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

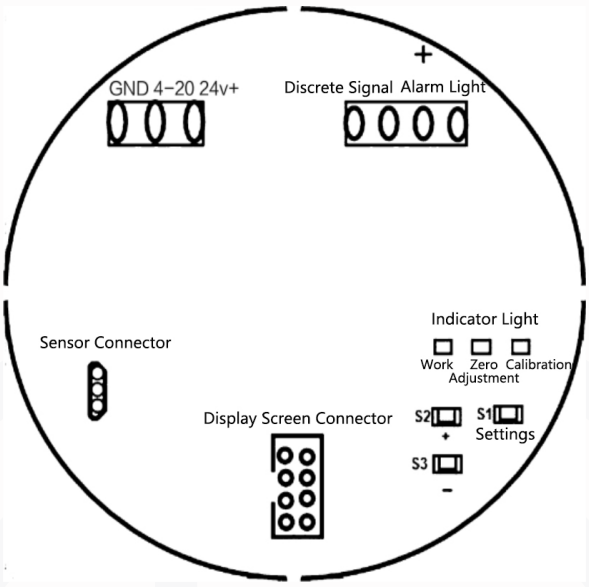
Model	GDA70
Product Image	
Detection Principle	Catalytic combustion, electrochemical, semiconductor, infrared
Power Signal	DC24V 4-20mA、RS485、 Two buses
Power Consumption	1.2W
Working Environment	Temperature: Flammable: -40 ℃ -70 ℃; Toxicity: -20 ℃ -50 ℃ Humidity: ≤ 95% RH
Atmospheric Pressure	86KPa —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

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 ℃ -70 ℃; Toxicity: -20 ℃ -50 ℃ 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 ℃ -50 ℃; 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.

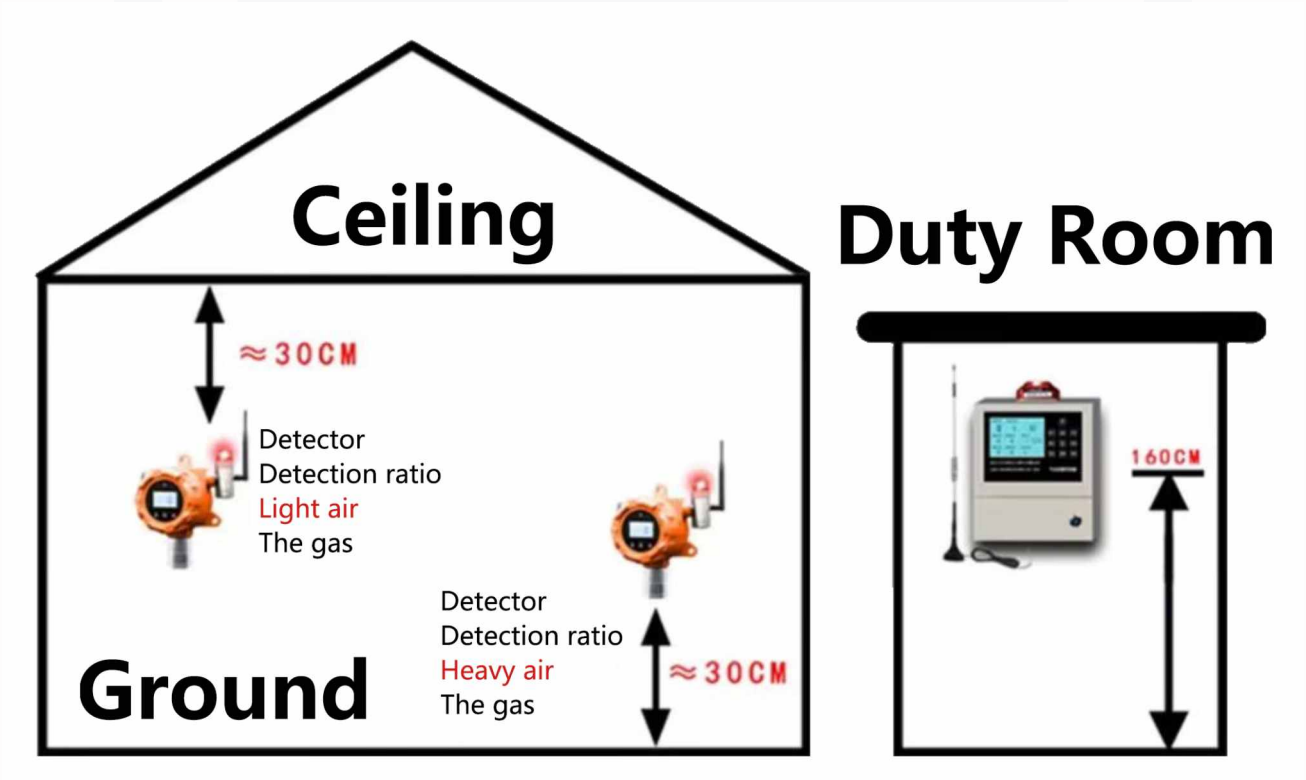
Product Dimensions

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 / C / - / Q

(1 2 3 4 5 6 7 8)

1. Detection Principle	CO	Carbon monoxide
	CO2	Carbon dioxide
	O2	Oxygen
	H2	Hydrogen
	NH3	Ammonia
	H2S	Hydrogen sulfide
	LNG	Liquefied petroleum gas
	CH4	Methane
	C2H2	Acetylene
	C3H3	Propane
	C2H6	Ethane
	C2H4	Ethylene
	T( )	Please indicate the chemical formula or name of the gas
2. Measure Gas	A	catalytic combustion type
	B	Electrochemical formula
	C	Semiconductor type
	D	Infrared type
	T( )	Other principles
3. Measurement Range	R( )	Please note
4. Power Signal	S	RS485
	Z	4-20mA
	Y	DC24V
	L	Bus
	V	Relay
	T( )	Other output signals
5. Power Supply	C	24VDC
	D	220VAC
	T( )	Other power sources
6. Explosion Proof Type	M	Flameproof
7. Threaded connection (Flanged connection is not selected for this item)	P	M45*1.5
	T( )	Other thread specifications
8. Flange connection (threaded connection not selected)	A	DN65
	T( )	Other flange specifications

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, DN65 flange connection.

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;