



GASTRON CO.,LTD.

[www.gastron.com](http://www.gastron.com)

GCD-200A

## Commercial Gas Detector Manual



- Please read this manual carefully before installing the detector.
- The specification of the detector can be changed without prior notice to improving its performance.

## Introduction:

The commercial gas detector GCD-200A is an IP66-rated product specifically designed to detect gas leaks in commercial environments that are wet, oily, dusty, and cleaned using high-pressure water sprays.

## Function:

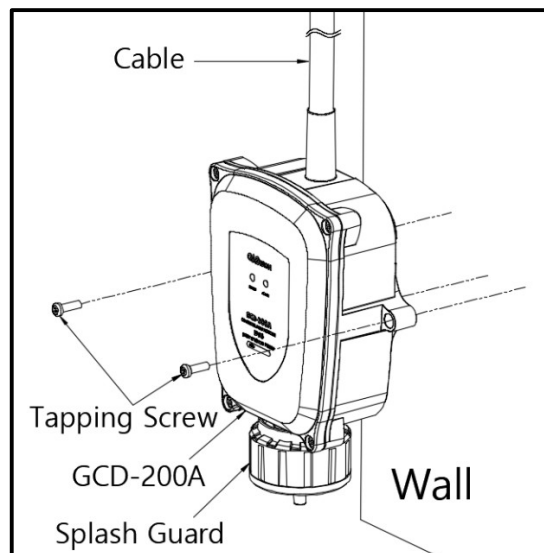
If gas concentration rises above the alarm threshold due to a leakage, the alarm lamp turns 'ON,' and the alarm is triggered. Simultaneously, a relay output signal is sent to the fire alarm panel, which activates the wet chemical system, ventilation system, and shuts off the solenoid valve.

## Specification:

I T E M S	S P E C I F I C A T I O N
Operation Power	Voltage: AC220V~AC240V Frequency: 50Hz, 60Hz Power Consumption: 1.5W
Detection Gas	LPG, LNG, H2, Hydro-carbon etc.
Alarm Concentration	LPG Gas: 600~4,500ppm LNG Gas: 600~12,500ppm
Detection type	Diffusion
Measuring Method	Catalytic type
Response Time	Less then 20sec
Operation Temp.	-20~ 50℃
Operation Humidity	10 ~ 95% RH (Non-condensing)
Alarm Signal	Alarm lamp(yellow), buzzer(audible), DC12V Output
Approval	CE, Suruhanjaya Tenaga
Dimensions	171.25(W)X118.08(H)X53.45(D)mm 204.65(W)X118.08(H)X53.45(D)mm (With Splash guard)
Weight	300g 320g (With Splash guard)
IP Grade	IP 66

## How to install:

- ① Each type of gas detector should be installed in a different position depending on the gas type, so be sure to confirm the gas to be detected before installation.
- ② Fix the GCD-200A to the wall with a Tapping screw(4X12) with a wall plug.
- ③ Check the Power supply's voltage & frequency - AC230V 50Hz - before using the detector.



### ◆ NG (Natural Gas):

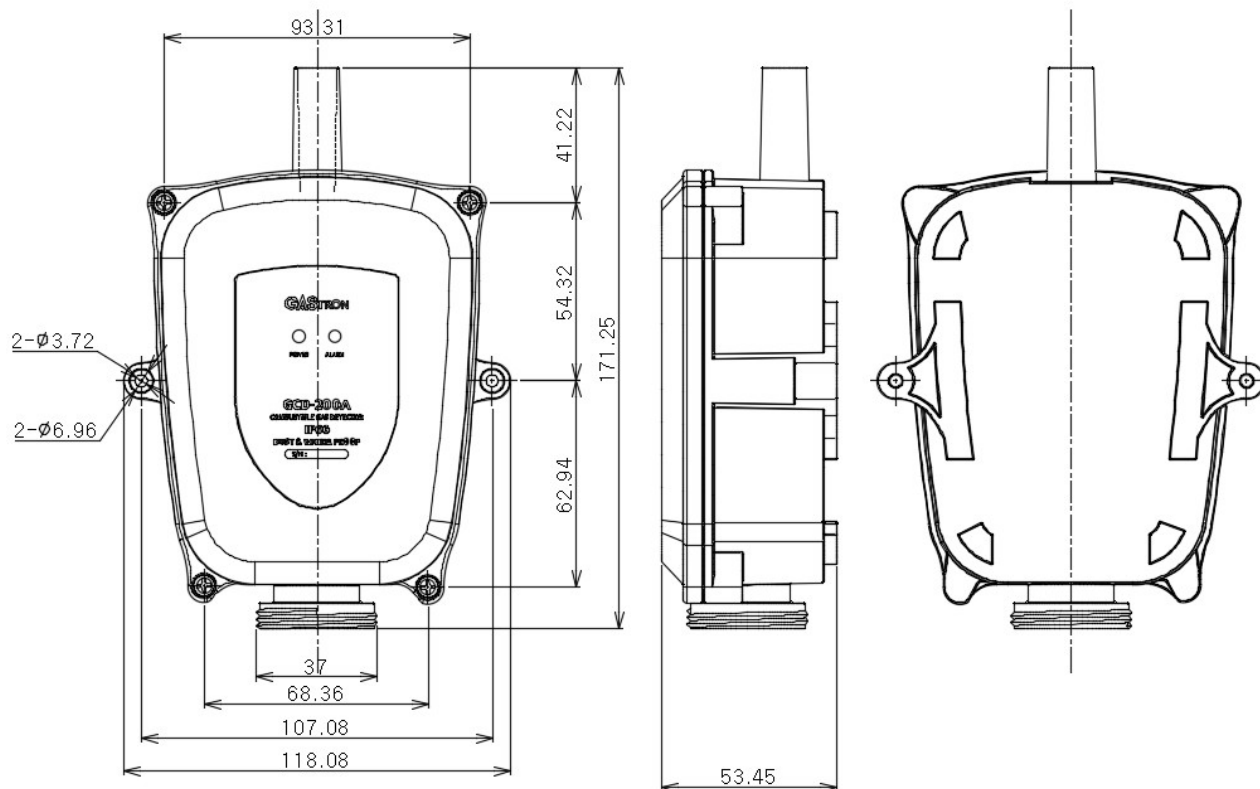
Since natural gas is lighter than air, the NG detector should be installed within 30 cm of the ceiling.

### ◆ LPG (Butane Gas):

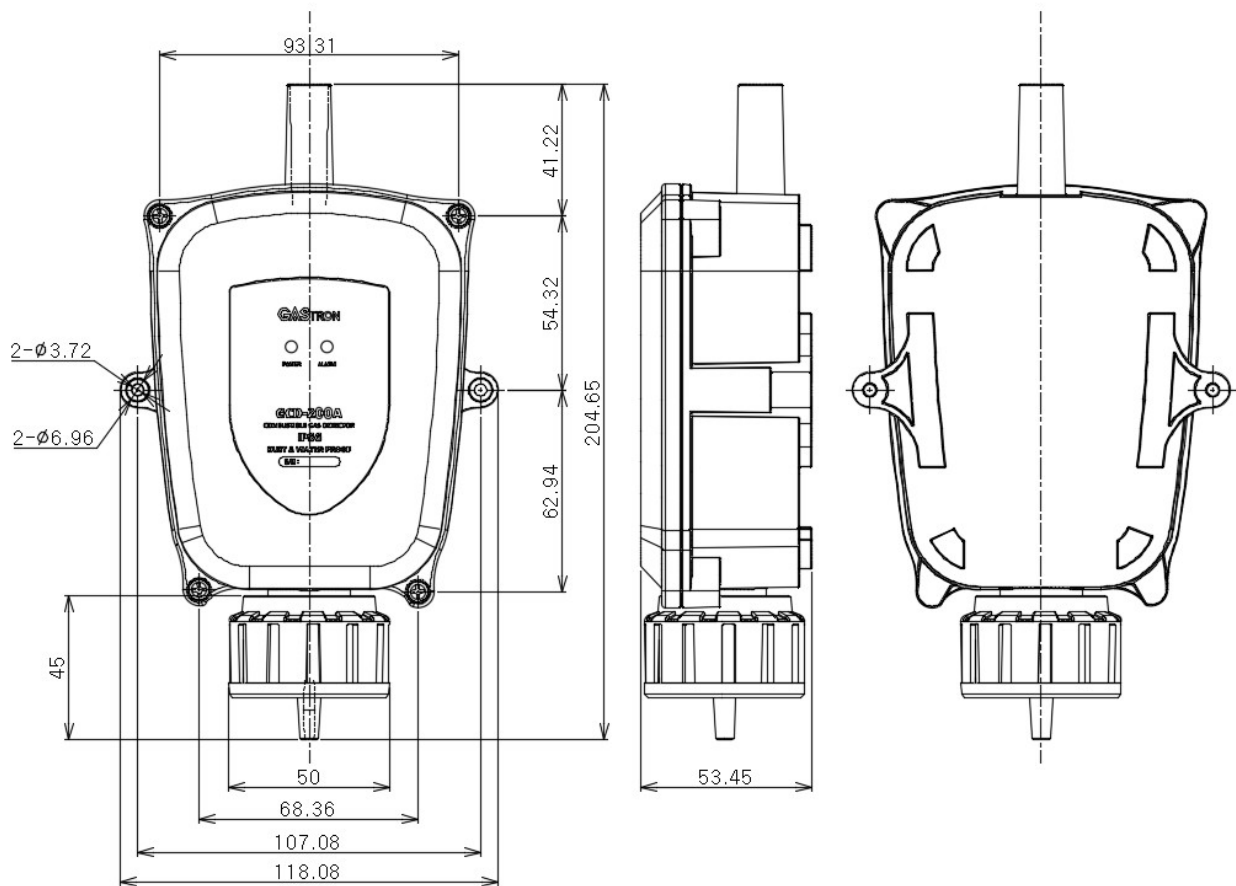
Since LPG gas is heavier than air, the LPG detector should be installed within 30 cm of the floor.

### ◆ Sensor coverage: 4-meter radius.

## GCD-200A Dimensions:



## GCD-200A with Splash guard Dimensions:



## Check Points:

- ① Ensure that the power lamp of the gas detector is 'ON.' If the power lamp is 'OFF':
  - ▶ Check the Power plug's connection to the Power Supply.
  - ▶ Check if the fuse(250V 1A) in Gas detector is broken.
- ② An inspection with test gas at 50% LEL is recommended every three months.

When test gas is injected into the gas sensor, the alarm lamp turns 'ON' and the alarm is triggered after a few seconds. If the test gas remains above the alarm threshold, the alarm lamp and buzzer will stay continuously 'ON.'
- ③ If there is any other problem, please call to A/S center in your region.

## PRODUCT WARRANTIES

The quality assurance for this product is valid for one year from the original date of purchase.

1. If a breakdown occurs during the one-year quality assurance period under normal use, the manufacturer will repair the product at no charge, except in the cases listed below.

2. The repair charge will be the customer's responsibility in the following cases.

- Misuse or careless handling
- Natural disasters
- Breakdowns resulting from repairs or modifications made by unqualified individuals or those not assigned by Gastron or the A/S center

3. No warranties or compensation will be provided in the following cases:

- Malfunctions caused by modifications made by the user (consumer) or damage caused by on-site workers or management.

Model		GCD-200A	Inspection	Memo
Serial No.				
Date				
Customer	Name			
	Address			
	Tel.			

The logo for GASTRON, with 'GAST' in red and 'RON' in green, in a bold, sans-serif font.

**GASTRON CO.,LTD.**

23, Gunpocheomdansaneop 1-ro, Gunpo-si,

Gyeonggi-do, 15881, Rep. of KOREA

TEL: +82-31-490-0800 FAX: +82-31-490-0801