

SMOKE ALARM USER MANUAL

MODEL NUMBER: EP-RANG-RF-10

Thank you for choosing this smoke alarm. Please take a few minutes to read the users manual thoroughly and familiarise yourself and your family with its operation, and save it for future reference.

This unit has been designed to meet the latest safety standards demanded in Australia and complies with the requirements of AS3786:2014.

POWER:	built-in DC3V (CR17450) 10 years Lithium battery (non-replaceable battery)
OPERATION CURRENT	≤8uA (standby), ≤60mA (alarm)
BATTERY LIFETIME:	10 years
ALARM VOLUME:	>85dB (A) at 3 meters
ALARM SENSITIVITY:	0.1-0.16dB/m
HUSH/SILENCE TIME:	approx. 8 minutes
INTERCONNECTION:	up to 40 Smoke Alarm/s, wireless
COMPLY WITH:	AS3786:2014
SOUND PATTERN:	ISO8201 (BI 0.5s - pause 0.5s - BI 0.5s - pause 0.5s - BI 0.5s - pause 1.5s, with the red LED flash, repeat this alarm pattern)
WIRELESS INTERCONNECTION ALARM SOUND PATTERN:	BI - BI - pause 0.5s, BI - BI - pause 0.5s, BI - BI - pause 1.5s, without the red LED flash, repeat this alarm pattern



DESCRIPTION

The unit is a photoelectric smoke alarm device. It is particularly sensitive for detecting visible micro-particles (associated with smoldering fires) and reacts faster than ionization alarms.

An example of such smoldering fires is a cigarette burning in a couch or bedding, a common cause of devastating blazes.

Please note this device does not detect flames, heat, carbon monoxide or other hazardous gases. It has many advanced features and an extended operational life with the included battery.

Australian State Based Smoke Alarm Regulations/Recommendations

NSW
fire.nsw.gov.au/page.php?id=80

QLD
www.qfes.qld.gov.au/community-safety/smokealarms

SA
mfs.sa.gov.au/site/community_safety/home_fire_and_life_safety_information_sheets_domestic/smoke_alarms_what_you_need_to_know.jsp

WA
dfes.wa.gov.au/safetyinformation/fire/fireinthehome/FireintheHomeManualsGuidelines/DFES_FireintheHome-SmokeAlarm-Legislative-Requirements-LAWS.pdf

TAS
tfseducation.com.au/resources/publications

ACT
esa.act.gov.au/community-information/home-fire-safety/smoke-alarms/

NT
<https://nt.gov.au/emergency/community-safety/fire-safety-at-home/smoke-alarms>

INSTALLATION POSITIONING ADVICE

When mounting an alarm on the ceiling, locate it a minimum of 30cm from the side wall (see Diagram 2).

- Put Smoke Alarm/s at both ends of a bedroom hallway or large room if larger than 10m long.
- Install Smoke Alarm/s on slopped, peaked or cathedral ceilings between 50cm and 250cm from the highest point of the ceiling (See Diagram 3).

LOCATIONS TO AVOID

- 1: Don't place Alarms in bathrooms, Kitchens, Garages or other rooms where the Alarm may be triggered by steam, condensation and normal smoke/heat from appliances.
- 2: In areas with high humidity, like bathrooms or areas near dishwashers or washing machines, install at least 3m away from these areas.
- 3: Near air returns or heating and cooling supply vents, install at least 1m away from these areas. The air could blow smoke away from the detector, interrupting its alarm.
- 4: In rooms where temperature may fall below 0°C or rise above 40°C (due to nuisance/false alarm activation).
- 5: In extremely dusty, dirty, or insect infested areas where particles may interfere/obstruct with Alarm operation.
- 6: Away from air conditioning or ventilation grilles/louvres.

ACTIVATION

Press test button and hold it for above 3 seconds until LED lights, and release it within 2 seconds, the unit will generate a "beep" indicates that it is activated and goes into work status.

HOW TO DEACTIVATE THE SMOKE ALARM

Press the test button six times within three seconds, then the LED light will stay on for about 4 seconds. After 4 seconds, the product will flash quickly. During the rapid flashing of the product, press the test button six times again, the product will beep with a sound indicating that the product is no longer active. There will be no alarm functions while in this status. You must reactivate the alarm before use. Please refer to the chapter "ACTIVATION" to activate the product.

NOTE: Deactivating this alarm should only be performed if you need to dispose of the smoke alarm or if you need to cease a nuisance alarm which is caused by a failure of the smoke alarm.

WIRELESS INTERCONNECTING FUNCTION

- 1: Ensure product activation is complete.
- 2: Select one smoke alarm as the MASTER unit. Treat all other units as SLAVE units.
- 3: Press the test button on the MASTER unit three times within two seconds, and the red LED will flash quickly. The unit is now in 'Interconnection' mode. This mode will last for 90 seconds.
- 4: While the MASTER unit is in 'Interconnection' mode, press the test button on any SLAVE unit three times within two seconds. The SLAVE unit learns this signal and completes the pairing after a "beep" sound and a light flashes once.
- 5: Repeat the above steps on all other SLAVE units.

Clear wireless connection function

Press the test button on any SLAVE unit three times within two seconds, the red LED will flash quickly, then press and hold the test button again until the red light goes out the first time and release the button immediately, the red LED will flash slowly, at this time, press the test button again, the SLAVE unit will beep 3 times, which means that the SLAVE unit clears wireless connected successfully.

CAUTION:

The alarm MUST be activated first to enable wireless connectivity. The smoke alarm is designed to be wirelessly interlinked with up to 40 products.

They are not designed to communicate with wireless alarms from other ranges or manufacturers. These alarms need to be interlinked in order to communicate with each other. If one alarm activates, all other interlinked alarms will also sound.

Only successful interconnection units can clear the radio signal. Clearing the radio signal only removes the radio signal from the slave unit. The MASTER unit can not clear the radio signal.

DIAGRAM 1
MULTIPLE FLOOR PLAN

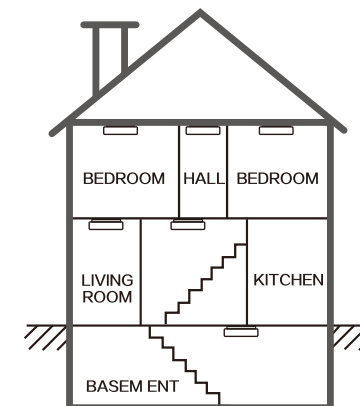


DIAGRAM 2
CEILING PLACEMENT

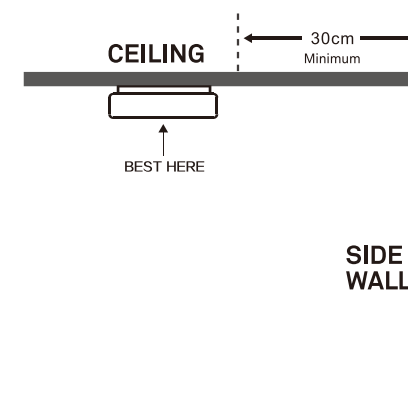
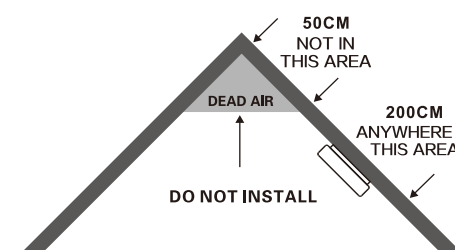


DIAGRAM 3
PEAK CEILING PLACEMENT

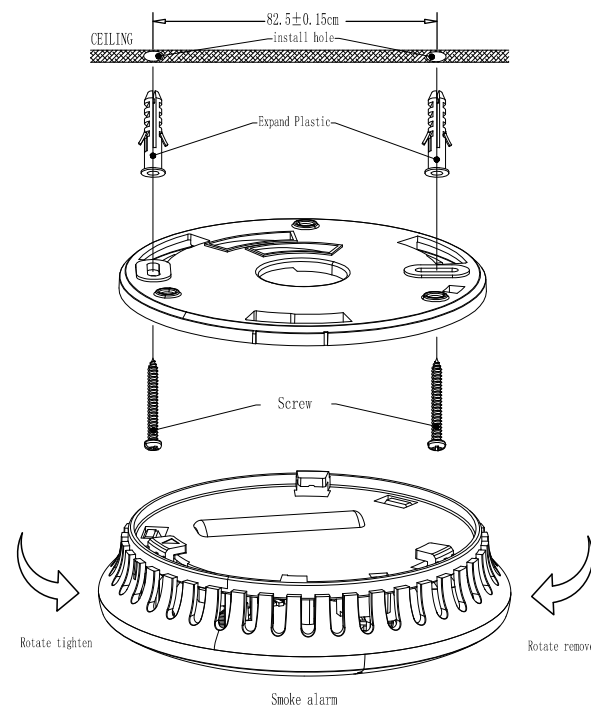


INSTALLATION

WARNING:

This smoke alarm is not suitable for wall (vertical) mounting.

DIAGRAM 4
Installation Sketch Map



Fault indication

The alarm chirp occurs every 48 seconds.

Alarm silence

When the unit is alarming, push the test button, it will pause the unit alarming for approx 8 minutes. The red LED will flash once every 8 seconds, indicating the smoke alarm device is running into the silence mode.

If your smoke alarm emits the full alarm signal and you are not testing the unit, the smoke alarm is warning you of a potentially dangerous situation that requires your immediate attention. Only use the alarm silence function after making sure that there is no ongoing fire emergency situation. Do not block the vents on the alarm or disable the smoke alarm in any way, as this will remove your protection. Smoke alarms can sometimes react to cooking fumes or other non emergency situations. In the event of a known false alarm your smoke alarm can be temporarily silenced by pressing the test button. Your alarm will automatically return to full sensitivity within 8 minutes.

NOTE:

- 1: Press and release the silence button, the alarm sound will stop.
- 2: Your alarm will silence and enter into a reduced sensitivity reset cycle for approximately 8 minutes.
- 3: During the reduced sensitivity reset cycle, the red LED will flash once every 8 seconds.
- 4: Your alarm will automatically return to full sensitivity on completion of the reset cycle and the red LED will revert to flashing once every 48 seconds.

DANGER: Never ignore any alarm. Ignoring the alarm may result in injury or death. If your smoke alarm activates and alarms and you are not absolutely certain of the source of the smoke, get everyone out of the house immediately.

WHAT TO DO IN CASE OF A FIRE IN YOUR HOME

- 1: Do not panic, and stay calm.
- 2: Alert small children in the home.
- 3: Leave immediately by your escape plan. Every second counts, so don't waste time getting dressed or picking up valuables.
- 4: When leaving, don't open any inside doors without first feeling its surface. If hot, or if you see smoke seeping through the cracks don't open that door! Instead, use your alternate exit. If the inside of the door is cool, place your shoulder against it, open it slightly and be ready to slam it shut if heat and smoke rush in.
- 5: If the air is smoky, stay close to the floor. Breathe shallowly through a cloth, wet if possible.
- 6: Once outside, go to your selected meeting place and make sure everyone is there.
- 7: Call the fire department from your neighbor's home -not from yours!
- 8: Don't return to your home until the fire officials say that it is all right to do so.

ROUTINE MAINTENANCE

- 1: In addition to weekly testing, the alarm requires cleaning at least once a month to remove dust, dirt, or debris.
- 2: Use a vacuum cleaner with the soft brush, vacuum all sides and covers of smoke alarm device.
- 3: This alarm has a low battery monitor which will cause the alarm to "chirp" approx every 48 seconds and the red LED light flashes once at the same time, for a minimum of thirty days when the battery gets low.
- 4: If there is a defective battery or other failures, you can refer to "Trouble shooting" for solution. If there are still failures during warranty, you can return it to your retailer.

IMPORTANT: Do not attempt to remove the cover to clean inside. This will affect warranty.

Cautions

- 1: Photoelectric smoke detectors can reduce the likelihood of a disaster, but they cannot guarantee a 100% safety.
- 2: To ensure your maximum security, please install all smoke detectors exactly according to this manual.
- 3: Keep the detectors clean. Do not allow dust to accumulate and test them at least once a week.
- 4: If they are not working properly, replacing them immediately.

WARRANTY INFORMATION

Emerald Alarms Pty Ltd warrants this smoke alarm to the original purchaser.

Emerald Alarms Pty Ltd warrants each new smoke alarm is free from defects in material and workmanship under normal use and service for a period of 7 years from the date of purchase.

This warranty does not cover damage resulting from accident, misuse or abuse or lack of reasonable care of the product.

In no case shall Emerald Alarms Pty Ltd be liable for any incidental or consequential damages for breach of this or any other warranty express or implied whatsoever. Faulty product can be mailed to the following address with a detailed explanation of problem.

Emerald Alarms Pty Ltd

ABN 50 632 601 453
2/29 Mitchell Rd Brookvale NSW 2100

TROUBLE SHOOTING

Problem	Method of disposal
Smoke alarm device does not sound when tested.	<ol style="list-style-type: none"> 1. Must activate alarm before installation. 2. Clean smoke alarm device, Please refer to the "maintenance and cleaning" section. 3. If there are still failures during warranty, you can return to your retailer. 4. If the unit is out of warranty, please replace with a new alarm.
The alarm "chirp" with red LED flashes once every 48 seconds.	If the battery is under low battery status, please replace the smoke alarm device.
Smoke alarm device chirp occurs every 48 seconds (alarm goes into fault mode).	Clean smoke alarm device. Please refer to the "maintenance and cleaning" section. Purchase and change to another smoke alarm device if the problem still exists.
Smoke alarm device sounds unwanted alarms intermittently or when residents are cooking, taking showers, etc.	<ol style="list-style-type: none"> 1. Press test button to pause alarm. 2. Clean smoke alarm device. Please refer to the "maintenance and cleaning" section. 3. Move smoke alarm device to new location and press test button.
The alarm sounds different from it is used to. It starts and stops.	<ol style="list-style-type: none"> 1. Clean smoke alarm device. Please refer to the "maintenance and cleaning" section. 2. If there are still failures during warranty, you can return to your retailer. 3. If the unit is out of warranty, please replace another new alarm.