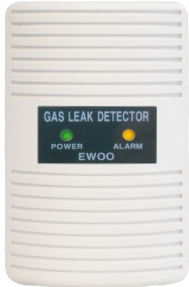


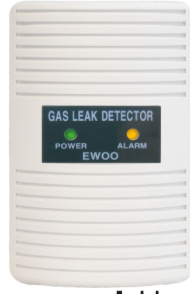
[EW301-R]



Input Power
AC220V 60Hz
AC230V 50Hz

Alarm output
Relay contact
White(COM)
Green(NO)

[EW301-O]



Input Power
AC220V 60Hz
AC230V 50Hz

Alarm output
DC12V 70mA
Red (+)
Black (-)

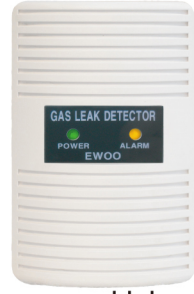
[EW301-DCR]



Input Power
DC12V 100mA
Red (+)
Black (-)

Alarm output
Relay contact
White (COM)
Green (NO)

[EW301-DC]



Input Power
DC12V 100mA
Red (+)
Black (-)

Alarm output
DC12V 70mA
White (+)

Name	Model	EW301-R	EW301-O	EW301-DCR	EW301-DC
Detector Gas		LPG, LNG, City Gas (Methane, Butane, Propane)			
Alarm Point		LEL 1/4 Point (user adjustable, Variable setting)			
Detection Method		Catalytic, Combustion (Hot-wire type), Diffusion type			
Response Time		Within 20 seconds			
Operational Temperature Relative Humidity		-10°C~40°C, 90% Rh			
Input Power		AC 220V 60Hz AC 230V 50Hz	AC 220V 60Hz AC 230V 50Hz	DC 12V 100mA	DC 12V 100mA
Power Consumption/ Size		6.8mA (230V) 1.5W		74x120x43mm	
Alarm Output		Relay contact White (COM) Green (NO)	DC 12V 70mA Red (+) Black (-)	Relay contact White(COM) Green(NO)	DC 12V 70mA White (+) Black (-)

1. Installation Place

As LPG gas shall be installed near the floor as it is heavier than air (within 30cm above the floor), while LNG gas shall be installed near the ceiling as it is lighter than air (within 30cm below the ceiling). Please confirm if it is well operated by inserting regularly the gas (standard gas LEL 25%) into alarm device one time per month.

2. Notice and instruction

[Notice]

- It is not allowed for any person except the engineer of our company to disassemble, alter and repair the device.
- Surely to install the earthing line in case it is the product with earthing terminal.
- Do not touch the electric cord or body with wet hand.
*Improper Place for installation: Ventilation fan, electric fan, air inlet place with much steam and moisture around exit and place with excessive smoking or heat.

[Instruction]

- Do not wet the body
- No impact, drop or throwing is allowed
- Do not cover or hide the gas leak alarm device (detection device)
- Please pull out the electric cord by grasping the plug
- Do not damage the electric cord nor put heavy material on it
- Do not use it in the place with much moisture or dust
- Do not carry out the silicone work to affect the gas leak alarm device (detection device), which will be the trouble reason owing to the material occurred in silicone adhesive
- As for the voltage, please use the rated voltage indicated on the product
- Do not spray the kind such as aromatic, insecticide and etc. to the gas detection device
- Please take gas leakage test with standard gas

[Instruction for Operation]

- If warning is despised, there is any possibility that the physical damage may occur

3. Instruction against gas leakage

- To fasten the gas valve
- To ventilate the air by opening the window
- It is not allowed to touch the electric heater (gas range), electric device (ventilating fan) or plug nor to handle the switch
- Please check the gas leakage place after checking the gas pipe

4. Measure against Abnormal Status

Abnormal status	Measure
In case alarm is frequently sounded during cooking	Please keep away installation place of alarm device from cooking device owing to false operation from vapor or miscellaneous gas (To install it with 4m and above 1m radius from cooking device)
Relative to inspection of alarm device, in case flickering buzzer is not sounded in alarm lamp (yellow) even standard gas is inserted during operation	It is the case that gas can not be detected owing to overage of sensor detection in alarm device, Please enquire the main office or the selling store
In case alarm is sounded when spray type of insecticide is used	In case spray type of insecticide or other volatile gas is used, alarm device may be operated (It can be reused after removal of the smell)
In case alarm is continuously sounded under the state when alarm lamp (yellow) is off	Gas detection sensor is out of life span or does not work. Please stop using it and enquire the main office or the selling store