

RD-3000A Control Unit+TGAS-1013 On-line Infrared gas transmitter



Brief Introduction

RD-3000A control unit is an intelligent on-line monitor control unit developed according to the need to environmental monitor in the process of industrial production. It can detect the content of measured gas in environment by connecting to sensing unit. When the content of measured gas in environment is above-norm, real-time alarm shall be performed. It has the functions of temperature and humidity detection, speech prompting for working status, remote alarm and inquiry of historical data, etc. This system can be extensively applied in petroleum, iron and steel and petrochemical industries, etc.

Main Features

- ◆ RS485 bus topology, detection, display, record and alarm of 200 detect points
- ◆ Display of log list by report for inquiry of historical data by working personnel
- ◆ Very wide design of working power supply 185~265VAC, preventing surge, anti-attack of thundering design
- ◆ Optional human body infrared detector, acoustooptic alarm, ganged blower fan or other linked functional assembly
- ◆ Steady mounting structure, low maintenance

Technical Parameters

Parameters	Characteristics
Standard configuration detection point	8 points (can be extended to 200 points)
Detection range of temperature	-20°C~100°C

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Detection range of relative humidity	0~100%
Operating voltage	185~265VAC
Power consumption	host machine <20W
Working environment	-20°C~60°C

RD-3000A control unit

Display screen	Display color: TFT 256 color (LCD)
Analog input	Input category: 1~8 way two-wire system, 4~20mA transmitter (16 ways at most) Voltage power consumption: 24V≤0.48W Connection mode: 2-core shield cable
Analog output	Output category : 1~8 way 4~20mA current output (16 ways at most) Output impedance: ≤750ohm Connection mode: 2-core shield cable
Relay	Contact mode: normally open Output mode: 1~8 branch alarm, 1-way general alarm (16 ways at most) DC voltage: 1A、24V Dc or 1A、120V AC
Other	Alarm storage: 8000 pieces of alarm messages Operating voltage: 110VAC~265VAC 40~63Hz power 65W Installation mode: wall mounting Dimensions: 440mm×330mm×130mm Weight: About 9.5kg
Interface	2-way RS485 interface, one master and one slave

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TGAS-1013 On-line Infrared gas transmitter



Brief Introduction

TGAS-1013 on-line infrared gas transmitter is base on the internet of things's air quality monitoring instruments .It used online monitoring for toxic gases, SF6 gas, O2, temperature, humidity, etc. Fast response, high accuracy, with a variety of selectable signal output mode. Passed through the third grade EMC industry test. Compliance

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with IEEE 802.15.4 wireless communication standard, ZigBee communication protocol support

It is widely used in such electric power, Laboratory Etc. Not easy wiring of the occasion with stable and reliable performance.

Main Features

- ◆ Compact structure, elegant appearance, easy installation
- ◆ RS485 bus. ZigBee wireless .Relay switch signal, 4 ~ 20mA four kinds of output mode output.
- ◆ Applies to toxic gases and sulfur hexafluoride (SF6) gas, oxygen (O2), temperature and humidity measurements, Detail see selection table
- ◆ Passed through the third grade EMC industry test
- ◆ Relay switching can be directly connected to the sound and light alarm device, used as a stand-alone alarm unit;
- ◆ In terms of electromagnetic compatibility and protection to meet the following requirements:

GB / T 17626.2-2006 3 level electrostatic discharge

GB / T 17626.4-2008 Level 3 EFT

GB / T 17626.5-2008 level 3 lightning (surge)

Technical Parameters

Parameters	Characteristics
Detectable gas	Sulfur hexafluoride, oxygen, carbon dioxide methane, poisonous and harmful gases
Communication Interface	RS485 bus.ZigBee wireless .Relay switch signal,4 ~ 20mA four kinds of output mode output
Insulation Resistance	≥1000M Ω
Measurement range	0-1500PPM
Sampling method	Diffusion
Working environment	Temperature: -4°C ~ 100° C Pressure: 950~1050hPa humidity: 0 ~100% RH (non-condensing)
Input voltage	24VDC (12VDC~24VDC)
Rated Power	3W
Display	6 * 2 LCD
Dimensions	142 mm X100 mm X58mm
Weight	350g

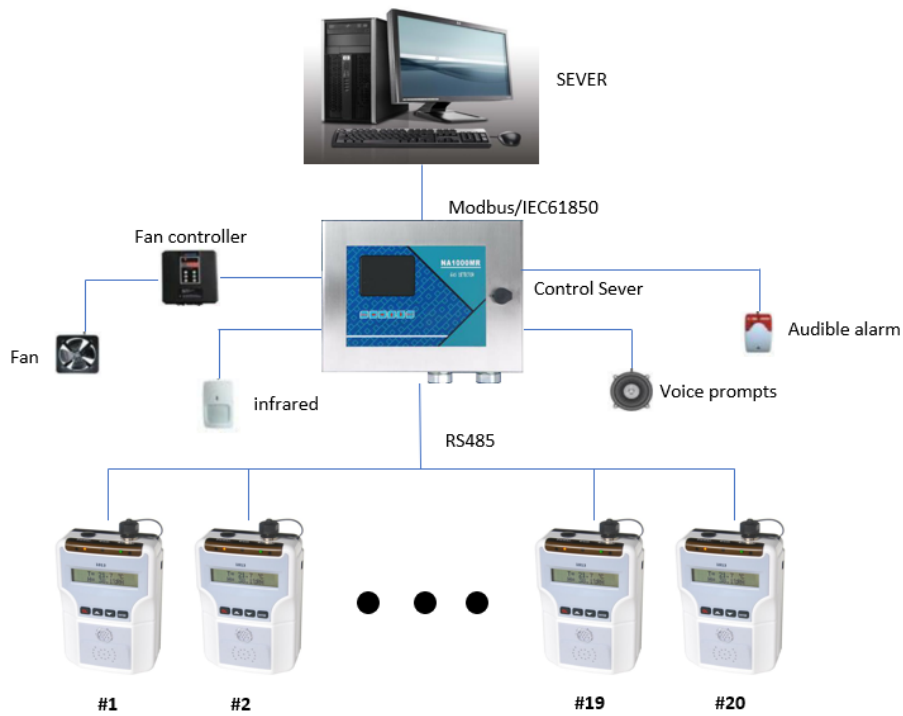
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On-line Infrared Gas Transmitter System



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