



HOMEGUARD

240VAC SMOKE ALARM MODEL HG1000



DESCRIPTION

The HOMEGUARD HG1000 is an AC powered, ionisation smoke alarm that operates on a 240VAC power source with a 9VDC alkaline battery backup. This smoke alarm has the ability to function as a stand alone unit or in an interconnected system. This smoke alarm uses ionisation sensing technology. Ionisation sensing alarms may detect invisible fire particles (associated with flaming fires) sooner than photoelectric alarms. Photoelectric sensing alarms may detect visible particles (associated with smoldering fires) sooner than ionisation alarms.

PSA strongly recommends that both ionisation and photoelectric smoke alarms be installed to help ensure maximum detection of the various types of fire that can occur within the home.

The HOMEGUARD HG1000 includes a quick connect wiring harness for easy installation. The HG1000 is AS3786 approved and Activfire Listed with a 5-year limited warranty.

GENERAL:

- ✓ Mains power hard-wired smoke alarm
- ✓ 240VAC with 9VDC battery backup
- ✓ Ionisation Sensing Technology
- ✓ One button operation (Test and Hush feature)
- ✓ Twist ON/OFF mounting base
- ✓ Tamper resistant feature

Model	HG1000
Detection Method	Ionisation 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 30-40 second intervals, in addition to red LED flashing
Alarm duration	As long as smoke is present, unit automatically resets when smoke clears
Alarm indication	Flashing red LED indicator.
Temperature Range	4°C to 45°C
Humidity Range	Up to 85% relative humidity (RH)
Size	125mm Wide x 40mm High
Wiring	Quick connect 3 pin plug
LED	Green, power indicator Red, alarm indicator
Warranty	5 years – limited warranty
Compliance	Activfire Approved and listed to AS3786: Australian standards certified product. Australian Electrical Authority Approval. RCM.



240VAC SMOKE ALARM

MODEL HG1000

Architectural and Engineering Specifications

The smoke alarm shall be PSA HOMEGUARD model HG1000. It shall be powered by a 240VAC, 50Hz source with 9VDC battery backup. The unit shall incorporate an ionisation sensor with nominal sensitivity of 0.50 to .83%/ft. The temperature operation range shall be between 4°C to 45°C and the humidity operating range shall be 5% - 95% relative humidity.

The smoke alarm can be installed on any standard single gang electrical box. The electrical connection (to the alarm) shall be made with a plug-in connector. A maximum of 24 smoke alarms can be interconnected in a multiple station arrangement. The alarm shall provide tamper resistance that deters removal of the unit from the wall or ceiling. The alarm shall include a piezoelectric horn that is rated at 85 decibels at 3 metres. The unit shall include Hush feature that silences the unit for approximately 7 minutes if a nuisance condition occurs. The unit shall incorporate red and green LED indicators. The green LED (when illuminated) indicates the presence of AC power. The red LED (located under the TEST/Hush button) has three modes of operation:

Standby Condition: The red LED will flash every 30-40 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 1.5 seconds every 8 seconds, indicating the smoke alarm is in the Hush Mode.

The unit shall at a minimum meet the requirements of AS3786 and is Activfire listed. It shall also include a 5-year manufacturer's limited warranty.

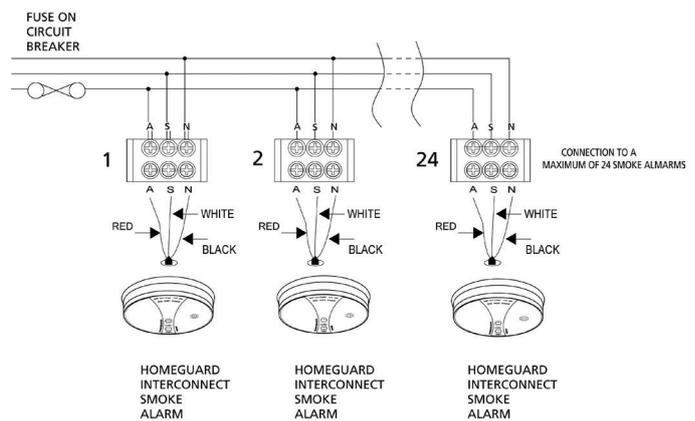
INSTALLATION OF THE SMOKE ALARM

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 using a supplied 3 pin power connector and lead with terminal block for safe and easy installation.

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 HOMEGUARD HG1000 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.



Tested & complies to Australian Standards AS3786



*Excludes Batteries



RCM



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psaproducts.com.au
1300 772 776
enquiry@psaproducts.com.au

