

# HomeGUARD

## Smoke Alarm

Mains Powered, 9V battery backup

HG3000



Photoelectric  
Technology



Insect Screen  
sensor protection



240VAC



9V battery  
backup



Test/Hush  
Function

The **HOMEGUARD HG3000** is a mains powered, photoelectric smoke alarm that operates on a 240VAC power source with a 9VDC battery backup. This smoke alarm has the ability to function as a stand alone unit or in an interconnected system. This smoke alarm uses photoelectric sensing technology and do not contain any radioactive material.

The HOMEGUARD HG3000 has new circuitry designed with improved resilience to electrical interferences and ripple control signals. The HG3000 smoke alarm complies with AS3786:2014 standard and is Activfire listed with a 5 year warranty.

### GENERAL:

- 240VAC with 9VDC battery backup
- Photoelectric Technology Design
- Insect screen over sensor chamber
- Operate as single or inter-connect up to 24 units
- Easy slide base plate
- Suitable for Ceiling or Wall mounting
- Single Test and Hush button
- Anti-tamper feature
- Loud 85dBA sounder ISO8201 sound pattern.
- Tested and Approved to AS3786:2014

# HG3000

## Smoke Alarm

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### FUNCTION

**STANDBY CONDITION:** The red LED will flash every 40 seconds to indicate that the smoke alarm is operating properly.

**ALARM CONDITION:** When the alarm senses products of combustion and goes into alarm the red LED will flash one flash per second. 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's will NOT flash.

**HUSH MODE:** The red LED will illuminate for every 8 seconds, indicating the smoke alarm is in the Hush Mode. Pressing and releasing the Test button the smoke alarm will enter Hush mode.

### INSTALLATION OF THE SMOKE ALARM

The HOMEGUARD 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 3 pin terminal block on the base plate. The smoke alarm easily slides on the base plate for positive power connection.

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.

Installing smoke alarm on its own subcircuit will avoid false alarms and nuisance chirping that may be caused by electromagnetic interferences from other electrical equipment. The HOMEGUARD HG3000 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.

Refer to the installation and user manual for more details. Product specification may change without notice.

### SPECIFICATIONS

Model	HG3000
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
Rating	80mA max per alarm
Alarm sound	85dB at 3m
Low battery indication	Sounds a chirp at 40 second intervals, in addition to red LED flashing
Hush Function	10-15 minutes. Red LED flash every 8-10 seconds.
Alarm duration	As long as smoke is present, unit automatically resets when smoke clears
Alarm indication	Flashing red LED indicator every second.
Temperature Range	4°C to 45°C
Humidity Range	Up to 95% relative humidity (RH)
Size (W x H)	120 x 40mm
Wiring	Hard wire 3 pin terminal block.
LED	Green, power indicator. Red, alarm indicator
Warranty	5 years – limited warranty excludes battery
Compliance	Activfire Approved and listed to AS3786: Australian standards certified product. Australian Electrical Authority Approval. RCM. Manufactured under ISO9001



Tested & complies to  
Australian Standards  
AS3786:2014

FIRE • SECURITY • INTERCOMS

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