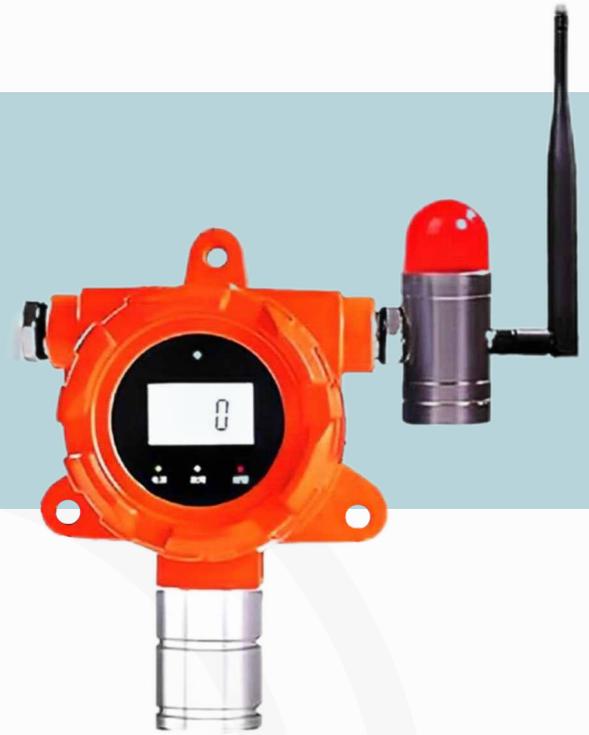


[Please refer to page 5 for selection details](#)



# Combustible Gas Detector GDA70

## Overview

Combustible gas detectors are used for long-term continuous monitoring of gas content in the air. They are installed in places where gas leaks easily and connected to gas alarm controllers to form a complete gas monitoring system.

## Function Characteristics

High stability, low power consumption, anti-interference;  
LCD display screen, intuitive reading, more accurate reading;  
Sound and light alarm lights, dual warning, take timely measures to exceed the alarm value, buzzer sounds, light flashes;  
Die cast aluminum material, explosion-proof, durable, rust proof and anti-corrosion;  
One host can connect multiple probes;  
Wireless connection, no wiring required, easy installation;

## Application

Suitable for gas stations, paint booths, factories, restaurants, warehouses, liquefied gas stations and other places.



## Technical Specifications

Model	GDA70
Product Image	
Detection Principle	Catalytic combustion, electrochemical, semiconductor, infrared
Power Signal	DC24V 4-20mA、RS485、Two buses
Power Consumption	1.2W
Working Environment	Temperature: Flammable: -40 °C -70 °C; Toxicity: -20 °C -50 °C Humidity: ≤ 95% RH
Atmospheric Pressure	86KPa—106KPa
Insulation Resistance	Under normal conditions, it is greater than or equal to 100M ohms, and under relative humidity of 94% RH, it is greater than or equal to 1M ohms
Zero Drift	≤ ± 1% (F.S/year)
Recovery Time	≤10S
Working Hours	24-hour continuous work
Installation Method	Wall mounted, pipeline mounted, and flow-through (related to monitoring environment)
Gas Type	Combustible gases, oxygen, carbon dioxide TVOC、 Hydrogen cyanide, arsine, toxic and harmful gases, etc

## Product Dimensions



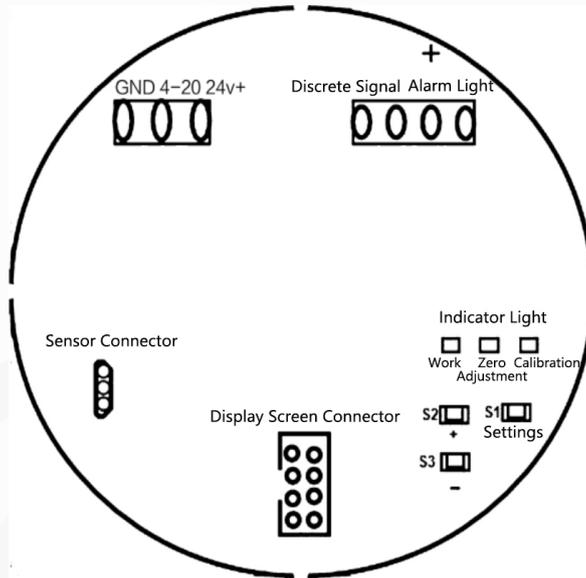
## Technical Parameters Of Supporting Gas Alarm Controller

Alarm Alert	Sound and light alarm
Working Voltage	AC 220V, 50HZ
Output Signal	RS485 and switch output
Power Consumption	Temperature: Flammable: -40 °C -70 °C; Toxicity: -20 °C -50 °C Humidity: ≤ 95% RH
Product Power Consumption	Less than or equal to 10W
Overall Dimensions	300x250x60mm
Alarm Method	Level 2 sound and light alarm
Usage Environment	Temperature: -20 °C -50 °C; Humidity: less than 95%
Alarm Settings	Low limit alarm, high limit alarm
Applicable Subjects	Detector that supports various standard outputs of 4-20mA signals
Relay Output	Multi channel passive relay signal output, default one-to-one correspondence with input signal, adjustable corresponding channel and output mode
Detection Principle	The system provides 24V standard DC voltage to external detectors, collects standard 4-20mA detector input signals, analyzes and processes them to complete the data acquisitionCode display and alarm.

## Product Dimensions

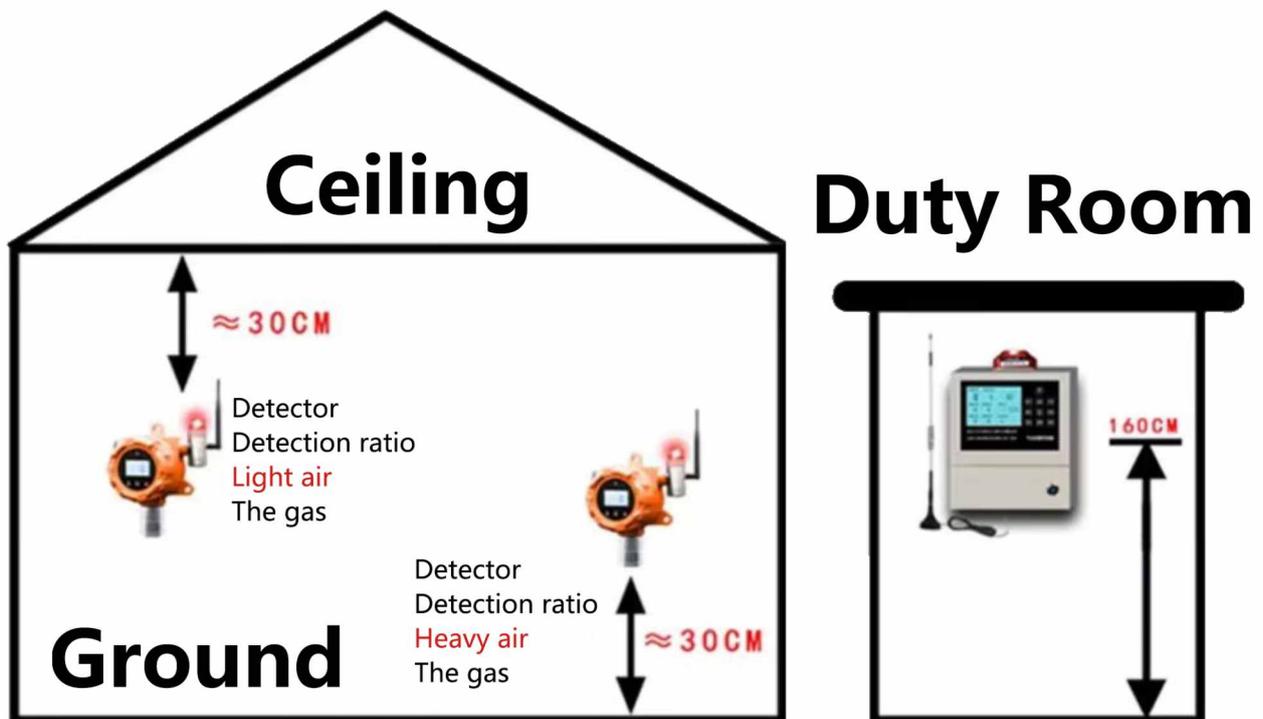


### Instructions For Wiring Terminals



### Installation Diagram

Wireless installation diagram of host and detector



### GDA70- Selection Composition

Example Of Selection **GDA70** CH4 / A / 10% / S / C / M

1. Detection Principle	<b>CO</b>	carbon monoxide
	<b>CO2</b>	carbon dioxide
	<b>O2</b>	oxygen
	<b>H2</b>	hydrogen
	<b>NH3</b>	ammonia
	<b>H2S</b>	hydrogen sulfide
	<b>LNG</b>	liquefied petroleum gas
	<b>CH4</b>	methane
	<b>C2H2</b>	acetylene
	<b>C3H3</b>	propane
	<b>C2H6</b>	ethane
	<b>C2H4</b>	ethylene
	<b>T ( )</b>	Please indicate the chemical formula or name of the gas
2. Measure Gas	<b>A</b>	catalytic combustion type
	<b>B</b>	Electrochemical formula
	<b>C</b>	Semiconductor type
	<b>D</b>	Infrared type
	<b>T ( )</b>	Other principles
3. Measurement Range	<b>R ( )</b>	Please note
4. Power Signal	<b>S</b>	RS485
	<b>Z</b>	4-20mA
	<b>Y</b>	DC24V
	<b>L</b>	bus
	<b>V</b>	relay
	<b>T ( )</b>	Other output signals
5. Power Supply	<b>C</b>	24VDC
	<b>D</b>	220VAC
	<b>T ( )</b>	Other power sources
6. Explosion Proof Type	<b>M</b>	flameproof

#### Explanation:

GDA70 combustible gas detector, detection principle is catalytic combustion, measuring methane gas, measuring range of 10%, output signal RS485, power supply 24VDC, explosion-proof shell.

### Product Certification

Compliance and approval; The Ludwig water quality analyzer meets key standards and certifications for process measurement technology; To ensure the highest reliability in such settings;