GS 101 Residential Gas Detector

FEATURES

- **SEMICONDUCTOR GAS DETECTION SENSOR**
  with 5-year-long life expectancy and no calibration needed
- **HIGH SENSITIVITY GAS LEAK DETECTION**
  and support 8% LEL alarm threshold
- **BUZZER AND LIGHT INDICATORS**
  to indicate the device powered, faulty, alarmed, and invalid status

- **EQUIPPED WITH A TEST BUTTON**
  to test the device's normal or abnormal status
- **STORE 800 HISTORICAL RECORDS LOCALLY**
  in 7 types and unable to reset
- **QUICK AND EASY MANAGEMENT**
  with Milesight IoT Cloud solution
- **BUILT-IN NFC**
  for easy configuration
- **BUILT-IN WITH REPLACEABLE BATTERY**
  19000 mAh and work for 10 years without replacement
- **COMPATIBLE WITH STANDARD**
  LoRaWAN gateways & network servers

SPECIFICATIONS

Wireless Transmission

Technology	LoRaWAN ®
Frequency	CN470/IN865/RU864/EU868/US915/AU915/KR920/AS923-1&2&3&4
Tx Power	16 dBm (868 MHz)/22 dBm (915 MHz)/19 dBm (470 MHz)
Sensitivity	-137dBm @300bps
Mode	OTAA/ABP Class C

GS 101 Residential Gas Detector

Measurement & Alarms

Detecting Gas	Methane (CH4)
Detection Principle	Semiconductor Sensor
Warm-up Time	About 180s
Alarm Level	8% LEL
Alarm Type	Sound & Light
Alarm Volume	85 dBA @1 Meter
Working Life	5 Years (In Clear Air)

Others

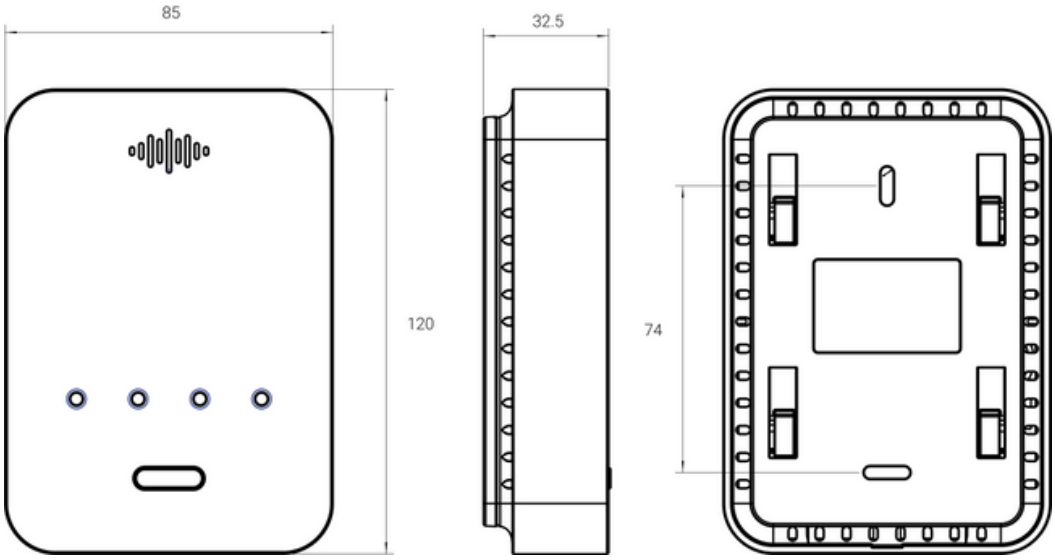
Output Signal	1 × Relay Output: normally open, max 250 VAC/10A 1 × Solenoid Valve Output: 12V, 100ms Pulse Output
Button	1 × Test/Mute/Reset/Reboot Button
LED Indicators	1 × Power (Green), 1 × Fault (Yellow), 1 × Alarm (Red), 1 × Invalid(Yellow)
Configuration	Mobile App via NFC
Historical Records Storage	Alarm Records, Alarm Dismissed Records, Device Fault Records, Device Fault Recovered Records, Device Power On Records, DevicePower Off Records, Device Invalid Records

Physical & Characteristics

Power Connector	DC Jack Connector
Power Supply	12VDC, 1A
Operating Temperature	-10°C to +55°C
Relative Humidity	0% to 95% (non-condensing)
Ingress Protection	IP30
Dimension	120 × 85 × 32.5 mm (4.72 × 3.35 × 1.28 in)
Material & Color	PC+ABS (Flame Retardant), White
Installation	Wall Mounting

GS 101 Residential Gas Detector

DIMENSIONS (MM)



* Tested under laboratory conditions and for guideline purposes only

017 299 6500
C-8-2, Blok C, Setia Walk, Persiaran Wawasan, Pusat Bandar Puchong, 47160 Puchong, Selangor, Malaysia.
info@ipsec.com.my
https://www.ipsec.com.my