

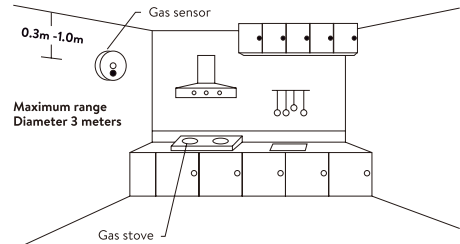


Thechnical characteristics

POWER SUPPLY	INDICATORS	DIMENSIONS	TEMPERATURE	SOUND LEVEL
230VAC 50Hz (+/-10%)	3 LEDS	Ø 83mm H 34 mm	50°C -10°C	75db/1m
IP20	Z-WAVE PLUS	CE		
Download on the App Store	* For more information on the EU Declaration of Conformity and Z-Wave® frequencies, consult the product sheet on our website simonelectric.com			
Get it on Google play				

INSTALLATION

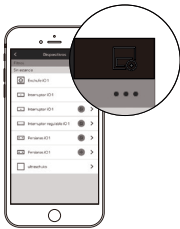
- 1 Select the appropriate location to install the outlet and insert the alarm into the outlet.



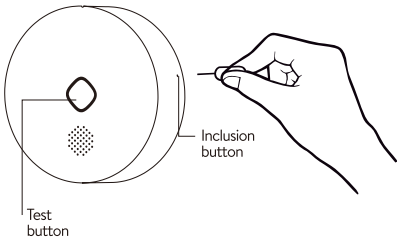
To ensure good transmission quality, keep away from sources of interference such as metal surfaces, microwave ovens, hi-fi equipment, televisions, ballasts or transformers.

- 2 Download the Simon iO application. After creating the installation, go to “Devices” and click on add device, which can be found at the top right of the application.

- 2.1 Download the Simon iO application
- 2.2 Go to “Devices” and click on add device.



- 3 Press down on the inclusion button for three seconds, then release. The LED will blink intermittently until the device is shown on the APP.



DESCRIPTION

The iO combustible gas sensor features low power consumption. It is used to detect the leakage of flammable gas. If the alarm detects gas leakage and reaches the alarm concentration, the alarm will sound immediately and send a notification to the APP in real time.

KEYPAD USE & FEEDBACKS

EVENT	BUTTON ACTION	DEVICE STATUS	LEDs FEEDBACK	SOUND FEEDBACK	DEVICE ACTION
Preheat	Not pressed	Initializing	Green, red, yellow LEDs blinks intermittently	No feedback	
Standby mode	Not pressed		Green LED permanently ON	No feedback	
Add/Removing device from Z-Wave Network	Long press inclusion button (2s<t<30s)		Green LED blinks intermittently every 300ms After included: Green LED blinks 5 slowly 5 times After excluded: Green LED blinks keeps on during 2.5 seconds	No feedback	The device sends a Node Info to include or exclude from the Z-Wave Network
Test mode	Test button short press (t<2s)	Not detecting gas and standby mode	Green, red, yellow LEDs blink intermittently	Beeps twice	If feedback is correct it means the sensor is working correctly
Alarm mode	Not pressed	Gas detected	Red LED blinks fast	Beeps twice continuously	
Fault mode		Internal circuit of the sensor fails	Yellow LED permanently ON	Beeps continuously	
Reset default	Long press inclusion button (t>30s)		LED turns on for 2,5 seconds and then turn OFF		Configurations are set to default values, it sends a “Device Reset Locally to Z-Wave controller” and excludes from current Z-Wave network

* please use "Reset default" procedure only when the network primary controller is missing or otherwise inoperable.

Z-WAVE COMPLIANCE

This is a Z-Wave Plus® Product using the latest S2 Security Encryption. This product can be operated on any Z-Wave network with other Z-Wave certified devices from other manufacturers. All non-battery operated nodes within the network will act as repeaters regardless of vendor to increase the reliability of the network.

Z-WAVE SPECIFICATIONS

Z-WAVE DEVICE SPECIFICATION		SUPPORTED COMMAND CLASSES	
Device Type	NOTIFICATION SENSOR	COMMAND CLASS ASSOCIATION GROUP INFO	
Generic Device Type	GENERIC_TYPE_SENSOR_NOTIFICATION	COMMAND CLASS ASSOCIATION V2	
Specific Device Type	SPECIFIC_TYPE_NOTIFICATION_SENSOR	COMMAND CLASS DEVICE RESET LOCALLY	
Role Type	ALWAYS ON SLAVE	COMMAND CLASS MANUFACTURER SPECIFIC V2	
		COMMAND CLASS NOTIFICATION V7	
		COMMAND CLASS POWERLEVEL	
		COMMAND CLASS VERSION V2	
		COMMAND CLASS Z-WAVE+ INFO V2	

ASSOCIATION GROUPS

Number of Groups	Group 1 General: Lifeline
Max. devices in Group	1
Actions	1. Include command classes: Notification Report and Device Reset Locally notification.
Number of Groups	Group 2 Control: Key01
Max. devices in Group	5
Actions	1. Notification reports status of gas detected or no gas detected via Lifeline. 2. When the sensor detects status change of gas detected and no gas detected, the device will be triggered.
Supported Notification	
Gas Alarm(0x12)	Previous Events cleared (0x00) (V7) Combustible Gas detected Unknown Location(V7)

WAKE UP

Wake Up - Wake Up Notification is transmitted:
- Wake up Notification is transmitted every 24 hours by default.
- When user presses the button during 2sec<T<30sec and device is included.

INSTALLATION PRECAUTIONS

- Because natural gas is lighter than air, the alarm should be installed 0.3 to 1.0 meters below the ceiling, within 1.5 meters of the gas source radius.
- Select the appropriate location to install the outlet and insert the alarm into the outlet.
- Please note that we recommend installing it at a distance of 1 meter from gas stoves to avoid the alarm being heated by the stove's flames. Air currents can affect the alarm's detection sensitivity. It cannot be installed near exhaust fans, windows, doors, or in bathrooms with significant steam.

MAINTENANCE

- This product has a test button that can be used to detect whether the alarm's LED and buzzer can work normally. When the test button is pressed, the green, red, and yellow LEDs flash alternately and the alarm beeps.
- Continuous use of the alarm will lead to the gas convection window becoming dirty, affecting the alarm's sensitivity. Users should clean the gas convection window with a damp cloth and a small amount of detergent every three months (or depending on the contamination). Do not allow the cleaning fluid to enter the alarm's body. After cleaning, retest the product.

NOTICE AND TIPS

- The detection gas is methane. It cannot be used to detect carbon monoxide and other toxic gases.
- We recommend removing the alarm during renovations.
- Avoid spraying aerosols near the alarm.
- The lifespan of the semiconductor sensor used in the alarm is five years. Once its service life has ended, please replace it promptly.
- Do not use a lighter to directly test the alarm convection window in order to avoid damaging the internal sensor.
- This product must be regularly maintained in accordance with the requirements of the instructions.