## SJ-ETHER/SJ Series

**Analog Module** 

# HMI SENSOR SENCODER -

COUNTER ...

INFORMATION 🚜

### ■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 CO-8TB
Weight	86 g

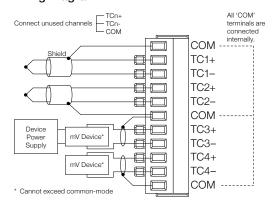
#### Input Specifications

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 ±156.25 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	$\pm 2^{\circ}\text{C}$ maximum, $\pm 1^{\circ}\text{C}$ 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 Inaccurracy	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
	400 ms
Sample Duration Time	100
Sample Duration Time  All Channel Update Rate	Single channel update rate times the number of enabled channels on the module
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#### **Initialization Time**

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

#### Wiring Diagram



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