Gas Detection Control Panel

PT-1008

1 Overview:

Gas detection control panel, with the CTT's gas detectors, constitute industrial gas intelligent control system to monitor the industrial gas concentration on-site, alarm and take steps to prevent assets loss and save lives. When there is a gas or liquid in the air volatilized, the detector generates an electrical signal proportional to the measured gas concentration in the air. The signal is sent to the controller and the controller processes it to show the measured gas concentration. When the measured gas concentration reaches or exceeds the set value, the controller will give sound and light alarm signal and output the relevant control signal, start the corresponding control device, so as to avoid damage or loss.

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TOXIC/FLAMMABLE GAS DETECTION

2 Features and benefits:

- Wall-mounted structure, easy installation, simple debugging.
- Internal circuit using advanced microprocessor technology, so that the machine has a stable, high precision measurement, versatility, accurate and reliable detection.
- Each channel can be set two alarm value, with two different sound and light alarm signal
- 16 detector interfaces, 3 status relay output interfaces
- Commonly used 6 full-scale values in the software and other parameters can be modified on demand
- Users can expand the alarm processing equipment according to the requirements

3 Parameters:

Applicable scope	Measuring a variety of gas concentration, temperature, pressure
Channel input signal	4-20mA（DC linearity）
Measurement Range	（0-10、0-100、0-1000、0-2000）on optical
number of channels	0-16（Optional to close the channel）
Way of working	Multi-channel point by point acquisition (acquisition cycle 100ms)
Detection error	0.1%（F.S）
Resolution	0.01%（F.S）
Display function	a) Full-screen LCD display: display channel number and measurement concentration (per channel independent display)
	b）Status display: real-time display of each channel use status, detection status (normal, alarm, fault)
	c）Unit display: with changeable display units
	d）Alarm bar: real-time alarm bar shows the channel status
Alarm function	a）Sound alarm: low alarm and high alarm alarm buzzer issued a different sound b）Light alarm: Corresponds to channel status indication
Output node	a）16 channel 3 public　(JKI low limit trigger, JK2 high limit trigger JK3 fault output) b）each corresponding to an alarm relay (according to ordering instructions), capacity 24VDC 1A
Working power supply	220VAC　　50HZ　　100W
External power supply	24VDC　　4A（As a working power source for a device such as a detector）
Dimension	Wall-mounted 415mm×320mm×120mm
Weight	Wall-mounted 6.5kg

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