exist. Check with Local Authority or Installer for recycling advice.

1. RECOMMENDED LOCATIONS FOR ALARMS

- Locate the first alarm in the immediate area of the sleeping rooms. Try to monitor the exit path as the sleeping rooms are usually farthest from the exit. If more than one sleeping area exists, locate additional alarms in each sleeping area.
- Locate additional alarms to monitor any stairway as stairways act like chimneys for smoke and heat.
- Locate at least one alarm on every floor level.
- Locate an alarm in every sleeping room.
- Locate an alarm in every room where electrical appliances are operated (i.e. portable heaters or humidifiers).
- Locate an alarm in every room where someone sleeps with the door closed. The closed door may prevent an alarm not located in that room from waking the sleeper.
- Smoke, heat, and combustion products rise to the ceiling and spread horizontally. Mounting the smoke 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.
- When mounting an alarm on the ceiling, locate it at a minimum of 30 cm from the side wall. (see Figure 1).
- When mounting the alarm on the wall, use an inside wall with the top edge of the alarm at a minimum of 30 cm and a maximum of 50 cm below the ceiling. (see Figure 1).
- In homes that are not well insulated, extreme heat or cold can be transferred from the outside to the inside through poorly insulated walls and roof. This may create a thermal barrier which can prevent the smoke from reaching an alarm mounted on the ceiling. If you are not sure about the insulation in your home, or if you notice that the outer walls and ceiling are either hot or cold, install the alarm on an inside wall. In such homes, install the smoke alarm with the top edge of the alarm at a minimum of 30 cm and a maximum of 50 cm below the ceiling (see figure 1).
- Put smoke alarms at both ends of a bedroom hallway or large room if the hallway or room is more than 9.1 m (30 feet) long.
- Install Smoke Alarms on sloped, peaked or cathedral ceilings at or within 0.9 m (3 ft) of the highest point (measured horizontally). Smoke alarms in rooms with ceiling slopes greater than .3 m in 2.4 m (1 foot in 8 feet) horizontally shall be located on the high side of the room. A row of detectors shall be spaced and located within 0.9 m (3 ft) of the peak of the ceiling measured horizontally (see Figure 3).
- Install Smoke Alarms on tray-shaped ceilings (coffered ceilings) on the highest portion of the ceiling or on the sloped portion of the ceiling within 12" (305mm) vertically down from the highest point (see figure 4).

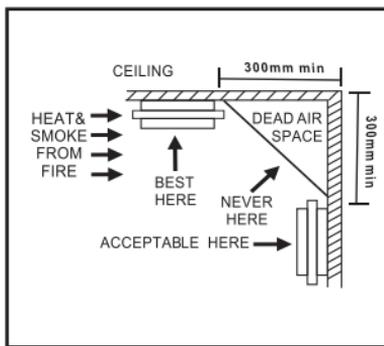


FIGURE 1

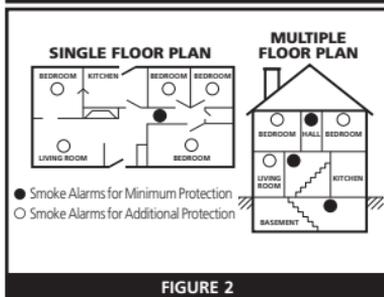
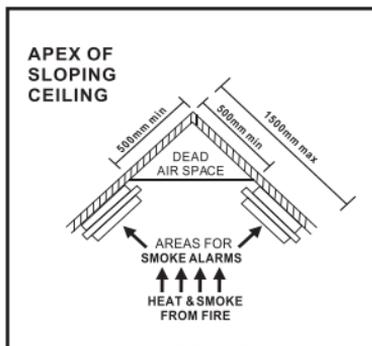


FIGURE 2



SINGLE FLOOR

FIGURE 3

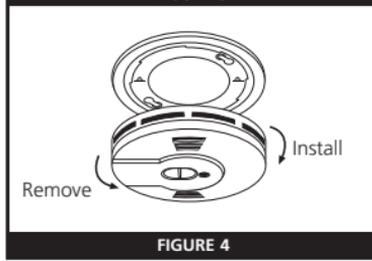


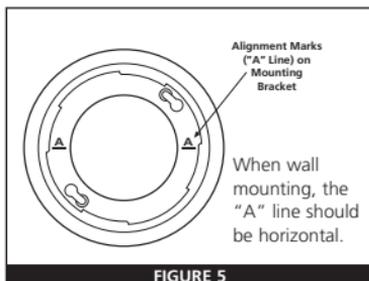
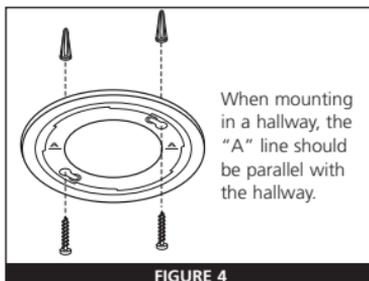
FIGURE 4

2. LOCATIONS TO AVOID

- In the garage. Products of combustion are present when you start your motor vehicle.
- Less than 30 cm (4") from a side wall.
- More than 0.9 m (3') from the peak of an "A" frame type ceiling (measured horizontally).
- Less than 50 cm from the peak of an "A" frame type or sloped ceiling (measured vertically).
- In an area where the temperature may fall below 5°C or rise above 45°C, such as garages and unfinished attics; this should include electrical boxes exposed to these environments.
- In dusty areas. Dust particles may cause nuisance alarm or failure to alarm.
- In very humid areas. Moisture or steam can cause nuisance alarms.
- In areas where the Relative Humidity (RH) is above 85%.
- In insect-infested areas.
- Smoke alarms should not be installed within 3 ft (.9m) of the following: the door to a kitchen, 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, or other high air flow areas.
- Kitchens. Normal cooking may cause nuisance alarms.
- Near fluorescent lights. Electronic "noise" may cause nuisance alarms.
- 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.

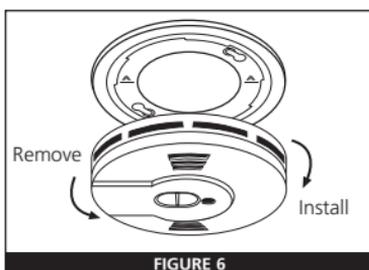
3. INSTALLATION INSTRUCTIONS

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



1. To ensure 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.

2. After selecting the proper smoke alarm location as described in Section 1, attach the mounting bracket to the ceiling as shown in Figure 4. For wall mounting see Figure 5. Place the mounting plate on the wall; be sure the "A" line is horizontal (parallel to the floor). Use the screws and wall plugs provided to secure the mounting bracket (use 3/16" drill bit for wall plugs).



3. This alarm has battery permanently sealed inside the alarm no battery installation is necessary.

TAMPER RESIST FEATURE

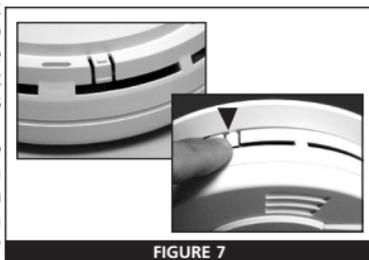
Smoke Alarm Tamper Resist Feature

This alarm is equipped with a tamper resist feature that helps prevent someone from removing the unit from the mounting bracket. When activated, it can be very effective in preventing smoke alarm removal or tampering.

NOTE: The tamper resist feature is automatically engaged whenever the alarm is mounted to the mounting bracket.

Rotate the alarm onto the mounting bracket until you hear the tamper resist tab snap into place, locking the alarm on the mounting bracket. Using the tamper resist feature will help deter children and others from removing the alarm from the bracket.

NOTE: To remove the alarm when the tamper resist tab is engaged, press down on the tamper resist tab using a tool such as a small screwdriver, and rotate the alarm in the direction indicated by the arrows on the cover of the alarm (see Figure 7).



ACTIVATING THE ALARM

This model is equipped with a feature that automatically activates the alarm when the alarm is mounted to the mounting bracket for the first time. Once activated, the battery will supply power to the alarm for the life of the alarm (10 years). Be sure that the mounting bracket is mounted correctly before installing the alarm on the mounting bracket.

1. To activate the alarm, install the alarm on the mounting bracket (Figure 6) and rotate the alarm clockwise (as indicated on the alarm cover) until the alarm ratchets into place (the ratcheting function allows for aesthetic alignment). NOTE: The alarm will mount to the bracket in four (4) positions (every 90 degrees).

This smoke alarm is equipped with a flashing red indicator light. The red LED will flash every 40-45 seconds in the standby mode signifying that the alarm is receiving power.

The alarm is now activated!

2. After installation/activation, test your alarm by depressing and holding down the test button for a minimum of 5 seconds (or until the alarm sounds). This should sound the alarm. **CAUTION: Due to the loudness (85 decibels) of the alarm, always stand an arms length away from the unit when testing.**

4. OPERATION AND TESTING

The smoke alarm is operating once the alarm is activated (see Installation Instructions) and testing is complete. When products of combustion are sensed, the unit sounds a loud 85db pulsating alarm until the air is cleared. If there is any question as to the cause of the alarm, it should be assumed that the alarm is due to an actual fire and the dwelling should be evacuated immediately.

HUSH™ CONTROL: The HUSH™ feature has the capability of temporarily desensitising the alarm circuit for approximately 8 minutes. This feature is to be used only when a known alarm condition, such as smoke from cooking, activates the alarm. The smoke alarm is desensitised by pushing the HUSH® button on the smoke alarm cover. If the smoke is not too dense, the alarm will silence immediately and the red LED will flash slowly (1.5 seconds on - 8 seconds off) for 8 minutes. This indicates that the alarm is in a temporarily desensitised condition. The smoke alarm will automatically reset after approximately 8 minutes. If after this period particles of combustion are still present, the alarm will sound again. The HUSH™ feature can be used repeatedly until the air has been cleared of the condition causing the alarm. Pushing the test/reset button on the alarm will end the temporarily desensitised period.

NOTE: DENSE SMOKE WILL OVERRIDE THE HUSH™ CONTROL FEATURE AND SOUND A CONTINUOUS ALARM..

CAUTION: BEFORE USING THE ALARM HUSH™ FEATURE, IDENTIFY THE SOURCE OF THE SMOKE AND BE CERTAIN A SAFE CONDITION EXISTS.

LED Indicator

This alarm is equipped with a red LED indicator, with four modes of operation.

Red LED - Flashing every 40-45 seconds: Indicates that the smoke alarm is receiving power and operating properly.

Red LED - Flashing (1.5 second on - 1.5 second off): When the smoke alarm senses particles of combustion and goes into alarm (constant pulsating sound), the red LED will flash (approximately one flash per second). The flashing LED and pulsating alarm will continue until the air is cleared.

Red LED - Flashing slowly (1.5 seconds on - 8 seconds off): Indicates that the unit is in the Hush mode.

Red LED - Flashing rapidly when the test button is pressed: This unit features an "alarm memory" to inform you if the alarm has sounded since the test button was last pressed. The alarm memory will cause the red LED to flash rapidly when the test button is pressed. The alarm memory is reset when the test button is released.

TESTING: Test by pushing the test button on the cover and holding it down for a minimum of 5 seconds (or until the alarm sounds). This will sound the alarm if the electronic circuitry, horn, and batteries are working. If no alarm sounds, the unit has defective batteries or other failure. DO NOT use an open flame to test your alarm, you could damage the alarm or ignite combustible materials and start a structure fire. PSA Lifesaver smoke tester LIFLT711 is available for effective testing.

NOTE: WEEKLY TESTING IS REQUIRED.

TEST THE ALARM WEEKLY TO ENSURE PROPER OPERATION. Erratic or low sound coming from your alarm may indicate a defective alarm.

NUISANCE ALARMS

Smoke alarms are designed to minimise nuisance alarms. Combustion particles from cooking may set off the alarm if the alarm is located close to the cooking area. Large quantities of combustible particles are generated from spills or when grilling/frying. Using the fan on a range hood which vents to the outside (non-recirculating type) will also help remove these combustible products from the kitchen.

This model LIF10YI has a HUSH™ control that is extremely useful in areas prone to nuisance alarms. For more information refer to OPERATION AND TESTING SECTION..

If the alarm does sound, check for fires first. If a fire is discovered, get out and call the fire brigade. If no fire is present, check to see if one of the reasons listed in installation section "locations to avoid" may have caused the alarm.

5. MAINTENANCE

Smoke alarms shall be installed outside each separate sleeping area in the immediate vicinity of the sleeping rooms and on each additional story of the family living unit, including basements and excluding crawl spaces and unfinished attics. In new construction, a smoke alarm also shall be installed in each sleeping room.

BATTERY ACTIVATION AND DEACTIVATION

NOTE: Three Lithium-Ion batteries, permanently sealed inside the alarm, power this unit; no battery installation or replacement is necessary for the life of the alarm.

WARNING! DO NOT ATTEMPT TO OPEN THE ALARM FOR ANY REASON!

To activate the alarm, attach the alarm to the mounting bracket by rotating clockwise in the direction of the arrows on the cover, see ACTIVATING ALARM in (INSTALLATION INSTRUCTIONS).

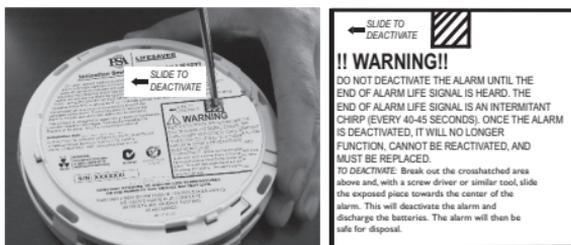
This alarm has a low battery monitor circuit which will cause the alarm to "chirp" approximately every 40-45 seconds, for a minimum of thirty (30) days, at the end of the life of the alarm to indicate that the alarm needs replacement. To deactivate the alarm remove the alarm from the mounting bracket by rotating the alarm anti-clockwise in the direction indicated by the arrows on the cover of the alarm and locate the crosshatched area on the product label. NOTE: TAMPER RESIST FEATURE in (INSTALLATION INSTRUCTIONS Section). Explains how to remove alarm from base.

WARNING! DO NOT DEACTIVATE THE ALARM UNTIL THE END OF THE ALARM LIFE, WHEN A "CHIRP" IS HEARD EVERY 40-45 SECONDS. ONCE THE ALARM IS DEACTIVATED THE BATTERIES WILL BE DEPLETED AND THE ALARM WILL NO LONGER FUNCTION.

WARNING! ONCE THE ALARM HAS BEEN DEACTIVATED, IT CANNOT BE REACTIVATED!

WARNING! ONCE THE ALARM HAS BEEN DEACTIVATED, IT CANNOT BE MOUNTED ONTO THE MOUNTING BRACKET!

Break out the crosshatched area with a screwdriver or similar tool. Using a screwdriver or similar tool slide the exposed piece towards the centre of the alarm. This will deactivate the alarm, stop the low battery "chirp" and render the alarm safe for disposal by draining the batteries.



CLEANING YOUR ALARM

YOUR ALARM SHOULD BE VACUUMED ONCE A MONTH

You will need to follow the instructions in Installation Section to remove your alarm for maintenance.

To clean your alarm, remove it from the mounting bracket as outlined in the beginning of this section. 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.

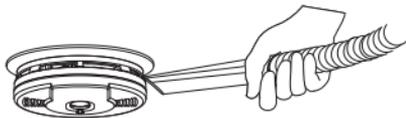
After cleaning, reinstall your alarm and test your alarm by using the test button. If cleaning does not restore the alarm to normal operation the alarm should be replaced. Do not paint the unit. Paint will seal the vents and interfere with the sensor's ability to detect smoke. Never attempt to disassemble the unit or clean inside. This action will void your warranty.

Alarm Removal

Refer to the Alarm Tamper Resist Feature section for removal instructions.

To remove the alarm from the mounting plate, rotate the alarm anti-clockwise in the direction of the "OFF" arrow on the cover.

WARNING: Do not attempt to open the alarm for any reason!



6. PSA RECOMMENDATIONS

Smoke alarms shall be installed outside each separate sleeping area in the immediate vicinity of the sleeping rooms and on each additional story of the family living unit, including basements and excluding crawl spaces and unfinished attics. In new construction, a smoke alarm also shall be installed in each sleeping room.

7. SERVICE AND WARRANTY

If after reviewing this manual you feel that your smoke alarm is defective in any way, do not tamper with the unit. Return it for servicing to: PSA Products Pty Ltd of 17 Millicent Street, Burwood Victoria 3125 (See Warranty for in-warranty returns).

PSA Products Pty Ltd (ABN: 99 076 468 703) of 17 Millicent Street, Burwood 3125 Victoria, Australia warrants this product for a period of ten (10) years from the date of purchase, as reflected on the Authorised Reseller's or Distributor's invoice / receipt provided to you. PSA Products Pty Ltd will repair or replace the product (at the option of PSA Products) due to any manufacturing defect, at the cost of PSA Products Pty Ltd (excluding any labour costs relating to removal or re-installation of product, and transport costs).

This warranty shall not apply to the product if it has been damaged, modified, abused or altered after the date of purchase, or if it fails to operate due to improper maintenance.

To the extent permitted by law, the liability of PSA Products Pty Ltd arising from the sale or under the terms of this limited warranty shall not in any case exceed the cost of replacement and subject to this clause. In no case shall PSA Products Pty Ltd be liable for consequential loss or damages resulting from the failure of the product or breach of this, or: Any other warranty, express or implied, loss or damage caused by failure to abide by the instructions supplied in the leaflets.

To the extent permitted by law, PSA Products Pty Ltd., makes no warranty, expressed or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect to the consumer replaceable battery if any. A product with non-serviceable built-in battery is covered under warranty of the product.

This warranty is provided in addition to other rights and remedies you have under law: 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. What constitutes a major failure is set out in the Australian Consumer Law.

To make a claim under warranty, take the product (with a proof of purchase) to the store where you purchased the product or contact PSA Products Pty Ltd. Phone (03) 9888 9889. or Email: enquiry@psaproducts.com.au with details, proof of purchase or expense claim in writing.

Warranty Form

Register this product for warranty to ensure fast and effective service.
Please visit our website www.psaproducts.com.au to register.

Please retain this warranty section and complete the details below.
When you claim Warranty for the product. Please present this section
together with the faulty product.

Model: _____ Serial Number: _____

Date Of Purchase/ Installation: _____

Invoice No: _____.

Installed By: _____

Owner's Details: _____

This smoke alarm has an expected service life of 10 years under normal conditions. We recommend that you should replace the smoke alarm after 10 years from installation date to ensure normal operation. Please use a date label as a reminder.



CAUTION: RADIOACTIVE MATERIAL

WARNING: DO NOT TAMPER WITH SEALED SOURCE.
WHEN THIS PRODUCT IS NO LONGER REQUIRED
DISPOSE BY RETURNING TO PSA PRODUCTS PTY LTD. 17
MILLICENT STREET, BURWOOD, VICTORIA 3125, AUSTRALIA
OR YOUR STATE HEALTH DEPARTMENT.

**THIS SMOKE ALARM HAS BEEN TESTED AND COMPLIES
TO AS3786**

**DEAR ELECTRICIAN: PLEASE LEAVE THIS MANUAL
FOR THE OWNER.
THANK YOU FOR CHOOSING THIS SMOKE ALARM.**



Tested and Complies to AS3786



Another Quality Product By:

PSA Products Pty Ltd

17 Millicent Street, Burwood, Victoria 3125

Ph: 1300 PSA PRODUCTS(1300 772 776)

Fax: (03) 9888 9993

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