

# Vismart

Intelligent Building Systems

V-ZigBee Control Smart Home Systems

## VZG-GS17

GAS DETECTOR  
USER MANUAL



### SYSTEM PARAMETERS

Voltage: AC100-240V

Alarm mode: Sound and Light Alarm

Standby Current:  $\leq 15\text{mA}$

Solenoid Valve Output: DC12V

Operating Current: 40mA

Zigbee Distance:  $\leq 150\text{m}$  (open space)

Alarm Sound:  $\geq 85\text{dB}$  (1m)

Zigbee Wireless Standards: IEEE 802.15.4

Gas detection: Natural gas

Operating Temperature:  $-10^\circ\text{C} \sim 50^\circ\text{C}$

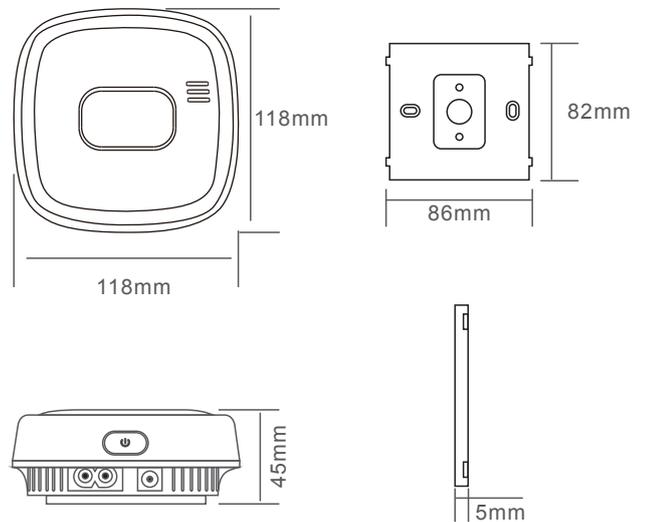
Alarm Concentration:

Operating Humidity: MAX% 95 RH

2500PPM ( $\pm 1500\text{PPM}$ )

Dimensions: 118x118x45mm

### DIMENSIONS AND ACCESSORIES

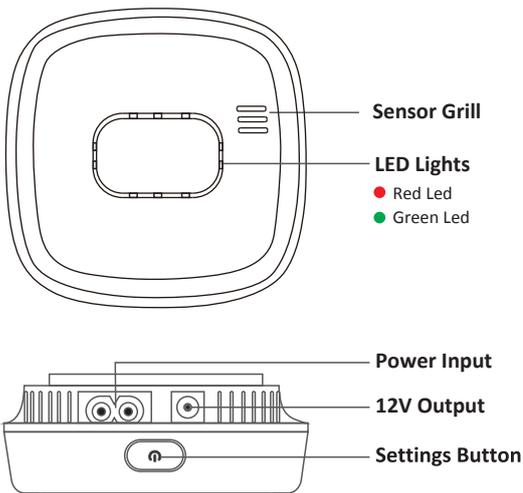


### INTRODUCTION

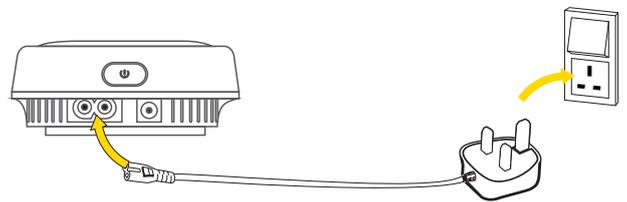
Gas leakage in your place could be fatal, gas detectors can be life saving in these situations. With our gas detectors you can ensure this safety with extra awareness. In any gas leakage emergency situation, our detectors cut off the gas supply and warn you via the mobile application while triggering the alarm.

#### Functional Properties:

- High security catalytic fire sensor
- ZigBee wireless communication
- Electromagnetic valve control output



### INSTALLATION



#### Installation:

Don't install the gas detector anywhere close to gas hobs, possible smoky spots (above oven, hobs etc.) and avoid steamy places to keep the sensor grill clean and sensitive.

#### Startup:

Connect the power cable to gas detector as shown at the image above.  
Press the Settings Button once to activate the device.  
When Settings Button is pressed red light will flash 3 times indicating that the network settings haven't made.

There is one settings button and two LED lights illuminating red and green.

There are two working modes;

User and Settings Mode

**Red Light:**

1. If the red light flashes 5 times in the user mode, that means there is a connection issue between devices.

**Green Light:**

1. In the User Mode, green light flashes once show that the device is working normally.

2. In the User Mode, when you press and hold the Settings Button for 3 seconds green light will continuously illuminate, shows that now the device is in Settings Mode.

3. In the Settings Mode, green light flashing 5 times indicates that the entered command is wrong or not recognized.

4. In the Settings Mode, green light flashing 2 times indicates that the entered command is accepted.

5. In the Settings Mode, green light flashing rapidly indicates that the device is searching for the network and making the connection automatically. Green light flashing 3 times indicates that the connection to the network has been made.

**Red and Green Lights Illuminating Simultaneously:**

When you press the settings button once, when the device is connected to network, the green LED light will flash once and tell the Gateway that it is active.

If the device is not connected to the network or disconnected, red and green lights will flash 3 times to indicate the connection problem.

**Network Connections:**

Press and hold the Settings Button till the green light illuminates continuously. When the green light turns on press the button once (green light will flash once after pressing the button).

Press and hold the button again till the green light turns on. Once the device starts searching for the network the green light will start flashing rapidly and when the connection has been made green light will flash 3 times.

**Note:** Before connecting this device, network connection mode should be activated on the Gateway by using the Settings Button on it.

**Factory Settings:**

Press the Settings Button for 3 seconds till the green lights illuminates continuously. Then press and release the Settings Button 10 times (green light will flash once after each pressing). Press and hold the Settings Button for 3 seconds. Green light will flash 3 times indicating that device is successfully returned to factory settings.

**Note:** If you press the Settings Button more or less than 10 times green light will flash 5 times indicating that the process was unsuccessful. You can continue the process by pressing 10 times as explained above.

**Note:** You have to set the network settings after returning back to factory settings.

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