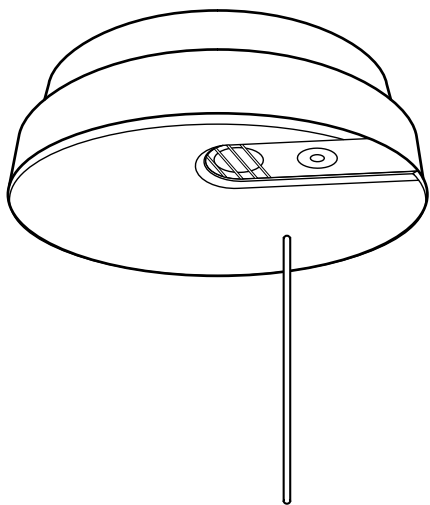


Australian  
Standard  
AS3786 LIC 1602  
SAI Global





# Visit smoke alarm

BE1287

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## **GENERAL INSTRUCTIONS**

Thank you for purchasing this Visit smoke alarm (BE1287) which is an important part of the Visit alerting system from Bellman & Symfon. Read and keep this user manual for as long as the product is being used. It contains vital information on the operation and installation of your smoke alarm. The user manual should be regarded as part of the product.

If you are just installing the unit, the user manual must be given to the householder. The user manual is to be given to any subsequent user.

### **Please note**

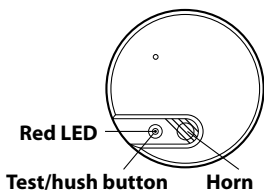
This BE1287 Smoke alarm transmitter (hereafter referred to as the “smoke alarm”), is equipped with a BE9187 radio module (hereafter referred to as the “RF module”). The RF module transmits signals to supplementary Visit receivers in the Visit system which indicates to the user in case of fire. The supplementary Visit receivers are hereafter referred to as the “Visit receivers”.

The Visit receivers are purchased separately.

# Indication summary

## Please note

The indications below is only for the smoke alarm. For the indications for the Visit receivers, please refer to the instruction manual for the Visit receiver you use.



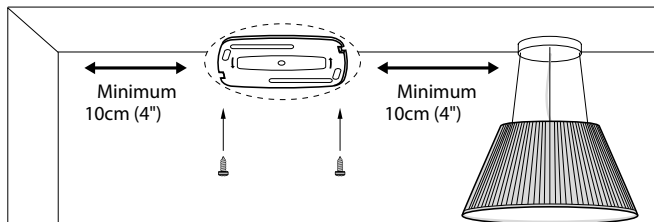
EN

	Smoke alarm Horn / sounder	Smoke alarm Red LED
<b>Normal operation</b>		
Power up	-	Blink once
Standby	-	Blink once every 45 sec
Fire activation	Alarm continuously	Blink continuously
<b>Faulty mode</b>		
Low battery	Beep once every 45 sec (for up to 30 days)	Blink once every 45 sec
Faulty smoke sensor	Beep once every 45 sec	-
<b>Test / Hush mode</b>		
Test smoke alarm by pressing the button for approx. 5 seconds	Alarm continuously until button released	Blink continuously until button released
Activate silent / Hush mode by pressing the button	-	-

# Quick start guide

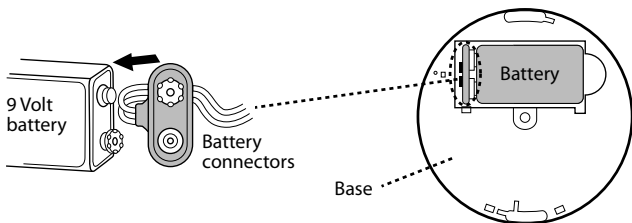
## 1 Mount the mounting plate

Twist the mounting bracket anti-clockwise from the smoke alarm and take off baseplate. Fix the mounting bracket to the ceiling using a screwdriver. The smoke alarm should be mounted at least 10cm (4") from walls and obstruction, ideally centrally in the room/area.



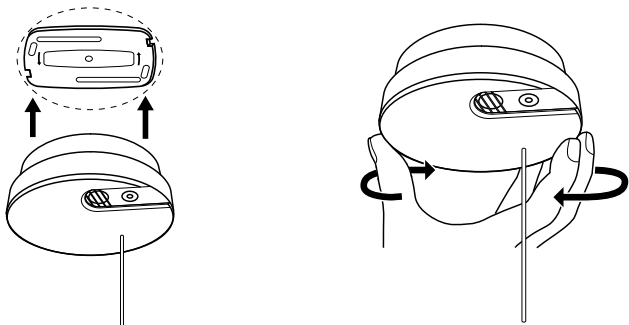
## 2 Connect the battery

Connect the battery to battery snaps to power the smoke alarm unit. Only use battery as listed here: Duracell #MN1604, Gold Peak1604A, Energizer#522, Ultralife U9VL-J-P.



### 3 Attach the unit

Place the smoke alarm unit on top of the baseplate and twist it clockwise to attach it. Extend the antenna so that it points down.

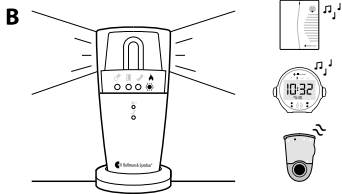
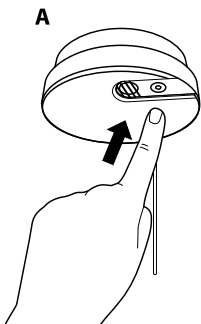


### 4 Test the alarm

**A** Press and hold the smoke alarm test button. The smoke alarm will alarm and blink continuously until the button released.

**B** The Visit receiver lights up a fire symbol in red and alerts with sound, flash or vibration depending on which model of the Visit receivers you use.

**Please note:** The smoke alarm will stop sounding shortly after the button is released and the Visit receiver will time out within ~ 40s.





# Location and positioning

## Locating your smoke alarm

For maximum protection we strongly recommend that you install a smoke alarm in every room (except bathrooms and kitchens). Research indicates that substantial increase in warning time can be obtained with each properly installed additional smoke alarm. The minimum level of coverage is one per floor or one outside each sleeping area, however, we suggest that you follow the guide-lines below.

Explanation of symbols used in the following installation guidelines:

 = Minimum protection (every storey, every sleeping area)

 = Maximum protection (all rooms except kitchens and bathrooms)

## Single storey dwellings

For the minimum level of protection in a single storey dwelling, such as flat or bungalow, the smoke alarm should be located between the sleeping area and the living area (see figure 1). This will mean that the alarm is near the most likely source of a fire (i.e. living rooms and kitchens). It is important to ensure that the alarm in his location is loud enough to wake people sleeping in the bedrooms.

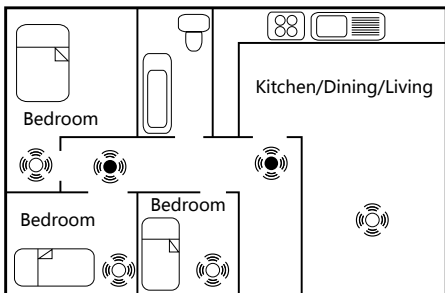


Figure 1



Single storey dwellings with more than one sleeping area (see figure 2) should have an alarm located outside each area. If a hallway is longer than 12 meters, one alarm will not be sufficient. A smoke alarm should be located at each end.

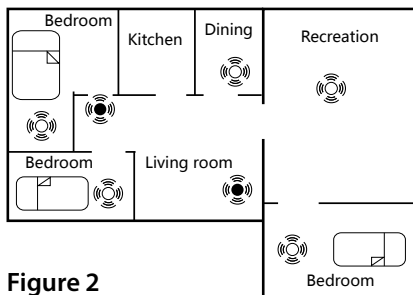


Figure 2

### Multi-storey dwellings

For the minimum level of protection in a multi-storey dwelling, smoke alarms should be placed on the ground floor near the stairs (this will detect smoke from a fire in the kitchen or living room before it reaches the upstairs landing and bedrooms) and on the upstairs landing (to detect smoke from a fire in a bedroom).

For maximum protection, a smoke alarm should be placed in every room (except kitchens and bathrooms), particularly when:

1. Bedroom doors are kept shut at night (an alarm in the hallway may not wake the occupant through a closed door).
2. Rooms contain electrical appliances such as heaters or electric blankets.
3. Bedrooms are occupied by smokers.
4. Rooms are occupied by persons who may not be able to respond very quickly, such as the elderly or young children.

**Important:** This smoke alarm is only suitable for individual household units and not for multi occupancy blocks, commercial or industrial use.

✓ = Best location for a single smoke alarm in a two storey building

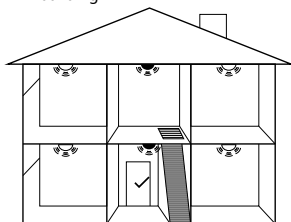
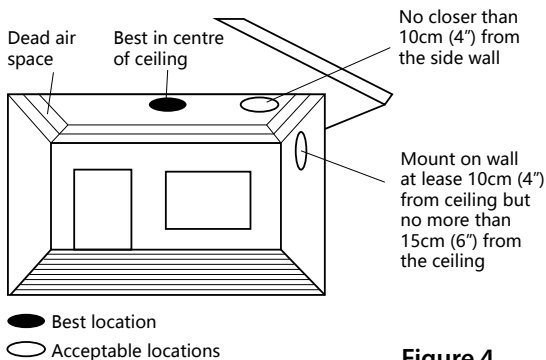


Figure 3

## Positioning the smoke alarm

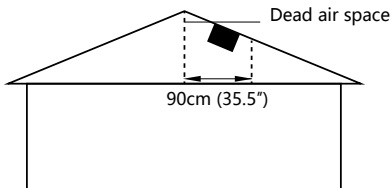
Once the most suitable location has been found, the smoke alarm must be positioned where it will be most effective.

A central ceiling position is the most suitable for the alarm as smoke rises and spreads out. If this is not possible, the alarm can be mounted on the wall. The area around the corner of the ceiling is dead air space where the air does not move, so do not position the alarm on the ceiling closer than 10cm (4") from the wall, and on the wall place the alarm at least 10cm (4") but no further than 15cm (6") from the ceiling (see figure 4).



**Figure 4**

When installing the alarm in a room with a sloped or peaked roof, position it 90 cm horizontally from the highest point as dead air at the apex may prevent smoke from reaching the unit (see figure 5).



**Figure 5**

## Locations to avoid

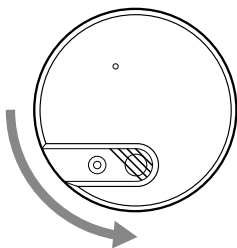
### **DON'T place smoke alarms in any of the following areas:**

1. Bathrooms, damp or humid or dripping or splashing area, garages and any rooms where the alarm may be triggered by local conditions, i.e. steam or condensation in a bathroom, smoke from cooking appliances, and fumes from vehicles.
2. Location where extremes in temperature occur (below 5°C or above 45°C, such as attics).
3. Near decorative features/fittings that may prevent smoke from entering the alarm, such as light fittings, door or window frames.
4. On any surface that is warmer or colder than the rest of the room. Temperature differences may prevent smoke from reaching the alarm (such as loft hatches or uninsulated exterior walls).
5. Near air vents, drafty windows or heaters – the direction of airflow may be changed and smoke driven away from the alarm.
6. In dead air spaces – see figures 4 and 5.
7. In very dusty or dirty areas – dust can build up in the sensing chamber and make the alarm overly sensitive, or it can block the vents into the sensing chamber preventing smoke from entering.
8. In infested areas. Small insects entering the alarm may cause nuisance alarms.
9. Location where it is difficult to reach the alarm for testing, cleaning, battery changing etc.

# Installation

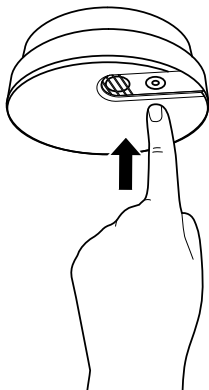
## Installation procedure

- 1 Select a location complying with the advice in the Location and positioning section.
- 2 Remove the mounting bracket from the smoke alarm by twisting it in an anti-clockwise direction, see Figure 6.
- 3 Place the mounting bracket on the ceiling exactly where you want to mount the smoke alarm. With a pencil, mark the location of the two screw holes.
- 4 Taking care to avoid any electrical wiring in the ceiling, drill holes using a 5.0 mm drill bit through the center of the marked locations. Push the plastic screw anchors provided into the drilled holes. Make sure the flat side of the bracket is flush with mounting surface, then screw the mounting bracket to the ceiling.
- 5 Connect the supplied battery to the battery snaps as shown in the **Quick start guide** on page 5. Verify that the horn and LED on the cover illuminate as indicated in the table on the **Indication summary** on page 4.
- 6 Place the smoke alarm unit on top of the mounting bracket and twist it clockwise to attach it. Install all the other alarms similarly.
- 7 Press the test button on each smoke alarm to ensure that the smoke alarm unit works, see Figure 7.
- 8 If you are using a supplementary Visit receiver, also make sure that it lights up a fire symbol in red and alerts with sound, flash or vibration (depending on the type of Visit receiver you are using). For more information, see the **Quick start guide** on page 5 and the Visit receiver user manual.



**Figure 6**

Rotate the unit anti-clockwise.



**Figure 7**

# Hush mode

The smoke alarms have a combined test/hush button to help you control nuisance/ false alarms. It is recommended for caravans, workshops, near kitchens and bathrooms - area where local conditions may cause false alarm.

If, when the alarm sounds, even there is no sign of smoke or noise to indicate that there is a fire, it should be assumed that it is due to an actual fire and the dwelling should be evacuated immediately.

Check the house carefully in case there is a small fire smoldering somewhere.

Check whether there is some source of smoke or fumes, for example cooking fumes being drawn past the smoke alarm by an extractor.

If there are frequent nuisance/false alarms it may be necessary to re-locate the smoke alarm away from the source of the fumes.

- 1 To cancel a false alarm from a smoke alarm, press the test/hush button (the smoke alarm will automatically switch to a reduced sensitivity condition). The smoke alarms will be silenced for a period of approximately 10 minutes.
- 2 The smoke alarm will reset to normal sensitivity at the end of the silenced period (10 minutes). If additional silenced time is required, simply push the test/hush button again and the 10 minutes hush function will be re-started.
- 3 While in the Hush mode, the smoke alarm will still be in detection mode but the sensitivity is reduced. If the density of smoke increased, the unit will automatically bypass the Hush mode and the alarm will sound.
- 4 After installation & testing, the smoke alarm may go into the Hush mode. The unit will automatically switch to the normal detection mode after 10 minutes.

# Test and maintenance

Your smoke alarm is a life saving device and should be checked periodically. Regularly check that the red light on the smoke alarm blinks approximately every 45s to show the units are powered. Replace the battery if there is a beep while blinking.

## Manually testing your smoke alarms

It is recommended that you test your smoke alarms after installation and then at least weekly to ensure the units are working. It will also help you and your family to become familiar with the sound of the alarms.

- Press and hold the test button approx. 5 seconds until the alarm sounds. The smoke alarm will alarm and blink continuously until the button released.
- If the smoke alarm has a wireless connection to a supplementary Visit receiver, check and make sure that also the Visit receiver reacts. See the **Quick start guide** on page 5 and the Visit receiver user manual.
- Release the test button. The smoke alarm and Visit receiver will stop the signaling within 40s.
- Repeat this procedure for all other smoke alarms in the system.

## **WARNING: Do not test with flame.**

This can set fire to the smoke alarm and damage the house. We do not recommend testing with smoke as the results can be misleading unless special apparatus is used.

When you press the test button it simulates the effect of smoke in a smoke alarm which it could experience in a real fire. So, there is no need to test smoke alarms with smoke or flame.

## Cleaning your smoke alarm

Clean your smoke alarm regularly. Use a soft bristle brush or the brush attachment of your vacuum cleaner to remove dust and cobwebs from the side slots where the smoke enters. To clean the cover, wipe with a damp cloth and dry thoroughly.

## **WARNING: Do not paint your smoke alarm.**

Other than the maintenance and cleaning described in this leaflet, no other customer servicing of this product is required. Repairs, when needed, must be performed by the manufacturer.

## **Dust and insect contamination**

All smoke alarms and particularly the optical (photoelectric) type are prone to dust and insect ingress which can cause false alarms.

The latest design, materials and manufacturing techniques have been used in the construction of this Bellman & Symfon smoke alarm to minimize the effects of contamination. However it is impossible to completely eliminate the effect of dust and insect contamination, and therefore, to prolong the life of the smoke alarm you must ensure that it is kept clean so that excess dust does not build up. Any insects or cobwebs in the vicinity of the smoke alarm should be promptly removed.

In certain circumstances even with regular cleaning, contamination can build up in the smoke sensing chamber causing the smoke alarm to sound. If this happens the smoke alarm must be returned for servicing or replacement. Contamination is beyond our control; it is totally unpredictable and is considered normal wear and tear. For this reason, contamination is not covered by the warranty and a charge is made for all such servicing work.

## **End of life**

The entire smoke alarm must be replaced if:

- The unit is installed for over 10 years

Before the smoke alarm is safely discarded, remove it from the mounting plate, and disconnect the battery. To protect our environment, batteries shall be disposed in a safe and environmentally sound manner at your local recycle centre.

## **Do not put the smoke alarm into a fire**

The smoke alarm should be disposed in a safe and environmentally sound manner at your local recycle centre. Contact your local authority for further advice.

# Power supply monitoring

## **What to do when an alarm is beeping:**

If a smoke alarm is beeping about every 45s with the red light blinking at the same time, replace the battery.

## **Battery replacement**

When the battery power is low and replacement is necessary, a warning signal will be given - the smoke alarm will “beep” and the red light will blink at the same time about once per 45 seconds for up to 30 days. The battery must be replaced immediately when the low battery warning signal starts. Also, replace the battery if the alarm does not sound when the test button is pressed. For maximum reliability, replace the battery at least once a year. When you replace the battery you must press the test button to check that the smoke alarm is functioning correctly.

## **Battery specification**

Voltage: DC 9V (Alkaline, Lithium battery)

Battery model: Duracell #MN1604, Gold Peak #1604A, Energizer #522, Ultralife U9VL-J-P.

## **WARNING!**

CONSTANT EXPOSURES TO HIGH OR LOW TEMPERATURES OR HIGH HUMIDITY MAY REDUCE BATTERY LIFE.

Use only batteries specified in the user manual. Use of a different battery may have a detrimental effect on smoke alarm operation. Prolonged periods of alarm will also reduce battery life.



# Fire safety advice

When using household protective devices, basic safety precautions should always be followed, including those listed below.

- Please read all instructions.
- Rehearse emergency escape plans so everyone at home knows what to do in case the alarm sounds.
- Use the smoke alarm test button to familiarize your family with the alarm sound and to practice fire drills regularly with all family members. Draw up a floor plan that will show each member at least 2 escape routes from each room in the house. Children tend to hide when they don't know what to do. Teach children how to escape, open windows, and use roll up fire ladders and stools without adult help. Make sure they know what to do if the alarm goes off.
- Constant exposures to high or low temperatures or high humidity may reduce battery life.
- Nuisance alarms can be quickly silenced by fanning vigorously with a newspaper or similar to remove the smoke or press the test/hush button.
- Do not attempt to remove, recharge or burn the battery, as it may explode.
- If it is necessary to remove the battery for separate disposal, handle carefully to avoid possible eye damage or skin irritation if battery has leaked or corroded.
- To maintain sensitivity to smoke, do not paint or cover the smoke alarm in any manner; do not permit any accumulation of cobwebs, dust or grease.
- If the smoke alarm has been damaged in any way or does not function properly, do not attempt a repair. Get your smoke alarm serviced, see the Service and support section.
- This appliance is intended ONLY for premises having a residential type environment.
- This is not a portable product. It must be mounted following the instructions in this leaflet.
- Smoke alarms are not a substitute for insurance. The supplier or manufacturer is not your insurer.

## Fire safety hints

- Store petrol and other flammable materials in proper containers.
- Discard oily or flammable rags.
- Always use a metal fireplace screen and have chimneys cleaned regularly.
- Replace worn or damaged sockets, switches, home wiring and cracked or frayed electrical cords and plugs.

- Do not overload electrical circuits.
- Keep matches away from children.
- Never smoke in bed. In rooms where you do smoke, always check under cushions for smoldering cigarettes and ashes.
- Service central heating systems regularly.
- Be sure all electrical appliances and tools have a recognized approval label.

This device cannot protect all persons at all times. It may not protect against the three most common causes of fatal fires:

- 1 Smoking in bed.
- 2 Leaving children at home alone.
- 3 Cleaning with flammable liquids, such as petrol.

Further information can be obtained from the fire department.

### Planning your escape route for when the alarms sound

- 1 Check room doors for heat or smoke. Do not open a hot door. Use an alternate escape route. Close doors behind you as you leave.



- 2 If smoke is heavy, crawl out, staying close to floor. Take short breaths, if possible, through a wet cloth or hold your breath. More people die from smoke inhalation than from flames.



- 3 Get out as fast as you can. Do not stop for packing. Have a prearranged meeting place outside for all family members. Check everybody is there.



- 4 Call the fire brigade from a neighbor's house or mobile phone. Remember to give your name and address.



- 5 **NEVER** re-enter a burning house.



# Alarm limitations

## Limitations of smoke alarms

Smoke alarm are designed to provide the earliest possible warning of a fire, and can provide valuable time to escape.

They do, however, have limitations.

- They will not work without power, i.e. if the alarm does not contain a battery, the wrong type of battery has been used, the battery has been installed incorrectly, or the battery is simply dead, the smoke alarm will not function.
- The alarm will only sound once smoke has entered the sensing chamber. Anything that prevents smoke reaching the detector may delay or prevent the alarm from sounding. Smoke from fires in chimneys or walls, on roofs or the other side of closed doors may not be detected unless a significant amount of smoke reaches the alarm. Smoke alarm should therefore be installed in every room or at least on every floor of your home.
- Smoke alarms cannot always be heard. Smoke alarms sounding the other side of a closed door or on another floor may not wake a sound sleeper, and may not be heard over other noise, such as traffic, the TV or radio. Smoke alarms may not be heard by persons who are hard of hearing.
- Smoke alarms have a limited life. The manufacturer recommends that the alarm should not be used for more than 10 years.
- This smoke alarm is not a substitute for personal or property insurance. Appropriate insurance cover is your responsibility. Please consult your insurance agent.

# RF module features

This smoke alarm is equipped with an RF module that transmits radio signals to one or several supplementary Visit receivers. A Visit receiver will help to ensure that the alarm is noticed throughout the property. The alert and signal pattern for the Visit receiver is found in the product's user manual.

## **Radio channel / Radio key**

The smoke alarm transmitter BE1287 transmits on a fixed radio channel. No matter what channel / radio key a Visit receiver is programmed to, it will response to a signal from smoke alarm as long as they are within the transmission range.

## **Radio range**

The operation range between the smoke alarm and receiver is approx. 80m but is influenced by the thickness of the walls and the wall materials in the house/apartment. Thick concrete and metal walls limit the range. Check that the receiver responds to the smoke alarm signal everywhere in the house/apartment. The bedroom is of most importance.

- Place the Visit receiver where it can be best recognized (for example in the bedroom).
- Press the Test button on the smoke alarm.
- If the operating range is sufficient, the Visit receiver shall now indicate Fire.

The range is also limited when the battery is low.

# Troubleshooting

Most problems with the smoke alarm can be solved quickly by following the advice in this chapter. For additional information, visit our webpage.

If	Try this
The alarm sounds for no apparent reason	<ul style="list-style-type: none"><li>▪ Check for fumes, steam, etc. from the kitchen or bathroom. Paint and other fumes can cause nuisance alarms.</li><li>▪ Check for signs of contamination such as cobwebs or dust. If necessary, clean the smoke alarm as described in the section <b>Test and maintenance</b>.</li><li>▪ Press the test/hush button on the smoke alarm – this will silence the smoke alarm for 10 minutes.</li></ul>
The alarm fails to sound when the test button is pressed	<ul style="list-style-type: none"><li>▪ Check the age of the unit – see the <b>Replace by</b> label on the side of the unit.</li><li>▪ Check that the battery snaps are firmly connected on the 9V replaceable battery.</li></ul>
The smoke alarm indicates 1 beep and 1 blink around every 45sec	<ul style="list-style-type: none"><li>▪ Replace the battery.</li></ul>
The smoke alarm indicates 1 beep around every 45s but without LED blinking	<ul style="list-style-type: none"><li>▪ Please contact your local distributor for service / replacement.</li></ul>

# Technical specifications

Power supply	DC 9V battery (replaceable)
Test/hush button	Silences smoke alarm for 10 minutes
Sensor type	Optical
Operating temperature	0°C to 45°C (32°F to 113°F)
Maximum relative humidity	90%
Audible alarm	85dB(A) at 3m (10ft)
RF interconnect	RF module, separate PCB mounted in the detector
Radio frequency	433.92 MHz
Radio coverage	~80 m in open area
Dimensions	105 mm x 36mm
Weight	103g (without battery) / 138 g (with battery)
Standard:	Smoke alarm: AS3786 -1993 RF: AS/NZS4268

## Service and support

If your smoke alarm fails to work after you have read and followed all the Instructions, please contact the local distributor of Bellman & Symfon. Put the smoke alarm in a padded box with the battery disconnected and state the nature of the fault, together with the purchasing proof, and please return to your country's address as below:

### **WORD OF MOUTH TECHNOLOGY**

PO Box 1001, Croydon, Vic 3136,  
Australia

Tel: 03 9723 0660 Email: [info@wom.com.au](mailto:info@wom.com.au)

### **REID TECHNOLOGY LTD**

Unit D, 15 Saturn Place, North Harbour,  
Auckland 0632, New Zealand

Tel: 09 489 8100 Email: [sales@reidtechnology.co.nz](mailto:sales@reidtechnology.co.nz)

# Warranty conditions

Bellman & Symfon guarantees this smoke alarm (excluding the battery) for two (2) years from date of purchase against any defects that are due to faulty materials or workmanship. This guarantee only applies to normal conditions of use and service, and does not include damage resulting from accident, neglect, misuse, unauthorized dismantling, or contamination howsoever caused. This guarantee excludes incidental and consequential damage. Further the warranty does not cover Acts of God, such as fire, flood, hurricanes and tornadoes. If this smoke alarm should become defective within the guarantee period, it must be returned to Bellman & Symfon, with proof of purchase, carefully packaged, with the problem clearly stated. We shall at our discretion repair or replace the faulty unit.

Bellman & Symfon shall not be liable for any incidental or consequential damages caused by the breach of any express or implied warranty. Any implied warranty of merchantability or fitness for purposes is limited to the duration of the above warranty period. This warranty gives you specific legal rights and you may also have other rights that vary from state to state. Some states or jurisdictions do not allow the limitation or exclusion of incidental or consequential damages, or limitations on how long an implied warranty last so the above limitation may not apply to you.

Do not interfere with the smoke alarm or attempt to tamper with it. This will invalidate the guarantee, but more importantly may expose the user to shock or fire hazards. This guarantee is in addition to your statutory rights as a consumer.

Bellman & Symfon makes no warranty, expressed or implied, written or oral, including that of merchantability or fitness for any particular purpose, with respect to the battery. The above warranty may not be altered except in writing signed by both parties hereto.

# DESIGN FOR EARS™

