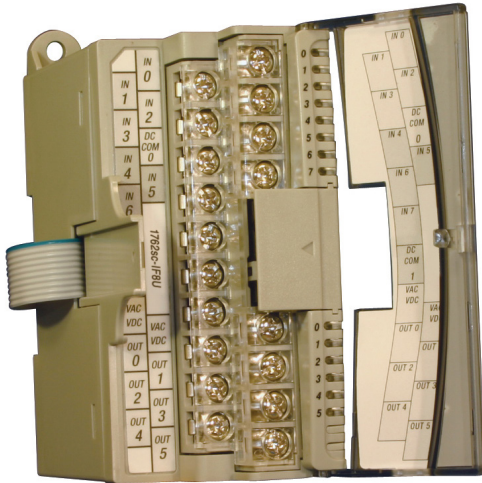


## 1762sc-IF8U 8-Channel Universal Analog Input Module

for Allen-Bradley MicroLogix™ 1100/1200/1400 PLCs



- Eight channels of voltage, current, thermocouple and RTD/resistance input provide a flexible solution for applications requiring mixed analog input (see back for more detail).
- Any combination of input types may be used at one time.
- Features 10 Vdc channel-to-channel isolation; 707 Vdc for 1 minute channel-to-backplane.
- 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, thermocouple, and RTD/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 and open circuit detection 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.

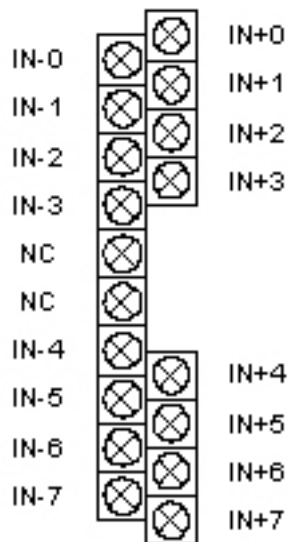
The Spectrum Controls 1762sc-IF8U is compatible with Allen-Bradley MicroLogix 1100 / 1200 / 1400 systems. It offers the functionality of dedicated analog input modules without compromising performance or price.

# 1762sc-IF8U

## 8-Channel Universal Analog Input Module

for Allen-Bradley MicroLogix™ 1100/1200/1400 PLCs

Terminal Block



Inputs per Module	8 V, C, TC, & RTD/Resistance (2 wire) 8 V, C, TC, & 4 RTD/Resistance (3 or 4 wire)
Module Location	MicroLogix 1100/1200/1400
Input Types	Thermocouple RTD Resistance Current Voltage
Advanced Features	J, K, T, B, E, R, S, N, C PT385/3916, Ni618/672, NiFe518, Cu426 0-150, 0-1000, 0-3000 Ω 0-20 mA, 4-20 mA ±50mV, ±100mV, 0-5V, 1-5V, 0-10V, ±10V
Update Times* with eight channels enabled *TC update times may be longer	4 filter frequencies (individually selectable by channel); on-board error checking; open circuit detection for most input types 20 ms @ 470 Hz 45 ms @ 62 Hz 135 ms @ 17 Hz 495 ms @ 4 Hz
Resolution	16 bits
Data Formats	Raw/Proportional Count Engineering units x1, Engineering units x10 Scaled for PID
Electrical Isolation	10 Vdc channel-to-channel 707 Vdc for 1 minute channel-to-backplane
Input Impedance	<250 Ω, Current
Input Overvoltage Protection	28 Vdc continuous
Input Overcurrent Protection	28 mA continuous
Common Mode Rejection	100 dB @ 50/60 Hz
Normal Mode Rejection	4 Hz Filter - 74dB minimum @ 50 & 60 Hz 17 Hz Filter - 65dB minimum @ 50 & 60 Hz 62 Hz Filter - First notch @ 31Hz, typically 30dB 470 Hz Filter - First notch @ 237 Hz, typically 35dB
Backplane Current Required	175 mA @ 5 Vdc max 5 mA @ 24 Vdc max
Thermal Dissipation	1.4 W maximum
Environmental Conditions	Operational Temperature Storage Temperature Relative Humidity
Certifications	UL/cUL (Class 1, Div 2, Groups ABCD) & CE
Weight	0.17kg (0.38lbs)



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