

TOP GAS KOREA INC



GAS DETECTOR (HOME USE, INDUSTRIAL, 1CHANNEL, MULTICHANNEL) GAS LEAK ALARM SHUT-OFF SYSTEM

International exclusive distributor

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DA-30 GAS DETECTOR HOME USE



- With a waterproof structure, it can be used in places with a lot of moisture and water.
- In case of gas leakage, when the set alarm concentration is reached, the sensor detects and informs of the gas leakage with an alarm sound.
- It stabilizes the sensor by using the initial delay circuit for the stable movement of the sensing element.
- It is safe against temperature changes or voltage fluctuation at the place of use.
- It minimized power consumption and stabilized the sensor with the switch constant voltage method

SPECIFICATION

Model.	DA-30N/P	DA-32P/N	DA-31P/N	DA-33P/N
Type	Single, Immediacy alarm, Diffusion, Catalytic combustion type			
Power	220V AC / 50Hz		12V DC	
Temperature/Humidity for use	-20℃ ~ 40℃, ≤95% RH			
Electric power consumption	1.7W	1.8W	0.8W	0.9W
Object gas	LPG/LNG	LPG/LNG	LPG/LNG	LPG/LNG
Gas detection	-P LPG : 0.06~0.45% {600~4500PPM} -N LNG : 0.06~1.25% {600~12,500PPM}			
Alarm display	LED(Yellow) flashing and buzzer sound			
Initial stabilization time	20 seconds			
External connection out put	DC 5V Normally, DC10V When alaming	C 220V Normally, 0V When alaming	DC 5V Normally, DC10V When alaming	Relay contact signal (NO,NC,COM)
Dimension	73(W) × 110(H) × 40(D)			
Weight	210g	215g	95g	100g

DA-50/51 GAS DETECTOR INDUSTRIAL, 1 CHANNEL

- As a separable type, it consists of an explosion-proof detection unit that detects gas leakage and a receiver unit that receives the detected signal and displays the gas concentration.
- As the receiver unit and detection unit are separated, it is easy to check the gas leakage status of gas facilities at remote locations.
- Accurate detection even in case of minor gas leakage.
- Built-in artificial intelligence algorithm to prevent malfunction by noise.
- Industrial single circuit.

SPECIFICATION



DA-50 Receiving Part	Type	Industrial(1 channel), Diffusion, Catalytic combustion type
	Power	100~240Vac
	Temperature / Humidity for use	-20℃ ~ 50℃, ≤95% RH
	Electric power consumption	4.5W
	Object gas	LNG / LPG
	Readout Range	0~100% LEL
	Alarm display	3 DIGIT FND & LED DISPLAY (ICON)
	Initial stabilization time	Within 20 seconds
	External connection output	DC 5V Normally, DC10V When alaming Relay contact signal (NO,NC,COM) Current signal(4~20mA)
	Dimension	155(W) × 200(H) × 75(D)
	Weight	620g
DA-51 Receiving Part	Type	Industrial(1 channel), Diffusion, Catalytic combustion type
	Power	100~240Vac
	Battery	DC14.4V, 300mAh, Ni-Cd
	Temperature / Humidity for use	-20℃ ~ 50℃, ≤ 95% RH
	Electric power consumption	6W
	Object gas	LNG / LPG
	Readout Range	0~100% LEL
	Alarm display	3 DIGIT FND & LED DISPLAY (ICON)
	Alarm Point	15%LEL(LOW), 50%LEL(HIGH) (User adjustable)×(Variable setting)
	Initial stabilization time	Within 20 seconds
	External connection output	DC 5V Normally, DC10V When alaming Relay contact signal (NO,NC,COM) Current signal(4~20mA)
	Dimension	155(W) × 200(H) × 75(D)
	Weight	760g
DA-100 Detection Part	Type	Combustible catalytic sensor circuit
	Power	DC20V (RANGE DC15~24V)
	Temperature / Humidity for use	-20℃ ~ 50℃, ≤ 95% RH
	Structure	Ex dIIB T6/ Flame proof Enclosures
	Dimension	110(W) × 137(H) × 73(D)
	Weight	680g


DA-73 GAS DETECTOR

INDUSTRIAL, MULTICHANNEL

- As a separable type, it consists of an explosion-proof detecting unit that detects gas leakage and a receiving unit that receives the detected signal and displays the gas concentration.
- As the receiver unit and detection unit are separated, it is easy to check the gas leakage status of gas facilities at remote locations.
- Accurate detection even in case of minor gas leakage.
- Built-in artificial intelligence algorithm to prevent malfunction caused by noise.
- It can be manufactured in two or more circuits, enabling to detect multiple areas.

SPECIFICATION


DA-73 Receiving Part	Type	Industrial(multichannel), Diffusion, Catalytic combustion type
	Power	85~265Vac
	Battery	DC16.8V, 600mAh, Ni-Cd
	Temperature / Humidity for use	-20℃ ~ 50℃, ≤ 95% RH
	Electric power consumption	8.1W (3 channel)
	Object gas	LNG / LPG
	Readout Range	0~100% LEL
	Alarm display	3 DIGIT FND & LED DISPLAY (ICON)
	Alarm Point	15%LEL(LOW), 50%LEL(HIGH) (User adjustable)×(Variable setting)
	Initial stabilization time	20 seconds
	External connection out put	DC 5V Normally, DC10V When alaming Relay contact signal (NO,NC,COM) Current signal(4~20mA)
	Dimension	337(W) × 275(H) × 170(D)
	Weight	5800g


DA-100 Detection Part	Type	Combustible catalytic sensor circuit
	Power	DC20V (RANGE DC15~24V)
	Temperature / Humidity for use	-20℃ ~ 50℃, ≤ 95% RH
	Structure	Ex d ll B T6/ Flame proof Enclosures
	Dimension	110(W) × 137(H) × 73(D)
	Weight	680g

Gas leak alarm/shut-off system

- Automatic blocking in case of gas leaks. Remote control(open/close) is also available.
- You can check the open and closed status from the control unit.
- Blocking can be quickly done with the speed within 10 seconds (for home use) and 30 seconds (for industrial use).
- It can be used for intermediate valves in piping.
- It can be used for automatic control systems in various plants of industrial power generation facilities and heating and cooling facilities.
- It can be opened and closed manually even in case of power cut or emergency.

SPECIFICATION

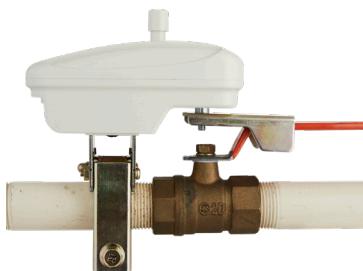
CONTROL PART	Model	CA-101	CA-102/CA-103
	Power	85~265Vac	100~240Vac
	Alarm signal	1 channel	2 channel / 3 channel
	Shut off valve	DC12V	DC 12V
	Electric power consumption	3W	3W
	Temperature / Humidity for use	-20℃ ~ 50℃, ≤95% RH	-20℃ ~ 50℃, ≤95% RH
	Shut-off type	Remote and manual operation	Remote and manual operation
	Shut-off valve	15A, 20A, 25A	15A, 20A, 25A
	Option	Relay contact Signal (NO,NC,COM)	Relay contact Signal (NO,NC,COM), RS-485
	Dimension	85(W) × 125(H) × 42(D)	85(W) × 125(H) × 42(D)
	Weight	210g	230g

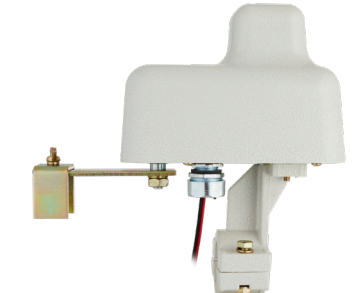
CONTROL PART	Model	CA-203 / CA-206 / CA-209
	Power	100~240Vac
	Alarm signal	3 channel / 6 channel / 9 channel
	Shut off valve	DC24V
	Electric power consumption	3W / 5W / 8W
	Temperature / Humidity for use	-20℃ ~ 50℃, ≤95% RH
	Shut-off type	Remote and manual operation
	Shut-off valve	32A, 40, 50A, 65A, 80A, 100A
	Option	Relay contact Signal / (NO,NC,COM), RS-485
	Dimension	155(W) × 200(H) × 75(D)
	Weight	730g

Gas leak alarm/shut-off system



SPECIFICATION

	SHUT-OFF PART	Model	VA-015, VA-020, VA-025
		Type	Geared motor(lever type)
		Valve	15A, 20A, 25A
		Power	DC12V
		Manual operation	Clutch push method
		Temperature / Humidity for use	-20℃ ~ 50℃, ≤ 95% RH
		Rotation speed (90 degrees)	Within 10 seconds
		Dimension	70(W) × 150(H) × 140(D)
		Weight	390g

	SHUT-OFF PART	Model	VA-32, VA-040, VA-050, VA-065, VA-080, VA-100
		Type	Geared motor(lever type)
		Valve	32A, 40A, 50A, 65A, 80A, 100A
		Power	DC24V
		Manual operation	Clutch push method
		Temperature / Humidity for use	-20℃ ~ 50℃, ≤ 95% RH
		Rotation speed (90 degrees)	Within 30 seconds
		Dimension	1100(W) × 2600(H) × 2900(D)
		Weight	3500g

 **TOP GAS KOREA**
Safety first !