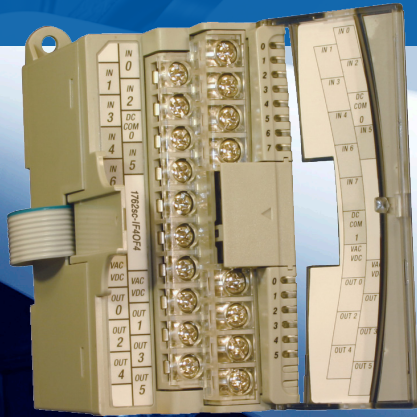


MicroLogix™

1762sc-IF4OF4

4-Channel Analog Input Module/ 4-Channel Analog Output Module



The 1762sc-IF4OF4 Combination Module provides full mixed analog capability in one I/O module. The 1762sc-IF4OF4 module can replace analog input, thermocouple, and analog output modules without compromising performance or price.

Reduce System Costs

- Two current only inputs; two voltage/current/thermocouple inputs; four voltage/current outputs.
- Eight input ranges and six output ranges.
- Use any combination of input or output types at one time.
- Accuracy comparable with dedicated analog modules.
- Individually programmable for each channel.
- Easy to configure using ladder register settings or RSLogix programming software.
- Channel-selectable filtering for maximum speed with minimum noise.
- Cold junction compensation included for thermocouples.
- Compatible with Allen-Bradley MicroLogix 1100 and 1200 systems.

1762sc-IF4OF4 Specifications

Input/Output Types	2 C only inputs, 2 V, C, TC inputs; 4 V, C outputs			
Input Ranges				
Thermocouple	J, K, E, T			
Voltage/Current	0-20 mA, 4-20 mA, 0-5 V, 1-5 V, 0-10 V, ± 10 V			
Output Ranges				
Voltage/Current	0-20 mA, 4-20 mA, 0-5 V, 1-5 V, 0-10 V, ± 10 V			
Resolution	16 bits open circuit detection on most input types			
Advanced Features	4 filter frequencies (individually selectable by channel)			
Update Times (ms) *	4 Hz	17 Hz	62 Hz	470 Hz
4-Channel Sample Time (ms)	495	135	45	20
* with TC, update times may be longer				
Electrical Isolation (continuous)	Channel-to-channel: Input channels are differential as long as all pins are within 13 VDC of the output return lines. Channel to rack: 125 VAC continuous.			
Input Impedance	249 ohms, current			
Input Cable Impedance	25 ohms maximum for specified accuracy in voltage, thermocouple modes.			
Input Overvoltage Protection	± 28 VDC continuous			
Input Overcurrent Protection	42 mA maximum			
Backplane Current Required	30 mA at 5 V maximum; 140 mA at 24 V maximum			
Common Mode Rejection	75 dB for 4 Hz and 17 Hz filters			
Normal Mode Rejection	65 dB to 74 dB at 50/60 Hz			
Output Impedance				
Current/Voltage	>1 Mohm/ <1 ohm			
Output Load				
Current	0 ohm minimum; 500 ohm maximum			
Voltage	Greater than or equal to 1 kohm at 10 V output (10 mA); includes wire resistance			
Maximum Inductive Load	0.1 mH			
Capacitive Load	1 μ F			
Environmental Conditions				
Operational Temperature:	-20 °C to 60 °C (-4 °F to 140 °F)			
Storage Temperature:	-40 °C to 85 °C (-40 °F to 185 °F)			
Relative Humidity	5 to 95% (non-condensing)			
Thermal Dissipation	3 Watts, maximum			
Certifications	UL/cUL (Class I, Div 2, Groups ABCD), and CE			
Weight	281 g (9.9 ozs)			