



# LIFESAVER



## LIFESAVER SERIES 2

# SMOKE ALARM



The PSA LIFESAVER Series 2 smoke alarms are available in 2 models. The PSA LIFESAVER Model LIF5800/2 operates on a 240VAC power source with a 9VDC battery backup. The PSA LIFESAVER Model LIF5800RL/2 is 240VAC mains powered with a sealed rechargeable lithium battery backup.

Both models use photoelectric sensing technology. Photoelectric sensing alarms may detect visible particles (associated with smoldering fires) sooner than ionisation alarms.

The LIFESAVER Series 2 smoke alarms uses the popular QUICK SLIDE base plate design for user friendly and easy installation. It is compatible with Series 1 models.

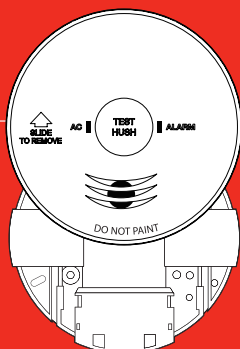
The LIFESAVER Series 2 is AS3786:2014 approved and SAI Global and Activfire Listed with a 5 year warranty.

### FEATURES:

- Mains power hard-wired smoke alarm
- 240VAC with 9VDC battery backup (Model LIF5800/2)
- 240VAC with sealed rechargeable lithium battery backup designed to last for 10 years (LIF5800RL/2)
- Photoelectric Sensing Technology
- Insect screen over the smoke sensor
- Single button operation (Test and Hush feature)
- Surface mount QUICK SLIDE mounting base plate. Compatible to Series 1 smoke alarms.
- Stand alone operation or interconnect up to 24 units
- Tamper resistant feature
- Low battery warning delay. Silence low battery beeping for 8 hours
- First to alarm memory indication
- Chamber monitoring for maintenance
- Low power consumption 10mA
- Increase resilience to electrical interferences
- 5 Year warranty
- Approved to AS3786:2014 standard.

### NEW FEATURE

Low battery warning delay. Silence low battery beeping for 8 hours. Giving you time to change the battery.



Tested & complies to Australian Standards AS3786:2014

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**STANDBY CONDITION:** The green LED indicates the presence of AC mains power. The red LED will flash every 5 minutes to indicate the smoke alarm is operating normally.

**ALARM CONDITION:** When the alarm senses products of combustion and goes into alarm the red LED will flash. The flashing LED and pulsating alarm will continue until the air is cleared. When units are interconnected, only the red LED of the alarm that senses the smoke or is being tested (the originating unit) will flash. All other units in the interconnected system will sound an alarm but their red LED will NOT flash.

**HUSH MODE:** The red LED will flash every 10 seconds, indicating the smoke alarm is in the Hush Mode.

**TEST MODE:** Pressing and holding the TEST button will test the smoke alarm electronics and sounder. Releasing the TEST button the smoke alarm will enter hush mode.

**LOW BATTERY CONDITION:** The smoke alarm will beep every 40 seconds and the red LED will flash every 5 minutes when a low battery voltage is detected. Pressing the HUSH button during a low battery warning will silence the low battery beeping for up to 8 hours. This is called LOW BATTERY HUSH.

**SMOKE ALARM MEMORY:** The red LED will flash 3 times every 40 seconds on the unit that has activated. Pressing the TEST button will emit short beeping before resetting.

**CHAMBER FAULT MODE:** The smoke alarm continuously monitors the condition of its smoke detection chamber. Smoke alarm will beep 3 times every 40 seconds if it requires maintenance and cleaning.

## SPECIFICATIONS

Model	LIF5800/2 LIF5800RL/2
Detection Method	Photoelectric / Photo-optical sensing technology
Operation	Stand-alone or interconnect up to 24 units
Power Requirement	240V AC 50Hz sine wave supply
Power Backup	9Vdc battery (LIF5800/2) Fixed rechargeable lithium (LIF5800RL/2)
Rating	10mA max per alarm
Alarm sound	85dB at 3m
Low battery indication	Sounds a chirp at 40 second intervals, in addition to red LED flashing every 5 minutes
Hush Function	10 minutes. Red LED flash every 10 seconds.
Alarm duration	As long as smoke is present, unit automatically resets when smoke clears
Alarm indication	Flashing red LED indicator every second. If interconnected, only the red LED of the initiating unit will flash.
Temperature Range	0°C to 40°C
Humidity Range	Up to 93% relative humidity (RH)

## INSTALLATION OF THE SMOKE ALARM

The LIFESAVER Series 2 smoke alarm is easy to install. The unit is fitted on a base plate with multiple fixing holes. The smoke alarm is connected to power on a 5 pin terminal block on the base plate marked 9V, Active, Switch, Neutral, Loop. The smoke alarm easily slides on the base plate for positive power connection. The LIFESAVER Series 2 is fitted with a 9V output terminal that can be used with auxiliary products as part of a smoke alarm system.

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.

The LIFESAVER Series 2 is not designed to be interconnected with other brands or products. Should other products need to be interconnected for a complete system, please contact PSA PRODUCTS for more information.



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AS3786:2014



Size	130mm Wide x 45mm High
Wiring Terminal	9V+, Active, Switch, Neutral, Loop,
LED	Green, power indicator. Red, alarm status indicator
Warranty	5 years - manufacturer's warranty
Compliance	ACTIVFIRE and SAI GLOBAL Approved and listed to AS3786:2014 Australian standards certified product. RCM.

## ACCESSORIES

LIFWMB2	Wireless interconnect baseplate
LIF10YPEW	10 Year smoke alarm with RF wireless interlink.
LIFHA240	Heat Alarm with 9V battery backup
LIFRK10A/9	Isolation relay
LIFMB3848	Surface mounting block
LIFLT711	Smoke alarm tester

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