



Chung Mei Fire Fighting Supplier Co., Ltd

**Residential Photoelectric Smoke Detector**

-Serial Number-  
CM-RD998I、CM-RD998A

CM-RD998AI、CM-RD998AB、CM-RD998AIB

CM-RD998 series products

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**1. LOCATIONS TO INSTALL YOUR SMOKE DETECTORS**

For complete coverage in residential units, smoke detectors should be installed in all rooms, halls, storage areas, basements, and attics in each family living unit. Minimum coverage is one detector on each floor and one in each sleeping area.

**◎LOCATIONS TO INSTALL YOUR SMOKE DETECTORS IN MOBILE HOMES**

- Install a minimum of two detectors in any household, as shown in Figure 2.

- ◎ SMOKE DETECTORS FOR MINIMUM SECURITY
- ◎ SMOKE DETECTORS FOR MORE SECURITY

FIGURE 1

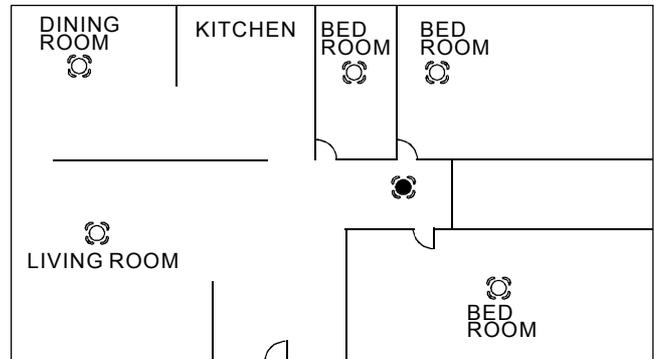
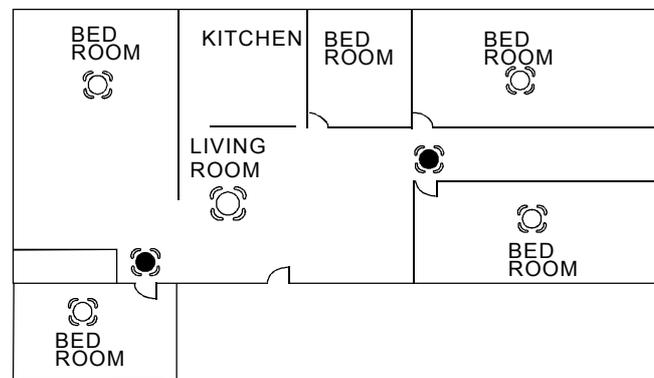


FIGURE 2



**◎ LOCATIONS FOR PLACING SMOKE DETECTORS FOR A MULTI-FLOOR RESIDENCE**

- If more than one sleeping area exits, install additional detectors in each sleeping area.
- Install additional detectors to monitor any stairway as stairways act like chimneys for smoke and heat.
- Install smoke detectors at both ends of a hallway if the hallway is more than 10 m long.

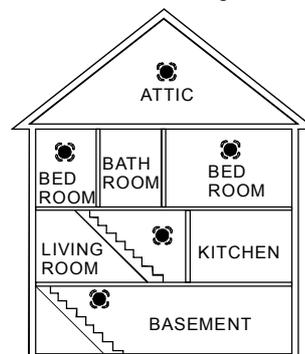
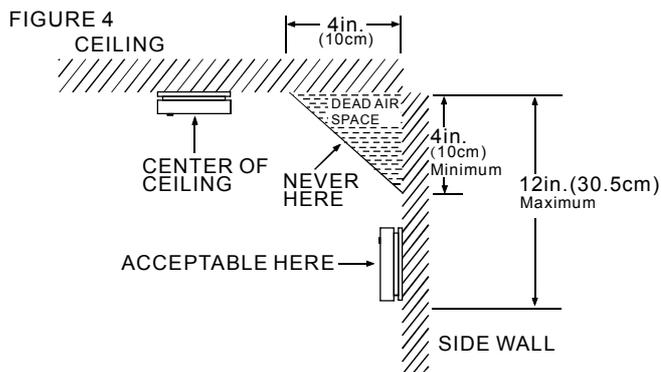


FIGURE 3

- ◎ SMOKE DETECTORS FOR MINIMUM SECURITY

**◎RECOMMENDED LOCATION TO MOUNT SMOKE DETECTOR LOCATIONS IN ROOMS WITH SLOPED, GABLED, OR PEAKED CEILING.**

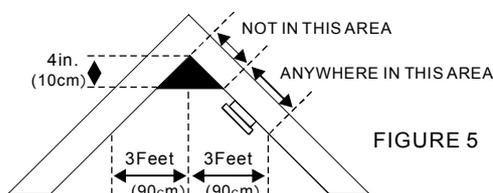
- Install smoke detectors as close to the center of the ceiling as possible.
- If this is not practical, put the detector on the ceiling, no closer than 4 inches (10 cm) from any wall or corner, as shown in Figure 4.



## 2. LOCATIONS NOT TO INSTALL YOUR SMOKE DETECTORS

To avoid nuisance alarms, do not install smoke detectors in the following situations:

- In damp or very humid areas, or near bathrooms with showers. Moisture in humid air can enter the sensing chamber, then turns into droplets upon cooling, which can cause nuisance alarms. Install smoke detectors at least 10 feet (3 meters) away from bathroom.
- In very dusty or dirty areas, dirt and dust can build up on the detector's sensing chamber, to make it overly sensitive. Additionally, dust or dirt can block openings to the sensing chamber and keep the detector from sensing smoke.
- Near fresh air vents or very drafty areas like air conditioners, heaters or fans, fresh air vents and drafts can drive smoke away from smoke detectors.
- If some of your rooms have sloped, peaked, or gabled ceilings, try to mount detectors 3 feet (0.9 meter) measured horizontally from the highest point of the ceiling as shown in Figure 5.
- In very cold or very hot areas, including unheated buildings or outdoor rooms. If the temperature goes above or below the operating range of smoke detector, it will not work properly. The temperature range for your smoke detector is 14 °F to 131 °F (-10 °C to 55 °C).
- Near fluorescent lights, electrical "noise" from fluorescent lights may cause nuisance alarms. Install smoke detectors at least 5 feet (1.5 meters) from such lights.
- Combustion particles are the by-products of something that is burning. Thus, in or near areas where combustion particles are present you do not install the smoke detectors to avoid nuisance alarms, such as kitchens with few windows or poor ventilation, garages where there may be vehicle exhaust, near furnaces, hot water heaters, and space heaters.



## 3. INSTALLING YOUR SMOKE DETECTORS

- Remove the mounting bracket from your unit by rotating it counterclockwise.
- Place the bracket so that the two longest hole slots are aligned on the line. In each of keyhole slots, draw a mark to locate a mounting plug and screw.
- Remove the bracket. Using a 3/16-inch (5mm) drills two holes at the marks and insert plastic wall plugs.
- When installing battery, press down the locking mechanism using the battery. The smoke detector will not be able to be successfully installed before the locking mechanism is pressed down and the battery lid properly closed.

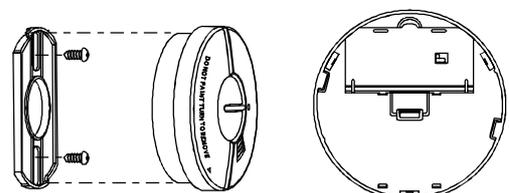


FIGURE 6

FIGURE 7

- Match terminals on the end(s) of the battery with opposite terminal connections on the detector.
- Align the side slot of the bracket and the detector. Push the detector onto the mounting bracket and turn it clockwise to fix it into place. Pull outwards on the detector to make sure it is securely attached to the mounting bracket.

## 4. TESTING AND TAKING CARE OF YOUR SMOKE DETECTORS

- Test the detector monthly by pushing firmly on the test button with your finger until the horn sounds. Testing method may take up to 20 seconds to sound the alarm horn. These are only ways to be sure that detector is working correctly. If the detector fails to test properly, have it repaired or replaced battery immediately. If you suspect that your detector does not go into alarm, test it by pressing the test button with your finger to ensure if it works properly.
- Open the cover and vacuum the dust off the detector's sensing chamber at least once a year.

Warning:

- Clean detector cover when it gets dirty. First open the cover and remove battery. Hand-wash cover with cloth dampened with clean water. Dry it with lint-free cloth. Do not get any water on the detector components. Replace the battery, and close cover.
- Replace the detector battery once a year or immediately when the low battery "beep" signal sounds once 40 seconds. The low battery "beep" should last at least 30 days.

## 6. SPECIFICATION

Model No. : CM-RD-998 series

Type : Residential Photoelectric Smoke Detector

Power : 9V battery

Body case : PC-ABS Withstands impact and heat to a high degree.

Weight : 118g (including battery)

Operating Temp. : -10°C~55°C

Alarm Sound : 85dB/3 meter

M Red LED flashes every 40 sec.

Dimension : 100 mm (Dia.) ×35 mm (H)

## 7. WARRANTY

CHUNG MEI warrants its enclosed Smoke Detector - but not the battery - to be free from defects in materials and workmanship under normal use and service for a period of five years from date of purchase.

## 8. MORE TIPS TO FACE A FIRE IN YOUR HOME

- Install smoke detectors properly. Carefully follow all the instructions in this manual. Keep your smoke detectors clean, and test them every month.
- Develop a family escape plan and practice it with your entire family.
- If the alarm does sound, check for fires first. If a fire is discovered, get out and call the fire department. If no fire is present, check to see if one of the reason listed in **LOCATIONS NOT TO INSTALL YOUR SMOKE DETECTORS** may have caused the alarm. The product has been designed to minimize nuisance alarms.
- Follow a planned escape route. Get out of the house as quickly as possible. Do not stop to collect anything or to get dressed.
- Feel the doors to see if they are hot. If they are not, open them carefully. Do not open a door if it is hot. Use an alternate escape route.
- Cover your nose and mouth with a wet or damp cloth. Take short, shallow breaths.
- Never go back inside a burning building. Contact your local Fire Department.