



1762sc-IF8U 8-Channel Universal Analog Input Module

for Allen-Bradley MicroLogix 1100/1200/1400 PLCs



- Eight channels of voltage, current, thermocouple and 4 RTD/resistance input provide a flexible solution for applications requiring mixed analog input.
- Any combination of input types may be used at one time.
- Features 707 Vdc for 1 minute, channel-to-backplane isolation; 10 Vdc channel-to-channel isolation.
- Easily configured by ladder register settings.
- Channel selectable filtering for maximum speed with minimum noise.
- Cold junction compensation included for thermocouples.
- Low power consumption.

Reduce System Costs

The 1762sc-IF8U can reduce system costs by replacing dedicated analog I/O modules with one module. The 1762sc-IF8U module can replace analog input, thermocouple and RTD modules without compromising performance. The module supports up to eight voltage, current and thermocouple inputs. Channels can be paired to support up to 4 RTD and resistance inputs. 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

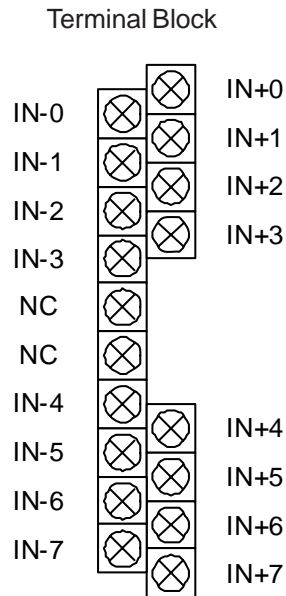
There are 28 input types and configuration options provide unsurpassed flexibility and simplify integration. Features such as input type, open circuit detection, high and low range alarms are individually programmable for each channel. Accuracy is comparable to dedicated analog input modules. The module 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-IF8U 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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for Allen-Bradley MicroLogix 1100 / 1200 / 1400 PLCs



Inputs per Module	8 (eight) V,C,TC, 4 (four) RTD, Resistance
Module Location	MicroLogix 1100/1200/1400
Input Types Thermocouple RTD Resistance Current Voltage	J, K, T, B, E, R, S, N, C PT385/3916, Ni618/672, NiFe518, Cu 426 0-150, 0-1000, 0-3000 ohm 0-20 mA, 4-20 mA ±50mV, ±100mV, 0-5V, 1-5V, 0-10V, ±10V
Advanced Features	4 filter frequencies (individually selectable by channel); on-board error checking; open circuit detection for most input types
Update Times* With eight channels enabled * = TC update times may be longer	0.16 sec @ 470 Hz 0.36 sec @ 62 Hz 1.08 sec @ 17 Hz 3.96 sec @ 4 Hz
Data Formats	Raw / Proportional Count Engineering units x 1, Engineering units x10 Scaled for PID
Electrical Isolation	10 Vdc channel-to-channel (Continuous) 707 Vdc field-wiring-to-backplane for 1 minute
Input Impedance	>10 Mohm Thermocouple, Voltage, RTD <250 ohm, Current
Input Overvoltage Protection	+28 Vdc continuous
Input Overcurrent Protection	42mA continuous
Common Mode Rejection	100 dB @ 4/17 Hz
Normal Mode Rejection	74 dB @ 4 Hz, 65dB @ 17 Hz
Backplane Current Required	175mA @ 5 V max 21ma @ 24V max
Thermal Dissipation	1.4 Watts, maximum
Environmental Conditions Operational Temperature Storage Temperature Relative Humidity	-20° to 60°C (-4° to 140°F) -40° to 85°C (-49° to 185°F) 5 to 95% (non-condensing)
Certifications	UL/cUL (Class I, Div 2, Groups ABCD) and CE
Weight	0.268 kg (0.591lb)



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