

Model: DVM-SA30IR

Thank you for purchasing our smoke detector. Take a few minutes to read the user manual thoroughly and familiarize yourself and your family with how the smoke detector works. And save it for future reference.



1116  
DoP: RD-380D-HR-24-001  
EN 14604:2005/AC:2008

## PRODUCT SPECIFICATIONS

**Warranty period:** Lifetime = 10 years.

After that, the smoke detector must be replaced.

Look for the production date on the sticker of the detector.

**Power supply:** Fixed Lithium battery 3 VDC (CR17450), battery not interchangeable

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

**Alarm Sensitivity:** 0.10-0.16dB/m

**Alarm Pause:** About 8 minutes

**Complies With:** EN14604:2005/AC: 2008

**Sound Pattern:** ISO8201 (Beep 0.5s – Pause 0.5s – Beep 0.5s – Pause 0.5s – Beep 0.5s – Pause 1.5s while the red LED flashes. This pattern is repeated over and over again.

**Sound pattern of the wireless interconnection:** Beep-Beep – Pause 1.2s. This pattern is repeated over and over again.

## DESCRIPTION

This is an optical smoke detector. These are particularly sensitive to detecting visible microparticles (which arise from smoldering fires) and react faster than ionization smoke detectors. An example of such smoldering fires is a burning cigarette on a couch or bed, a common cause of devastating fires. Please note that this device does not detect flames, temperature/heat, carbon monoxide or other dangerous gases. The smoke detector has many advanced features and a long service life with the fixed battery.

## RECOMMENDED LOCATIONS FOR SMOKE DETECTORS

1. Your smoke detector is suitable for the landing, hall, bedroom, living room and dining room.
  2. Install it in the stairwell and on each floor.
  3. Smoke, heat and burning things spread horizontally after rising to the ceiling, so install the alarm in the middle of the ceiling of a standard built house.
  4. If for some reason the alarm cannot be installed in the middle of the ceiling, the distance from the smoke detector to the wall should be at least 30 cm (see Figure 1).
  5. If the length of the room or hall is more than 10 meters, you need to install several alarms there.
  6. If the ceiling slopes, the smoke detector should be installed at least 50 cm from the highest ceiling point in the room (see Figure 2).
- Attention: This smoke detector is also suitable for installation in caravans, motor homes and mobile homes.

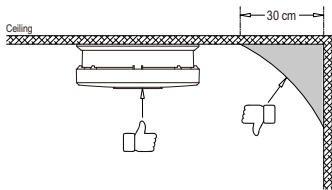


Figure 1

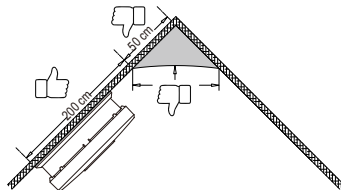


Figure 2

## LOCATIONS TO AVOID

1. Avoid the environment of appliances or places where normal combustion regularly takes place (such as in kitchens, near stoves, hot water boilers, etc.). Use specialized smoke detectors, such as temperature detectors, for these areas to prevent unwanted alarms.
2. Keep at least 3 meters away from rooms with high humidity, such as bathrooms or rooms near dishwashers or washing machines.
3. Keep a minimum distance of 1 meter from air vents or ventilation openings for heating and cooling. The air can blow away/suck away smoke from the detector, preventing the detector from sounding the alarm (in time).
4. Avoid areas where the temperature may fall below 5°C or above 40°C.
5. Avoid extremely dusty or dirty environments. The dust particles prevent the detector from functioning properly.
6. Also avoid the airflow of (loose) air conditioning units and fans.

## ACTIVATE:

Press and hold the test button for about 3 seconds until the LED lights up. Then release the test button within about 2 seconds. The smoke detector gives a beep signal to indicate that it is activated and enters the working state.

## WIRELESS INTERCONNECTION FUNCTION

1. Make sure all smoke detectors are activated.

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2. Select one of the smoke detectors as the MASTER detector. Treat all other smoke detectors as SLAVE detectors.
3. Press the master's test button three times within two seconds. The red LED flashes quickly. The MASTER smoke detector is now in transmit mode for the radio signal. This mode lasts 48 seconds.
4. While the MASTER smoke detector is in radio signal mode, press the test button of a SLAVE detector three times within two seconds. The SLAVE detector stores the signal from the MASTER detector and completes the pairing and gives a beep with flash as confirmation.
5. Repeat the above steps on all other SLAVE detectors.

## Clear wireless connection function

1. Determine which SLAVE detector should have the connection function cleared.
2. Press the test button of the SLAVE detector three times within two seconds. The red LED flashes quickly.
3. Press and hold the test button again until the red LED goes out the first time, then release the test button immediately. The red LED will flash slowly.
4. Now press the test button again. The SLAVE detector beeps three times, which means that the SLAVE detector has erased the wireless connection.

## ATTENTION:

The smoke detector must first be activated, otherwise it will not work. The smoke detector is designed to be wireless paired with up to 40 other smoke detectors.

The smoke detectors are not designed to be paired with wireless detectors from other series or manufacturers. The smoke detectors must first be connected to each other in order to work in a coupled manner.

If one detector goes into alarm, all other, interconnected detectors, also go into alarm. Only smoke detectors that are successfully linked can transmit the alarm. If you clear the pairing, only the slave detector pairing is removed. The MASTER detector cannot clear the link.

## INSTALLATION:

**WARNING:** To prevent injury, the smoke detector must be securely attached to the ceiling, as described below.

### Installation drawing

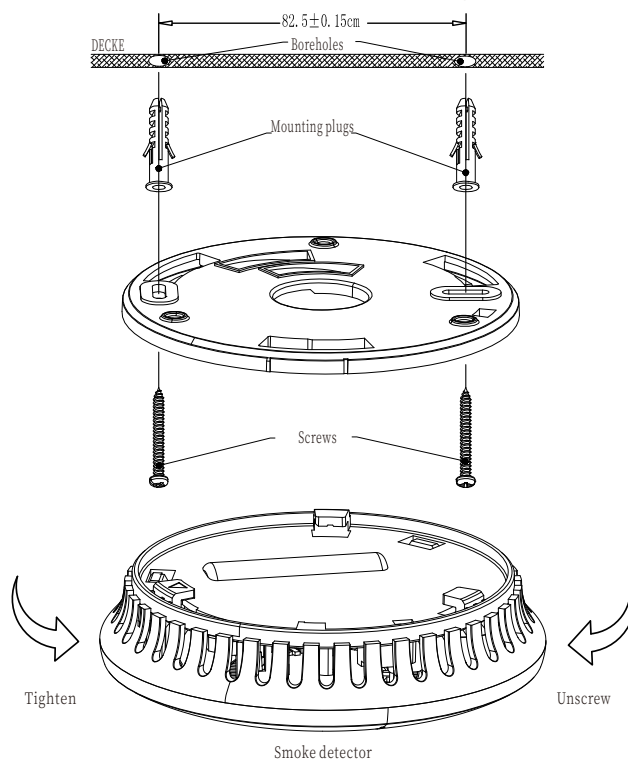


Figure 3

## OPERATION AND TESTING:

### Testing

Press the test button. If the detector works correctly, the alarm will go off. If the alarm does not go off, the battery is empty or the smoke detector is defective.

**DO NOT USE** an open flame to test your detector! You can use this to damage the detector or cause a fire.

**NOTE:** Test the smoke detector every week!

### Resting state:

The red LED flashes 1 time every 48 seconds to indicate that the smoke detector is active.

### Alarm state:

When the detector detects combustion products, it gives a sound alarm and the red LED flashes once every second. The sound alarm and the flashing LED continue until the air is clean again.

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### Low battery voltage:

**IMPORTANT:** For the smoke detector to function correctly, the battery voltage must be sufficient. If the battery voltage becomes too low, the detector will sound a beep every 48 seconds, with the LED flashing 1x. When you hear this, you should immediately install a new smoke detector.

The smoke detector will warn of a low battery voltage for at least 30 days.

If you do not install a new detector in time, the smoke detector may not receive enough voltage to alert you in a real fire situation.

### Fault notification:

The detector beeps every 48 seconds.

### Alarm pause

If the smoke detector is in alarm you can press the test button, the alarm signal (beeps) is then silent for about 8 minutes. The red LED continues to flash every 8 seconds, as an indication that the smoke detector is on Alarm pause.

If the smoke detector generates the complete alarm signal (beeps and flashing LED) and you are not testing the alarm, the smoke detector warns of a potentially dangerous situation that requires your immediate attention. Use the alarm break only after you have made sure that there is no persistent fire situation. Do not block the smoke detector vents or turn off the smoke detector in any way, as this will lift your protection.

Smoke detectors can sometimes respond to cooking fumes or other non-emergency situations. In the event of a known false alarm, your smoke detector can be temporarily switched off by pressing the test button. Your smoke detector automatically returns to full sensitivity within 8 minutes.

### NOTE:

1. Press and release the alarm pause button (reset button), the alarm signal stops.
2. The alarm stops and goes into a reset cycle with reduced sensitivity for about 8 minutes.
3. During the reset cycle with reduced sensitivity, the red LED flashes once every 8 seconds.
4. The smoke detector will automatically return to full sensitivity after completing the reset cycle and the red LED will flash again every 48 seconds.

**DANGER:** Never ignore an alarm. Ignoring the alarm can lead to injury or death. If your smoke alarm goes off and you're not entirely sure of the source of the smoke, make sure everyone leaves the house immediately.

## WHAT TO DO IN CASE OF A FIRE IN YOUR HOME

1. Don't panic and stay calm.
2. Alert your roommates and especially small children.
3. All leave your home immediately. Every second counts, so don't waste time getting dressed or picking up valuables.
4. Do not open any interior door without first feeling the surface. If the door is hot, or if you see smoke coming through the cracks, don't open that door! Choose another escape route, if necessary through a window to the outside (take into account how high above the ground that window is). If the door is cool, place your shoulder against it, open the door a little, and be ready to slam the door shut if heat and smoke come in.
5. If the air is smoky, stay close to the floor. Breathe shallowly through a cloth, wetting it if possible.
6. If you are outside, go to a place that has been agreed in advance with your housemates. Make sure everyone is present.
7. Call the fire department with your mobile phone or with the neighbor's phone. Under no circumstances do you go back to get your phone or other things.
8. Do not go back into your home until the fire department gives permission.

## REGULAR MAINTENANCE

**In addition to performing a monthly test**, the detector must be cleaned regularly to remove dust and stuck dirt.

Clean the detector at least once a month.

Use a vacuum cleaner with the soft brush, vacuum the entire outside of the smoke detector.

This smoke detector has a low-battery monitor that ensures that the detector beeps approximately every 48 seconds for at least 30 days and the red LED flashes at the same time when the battery is low.

If there is an empty or defective battery or other malfunctions, you can consult "TROUBLESHOOTING" for a solution. If there are still malfunctions and you are in the warranty period, you can send the smoke detector to your supplier.

**IMPORTANT:** Do not try to open the case to clean the inside. This can damage the measuring chamber and you lose the right to warranty.

### Warnings:

- Optical smoke detectors can reduce the risk of disaster, but they cannot guarantee 100% safety.
- To ensure your maximum safety, you should install all smoke detectors exactly according to this manual.
- Keep the smoke detectors clean. Make sure no dust accumulates and test at least once a week.
- Replace the smoke detectors immediately if they do not work properly.

## TROUBLE SHOOTING

Malfunction	Solution
Smoke detector does not go off during tests.	<ol style="list-style-type: none"> <li>1. You must activate the smoke detector for installation.</li> <li>2. Clean the smoke detector. See "REGULAR MAINTENANCE".</li> <li>3. If malfunctions occur during the warranty period, you can return the detector to your supplier.</li> <li>4. If the detector is no longer covered by the warranty, replace it with a new one.</li> </ol>
The smoke detector beeps approximately every 48 seconds while the red LED flashes once	The battery is low, replace the smoke detector.
Smoke alarm beeps approximately every 48 seconds (detector goes into interference mode)	<ol style="list-style-type: none"> <li>1. Clean the smoke detector. See "REGULAR MAINTENANCE".</li> <li>2. Buy a new smoke detector and replace the defective detector.</li> </ol>
Smoke detector occasionally makes alarm or makes alarm when cooking, showering, or something similar.	<ol style="list-style-type: none"> <li>1. Press the alarm pause button.</li> <li>2. Clean the smoke detector. See "REGULAR MAINTENANCE".</li> <li>3. Move the smoke detector to a different location and press the test button.</li> </ol>
The alarm sounds differently. It starts and stops again.	<ol style="list-style-type: none"> <li>1. Clean the smoke detector. See "REGULAR MAINTENANCE".</li> <li>2. If the malfunctions occur during the warranty period, you can return the detector to the supplier.</li> <li>3. If the malfunctions occur outside the warranty period, replace the detector with a new one.</li> </ol>

## WARRANTY INFORMATION

Guarantees from the producer to the end user (the consumer). The manufacturer guarantees that each new smoke detector under normal use and maintenance, for a period of 10 years from the date of manufacture, is free from defects in materials and workmanship. This warranty does not cover damage resulting from accident, misuse or lack of reasonable care for the product. The manufacturer is in no way liable for any incidental or consequential damages in the event of breach of this or any other warranty, express or implied, of any kind whatsoever. Defective products can be returned to the seller with a detailed description of the problem.



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Manufactured in China.