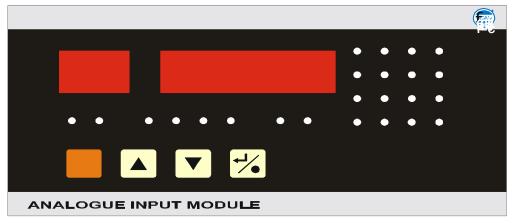


Realty Automation & Security Systems Pvt. Ltd.

Gas Detection System GS - 1600



Product Description:

GS-1600 is a highly versatile and economical module having Analog Inputs with RS485 / Ethernet port for online communication. It is an ideal solution for SCADA applications in Process Industries. GS - 1600 can be used along with PLC's thus reducing project cost substantially. Analog input to Gas Detection System can be mA / Thermocouple or Voltage different for each channel.

The unit has seven segment LED display for displaying process value, thus providing local indication to the operator. The Alarm / Control status of each channel is indicated on front LEDs.

Serial port RS485 - 2 wire with Modbus RTU protocol or Ethernet with MOD-BUS TCP is provided. This feature makes Gas Detection System compatible with all the standard SCADA software and PLC's used in Industry.

Optional

Internal relay output 1 or 2 for common alarm.

External relay output 8 or 16 for Individual alarm / Alarm & Trip / Control. Ethernet communication facility with MODBUS TCP protocol.

Product Features & Specifications:

- Gas Sampling by Natural diffusion
- Detection Alarm level: 10% LEL (2000 PPM)
- Preset Alarm Levels
- Auto Calibrated
- Low Response Time
- Semiconductor sensor is used
- PFC Relay NO or NC PFC O/P
- Fire Proof Enclosure is used.

Realty Automation & Security Systems Pvt. Ltd.

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Gas Detection System GS - 1600

Technical Specifications:

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Input	0 - 20 mADC, 4-20mA, 0-1VDC and 0-4VDC for each channel. Combina- tion factory set)	Channels	Max 16 Channels in step of 4 Channels.
Disply	7 Segment RED LED, 2 - Digit Channel no. 5 - Digit Process Value with sign	Keyboard	4 Keys tactile keyboard.
Resolu- tion	12 Bit. Volt 0.001; mA- 0.01	Scan Rate	125 msec per channel (16 channels in 2 seconds)
Accuracy	± 0.5% of FSR ±1 LSD	Scaling	Scaling for mA and Voltage inputs through keyboard.
Display Update Rate	Display Update rate and Display scroll mode programmable through keyboard.	LED Indica- tions	LED indications for Control output status and Serial communication.
Serial Port	Optically isolated RS485 - 2 wire port with MOD-BUS RTU protocol. Ethernet port optional.	Alarm Out- put (Op- tional)	1 or 2 common alarm relay output, contact rating 230 VAC,1 Amp. Confirm relay logic at the time of ordering.
Control Output (Op- tional)	8 or 16 nos external relay outputs used as a) 1 Relay per channel with Alarm / Control logic b) 2 Relay per channel (max 8 channels) with alarm-trip logic. External relays can be operated from Gas Detection System also. Confirm relay logic at the time of ordering	Supply	230 VAC / 110 VAC ±10 %, 50 Hz

Applications:

- Various control room
- Chemical storage room
- GAS pipe installation areas
- Chemical Industry

- OIL & GAS refinery Industry
- Battery Bank Room
- Hotel & Home Kitchen, etc.

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