

SJ-ETHER/SJ Series

Analog Module

PLC	
HMI	
SENSOR	
ENCODER	
COUNTER	
INFORMATION	

Common Subject Matter

SJ-ETHER/SJ

DL05/06

DL205

D4

D3

Programmer

KPP

DirectSOFT

Terminator I/O

Features

Specifications

Dimensions

CPU Specifications

Power Supply Module

Input/Output Module

Analog Module

Temperature Input Module 《4 Channels》

C0-04THM



General Specifications

Items	Specifications
Field to Logic Side Isolation	1,800 V AC applied for 1 second (100% tested)
External DC Power Required	None
Bus Power Required (24 V DC)	25 mA
Thermal Dissipation	0.175 BTU/hour
Terminal Block Replacement	ADC p/n C0-8TB
Weight	86 g

Input Specifications

Items	Specifications
Number of Channels	4
Common Mode Signal Range	-1.3 to +3.8 V
Common Mode Rejection	100 dB at DC and 130 dB at 60 Hz
Input Impedance	> 5 MΩ
Absolute Maximum Rating	Failure-resistant input to ±50 V DC
Display Resolution	±0.1°C or °F, 16 bit
Input Range*	Type J: -190°C to 760°C (-310°F to 1,400°F) Type K: -150°C to 1,372°C (-238°F to 2,502°F) Type E: -210°C to 1,000°C (-346°F to 1,832°F) Type R: 65°C to 1,768°C (149°F to 3,214°F) Type S: 65°C to 1,768°C (149°F to 3,214°F) Type T: -230°C to 400°C (-382°F to 752°F) Type B: 529°C to 1,820°C (984°F to 3,308°F) Type N: -70°C to 1,300°C (-94°F to 2,372°F) Type C: 65°C to 2,320°C (149°F to 4,208°F) 0 to 39.0625 mV ±39.0625 mV ±78.125 mV 0 to 156.25 mV ±156.25 mV 0 to 1.25 V
Cold Junction Compensation	Automatic
Thermocouple Linearization	Automatic
Accuracy Against Temperature	Maximum ±25 ppm/°C
Linearity Error	±2°C maximum, ±1°C typical, monotonic with no missing codes
Maximum Inaccuracy	±3°C maximum (Excluding thermocouple error)
Maximum Voltage Input Offset Error	0.05% at 0°C to 55°C (32°F to 131°F), typical 0.04% at 25°C (77°F)
Maximum Voltage Input Gain Error	0.06% at 25°C (77°F)
Maximum Voltage Input Linearity Error	0.05% at 0°C to 55°C (32°F to 131°F), typical 0.03% at 25°C (77°F)
Maximum Voltage Input Inaccuracy	0.1% at 0°C to 55°C (32°F to 131°F), typical 0.04% at 25°C (77°F)
Warm Up Time	30 minutes for ±1°C repeatability
Sample Duration Time	400 ms
All Channel Update Rate	Single channel update rate times the number of enabled channels on the module
Open Circuit Detection Time	Open Circuit Detection Time Burn Out flag set and zero scale reading within 3 seconds
Conversion Method	Sigma - Delta

Initialization Time

The Number of Channels Used	With any Configuration
1	5 sec
2	7 sec
3	9 sec
4	11 sec

Wiring Diagram

