



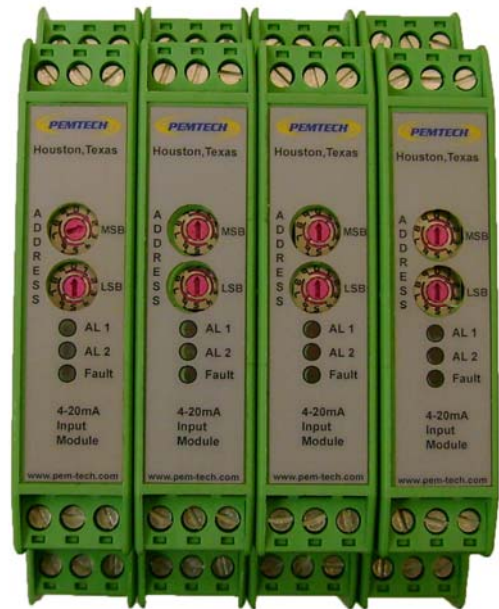
ISO9001:2000
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Gas Detection Technology

Model PT800 Series Analog Input Module

Features

- 4 Channel analog input (0-20mA)
- 18-28 VDC wide Power input
- 12 Bit A/D Converter with signal conditioning
- MODBUS RTU Communication
- Standard 35mm Din Rail
- Mounting with common interface bus for power and communication
- 3 programmable open drain outputs for safety alarms



Description

PT800-AI is an addressable four channel analog input module with 3 discrete outputs. Communication adheres to industry standard RS-485 Modbus RTU protocol. DC power input is protected against reverse polarity. Modules are DIN Rail mounted and share a common bus when stacked together. Each module address is settable by means of easily accessible rotary switches.

The input accommodates wide DC input. Discrete open drain outputs are fully programmable and can be configured with high and low alarm levels exclusive tied to the input channels of the module. These discrete outputs makes this module a Fail safe stand alone unit without the presence of a system controller or PLC.

Multi-channel design with alarm support and communication interface make this module extremely powerful and adds cost-efficiency with high density mounting for use in both control room and distributed I/O applications.

Model PT800 Analog Input Module

Specifications

Input Ranges

0-50mA max (4-20mA nominal)

Accuracy

12 Bit A/D conversion with +/- 2 LSB

Input Power

18-28 VDC (24VDC Nominal)

Power Consumption

< 1.2 Watts

Output Type

3 Discrete outputs can be configured as limit alarms capable of driving external power relays.

Network Communication

Industry standard RS-485 Modbus RTU protocol.

Dimension

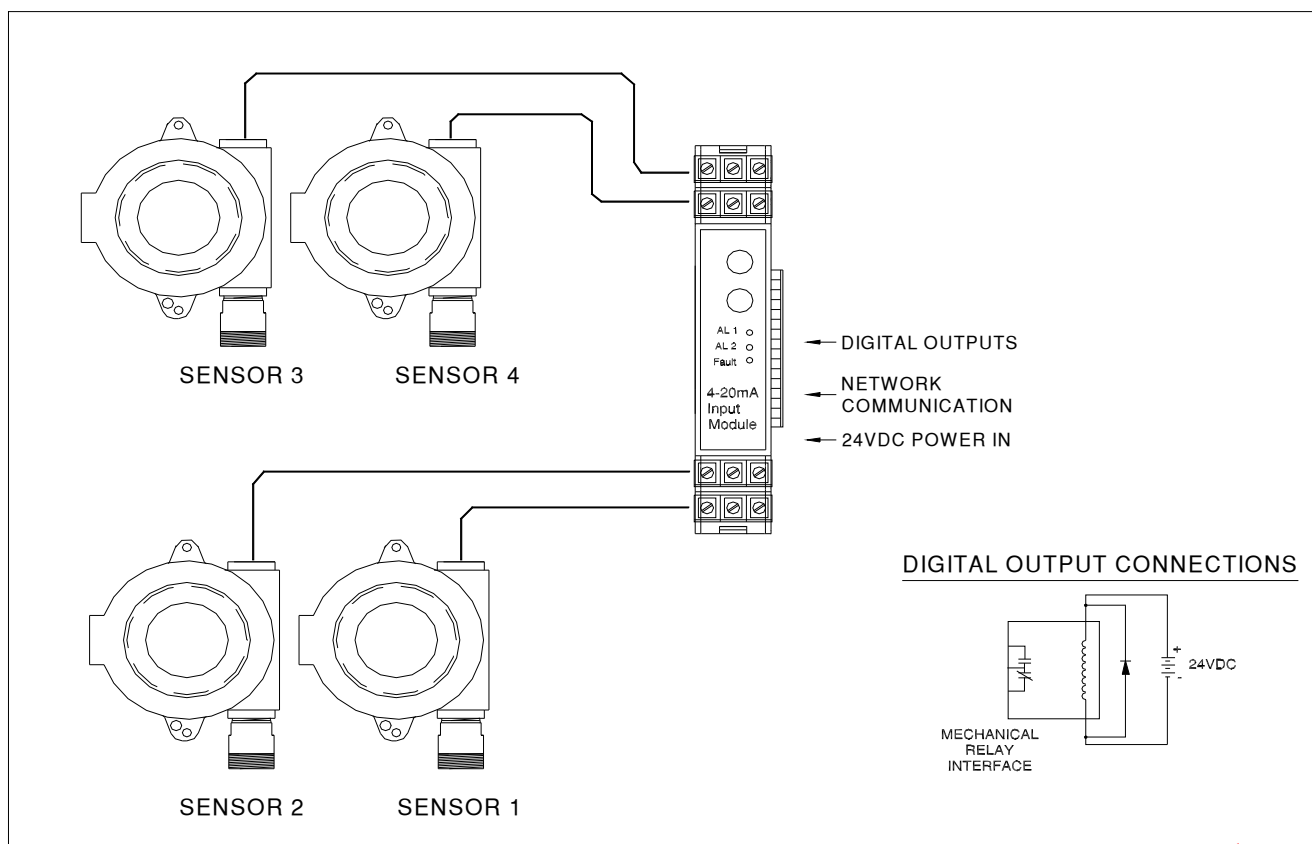
Standard 35mm DIN Rail mounting Type EN50022
3.9"H x 4.5"D x 0.9"W

LED Indicators

Amber and Red LED indicators for limit alarms and Communication fail functions.

Ordering

Part Number: PT800-AI (4 Channel Analog Input)
PT800-RM (Relay module)
PT800-SI (Status Input module)



Pem-Tech, Inc.

12144 Dairy Ashford, Bldg # 2 • Sugar Land, Texas 77478 • USA
Ph: 281-494-2079 Fax: 281-494-2167
www.pem-tech.com Email: sales@pem-tech.com