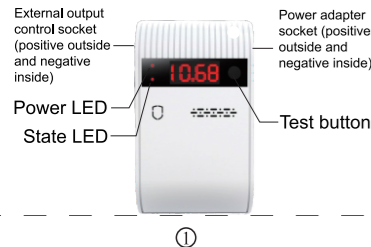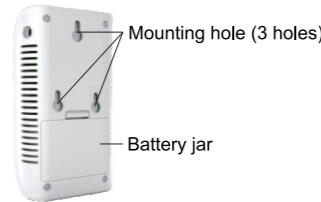# EVOLVEO

Salvarix
gas detector

1. Introduction

GAS1 adopts high-quality catalytic combustion type gas sensor and SMT chip processing technic, with high sensitivity & stability and low power consumption. Self-checking circuit and power supply, easy to install and operate. It can effectively detect leakage of LPG, coal gas, natural gas and marsh gas such inflammable gas.

External output control socket (positive outside and negative inside)

Power adapter socket (positive outside and negative inside)

Power LED

State LED

Test button

Mounting hole (3 holes)

Battery jar

2. Features

1. Intelligently detects leakage of inflammable gas (LPG, coal gas, natural gas and marsh gas etc).
2. Temperature / Concentration indication on 4 digital tube display.
3. Could be connected with wireless home alarm system. In-built wireless signal transmit module, it can trigger connected home security alarm system to launch alarming.

3. Operation

1. Power on

Plug and power on the detector, power indicating led turn on, device enter

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three-minute warm-up period, digital tube indicate count-down time.

2. Temperature

Digital tube will show current temperature in normal state (no leakage occurs).

3. Concentration

When inflammable gas leakage occurs, concentration over lOOOppm, digital tube will change to indicate concentration value; when value over 9999ppm, it will indicate " HHHH".

4. Alarm

When leakage concentration value over 2500ppm, device will start to alarming, led light flashing and buzzer make loud sound, wireless alarming signal will be sent to connected home alarm system. The alarming process last 1 minute, press Test button can stop alarming.

5. Self-checking

Press Test button can simulate alarming process, used to test power supply and circuit condition, once a week.

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6. Pair with alarm system

Detector could be coded to work with home alarm system, alarm panel under coding status, then press Test button of the detector to emit wireless signal, alarm panel will receive and confirm it. Success-fully coded smoke detector will send detected signal to alarm system to call or SMS text users for warning.

7. Power-off reminding

External power cut off, device will start back-up battery, digital tube show "pppp" to remind user.

4. Installation

Device should be installed properly, for LPG such heavier-than-air gas detection, please install it over 30cm distance from floor; and for natural gas such lighter-than-air gas, keep it 30cm distance from ceiling. Both two installation conditions should keep the device within 2 meter distance from cooking instruments.

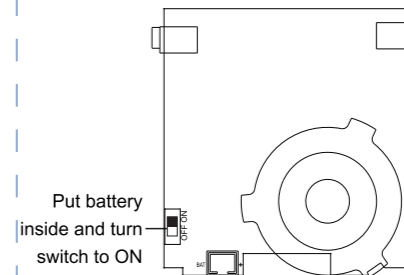Please keep away from following places:
- Places with heavy smoke (near to cooking devices directly)
- Places near to ventilator which with wind-flow
- Bathroom with water steam and water drip
- Rooms obstructed by curtains
- Hot water supplying room and power cutoff at night places
- Outdoors places.

Find the suitable installing place, use screw or nail to fix the mounting plate on the wall/ceiling, then hang the detector onto the plate by aiming the holes behind the device.
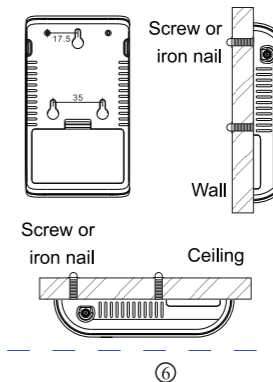
See below mounting chart:
- Power on (screw off the plastic cover, turn the switch to ON position, defaulted as OFF, then screw the cover again)

Put battery inside and turn switch to ON

- Installation

Screw or iron nail

Wall

Screw or iron nail

Ceiling

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5. Technical Parameters

Power supply: 9V~ 12V DC Adapter

In-built battery: 7.4V/500mA rechargeable Li battery

Working Current: 120mA under monitor state

Li battery charging current: < 100mA

Siren Volume: 85dB

Wireless Frequency: 433MHz

Transmission Distance: >80M(no obstacle)

Alarm output voltage: 5V DC

Temperature: -10C ~+60°C

Humidity: 95% (40±2°C)

Size: 127 x 73 x 28mm

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Find the complete text of Declaration of Conformity at ftp://ftp.evolveo.com/ce

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