

PRODUCT DESCRIPTION

The PI-00 single control module is part of the gaZalarm control family and provides sensor control, signal processing and comprehensive alarming of any resulting gas detected. There are two versions; one is for IR / Catalytic combustion bridge type for combustible gas detection and the other is electrochemical type for oxygen / toxic gas detection like (H₂S, CO) etc., accept 4-20mA signal from sensors transmitter. The card input function is selected by a specific plug-in module; optional output modules are also available.

Each card has numeric LED display which provides sensor readings in %LEL / PPM / %VOL.

FEATURES:

- ◆ Advanced solid state Electronic Digital Display
- ◆ Suitable for DIN Standard
- ◆ Un-ambiguous digital display
- ◆ Common card design
- ◆ Fully configurable
- ◆ Inbuilt Potentiometer for settings
- ◆ Plug-in input and output options

ALARM CAPABILITIES:

- ◆ 2 level alarm 2 SPDT Free Potential Relay Contacts
- ◆ Fault 1 SPDT Free Potential Relay Contacts
- ◆ Inhibit
- ◆ Rate of rise

gaZalarm Exi Compustible
gaZalarm Txi Toxic
PI-00 CONTROL MODULE



Technical Specifications

Control Card	Solid State Electronics Base
Display	2 Digit LED
Measuring Range	0 - 99 %LEL / PPM Resolution : 1% full scale
Electronic Drift	± 2%
Front Panel Indications	Red - A1 / A2 Green - Power Yellow - Fault
Accuracy	1% of FSD
Operating Temperature	-20°C to 65°C
Storage Temperature	-20°C to 85°C
Operating Humidity	0-95% RH (non-condensing)
Visual Indication	A) Alarm B) Warn C) Power D) Fault
Remote Facility	A) Reset B) Accept C) Lamp Test
Parameter Setting	A) Zero B) Span C) Warn D) Alarm
Input Signals	Standard: 4-20 mA. (3 wire, 2 wire), Optional: 0-1 vDC
Relay Output	Alarm-1 Alarm-2 Fault
Max. 1001 resister	250 Ω
Outputs	Standard: 4-20mA. Recorder Output, Potential free
	Relay contacts 5A for warn, Alarm & Fault,
	Optional: Repeater output for warn, Alarm & Fault, 0-1 vDC.
Power Supply	Standard: 220 Vac. 50 Hz, Optional: 110 vAC. OR 24 vDC.
Size	Din Standard 3U x 6T/9T Depth 220 mm
Mounting	19" Rack (DIN Standard) for Max. upto 10 cards in one
	Rack or as per specification NUMBER OF RACKS
	Can be accommodated according to the requirement.
Panel	Standard: - Wall Mounted / Free Standing

Note: We reserve the rights to modify the design & specs or stop the production of above said system