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Jemay GS506

Jemay GS506 Photoelectric Smoke Detector User Manual

Model: GS506

1. INTRODUCTION

The Jemay GS506 Photoelectric Smoke Detector is designed to provide early warning of smoke and fire hazards in your home or office. Utilizing advanced photoelectric technology, it offers accurate and reliable detection of slow-burning fires, minimizing false alarms. This manual provides essential information for the proper installation, operation, and maintenance of your smoke detector to ensure optimal performance and safety.

Important Safety Note: This smoke detector is designed to detect smoke. It is **not** designed for gas detection.

2. PRODUCT FEATURES

- **Advanced Photoelectric Sensor:** Detects tiny combustible particles more accurately, providing early detection of slow-burning fires and reducing false alarms.
- **Loud Audible Alarm:** Emits an alarm signal greater than 85dB(A) at 3 meters to alert occupants effectively.
- **Visual Alarm Indicator:** Features a red LED flash indicator for clear visual alerts.
- **Test/Silence Button:** Allows for easy weekly testing and provides a 10-hour mute function for low battery warnings.
- **Low Battery Reminder:** Alerts you when the 9V replaceable battery needs replacement.
- **Fault Warning:** A chirp between LED flashes indicates a malfunction.
- **Safety Clip Feature:** Prevents mounting of the smoke alarm without the battery installed, ensuring continuous protection.
- **Easy Installation:** Can be installed quickly using the included mounting bracket and screws, or with adhesive stickers (not always included, check package).
- **Durable Construction:** Made from upgraded Premium ABS Material, offering excellent heat resistance and high durability.
- **Wide Coverage:** Effective detection coverage of 20-40m² (215-430 sq.ft).

3. PACKAGE CONTENTS

Please check the package contents to ensure all items are present:

- Jemay GS506 Smoke Alarm Unit
- 9V Battery

- User Manual (this document)
- Screw Set (2 screws)

4. SETUP AND INSTALLATION

4.1 Component Overview



Image Description: An exploded diagram of the Jemay GS506 smoke detector, illustrating its internal components. Key parts labeled include the Test Button, 85 dB Loud Alarm, LED Indicator, Photoelectric Sensor, and the Replaceable Battery compartment.

4.2 Battery Installation

1. Locate the battery compartment on the back of the smoke detector.
2. Open the battery compartment cover.
3. Connect the included 9V battery to the battery clip, ensuring correct polarity (+ to + and - to -).
4. Insert the battery into the compartment.

5. Close the battery compartment cover. The safety clip feature will prevent the unit from being mounted if the battery is not correctly installed.

4.3 Mounting Location Recommendations

For optimal protection, install smoke detectors in the following locations:

- Install at least one smoke detector on every level of your home, including basements.
- Install a smoke detector inside every bedroom.
- Install a smoke detector in the hallway outside of each sleeping area.
- Mount on the ceiling, away from corners and walls (at least 10 cm from walls).
- Avoid installing near windows, doors, or areas with high airflow, as this can interfere with smoke detection.
- Do not install in kitchens, bathrooms, or garages where cooking fumes, steam, or exhaust can cause false alarms.

4.4 Mounting the Detector



Image Description: A detailed view of the Jemay GS506 smoke detector from the front and side, showing its compact dimensions (3.93 inches / 100mm diameter and 1.44 inches / 36.8mm thickness). The front features the LED indicator and silence button.

1. Once the battery is installed, select a suitable mounting location on the ceiling.
2. Use the mounting bracket as a template to mark the positions for the two screw holes on the ceiling.
3. Drill two holes at the marked positions. Insert wall plugs if necessary.
4. Attach the mounting bracket to the ceiling using the provided screws.
5. Align the smoke detector with the mounting bracket and twist it clockwise until it locks securely into place.
6. Alternatively, the detector can be attached using 3CM adhesive stickers (if included in your package) for non-permanent installation. Ensure the surface is clean and dry before applying.

5. OPERATING INSTRUCTIONS

5.1 Initial Power-Up

After battery installation and mounting, the detector will perform a self-test. The red LED indicator will flash briefly, and you may hear a short chirp, indicating it is powered on and functioning correctly.

5.2 Testing the Detector

It is crucial to test your smoke detector weekly to ensure it is working properly.

1. Press and hold the Test/Silence button located on the front of the detector.
2. The alarm will sound loudly (a series of three beeps, pause, three beeps) and the red LED will flash.
3. Release the button. The alarm should stop.
4. If the alarm does not sound, refer to the Troubleshooting section.

5.3 Alarm Indication

When smoke is detected, the alarm will sound continuously with a loud, piercing sound (three long beeps, pause, three long beeps) and the red LED will flash rapidly. This indicates a potential fire hazard. Evacuate the premises immediately and call emergency services.

High-Performance Photoelectric Sensor

Quick in detecting slow-burning fires



Image Description: A Jemay GS506 smoke detector mounted on a ceiling, with orange concentric circles emanating from it, symbolizing its detection capabilities. Below, a living room scene shows smoke filling the air, illustrating the detector's function in a fire scenario.

5.4 Silence Function (Hush Mode)

If a non-emergency alarm occurs (e.g., from cooking fumes), you can temporarily silence the alarm:

1. Press the Test/Silence button once.
2. The alarm will silence for approximately 10 minutes. The red LED will continue to flash every 10 seconds to indicate it is in hush mode.
3. After 10 minutes, if smoke is still present, the alarm will reactivate.
4. Do not use the silence function in a real fire emergency.

6. MAINTENANCE

6.1 Monthly Testing

Test your smoke detector at least once a month by pressing the Test/Silence button until the alarm sounds. This confirms the battery and alarm circuit are functioning.

6.2 Battery Replacement

The detector will chirp approximately once every 30-40 seconds, accompanied by a red LED flash, to indicate a low battery. Replace the 9V battery immediately when this occurs. The battery has an estimated service life of 5 years.

1. Twist the detector counter-clockwise to remove it from the mounting bracket.
2. Open the battery compartment.
3. Disconnect the old 9V battery and dispose of it responsibly.
4. Connect a new 9V battery, ensuring correct polarity.
5. Close the battery compartment and reattach the detector to the mounting bracket by twisting clockwise until secure.
6. Test the detector after replacing the battery.

6.3 Cleaning Your Smoke Detector

Dust and debris can accumulate on the smoke detector, potentially affecting its performance. Clean your detector at least once a year:

- Gently vacuum the exterior of the detector using a soft brush attachment.
- Wipe the cover with a clean, damp cloth. Do not use cleaning sprays or solvents.
- Ensure no moisture enters the detector.

7. TROUBLESHOOTING

Problem	Possible Cause	Solution
Detector does not sound during test.	Dead or weak battery; incorrect battery installation; faulty unit.	Replace battery; check battery polarity; if problem persists, replace unit.
Detector chirps every 30-40 seconds.	Low battery.	Replace the 9V battery immediately.
Detector chirps between LED flashes.	Malfunction.	Clean the detector; if problem persists, replace unit.
False alarms occur frequently.	Improper placement (near kitchen, bathroom, dusty areas); excessive dust/debris.	Relocate detector to a more suitable area; clean the detector thoroughly.
Alarm sounds but no visible smoke.	Small amount of smoke (e.g., from cooking); dust in chamber; high humidity.	Use the silence function if it's a nuisance alarm; ventilate the area; clean the detector.

8. SPECIFICATIONS

Feature	Specification
Model Number	GS506 (Part Number GS528A)
Sensor Type	Photoelectric
Power Source	DC 9V Battery (replaceable)
Alarm Loudness	>85dB(A) at 3 meters
Alarm Indicator	Red LED Flash
Operating Temperature	Not specified, but material resistant up to 212°F (100°C)
Product Life Time	10 Years
Battery Life Time	5 Years (for included battery)
Detection Coverage	20-40m ² (215-430 sq.ft)
Dimensions	10D x 10W x 3.7H centimetres (approx. 3.93 x 3.93 x 1.44 inches)
Material	Premium ABS

9. WARRANTY AND SUPPORT

The Jemay GS506 Smoke Detector is designed for a product life of 10 years. The included 9V battery has an estimated service life of 5 years. Regular maintenance and testing are essential to ensure the longevity and proper functioning of the device. If you encounter any issues or have questions regarding your smoke alarm, please contact Jemay customer service. Our team is available to provide assistance and support.

Note: Always refer to local regulations and codes for specific requirements regarding smoke detector installation and maintenance in your area.