

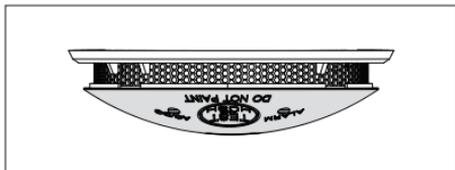


LIFESAVER

Flush Mounted Smoke Alarm User Guide

Model LIF5800ACF

- 240VAC mains powered single station and / or interconnectable (24 units) photo-electric smoke alarm.
- Built-in lithium battery backup.
- Test /Hush Control and Low battery indication.



Tested & Complies to
Australian Standards
AS3786:2014

Thank You for Purchasing This LIF5800ACF Smoke Alarm

This smoke alarm has an expected service life of ten years under normal conditions. We recommend that you should replace after 10 years from installation date to ensure normal operation.

The LIF5800ACF smoke alarm is powered from a 240V AC supply, and has a DC battery back-up.

The LIF5800ACF smoke alarm can be interconnected with up to 24 other PSA Lifesaver models.

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

Your PSA LIFESAVER Smoke Alarm was designed for use in a residential environment. It is not designed for use in a recreational vehicle (RV) or boat.

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

IMPORTANT: Additional markings can be found on the back of the unit.

Product Support: 1300 772 776

Please write down the below information and have this at hand when you call.

Date Code (on back): _____

Date of Purchase: _____

Where Purchased: _____

Date to Replace: _____

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1. Smoke Alarm: What To Do When the Alarm Sounds

Smoke alarm pattern is three long beeps, a 1.5 second pause, and three long beeps repeating.

The red LED flashes every 0.5 seconds during alarm.

- Alert small children in the home as well as anyone else that might have difficulty recognizing the importance of the alarm sounding or that might have difficulty leaving the area without help.
- Leave immediately by your escape plan. 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 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.
- If the escape route requires you to go through smoke, stay close to the floor where the air is cleaner. Crawl if necessary, and 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 mobile phone outside, or 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 or methanol.

NOTE: See Section 9: Nuisance Alarm and HUSH for nuisance alarm situations.

2. Other Visual And Audible Indications

The following tables describes visual and audible indications the unit may emit during normal operation.

Mode	LED Indications	Audible Indications	Note:
Normal (single alarm)	Green on	None	None
Normal (interconnect with units)	Red LED flashing every 340 seconds.	None	The smoke alarm performs a chamber and battery self test every 43 seconds.
Alarm mode (single alarm)	Red flash every 0.5 seconds	3 long beeps, repeating.	None
Alarm mode (interconnect with units)	Red Light is OFF.	3 long beeps, repeating	Other interconnected units may have activated the alarm. Check other smoke alarms or devices.
Hush mode	Red LED will flash every 10 seconds for 8-10 minutes	None	After 8-10 minutes, if smoke level is higher than alarm threshold, the unit will sound.
Low Battery	Green ON, Flashing red light every 340 seconds.	One chirp every 43 seconds.	This alarm has a low battery monitor which will cause the alarm to "chirp" approximately every 43 seconds for a minimum of 30 days when the battery gets low. Replace with new alarm at once.
Fault mode	Red FLASHING every 340 seconds.	chirp 3 times every 43 seconds	Clear the alarm, if statue is still continue, please replace with new alarm at once.

3. Introduction, Product Features And Specifications

INTRODUCTION

This alarm detects products of combustion using photoelectric technology. This product is designed to operate for 10 years in normal conditions. To help track the life of your alarm, write the installation date in the space provided on the back of the alarm.

PRODUCT FEATURES AND SPECIFICATIONS:

The LIF5800ACF smoke alarm is powered from a 240V AC supply, and has a battery back-up. AC/DC smoke alarms offer added protection in the event of a power failure. Unique power connector prevents interconnecting with incompatible smoke alarms, heat alarms, CO alarms, or security systems. The smoke alarms can be interconnected with up to 24 other PSA Lifesaver models. Do not connect to any other type or model of smoke, CO, or heat alarm.

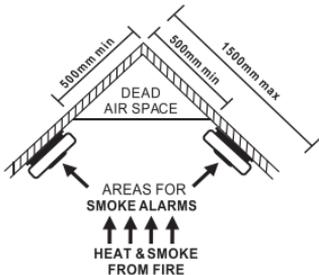
- Electrical rating: 240VAC 50Hz, 4mA
- Temperature: Operating Range: 0 °C to 40 °C
- Humidity range: up to 93% RH non-condensing
- Audible Alarm: 85+ dBA at 3m @ 3.0 to 3.5 KHz pulsing alarm
- Smoke Sensor: Photoelectric
- Hush® feature silences unwanted alarms for 8-10 minutes
- Multi-purpose green and red LEDs indicate that the smoke alarm is connected to the AC supply, is working normally, or is in alarm condition
- Test button checks smoke alarm operation
- Integrated lithium battery back up
- Dual bug screens to reduce false alarms
- Quick and Easy downlight style installation

4. Recommended Locations For Alarms

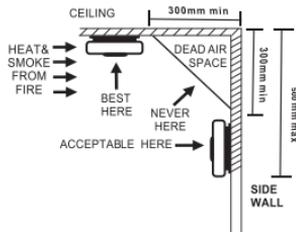
- Check specific State legislation in your area to ensure smoke alarms are correctly located according to local laws. Each State or Territory may differ in building codes and regulations. PSA Products can only recommend the locations.
- Locate an alarm for each separate sleeping area in the immediate vicinity of the bedrooms. Try to monitor the exit path as the bedrooms are usually farthest from an exit. If more than one sleeping area exist, locate additional alarms in each sleeping area in the immediate vicinity.
- Locate additional alarms to MONITOR any stairway because stairways act like chimneys for smoke and heat.
- Locate at least one alarm on every floor level.
- Locate an alarm in every room where a smoker sleeps.
- 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 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..
- When mounting alarms on the ceiling locate it at least 300mm away from the side wall and 300mm away from any corner. (see diagram).
- When mounting alarms on a wall, use the inside wall. The recommended position is between 300mm and 500mm off the ceiling. (see diagram).

NOTE: The LIF5800ACF smoke alarm cannot be wall mounted.

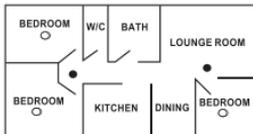
Location of smoke alarm



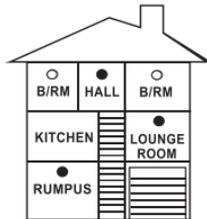
Apex Of Sloping Ceiling



Ceiling / Wall Junction



Single Floor



Typical Multiple Floor Installation

- Smoke alarms for minimum protection
- Smoke alarms for additional protection

IMPORTANT: incorrect orientation of smoke alarm may decrease operational effectiveness

5. Locations To Avoid

- Do not locate your alarm in the garage - products of combustion are present when you start your automobile. Use Lifesaver Heat Alarm in this location.
- Do not locate your alarm in front of forced air supply ducts used for heating and air conditioning and other high air flow areas.
- Do not locate your alarm less than 500mm from the peak of an "A" frame type ceiling.
- Do not locate your alarm in areas where temperatures may fall below 0°C or rise above 40°C, or in humidity higher than 93% as these conditions may reduce battery life.
- Avoid dusty areas, dust particles may cause smoke alarm to false alarm or fail to alarm. Use Lifesaver Heat Alarm in this location to avoid false alarms.
- In dusty areas. Dust particles may cause nuisance alarm or failure to alarm.
- Avoid very humid areas or near a bathroom, moisture can cause false alarm.
- Avoid insect-infested areas.
- Do not locate alarm within 0.9m of the following: the door to a kitchen, the door to a bathroom containing a tub or shower, ceiling or whole house ventilating fans, or other high flow areas.
- Avoid locating near fluorescent lights or other electrical equipment. Electronic magnetic interferences or "noise" may cause nuisance alarms or chirping.
- Near fluorescent lights, including CFL lamps. 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.

6. Installation

⚠ DANGER: ELECTRICAL SHOCK HAZARD. Turn off power at the main fuse box or circuit breaker by removing the fuse or switching the circuit breaker to the OFF position and securing it. An all-pole mains switch with a contact separation of at least 3mm in each pole shall be incorporated in the electrical installation of the building.

⚠ WARNING: THIS SMOKE ALARM MUST BE INSTALLED BY QUALIFIED (LICENSED) ELECTRICIANS ONLY.

Wiring Requirements

- This smoke alarm should be installed with an AS/NZS Wiring Rules approved junction box. All connections must be installed by a qualified electrician and be in accordance with the relevant requirements of the SAA Wiring Rules AS 3000 Standards.
- The appropriate power source is 240V AC 50Hz continuous single phase sine wave current supplied from a non-switchable circuit.
- 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.

⚠ WARNING: This alarm cannot be operated from power derived from a square wave or modified square wave inverter. These type of inverters are sometimes used to supply power to the structure in off grid installations, such as solar or wind derived power sources. These power sources produce high peak voltages that will damage the alarm.

Wiring instructions for AC harness

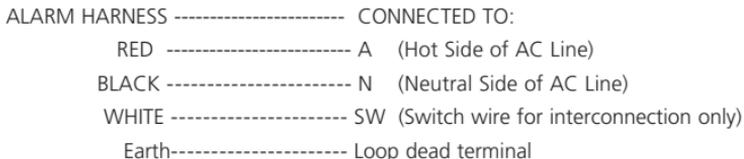
⚠ CAUTION! TURN OFF THE MAIN POWER TO THE CIRCUIT BEFORE WIRING THE ALARM.

- For alarms that are used as SINGLE STATION, DO NOT CONNECT THE SWITCH WIRE TO ANYTHING.

- When alarms are interconnected, all interconnected units must be powered from a single circuit.
- A maximum of 24 PSA LIFESAVER devices may be interconnected in a multiple station arrangement.

Note: Use approved listed Australian Standards cable 1.0mm² TPS or larger as required by local codes.

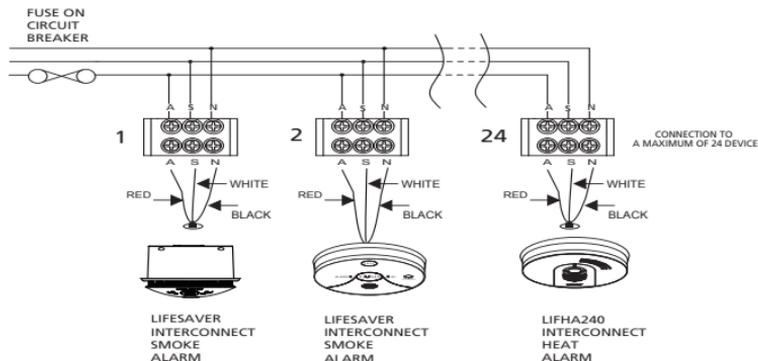
FIGURE 5 “INTERCONNECT WIRING DIAGRAM”



- When interconnected all Smoke Alarms will sound upon activation.
- This Smoke Alarm can be interconnectable only with other PSA LIFESAVER models of Smoke Alarms, Heat alarms, CO alarms; whether it be of Ionisation or Photoelectric design. Interconnection with other brands may cause damage or result in a shock or fire risk.

Note: For interconnection of smoke alarms to Fire Panel or Auxiliary devices, use only LIFESAVER Isolation Relay Model RK10A/9.

FIGURE 1



7. Mounting Instructions

⚠ CAUTION ! THE COVER IS A SEALED UNIT AND HAS NO SERVICEABLE PARTS! DO NOT TAMPER.

⚠ WARNING: This alarm cannot be operated from power derived from a square wave, modified square wave or modified sine wave inverter. These type of inverters are sometimes used to supply power to the structure in off grid installations, such as solar or wind derived power sources. These power sources produce high peak voltages that will damage the alarm.

PSA recommend the smoke alarms to be installed on its own subcircuit to avoid false alarms and nuisance chirping that may be caused by electromagnetic interferences from other electrical equipment.

1. Cut a 90mm circular hole in the ceiling (or ceiling tile).When mounting in suspended ceilings there should be at least 100mm between the lower surface of the tile and the hard surface above.

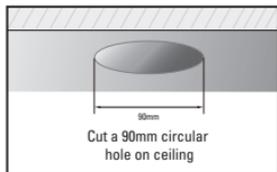


FIGURE 2

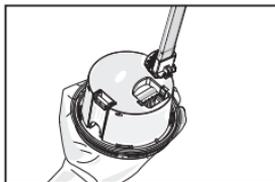


FIGURE 3

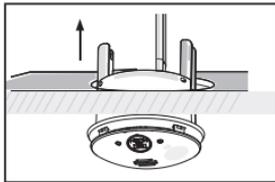


FIGURE 4

2. Insert the connector into the back of the alarm, Figure 3. The connector can only be inserted in one direction. Ensure the connector is connected securely and clicked in position.
3. Fold the plastic ceiling clips back till to 180 degree position Figure 4.
4. Insert the clips and smoke alarm into the hole of the ceiling.
5. Turn on the AC power. The green LED should be lit when the alarm is operating from AC power.

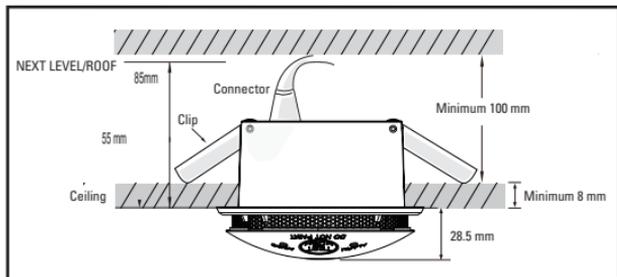


FIGURE 5

TO REMOVE THE CONNECTOR

NOTE: AC power should be turned off at this stage.

- To remove the AC connector from the smoke alarm, gently push the right clip in the direction of the arrow to release the connector. Gently pull out the connector. See Figure 6.
- Removing the connector will deactivate the smoke alarm.

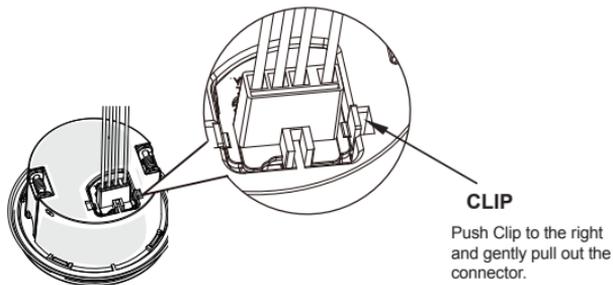


FIGURE 6

8. Operation and Testing

⚠ WARNING: This alarm cannot be operated from power derived from a square wave,

OPERATION

The smoke alarm is operational once all wires are properly connected, The smoke alarm is correctly installed on connector cable and the alarm has been tested.

Red and green led indicators:

This smoke alarm features a red and green LED indicator.

The LEDs indicate the following:

Green

ON – AC power is present.

OFF – AC power is not present.

Red

Red LED flash once approximately every 340 seconds
– Mains power is present indicating normal operation.

Red LED blinks once every 10 seconds
– Hush mode activated.

Red LED flash every seconds and unit is sounding alarm
– The unit is the initiating alarm in the network

Red LED OFF and all other units is sounding alarm
– Another interconnected smoke/heat alarm in the network has initiated an alarm.

Red LED is 3 rapid flashes at 43 second interval
– Indicates which alarm has previously detected an alarm condition

TESTING THE SMOKE ALARM

⚠ Warning: test each smoke alarm and heat alarm to be sure that each is installed correctly and is operating properly.

Stand at arm's length from the smoke alarm when testing. The alarm sounder is loud to alert you to an emergency and can be harmful to hearing.

Test the smoke alarm weekly and upon returning from holiday, or when the house has been unoccupied for several days.

Test all alarms weekly by doing the following:

1. Check the TEST/HUSH button. If the green LED above the test button is ON, the smoke alarm is receiving AC power.
2. Firmly depress and hold the TEST/HUSH button for at least five (5) seconds. The smoke alarm will sound 3 long beeps, pause, 3 long beeps, repeating for up to 10 seconds after the TEST/HUSH button is released. **NOTE:** If smoke alarms are interconnected, all smoke alarm and heat alarm should sound an alarm within three (3) seconds after any test button is pushed and the tested smoke alarm sounds.
3. If the smoke alarm does not sound, please refer to Section 2: Other Visual And Audible Indications. If this doesn't work please contact your electrician.

9. Nuisance Alarm and HUSH

This alarm is designed to minimise 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.

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 “TEST AND HUSH” button on the initiating unit (Red LED flashing every 10 second) to silence the alarm for up to 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 Section 5. LOCATIONS TO AVOID may have caused the alarm. If a fire is discovered, get out and call the fire department.

- Pushing the button on the initiating smoke alarm will silence that alarm and all compatible interconnected units.
- Pushing the button on any hard-wire smoke alarm will do nothing to silence an interconnected smoke alarm.

MEMORY FUNCTION

This smoke alarm has a memory function that will inform you if the alarm has sounded since the button was last pressed. The alarm memory will cause the red LED to flash rapidly when the button is pressed. The alarm memory is reset when the button is released.

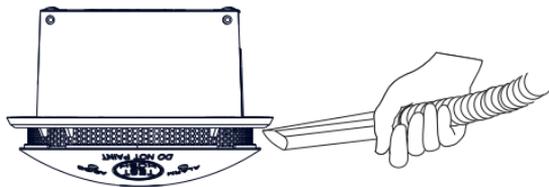
10. Cleaning Your Alarm

YOUR ALARM SHOULD BE CLEANED ONCE A YEAR.

Dust and insects can cause false alarms. Over time dust can accumulate around and inside the smoke alarm. It is good practise to regularly clean your smoke alarm to reduce false alarms. 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, test your alarm by using the button. If cleaning does not restore the alarm to normal operation the alarm should be replaced.

⚠ WARNING : Reinstall the Alarm as soon as possible to ensure continuous protection.



11. 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.
- Familiarize everyone with the sound of the smoke 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.

RECOMMENDATIONS

Smoke Detection - Are More Smoke Alarms Desirable? The required number of smoke alarms might not provide reliable early warning protection for those areas separated by a door from the areas protected by the required smoke alarms. For this reason, it is recommended that the householder consider the use of additional smoke alarms for those areas for increased protection. The additional areas include the basement, bedrooms, dining room, utility room, and hallways not protected by the required smoke alarms. The installation of the smoke alarms in the kitchen, attic (or unfinished), or garage is normally not recommended, as these locations occasionally experience conditions that can result in improper operation.

12. Limitations Of Smoke Alarms

⚠ WARNING: PLEASE READ CAREFULLY AND THOROUGHLY.

- Life safety from fire in residential occupancies is based primarily on early notification to occupants of the need to escape, followed by the appropriate actions by those occupants. Fire warning systems for dwelling units are capable of protecting about half of the occupants in potentially fatal fires. Victims are often intimate with the fire, too old or young, or physically or mentally impaired such that they cannot escape even when warned early enough that escape should be possible. For these people, other strategies such as protection-in-place or assisted escape or rescue are necessary.
- Smoke alarms must be tested regularly to make sure the batteries and the alarm circuits are in good operating condition.
- Smoke alarms cannot provide an alarm if smoke does not reach the alarm. Therefore, smoke alarms may not sense fires starting in chimneys, walls, on roofs, on the other side of a closed door or on a different floor.
- If the alarm is located outside the bedroom or on a different floor, it may not wake up a sound sleeper.
- The use of alcohol or drugs may also impair one's ability to hear the smoke alarm. For maximum protection, a smoke alarm should be installed in each sleeping area on every level of a home.
- Although smoke alarms can help save lives by providing an early warning of a fire, they are not a substitute for an insurance policy. Home owners and renters should have adequate insurance to protect their lives and property.

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.

13. Warranty and Liability

1. 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 years from the date of purchase, as reflected on the Authorised Reseller's or Distributor' 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).
2. 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.
3. 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.
4. 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 as per point 17.1.
5. 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.
- 6 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.

14. Product warranty registration

Thank you for purchasing and installing the most trusted brand in fire, security and intercoms. To ensure you receive excellent after-sale product service we encourage you to register your products. There are a few important reasons to register your product:

1. It will ensure your investment is protected in case it is damaged or broken and we can effectively carry out any warranty claims.
2. Registration will also allow us to contact you in an unlikely event of product safety notification required under Consumer Product Safety Act.
3. Registration will also help us improve our product design to meet your needs.

Register at: <http://www.psaproducts.com.au/register-product/>

Register this product for warranty to ensure fast and effective service.

Otherwise, 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.

THIS SMOKE ALARM HAS BEEN TESTED AND COMPLIES TO AS3786:2014

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



Tested & Complies to
Australian Standards
AS3786:2014



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

Email: enquiry@psaproducts.com.au

Website: www.psaproducts.com.au