

Honeywell 900a16-0103

Honeywell Analog Input High Level, 16 Channel (900A16-0103)

The High Level Analog Input module supports up to 16 user-configurable inputs on a per point basis for Voltage or current.

Point-to-point isolation and back-plane isolation are provided. Modules perform analog to digital conversion in

synchronization with CPU control execution, eliminating data interchange latency. All analog input modules are processed in

parallel, eliminating scan time increases as modules are added.

A green blinking status LED on the module indicates when the module is being scanned. A red status LED when module or

channel diagnostics exist.

High Level Analog Input Specifications

Item Specification

Inputs per module 16 (isolated)

Input types V, mA

Signal Source See High Level Analog Input Reference Accuracy for range types.

Input Impedance >1 megohm for volts and 250 ohms for mA inputs

Galvanic Input Isolation 400 VDC point to point, solid state switching; 1K VDC to logic.

Noise Rejection Series Mode >31dB

Common Mode >90dB at 120VAC

Over-range limit +/- 10% for linear ranges (volts).

Accuracy Factory configured accuracy = ± 0.1 % of range.

Reference conditions

Temperature = 25 ° C \pm 3 ° C (77 ° F \pm 5 ° F)

Humidity = 45 % to 55 % RH non-condensing

Line voltage = Nominal \pm 1 %

Source resistance = 0 ohm

Series mode and common mode = 0 V

Frequency = Nominal \pm 1 %

Temp. Effect on Accuracy \pm 0.01% of full scale per degree Celsius maximum

A/D Converter One per module

A/D Resolution \pm 15 Bits

Update rate 100ms (Analog to Digital Converter per module)

Long term Stability 0.1% per year

Calibration Data is stored in non-volatile memory

Redundant Factory Calibration

Diagnostics Monitoring of Factory Calibration, 24 VDC supply, and configuration.

Channel Configuration Data Stored in non-volatile memory.

You can contact us through the following contact information

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