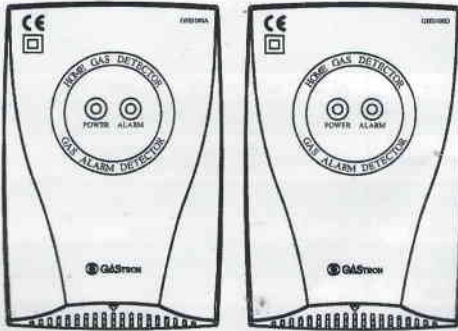


## HOME GAS DETECTOR MANUAL GHD100 Series



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

### Introduction:

Home Gas Detector (GHD100A) is used for preventing explosion or suffocation accidents by detecting any explosive gas leakage in home.

### Function:

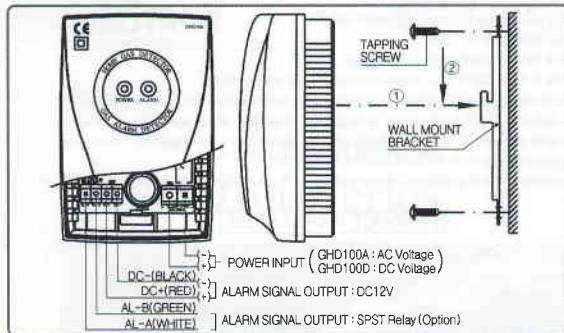
If gas concentration rises above the alarm setting value due to a gas leakage, Alarm lamp is "ON" and alarm is triggered for indicating gas leakage to user. At the same time, DC 12V & relay contact signals are outputted and can be used for user's system.

DC 12V Signal can be used with the direct connection between home gas detector (GHD100A) and our gas valve control unit (GVC1000), and actuates gas shut-off valve to automatically shut off gas flow.

### Specification:

ITEM	SPECIFICATION	
	GHD100A	GHD100D
Operation Power	AC240V 50/60Hz 1.5W	DC24V / Max300mA
Detection Gas	LPG, LNG, TOWN Gas 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 SPST Relay Output(Optional)	
Approval	CE	
Dimensions	73(W)X109(H)X45(D) mm	
Weight	200g	120g

### Introduction:



- Choosing installation position  
Each type of Gas detector has a different position to be installed according to gas type, so please make sure of gas to be detected before the installation.
  - LNG (Natural Gas):  
The LNG detector should be installed not more than 30cm from ceiling.
  - LPG (Butane Gas):  
The LPG detector should be installed not more than 30cm from floor.

\* Natural Gas is lighter than air, so leaked LNG gas goes up to ceiling and LPG gas is heavier than air, so the leaked LPG gas goes down to floor.  
So please check the detecting gas before deciding installation position.  
\* Gas detector should be installed near the position where gas leakage is suspected, suspected.  
\* Installation should be avoided at where having high temperature & humidity.
- Fix the Bracket of Gas detector to wall with Tapping screws. User can use double stick tapes, If you have. (Please use tapping screws on uneven surface or humid circumstance)
- Connect the power supply & signal cables to detector according to above drawing. Please check to make sure to supply electrical power after installation for avoiding accidental electric shock.  
(Please skip this process when the cables were already connected.)
- Insert the Gas detector (GHD100A) in the bracket (1) and push down the control unit to fix it(2).

### Check Points:

- Check if power lamp on gas detector is "ON".  
If the power lamp is "OFF"  
- Check the connection of power plug.  
- Check if fuse (250V 1A) in gas detector is disconnected.
- Check the operating condition of gas detector with testing gas once in a month.  
Alarm lamp is "ON" and alarm is triggered together after injection of testing gas to gas sensor. If test gas is remaining above the alarm setting level, the alarm lamp & buzzer sound are continuously "ON".
- If there is any other problem, please call to A/S center in your region.

### PRODUCT WARRANTIES

The quality assurance duration of this product is for 1 year after original date of consumer purchase. Please check to make sure to write down "purchase date" on this sheet for free A/S in quality assurance duration

- When the breakdown occurs during the quality assurance period - 1 year after purchase date - in the normal using condition, the manufacturer will repair the product with no charge except as stated below.
- The repair charge & will be paid by the customer in the below case.
  - Misuse or handling carelessness
  - Natural disaster
  - Breakdown due to a repair or rebuilding by unqualified or not assigned person by Gastron or A/S center
- No warranties or Compensation will be made in the case of malfunctions due to modifications by user(consumer), or damages of human body or property caused by them

Model	<input type="checkbox"/> GHD100A / <input type="checkbox"/> GHD100D	Inspection
Serial No.		
Date		
Customer	Name	
	Address	
	Tel	