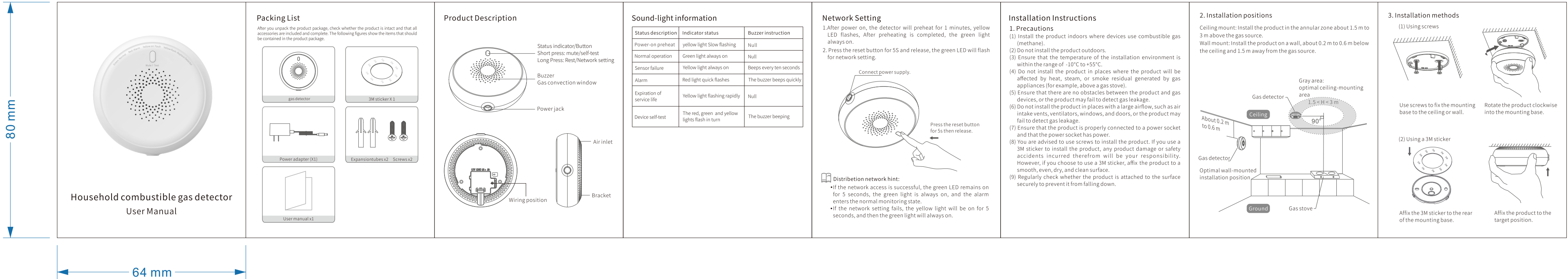


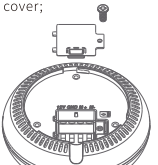
- 1、风琴折页，折叠尺寸: 64*80mm, 128g铜版纸，单黑双面印刷
- 2、折印要求清晰、位置准确，没有偏移
- 3、印刷内容要求清晰，无断印、漏印、重影等印刷缺陷

版本	日期	变更内容 (版本升级原因描述)
A	2024/8/28	首次发行

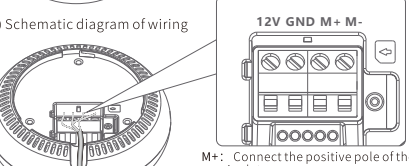


4. Wiring instructions (DC 12V manipulator can be connected)

(1) Use a screwdriver to unscrew the cover screws and remove the cover;



(2) Schematic diagram of wiring



M+ M-: The control interface is used for power output, with maximum voltage of DC12V, and maximum current of 500mA;
The 12V GND stand by power interface can be powered by the power adapter or the wiring terminal.

Instructions for use

- Preheat status**
After the detector is powered on, it enters the preheating state. During the preheating period, the yellow light flashes, and after the preheating is completed, the green light remains on.
- Normal operation status**
In no fault or no alarm status of the detector, the green light stays on to indicate that the power is normal and the detector enters the normal operation status.
- Alarm status**
When the detector has no fault and the gas concentration is higher than the alarm value, the red light flashes and the buzzer sounds an alarm.
- Device muffling**
In the alarm state, press the mute button, the red indicator light will continue to flash, the buzzer will stop beeping, and enter the mute state; When the combustible gas is not cleared, the buzzer will sound again after 90 seconds of silence.
- Fault status**
When the detector is faulty, the yellow light is always on and the buzzer beeps for about every 10 seconds.
- Device self-test**
In the normal operation status, short press the button once times, the red, green and yellow lights flash in turn, the buzzer will beep, and an alarm signal will be reported once.

Routine Maintenance and Protection

To ensure that the product works properly, maintain and protect the product as follows:

- Correctly install, operate, and maintain the product in accordance with the user manual.
- Perform a self-diagnostic test on the product every month. When the product is working, press the mute/self-diagnostic button and ensure that the product can generate an audible and visual alarm.
- Once every three months, use a slightly damp towel to clean the product cover and remove dust and oil stains from the air intake vent of the product to ensure smooth airflow and a normal alarm sound. Do not use a wet towel or chemical solvents, such as alcohol or acetone to clean the product.
- Calibrate the product annually.

★ Only qualified institutions with standard gas and calibration tools are authorized to calibrate the product.

Fault analysis and handling

Phenomenon of fault	Cause analysis	Handling method
The yellow light is always on, and the buzzer beeps once about every ten seconds	Fault of detector	Contact the dealer for repair

Handling Gas Leakage

When the combustible gas concentration in the air reaches or exceeds the preset alarm threshold, the product will enter the alarm state. Handle the problem as follows:

- Close the gas pipeline valve immediately.
- Open doors and windows for ventilation.
- Extinguish all sources of fire such as cigarette lighters, matches, and gas burners, and do not use items that may generate fire or any kind of electrical spark, such as electronic ignition devices for water heaters or gas burners.
- Do not turn any home appliances on or off.
- Check the causes of the gas leakage and notify relevant departments and professional personnel of handling the problem.

Other Precautions

- The product can only be used for pipeline Methane (Natural gas) and cannot be used for bottled liquefied gas (LPG).
- Do not change the internal structure of the product.
- Do not directly use high-concentration combustible gas, for example, butane lighter gas or pure natural gas on the product. The sensitivity of the product's detector will be reduced, and the product may even become non-functional.
- Do not use a large amount of hair spray, pesticides, paint, adhesives, or thinners near the product to avoid false alarms and maintain the product's lifespan.
- Typically, the product's built-in sensor can be used for five years. Maintain the sensor or replace the product after having using the product for five years.
- Periodically check whether the product is working properly. If the product is faulty, contact the vendor and describe the fault symptoms to rectify the fault. Do not disassemble the product yourself. After-sales service engineers of the vendor can provide on-site guidance. If you send the product to the vendor for repair, ensure gas use safety during the repair period.
- If you use a 3M sticker to affix the product to a painted surface, peeling of the paint may cause the product to fall down. If this occurs, you are liable for any problems incurred therefrom

Historical records

Storage	Historical alarm records	Number of records
n1	Alarm records of detector	256
n2	Alarm recovery records of detector	256
n3	Fault records of detector	128
n4	Fault recovery records of detector	128
n5	Power failure records of detector	64
n6	Power failure recovery records of detector	64
n7	Failure records of alarm	1

Wireless Technology

	ZigBee
Transmission Frequency	2.4 GHz
Working Voltage	100~240V (adapter)
Standby Current	≤150 mA
Operating Environment	-10°C to +55°C ≤95% RH
Detected Gas	Methane (Natural gas)
Alarm LEL	8% LEL Methane (Natural gas)
Concentration Error	±3% LEL
Alarm Method	Audible and visual alarm, and wireless connection alarm
Alarm Sound Pressure	≥70 dB (1 m in front of the gas detector)
Installation Method	Wall-mounting or ceiling-mounting
Dimensions	φ85 mm x 29 mm

Toxic or Hazardous Substances or Elements of this Product

Component Name	Toxic or Hazardous Substances or Elements					
	Lead (Pb)	Mercury (Hg)	Cadmium (Cd)	Hexavalent chromium (Cr(VI))	Polybrominated biphenyls (PBBs)	Polybrominated diphenyl ethers (PBDEs)
LED	O	O	O	O	O	O
PCB	O	O	O	O	O	O
Cover and other components	O	O	O	O	O	O

This table complies with SJ/T 11364.
O: indicates that the toxic or hazardous substance amount contained in all homogeneous materials of a component does not exceed that stipulated in GB/T 26572.
X: indicates that the toxic or hazardous substance amount contained in at least one of the homogeneous materials of a component exceeds that stipulated in GB/T 26572.

Warranty Certificate

Warranty policy:

- If the product has quality problems within 7 days of the payment date, you can apply for a refund based on the invoice price or to replace with the same model or have it repaired.
- If the product has quality problems within 15 days of the payment date, you can apply to replace the product with he same model or have it repaired.
- If the product has quality problems within 12 months of the payment date, you can apply to have it repaired.

What is not covered under this warranty:

- The product owner has no warranty certificate or the warranty service has expired.
- Damage caused by improper use, maintenance, or storage
- Damage caused by disassembly and repair without our company authorization
- Damage caused by force majeure
- Normal discoloration and depreciation after the product has been used

