

Natural Gas Alarm

Model: PMH-AJ-986

UL 1484:6ED Certified

Fully compliant with North American residential natural gas detection standard, ETL certified, recognized for US market.

10-Year Battery Life

Adopts 3x CR17505 primary lithium battery. No wiring, no need to replace the battery during the lifespan.



High-sensitivity semiconductor sensor · 85dB loud audible & visual alarm · Low battery auto prompt · Minimalist wall-mount design

NYC Local Law 157 Compliance

01. Core Safety Verification

Our alarm features a dedicated TEST button for effortless, regular functionality checks. This ensures continuous reliability, a non-negotiable requirement to uphold NYC's strict residential safety protocols and legal obligations for gas detection systems.

02. Mandatory UL 1484 Certification

Fully compliant with NYC Local Law 157, which mandates **UL 1484 certified gas alarms** in all residential buildings with gas service. This regulation is designed to mitigate risks and protect residents by ensuring only certified, high-quality detection systems are installed.



FINAL COMPLIANCE DEADLINE: JANUARY 1, 2027

All NYC residential properties with gas lines must be fully equipped with certified alarms by this date to meet legal requirements and safeguard occupants.

Ensure peace of mind with a solution built for compliance. Our certified alarms combine easy maintenance, durable construction, and precise detection to help you meet Local Law 157 requirements efficiently and effectively.

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Status Indication

03

Explanation of LED indicator lights for power status, gas alarm, and fault conditions.



Installation Guide

04

Step-by-step installation instructions and recommended placement for optimal performance.

Product Highlights



01. High-Precision Semiconductor Sensor

Utilizes a high-stability semiconductor sensor for fast response to methane (CH₄) with low false alarm rate and reliable performance.



02. 10-Year Sealed Battery

Equipped with 3x CR17505 primary lithium batteries, **24/7 Uninterrupted Monitoring** continuous real-time gas leak detection. For non-plug-in models, built-in long-life battery ensures protection even during power outages.



03. Multi-Color LED Indicators

Green (Power), Red (Gas Alarm), and Yellow (Fault/Low Battery/End-of-Life) LEDs provide clear status information.



Professional Home Security Device · Protecting Your Home
Safety Line

Key Features



01. 10% LEL Alarm Threshold

Early warning at 10% Lower Explosive Limit to effectively prevent fire and explosion risks from gas leakage.



02. Clear LED & Audible Alarm

3-color LED indicators (Green/Red/Yellow) and >85dB loud buzzer ensure clear visual and audible warnings for all users.



03. One-Key Self-Test

Convenient TEST button allows users to regularly verify the alarm's functionality, ensuring it is always in working order.

Committed to providing comprehensive gas safety solutions with professional technology and reliable quality.

Technical Specifications

Product Name

Natural Gas Alarm

Model

PMH-AJ-986

Target Gas / Standard

Methane (CH₄) / UL1484:6ED

Sensor Type

Semiconductor Sensor



Power Supply

DC3V (CR17505 Li-battery × 3)

Service Life

10 Years(Sealed power)

Alarm Threshold / Sound

10% LEL / >85dB @3m

Coverage / Size

~25m² / 108×108×40mm

Status Indication



Power Status (Green LED)

•**Normal Operation:**Green LED flashes three times every few seconds to confirm power-on and entry into monitoring mode.

•**Test Mode:**Press and hold the TEST button; all LEDs light up, and a beep sounds, indicating hardware self-test passed.



Alarm Status (Red LED)

•**Gas Leak:**Red LED flashes rapidly, accompanied by a "beep" every 0.9 seconds.

•**Action:**Immediately open windows for ventilation, turn off gas supply, and contact professionals.



Fault Status (Yellow LED)

•**Reminder:**Yellow LED flashes twice every 60 seconds with a double beep, indicating device failure.

•**Common Causes:**Sensor aging, low battery voltage, or internal circuit malfunction.

Installation Guide

01



Fix the Mounting Base

Use the provided screws to securely fasten the plastic mounting base to the desired wall location.

02



Power On

Locate the power switch on the back and toggle it from the "OFF" position to "ON".

03



Attach the Alarm Unit

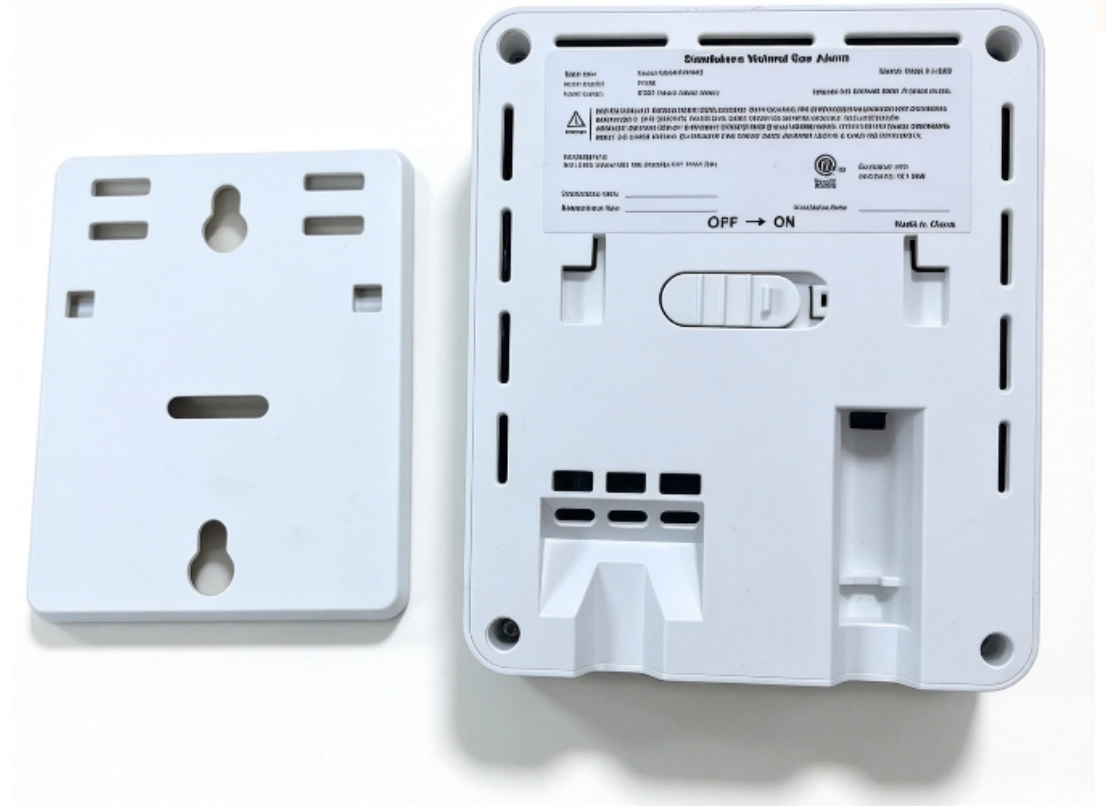
Align the alarm's slots with the base's clips and push firmly until it clicks into place.

04



Perform Self-Test

Press the "TEST" button to initiate a full function test, ensuring the alarm work properly.



Package Contents



Complete kit laid out for immediate installation

Everything You Need for Easy Installation

Our all-inclusive package eliminates the need for extra trips to the hardware store. Each component is carefully selected to ensure a secure, quick, and hassle-free setup process for your home safety.



Gas Alarm Unit

Core sensor module with smart detection algorithm for fast leak alerts.



Mounting Bracket

Sturdy ABS plastic bracket designed for optimal sensor positioning.



Hardware Kit

Rust-resistant screws and wall anchors for a secure hold.



User Manual

Illustrated step-by-step guide in 8 languages for clear, universal instructions.



Moisture Control Packet

Industrial-grade desiccant to protect sensitive electronics during shipping.

Installation Recommendations

01. Recommended Locations



Install in Every Bedroom Area

Ensure the alarm can be heard while sleeping.



Install on Every Level

For multi-story homes, install an alarm on each floor.



Install Near Gas Appliances

Place within 5-10ft (1.5-3m) of gas appliances, up to 12 inches (30cm) below the ceiling.

02. Locations to Avoid



Strong Airflow Areas

Avoid near fans, vents, windows, or doors.



High Humidity or Steam

Avoid bathrooms, saunas, or areas with heavy cooking fumes.



Obstructed Locations

Ensure the sensor is not blocked by furniture or other objects.



Chemical Vapors

Do not install near organic solvents or in areas with high concentrations of silicone vapor.

Important Warnings



DANGER: Do Not Incinerate

Internal batteries may explode if burned, posing severe fire and injury risks. Never expose the device to open flames or high heat sources.



WARNING: Ensure Adequate Ventilation

Always maintain proper airflow when operating gas appliances. Poor ventilation can lead to hazardous carbon monoxide buildup.



WARNING: Battery Safety Protocol

Keep batteries away from children and pets. Dispose of used units according to local environmental regulations to avoid contamination.



WARNING: Indoor Use Only

This product is designed for protected indoor environments only. Outdoor exposure can cause damage and compromise safety features.

Alarm Response Procedure



01. Immediate Evacuation

Leave the building at once without hesitation. Proceed to a safe outdoor location away from the premises.



02. Maximize Ventilation

Open all windows and exterior doors as you exit to disperse any accumulated gas and reduce concentration.



03. Avoid Ignition Sources

Do NOT use any electrical switches, phones, elevators, or create sparks—these can ignite gas fumes.



04. Report the Emergency

From a safe distance, contact emergency services and your gas supplier to report the leak and get assistance.