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› Runidur US-CS12 Smoke Detector Instruction Manual

Runidur US-CS12

Runidur US-CS12 Smoke Detector Instruction Manual

Model: US-CS12

1. INTRODUCTION

This manual provides essential information for the proper installation, operation, and maintenance of your Runidur US-CS12 Photoelectric Smoke Detector. Please read this manual thoroughly before installation and retain it for future reference. This device is designed to detect smoke and alert occupants to potential fire hazards, providing crucial early warning.

The Runidur US-CS12 smoke detector features a 10-year sealed lithium battery, eliminating the need for frequent battery replacements. Its photoelectric sensing technology is effective at detecting slow, smoldering fires.

2. IMPORTANT SAFETY INFORMATION

- **Do Not Paint:** Never paint the smoke detector. Paint can clog the sensing chambers and prevent the alarm from operating correctly.
- **Regular Testing:** Test your smoke detector weekly to ensure it is functioning properly.
- **Alarm Location:** Install smoke detectors in all sleeping areas and on every level of your home.
- **Maintenance:** Clean your smoke detector regularly as described in the Maintenance section.
- **End-of-Life:** Replace the smoke detector after 10 years from the manufacturing date. The device will indicate its end-of-life.
- **Emergency Plan:** Develop and practice a fire escape plan with all household members.

3. PACKAGE CONTENTS

Upon opening the package, verify that all components are present and undamaged:

- Runidur US-CS12 Smoke Detector(s)
- Mounting Bracket(s)
- Mounting Screws and Wall Plugs

- Adhesive Pad(s) (optional mounting)
- Instruction Manual



This image displays three Runidur US-CS12 photoelectric smoke detectors, highlighting their compact, circular design and white finish, along with the included mounting hardware.

4. PRODUCT OVERVIEW

The Runidur US-CS12 smoke detector is designed for reliable smoke detection with minimal maintenance. It incorporates advanced photoelectric technology for early detection of smoldering fires.

Key Features:

- **Photoelectric Sensing:** Detects smoke particles from slow, smoldering fires.
- **10-Year Sealed Battery:** Provides continuous power for the life of the alarm, eliminating battery changes.
- **Test/Silence Button:** Allows for easy testing of the alarm and silencing of nuisance alarms.
- **Loud 85dB Alarm:** Emits a clear, piercing alarm sound at 3 meters to alert occupants.
- **Compact Design:** Blends discreetly with home decor.

- **UL Certified:** Meets safety and performance standards.

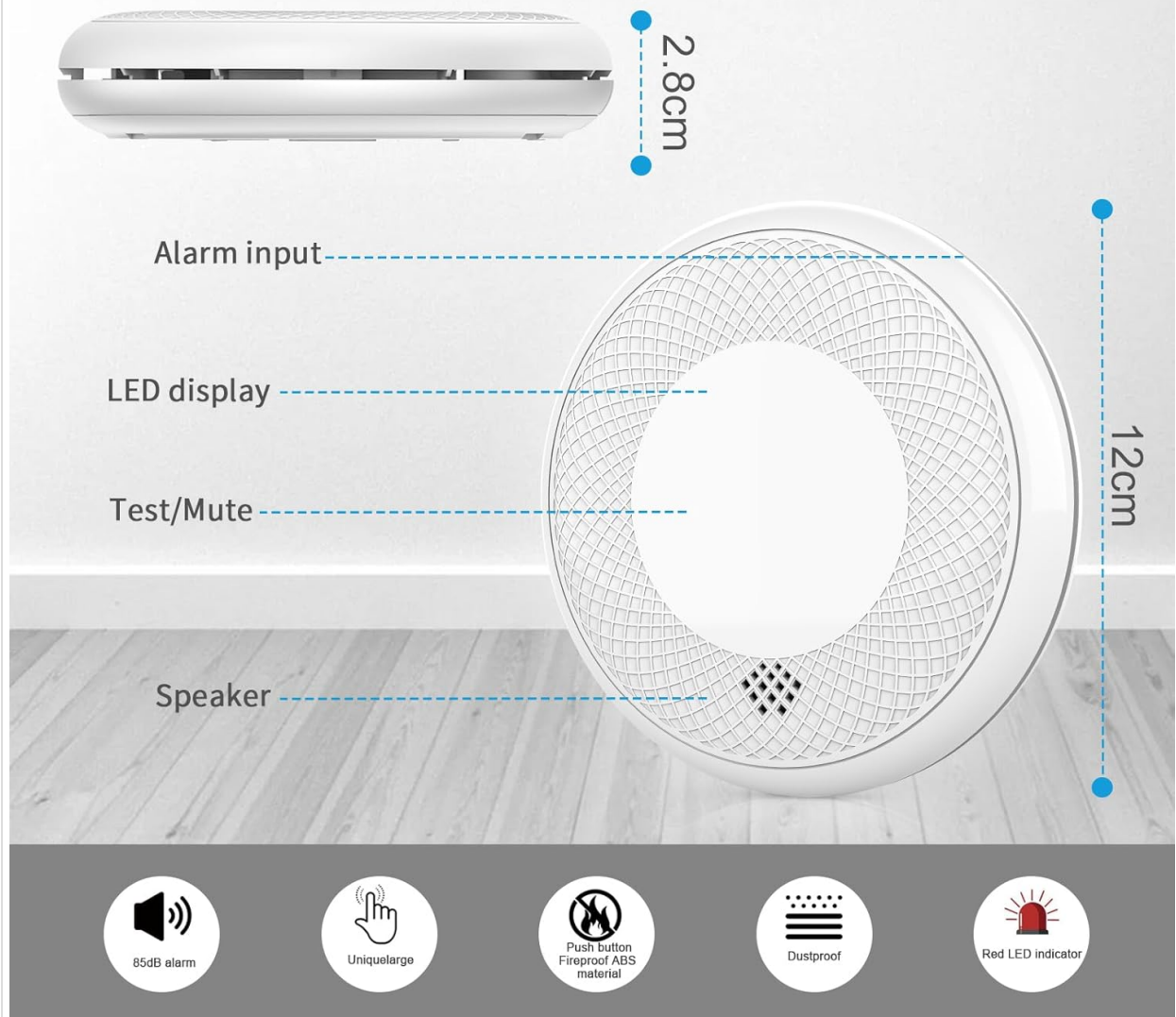


An overview of the Runidur US-CS12 smoke detector's key attributes, including its ability to detect smoke, 10-year product life, UL certification, battery power, test/silence button, and use of ABS fireproof material.

Components:

- **Alarm Input:** Smoke sensing chamber.
- **LED Indicator:** Provides visual status (normal operation, alarm, fault).
- **Test/Mute Button:** For testing and silencing the alarm.
- **Speaker:** Emits the alarm sound.

Perfect details



A close-up diagram of the Runidur US-CS12 smoke detector, indicating its dimensions (approximately 12cm diameter, 2.8cm thickness) and key features such as the LED indicator, Test/Mute button, and speaker.

Powerful lithium-ion

battery with over ten years of service life 2800mAh



An exploded view of the Runidur US-CS12 smoke detector, illustrating its internal components, including the long-life lithium battery (CR17505, DC 3V) and the 85 dB alarm speaker.



This image highlights the photoelectric smoke detection technology, showing the detector installed in a kitchen area, ready to sense smoke.

5. SETUP AND INSTALLATION

Proper placement and installation are crucial for the effective operation of your smoke detector.

Recommended Placement:

- Install at least one smoke detector on every level of your home, including basements.
- Install a smoke detector inside every sleeping area.
- Install a smoke detector in the hallway outside of every separate sleeping area.
- For sloped, peaked, or cathedral ceilings, install the detector within 3 feet (0.9m) of the highest point.
- Keep detectors at least 10 feet (3m) away from cooking appliances to minimize nuisance alarms.

Areas to Avoid:

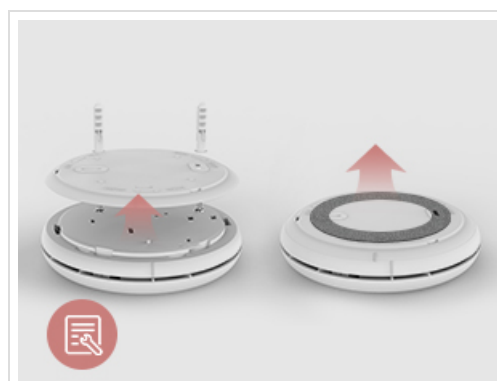
- Near windows, doors, or vents where drafts could interfere with smoke reaching the detector.
- In areas with high humidity, such as bathrooms or laundry rooms.
- In garages, as vehicle exhaust can cause nuisance alarms.
- In extremely dusty, dirty, or insect-infested areas.

Installation Steps:

1. **Prepare the Mounting Location:** Choose a suitable location on a ceiling or wall, away from corners and obstructions.
2. **Mark Screw Holes:** Remove the mounting bracket from the detector. Place the bracket against the ceiling or wall at your chosen location and mark the positions for the screw holes.
3. **Drill Holes:** Drill two 5mm holes at the marked positions. Insert the provided wall plugs into the drilled holes.
4. **Attach Bracket:** Secure the mounting bracket to the ceiling or wall using the provided screws. Ensure it is firmly attached.
5. **Mount Detector:** Align the detector with the mounting bracket. Twist the detector clockwise onto the bracket until it clicks securely into place.
6. **Activate:** The detector will automatically activate once properly mounted.
7. **Test:** Press and hold the Test/Mute button for a few seconds until the alarm sounds. This confirms proper operation.



A visual guide demonstrating the four steps for installing the smoke detector: marking screw holes, drilling and inserting a dowel, attaching the bracket, and twisting the detector onto the bracket.



A visual guide demonstrating how to securely attach the smoke detector to its mounting bracket by twisting it into place.

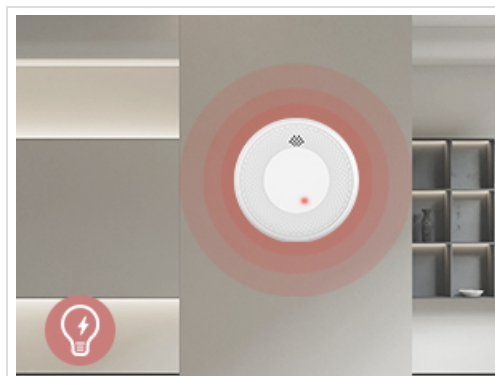


This image shows various recommended placements for the smoke detector, including on a wall near a bed, above a door, and on a ceiling, emphasizing flexible installation and comprehensive coverage.

6. OPERATING INSTRUCTIONS

Normal Operation:

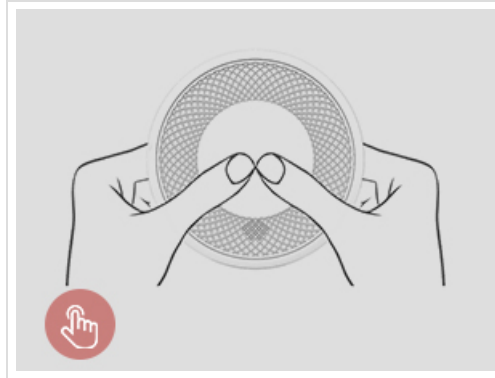
Once installed and activated, the smoke detector is continuously monitoring for smoke. The LED indicator will flash briefly approximately every 40-60 seconds to confirm normal operation.



A visual representation of the smoke detector's red LED indicator light, which signals operation or alarm status.

Testing the Alarm:

Test the smoke detector weekly to ensure it is working correctly. Press and hold the Test/Mute button for a few seconds until the alarm sounds. The alarm will sound loudly, and the LED will flash rapidly. Release the button to stop the alarm. If the alarm does not sound, refer to the Troubleshooting section.



A visual representation of pressing the central test/silence button on the smoke detector.



An animated scene illustrating the smoke detector's function, showing smoke and fire in a room and the detector's response.

Silencing a Nuisance Alarm:

If the alarm sounds due to non-emergency smoke (e.g., cooking fumes), press the Test/Mute button to temporarily silence the alarm for approximately 10 minutes. The LED will flash every 10 seconds during the silence period. The alarm will automatically reset after the silence period if smoke is no longer present. If smoke is still detected, the alarm will reactivate.

7. MAINTENANCE

Regular maintenance ensures your smoke detector remains in optimal working condition.

- **Weekly Testing:** Test the alarm weekly as described in the Operating Instructions.
- **Monthly Cleaning:** Gently vacuum the exterior of the smoke detector using a soft brush attachment to remove dust and debris from the sensing chamber openings. Do not use water or cleaning solvents.
- **Battery Life:** The sealed lithium battery is designed to last 10 years. When the battery is low or the unit reaches its end-of-life, the detector will chirp approximately once every 40-60 seconds. Replace the entire unit immediately.

8. TROUBLESHOOTING

Problem	Possible Cause	Solution
Alarm does not sound during test.	Unit not activated, faulty unit, or end-of-life.	Ensure unit is properly mounted. If still no sound, replace the unit.
Alarm chirps once every 40-60 seconds.	Low battery or end-of-life.	The sealed battery is low. Replace the entire smoke detector unit immediately.
Nuisance alarms (false alarms).	Cooking fumes, steam, high humidity, dust, or insects.	Press the Test/Mute button to silence. Relocate the detector if nuisance alarms persist. Clean the detector.
Alarm sounds continuously without smoke.	Excessive dust, insects, or a fault in the unit.	Clean the detector. If the problem persists, replace the unit.

9. SPECIFICATIONS

- **Model:** US-CS12
- **Sensor Type:** Photoelectric
- **Power Source:** 10-Year Sealed Lithium Battery (CR17505, DC 3V)
- **Alarm Loudness:** ≥85 dB at 3 meters
- **Operating Temperature:** 40°F (4.4°C) to 100°F (37.8°C)
- **Operating Humidity:** 10% to 95% RH (non-condensing)
- **Dimensions:** Approximately 3.15 x 1.25 x 3.2 inches (8 x 3.17 x 8.1 cm)
- **Item Weight:** Approximately 14.4 ounces (408 grams)
- **Certifications:** UL Certified

10. WARRANTY AND SUPPORT

Warranty Information:

Runidur provides a standard warranty for its products, covering defects in materials and workmanship under normal use. The specific duration of the warranty may vary by region and product. Please refer to the warranty card included with your purchase or contact Runidur customer support for detailed warranty terms.

Customer Support:

For technical assistance, troubleshooting, or warranty claims, please contact Runidur customer support. You can typically find contact information on the product packaging, the Runidur official website, or through your retailer.

When contacting support, please have your product model (US-CS12) and purchase date available.