



1762sc-IF4OF4

4-Channel Analog Input / 4 Channel Analog Output Module

for Allen-Bradley MicroLogix 1100/1200/1400 PLCs



- Two current only inputs, two voltage/current/thermocouple inputs and 4 voltage/current outputs provide a flexible solution for applications requiring mixed analog.
- Any combination of input types may be used at one time.
- Features 10 Vdc channel-to-channel isolation; 120 Vac channel-to-chassis ground isolation; 120 Vac channel-to-backplane isolation.
- Easily configured by ladder register settings.
- Channel selectable filtering for maximum speed with minimum noise.
- Fully auto-calibrating for best possible accuracy.
- Cold junction compensation included for thermocouples.
- Low power consumption.

Reduce System Costs

The 1762sc-IF4OF4 can reduce system costs by replacing dedicated analog I/O modules with one module. The 1762sc-IF4OF4 module can replace analog input, thermocouple and analog output modules without compromising performance. The module has 2 current input channels, 2 input channels selectable for voltage, current or J, K, E and T thermocouples and four voltage/current outputs. Mix and match input types to reduce your analog I/O module count. Installation is simplified and costs are reduced by using a common I/O within your system.

State-of-the-Art Features

There are 8 input ranges and 2 output ranges provide unsurpassed flexibility and simplify integration. Features such as input type, open circuit detection, high and low range alarms are individually programmable for each channel. Accuracy is comparable to dedicated analog input modules. The module incorporates proprietary Allen-Bradley ASIC technology insuring operation and performance mirror existing Allen-Bradley products. Configuration is accomplished using existing RSLogix programming software.

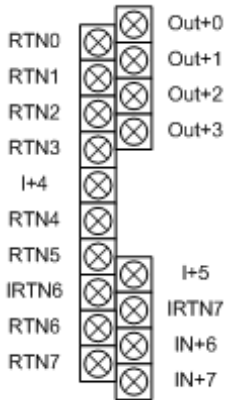
The Spectrum Controls 1762sc-IF4OF4 is compatible with Allen-Bradley MicroLogix 1100 / 1200 / 1400 systems. It offers the functionality of dedicated analog input modules without compromising performance or price.

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Terminal Block



Channel Configuration	2 C In and 2 V/C/TC In, 4 V/C Ouput
Module Location	MicroLogix 1100/1200/1400
Input Types Thermocouple Voltage/Current Output Types Voltage/Current	J, K, E, T 0-20 mA, 4-20 mA, -10V-+10V, 0-5V, 0-10V, 1-5V 0-20 mA, 4-20 mA, -10V-+10v, 0-5V, 0-10V, 1-5V
Advanced Features	4 filter frequencies (individually selectable by channel); fully auto-calibration; on-board error checking; open circuit detection for most input types
Update Times* With four channels enabled * = TC update times may be longer	0.495 sec @ 4 Hz 0.135 sec @ 17 Hz 0.045 sec @ 62 Hz 0.020 sec @ 470 Hz
Data Formats	Raw / Proportional Count Engineering units x 1, Engineering units x10 Scaled for PID
Electrical Isolation (continuous)	10 Vdc channel-to-channel 120 Vac field-wiring-to-backplane 120 Vac field-wiring-to-chassis-ground
Input Impedance	>1 Mohm Thermocouple, Voltage <250 ohm, Current
Input Overvoltage Protection	+28 Vdc continuous
Input Overcurrent Protection	42mA MAX
Common Mode Rejection	75 dB @ 50/60 Hz
Normal Mode Rejection	65-74 dB @ 50/60 Hz
Backplane Current Required	40mA @ 5V max 137mA @ 24V
Thermal Dissipation	3 Watts, maximum
Environmental Conditions Operational Temperature Storage Temperature Relative Humidity	-20° to 60°C (-4° to 140°F) -45° to 85°C (-49° to 185°F) 5 to 95% (non-condensing)
Certifications	UL/cUL (Class I, Div 2, Groups ABCD) and CE
Weight	0.17kg (0.38lb)



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