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Temperature Input Module, 8 Thermocouple or PT100 RTD Inputs, Terminal



Overview

The AS11860G-40 Temperature Input Module provides a compact and high density solution for integrating 8 channels of PT100 RTDs or any thermocouple type temperature inputs with the MKS Automation Platform PAC or CM modules, or the MultiTherm™ 2000. Fixed terminal connectors are used to interface the temperature probe.

Technical Specs

Type	Temperature Input Module
ADC Native Resolution	16-bit
Number of Inputs	8
Main Power Supply	24 V
Connector	Terminal
Control Accuracy	0.1°C (depending on input)
Input Stability	0.08°C for RTDs, 0.1°C for T/Cs
Input Resolution	0.01°C (depending on input)
Maximum Power Consumption per Module	24 V_IO@ 0.25 Amp, 24 V_CORE@ 0.15 Amp
Sampling Rate	Configurable from 1.6 Hz to 13 Hz
Thermocouple Type	2-wire, Thermocouples (J, K, or N - software configurable), 3-wire resistance temperature detectors (RTDs, factory configured), PT100 (-200 - 715°C), PT1000 (-200 - 850°C)
Operating Temperature	0 - 55°C, with 2°C upper limit reduction per 1000 ft above sea level
Storage Temperature	-40 - 85°C
Altitude	0-10,000 ft above sea level
Humidity	5 - 85% non-condensing
Vibration	2.5 g acceleration over 5 - 300 Hz sine wave, 1 octave/Minimum sine sweep
Shock	30 g, 11 msec duration, half-sine shock pulse
Dimensions	35 x 125 x 92.3 mm (1.4 x 3.3 x 4.9 in.)
Mounting	DIN rail
Compliance	EMC Emissions: EN 61000-6-2: 2005

Need help?

Contact an Applications Specialist by sending us an email

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