



Garvan

9V DC PHOTOELECTRIC SMOKE ALARM

Model : SS-166



SS-166

Main Features

- DIY unit, easy and simple installation
- High sensitivity & reliability
- Low battery signal
- Alarm / Power Indicator
- Test button
- Loud 85dB alarm signal
- Photoelectric chamber: for slow smouldering fires
- Battery Life minimum 1 year
- Supplied with fixing kit
- (OPTIONAL) ---- Wireless interconnection up to 20 alarms with □ Garvan's RF signal base SB-2008V -----> SB-2066V

FOR UL VERSION, MODEL NUMBER IS SS-366 (ALARM IN THREE PULSE TEMPORAL PATTERN)

Description

The Garvan SS-166 Smoke Alarm is an photoelectric 9V DC smoke alarm. It is operated by a 9V battery (6LR61 or 6F22), battery life 1 year minimum. With the photoelectric technology, SS-166 is more sensitive to detecting slow smouldering fires which general thick, black smoke, little heat and may smoulder for hours before bursting into flames. The SS-166 do not contain the radioactive material which is harmless to the environment.

SS-166 should be installed in every room (except the bathroom), and every other area of the home, making sure the people in the home will be able to hear and respond to the alarm sound. For minimum protection you should fit an alarm in the hallway between the living areas (incl. Kitchens) and sleeping areas. Place it as near to the living areas as possible and ensure the alarm is audible when the bedrooms are occupied.

Technology

A photoelectric sensor uses a light source and a light sensor to measure smoke density. The light source is constantly on but the light beam is angled away from the light sensor. When smoke enters the chamber, the smoke particles scatter some of the light toward the sensor. As the smoke density increases, more light is scattered toward the sensor. When the amount of light scattered into the sensor reaches a predetermined threshold, the unit goes into alarm mode and the horn will sound to alert occupants.

Operation

Once the smoke alarm has been installed a small indicator light (LED), positioned under the test button, should flash approximately once a minute in normal operation. If smoke is detected the unit will emit a loud pulsating alarm until the air is clear.

Wireless Interconnection

This is an optional feature. With using our new RF Signal base SB-2008V, SS-166 can be interconnected wirelessly to Garvan's smoke & heat alarms (SS-166, SS-168, SS-163 & SS-163R). This interconnecting feature allows up to 20 alarms to be connected together and thus allowing all the alarms to sound when any one is activated. The wireless signal transmission technology avoids wiring location problem and allows the smoke and heat alarms to be placed further apart when compared to a wired installation.



Wireless Signal Transmission



Model SB-2066V, (SB-2008V + SS-166)

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PRODUCT SPECIFICATIONS:

Description □	9V Battery Powered Photoelectric Smoke Alarm
Model number □	SS-166
Power Source □	9Vdc Alkaline or Carbon Zinc battery - GOLD PEAK GP1604P, GOLDEN POWER 1604D, EVEREADY □ PP3S, DURACELL MN16049V
Operation Current □	10 uA (normal) and <20 mA (alarm working)
Sensitivity to smoke □	comply to BSI or VDS standard
Operating Temperature □	0°C - 40°C
Ambient Humidity □	10% - 90%
Plastic Material □	ABS
Overall Dimensions □	45 mm (H) X 106 mm (Diameter)
Colour □	Bright White
Alarm Sound Level □	85 Decibels at 3 metres minimum
Smoke Alarm Assembly □	Smoke Alarm □ Mounting bracket □ 9V carbon zinc battery
Fixing kit assembly □	2 fixing screws 2 rawlplugs in polythene bag
Packing □	Gift Box or blister □ Contents: □ Smoke detector assembly □ □ Instruction leaflet □ □ Fixing kit assembly
Warranty □	5 years warranty
Approvals □	Kitemarked to BS5446 Pt1 2000, VDS, UL, CE

Packaging

Blister (Single)



Gift Box (single)



Shipping Specifications:

<i>Blister (single pack):</i>	
Individual Carton Dimensions □	47.5cm x 33cm x 40 cm
Inner carton quantity □	12
Export carton quantity □	72
Export carton weight □	13.5 kgs
Quantity per 20ft' container □	29,520 pcs