Honeywell 8C-PAIH51

Honeywell 8C-PAIH51 Analog Input with HART

The Analog Input Module accepts high level current inputs from transmitters and sensing devices.

Notable Features

- Extensive self diagnostics
- Optional redundancy
- Supplies non-incendive field power (No external user supplied power)
- HART-capable, multivariable instruments and multiple modems for fast collection of control variables
- Fast loop scan

Non-Incendive Power

Non-incendive power is provided with no external marshalling to support the 4-20mA loop and still provide for channel

power protection. This protection supports the Division 2 hazardous protection non-incendive power rating.

Input Type current (2-wire or self-powered transmitters)

Input Channels

16 Channels

(All 16 Single Ended)

A/D Converter Resolution 16 bits

Input Range 4-20 mA (through 200 Ω)

Normal Mode Rejection Ratio, at 60 Hz 19 dB

Normal Mode Filter Response Single-pole RC, -3 dB @ 6.5 Hz

Crosstalk, dc to 60 Hz (channel-to-channel) -60 dB

Maximum Input Voltage (any input referenced to common, no damage)

± 30 Volts

Input Scan Rate 50 ms

Hardware Accuracy (@ CMV = 0 V) ± 0.075% of full-scale (23.5° ± 2° C)

± 0.15% of full-scale (0 to 60° C)

Transmitter Field Power Conditioning

Individually Protected Current Limiting Circuits for

Class 1, Div 2 non-incendive interfacing. No fusing

required

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