



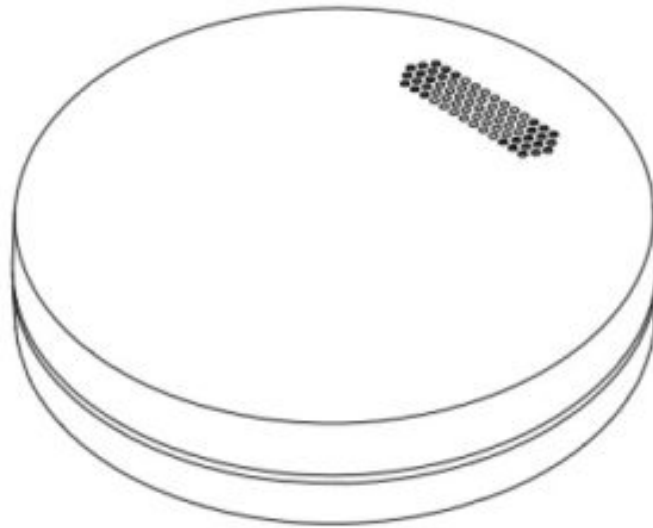
# CPVAN SM11R Interlinked Smoke Alarm/Detector User Guide

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# CPVAN SM11R Interlinked Smoke Alarm/Detector User Guide



## SM11R/02-2021/V01

Thank you for purchasing our wireless interlinked smoke alarm device. Please read this manual carefully to ensure proper use and store it in a safe place for future reference.

### Product Specifications

Power: DC 2\*1.5V AA Alkaline or Carbon Zinc battery

Battery Package: Alkaline (LR6 MN1500) or Carbon Zinc battery (R6P)

Operation Current: <30uA (standby); <70mA (alarm)

Alarm Volume: >85 dB(A) at 3 meters

Alarm Sensitivity: 0.09 – 0.17 dB/m

Low Battery:  $2.6 \pm 0.1$  V

Silence Time: approx. 10 minutes

Frequency : 433.92MHz or 868MHz Customized

Working distance : Up to 100m (Outdoor open)

Interlinked devices: : Max 30pcs per group

Source/Master smoke alarm sound pattern: 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.

Slave smoke alarm sound pattern: BI 0.1s – pause 0.1s with the red LED flash and sound, repeat this alarm pattern.

Comply to Standard EN14604:2005/AC:2008

### Packing List

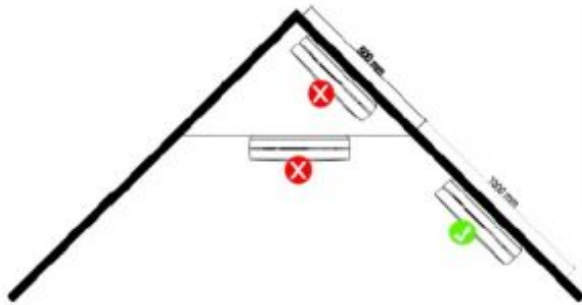
- 1 × Photoelectric smoke alarm
- 1 × Mounting bracket
- 1 × Screw Kit
- 1 × User manual

### Installation Instructions

#### Where to install

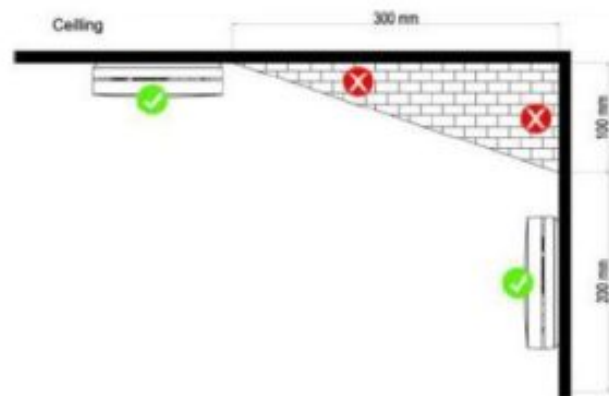
1. At first you should install an alarm in the bedroom and walkway. If there are several bedrooms in the house, please install an alarm in every bedroom.

2. Install an alarm above the stairway and on every floor of the house.
3. Smoke, heat and burning things will spread horizontally after rising to the ceiling, so install the alarm in middle of the ceiling.
4. If the alarm can not be installed in the middle of the ceiling, install it keeping 300mm away from the corners .  
(see the figure1)



**Figure 1**

5. If the alarm is installed in the wall, it should keep 100mm away from the ceiling.
6. If the length of the room or the hall is beyond 30 foot, you need to install several alarms there.
7. When the wall or ceiling is slanting, the alarm needs to be installed minimum 500mm away from the highest



wall or ceiling point in the room (see the figure 2).

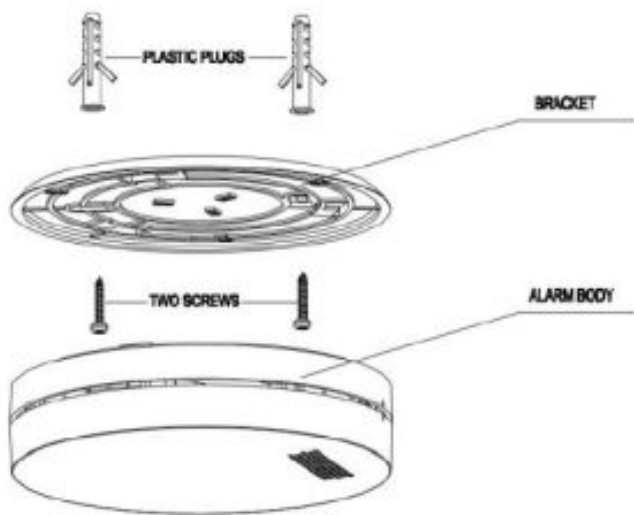
**Figure 2**

## Locations to Avoid

1. High-humidity areas such as kitchens, and bathrooms;
2. Next to air outlets, fans and central heating;
3. Dusty, dirty areas or areas with insects;
4. High-temperature and easily polluted places;
5. Places with difficult access, making it difficult to operate the test function;
6. Within 1.5m from lamps;
7. Next to doors or windows;
8. In the top of rooms with sloping roofs, the corner of the room or other dead-air spaces.



**WARNING:** The installation instructions must be followed strictly in case of any injury.



**Figure 3**

## Test your Alarm

Test the unit to ensure proper operation by pressing the cover, the alarm will sound if the unit are working well. If no sounds, you can refer to “Trouble shooting” section for solution.



### **CAUTION:**

1. DO NOT test your alarm using an open flame. This may damage the smoke alarm, or ignite combustible materials and start a structural fire.
2. DO NOT stand close to the alarm when the alarm is sounding. Exposure at close range may be harmful to your hearing, so step away when testing.
3. Weekly Test: test this smoke alarm once a week.

## LED Indicators

1. Normal status: Red LED Flashes once every 60 seconds.
2. Test status: Red LED flashes once every second.
3. Hush/Silence mode: Red LED flashes once every 8 seconds.
4. Low Battery status: Red LED flashes once every 60 seconds and 1 beep every 60 seconds.
5. Fault status: the alarm will deliver beeps every 40 seconds.

## Silence Mode

During the unit is alarming, you can push the test button, it will be paused the unit alarming for approx 10 minutes. The red LED will flash once every 8 seconds, it indicates the smoke alarm device is running into the silence mode. The silence feature is to be used only when a known alarm condition, such as smoke from cooking activates the alarm. The smoke alarm device will automatically reset after approximately 10 minutes, if after this period, particles of combustion are still present, the alarm will sound again.



## **CAUTION:**

Before using the alarm silence (silence), identify the source of the smoke and be certain a safe condition exists.

### **Interlinked smoke detector**

Radio-interlinked smoke detectors are interlinked through radio-frequency signals. If one smoke alarm detects fire, all alarms go off. In the case of the battery operated radio-interlinked smoke alarms, no wiring is required at all.

### **How to create the interlinked network**

Step 1: Press the test/silence button on one of these smoke alarms 4 times, and the green LED will rapidly flash continuously, indicating it has entered the transmitting mode (valid time: 60 seconds) .

Step 2: Press the test/silence button on the other smoke alarms twice, and the green LED will slowly flash continuously, indicating it has entered the receiving mode.

—If pairing is successful: The green LED of these alarms will stop flashing.

—When it is failure: The green light will continue to flash for 60 seconds, and then the red light will stay on for 2 seconds.

### **How to disabling the interconnect function**

Press the test/silence button on the smoke alarms twice and the green LED will slowly flash continuously still 60 seconds, then ignore it and it will automatic despairing.

### **How to silence the alarms in network when alarm**

If the smoke alarm detects fire, the device will goes into Source/Master smoke alarm sound pattern alarmed, and emits the alarm signal;

When other alarm devices received alarm signal, they will goes into Slave smoke alarm sound pattern, until the Source/Master alarm device stopped alarm;

During the unit is alarming, you can find out the Source/Master smoke alarm , press the Test/Silence button to pause all other interconnected alarms.

### **Maintenance and Cleaning**

There are a few simple steps you need do to keep it working properly.

1. Test the alarm once a week.
2. Do not paint the alarm. Paint will seal the vents and interfere with the sensor's ability to detect smoke.
3. Never attempt to disassemble the alarm to clean inside. This will damage the alarm.

Clean the alarm at least once a month to remove dust, dirt, or debris.

Use a vacuum cleaner with the soft brush, vacuum all sides and covers of smoke alarm device.

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 to your retailer.

### **Replaced Battery:**

1. The low battery signal can last for maximum 30 days, please replace the batteries in time to keep it working properly.
2. Battery required: standard 1.5V AA alkaline batteries.
3. Recommended battery brand: DURACELL ,Energizer,Golden Peak,GP, etc; if use low quality battery, it may cause the alarm work false or reduce service life .
4. Correctly install the poles of the battery.
5. Test your alarms before or after mounting it.

## Trouble Shooting

Problem	Method of disposal
The alarm does not sound when testing	<ol style="list-style-type: none"> <li>1. Please check whether the batteries be well assembled according to the Guide required</li> </ol>
Red LED flashes and the alarm delivers one beep every 60 seconds	<ol style="list-style-type: none"> <li>1. The battery is low. Please replace the batteries as soon as possible.</li> </ol>
The alarm delivers one beep every 40 seconds	<ol style="list-style-type: none"> <li>1. clean the alarm. please refer to the “maintenance and cleaning” section.</li> <li>2. The alarm is malfunctioning. Contact the retailer to replace it.</li> </ol>
Nuisance alarms triggered intermittently or when residents are cooking, taking	<ol style="list-style-type: none"> <li>1. Press silence button.</li> <li>2. Clean the alarm. Please refer to the “maintenance and cleaning” section.</li> <li>3. Move the alarm to new location.</li> </ol>

## Warranty Information

This warranty shall not apply to the alarm if it has been damaged, modified, abused or altered after the date of purchase or if it fails to operate due to improper maintenance.

The Manufacturer shall have no liability for any personal injury, property damage or any special, incidental, contingent or consequential damage of any kind resulting from gas leakage, smoke, fire or explosion.

## Documents / Resources

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