GASENSOR TECHNOLOGY

MODEL T200 (Wall Mounted)

Description

The T200 gas monitor (wall mounted) is a microprocessor-based intelligent controller with outstanding performance and complete alarm function. The T200, together with our combustible gas , toxic gas and flame detectors like GT-CT8900, Ultra IR800 ,GQ-CE8900 and Ultra FL800, etc., can form a fire or gas detection & alarm system to continuously monitor leakage of combustible or toxic gases in the environment and to prevent fires.

The T200 monitor consists of a wall-mounted chassis (including the register card) and control cards. The control card can supply power to the detector and receive the signal that is proportional to the gas concentration from the detector. The control card uses a LED to show the concentrations of target gases. It also outputs audible & visual and contact alarm signals when concentrations exceed the set point. The control card provides a 4-20mA analog signal output that is corresponding to the field concentration and then the register card shall output relevant RS485 signals.

The T200 gas monitor features a multi-channel and plug-in structure. Both 8-channel and 16-channel (loop) models are available.

Features

- Microprocessor-based technique and an easy-to-operate human-machine interface;
- The control card is fit for various detectors;
- Features self-test and fault self-diagnosis functions;
- Alarm and fault channels that features real-time display;
- Complete alarm function, both warning set point A1 and alarm set point A2 can be set independently;
- Besides two contact outputs of concentration and fault & alarm, another set of common alarm contact output is also available;
- Features a 4-20mA analog signal output that is in relevant to the field gas concentration;
- Features alarm log and fault log functions;
- Features a RS485 (Modbus) communication interface output.

Applications

- Refineries, Chemical plants , Metallurgical and Steel Factories
- LNG/LPG Production and Storage
- Municipal Administration, Public Utilities, Waste-water Treatment and Semi-conductor Production, Etc.

Technical Performances

T200(Wall Mounted) Chassis		
Model	T200	
Specification	8W	16W
Channel	8	16
Dimension	550×400×165	600×470×165
Ordering Number	SPYA103005-1	SPYA103005-2
Power Consumption	220VAC/5W （without the control card）	
Output	warning,alarm,fault 0.3A/125VAC、1A/30VDC	
Temperature	0～40℃ (MAX-18℃～65℃)	
Humidity	5～95%RH (non-condensing)	

T200 Control Card				
Model	T200			
Specification	C	T	T	F
Adaptive Detector	GT-CT8900 Ultra IR800 see T200-C datasheet	GQ-CE8900 see T200-T datasheet		Ultra FL800 see T200-F datasheet
Display Range	0～100% LEL	Two-digit display	Three-digit display	Two-digit display
Ordering Number	SPYA210001-1	SPYA 210001-10	SPYA 210001-3	SPYA210001-5
Output Signal	4-20mA (load≤500Ω)			
Output	warning,alarm,fault 0.3A/125VAC、1A/30VDC			
Channel Power Consumption	200mA/24VDC(without the detector)			

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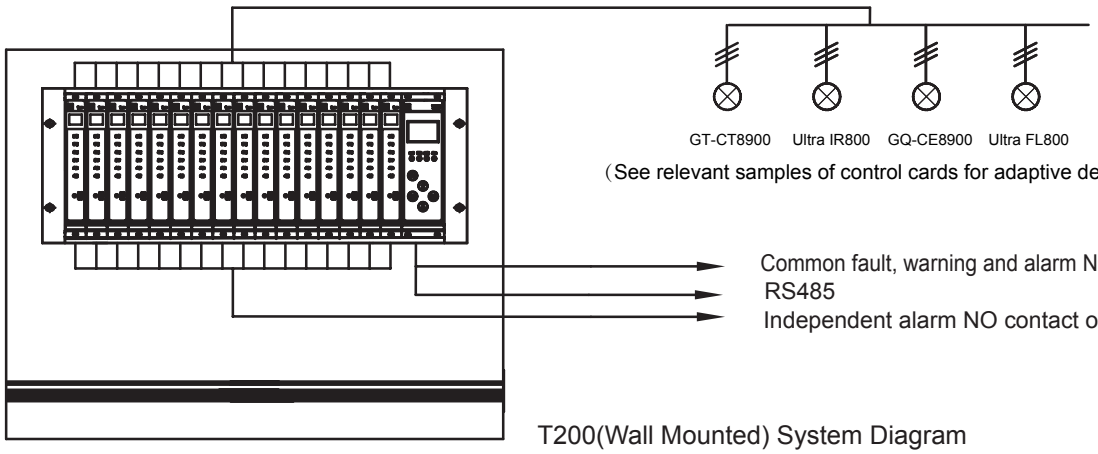
Ordering Instructions

Each monitor consists of a wall-mounted chassis and control cards. Thus, place the order according to the following requirements:

- Channels shall be determined according to requirements of detection loops:
  Ordering number: SPYA103005-1 8-channel controller;
  Ordering number: SPYA103005-2 16-channel controller;
- Order relevant control cards according to the requirements of detectors, see ordering instructions of control cards for details;
- The T200 Wall-mounted monitor requires a power supply of 220VAC，maximum consumption is 300W（Max 16 channels)；Please contact us for 110VAC ordering information.
- Please purchase relevant calibration boxes for calibration of detector. Refer to ordering instructions of calibration boxes for details.

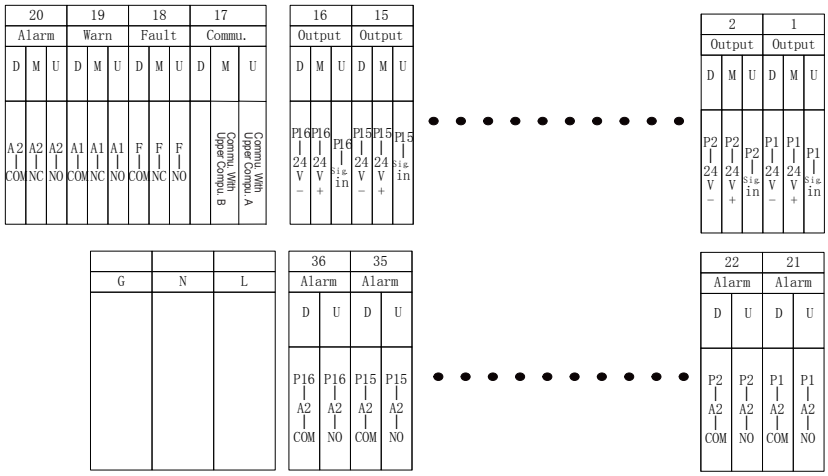
Mounting and Wiring

（Can be linked up to maximum 16 detectors）



（See relevant samples of control cards for adaptive detectors）

T200(Wall Mounted) System Diagram



16-channel Wiring Terminals Functions

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Specifications subject to change without notice.

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