

1746 SLC 500 I/O

Isolated Discrete Input Modules — 8 Channels

Catalog No. 1746sc-IA8I, 1746sc-IB8I, 1746sc-IC8I, 1746sc-IM8I

- ▶ Eight channel to channel isolated inputs per module—can be sink or source.
- ▶ Inputs do not give a "false on" when used with proximity switches or other devices with high leakage current.
- ▶ Separate commons for each input point allow input types to be mixed.
- ▶ The -IA8I and -IM8I can be wired directly to the 1746sc-OAP8I to monitor the output state.

Isolated Discrete Triac Output Module — 8 Channels

Catalog No. 1746sc-OAP8I

- ▶ Ideal for motor starters and other inductive loads.
- ▶ Each circuit is individually fuse protected and provides "fuse blown" indication to the SLC500, pin-pointing which fuse has opened. Completely solid-state, no relays to fail.
- ▶ Can be directly wired to a Spectrum Controls 1746sc-IA8I or -IM8I isolated-circuit input module to monitor output state.

1771 PLC-5 I/O

Isolated Discrete Input and Triac Output Modules — 16 Channels

Catalog No. 1771sc-IMI16 1771sc-OMI16

- ▶ The IMI16 and OMI16 provide 1500 volt input to input isolation.
- ▶ Inputs can sink or source just like a relay contact module. Input types can be mixed.
- ▶ The IMI16 can be used with 159-264Vac or 184-276Vdc ranges.
- ▶ The OMI16 has 74-276Vac triac outputs and is ideal for motor starters and other inductive loads as it is completely solid-state, no relays to fail.

High Density Analog Input Module — 32 Channels

Catalog No. 1771sc-IFE32

- ▶ Ideal for high channel density applications in industrial and process environments.
- ▶ 32 single-ended or 16 differential analog inputs.
- ▶ On-board auto-calibration and error checking. User selectable channel-to-channel input noise filters that allow maximum speed with minimum noise.

Spectrum Controls is the first company to build licensed, core-technology I/O modules for the Rockwell Automation product line. Our innovative designs incorporate state-of-the-art features with dependable performance. As a Global Encompass Partner, technical support is offered through the Rockwell Automation TechConnect Support Program.

Our market-driven I/O product offering provides cost-effective solutions to complex application requirements. High performance, increased channel density, and versatile configuration options are just a few of the advantages of using I/O from Spectrum Controls.

1769 Compact I/O

Isolated Analog+HART Input / Output — 4 Channels

Catalog No. 1769sc-IF4IH 1769sc-OF4IH

- ▶ Exploit the power of existing HART field instruments and build the foundation of a powerful control and asset management system.
- ▶ Obtain real-time analog and HART data without additional wiring or external bridge devices or hand-held communicators.
- ▶ Four channels, each easily configured for voltage, current or current and HART signals.
- ▶ Compatible with CompactLogix and MicroLogix 1500.

The **Analog+HART I/O** modules interface directly with HART-enabled field instruments. The modules provide standard analog data and allow bi-direction HART communication. Use our CONNECTS assetware gateway software to configure and manage field devices from a PC workstation.

Universal Analog Input — 8 Channels

Catalog No. 1769sc-IF8u



- ▶ Eight individually configurable channels of voltage, current or thermocouple and combine channel pairs for RTD and resistance. Any combination of inputs can be used simultaneously.
- ▶ The module offers user selectable engineering units, filter frequencies, and a wide variety of input types.
- ▶ Compatible with CompactLogix and MicroLogix 1500.

The 1769sc-IF8u Universal Analog Input module can significantly reduce system costs by replacing dedicated analog I/O modules with one universal module.

1756 ControlLogix I/O

Analog+HART Input / Output — 8 Channels

Catalog No. 1756sc-IF8H 1756sc-OF8H

- ▶ Exploit the power of existing HART field instruments and build the foundation of a powerful control and asset management system.
- ▶ Obtain real-time analog and HART data without additional wiring or external bridge devices or hand-held communicators.
- ▶ Eight channels, each easily configured for voltage, current or current and HART signals.

The **Analog+HART I/O** modules interface directly with HART-enabled field instruments. The modules provide standard analog data and allow bi-direction HART communication. Use our CONNECTS assetware gateway software to configure and manage field devices from a PC workstation.

Universal Analog Input — 8 Channels

Catalog No. 1756sc-IF8u

- ▶ Eight individually configurable channels of voltage, current or thermocouple, RTD and resistance. Any combination of inputs can be used simultaneously.
- ▶ Easily configured using your existing programming software.
- ▶ The 1756sc-IF8u offers accuracy and resolution comparable to dedicated I/O. Reduce system costs by eliminating the need for dedicated analog I/O modules.

Counter / Flowmeter — 8 Channels

Catalog No. 1756sc-CTR8

- ▶ The module supports eight single-ended counters or combine input pairs for up/down or quadrature counters. AC and DC input types are supported.
- ▶ Simultaneous count and rate data is available for each input with rates of up to 65 KHz.
- ▶ External counter enable lines are available for dynamic counter control.
- ▶ The module also features user definable scaling, limits, input control and filters.

CONNECTS

HART AssetWare Gateway for ControlLogix Analog+HART I/O

Catalog No. SCX-3000

CONNECTS assetware gateway software provides the ability to manage field devices from an enterprise workstation, using existing device configuration and asset management software. CONNECTS processes native HART commands and packages them so they may be sent to the ControlLogix backplane. CONNECTS eliminates the need to design custom device configuration and asset management software.



1746 SLC 500 I/O

Universal Analog Input — 8 Channels

Catalog No. 1746sc-NI8u

- ▶ Eight individually configurable channels of voltage, current or thermocouple and combine channel pairs for RTD and resistance. Any combination of inputs can be used simultaneously.
- ▶ Ideal for OEMs and system integrators as you can reduce the need for dedicated analog modules by using one universal analog module.
- ▶ The two-tiered removable terminal block simplifies wiring.
- ▶ Configuration is simple using ladder register settings and jumpers.
- ▶ Inputs have individually configurable for data formats and filter frequencies.
- ▶ Fully auto-calibrating including cold junction compensation for thermocouples.

Isolated Analog Input and Output — 4 Channels

Catalog No. 1746sc-INI4i/vi 1746sc-INO4i/vi

- ▶ 750Vdc channel to channel isolation.
- ▶ Eliminates the need for expensive external isolators.
- ▶ Fully auto-calibrating with on-board ambient temperature compensation. No external reference source required.
- ▶ Isolation reduces susceptibility to electrical noise, cross-talk between channels and ground loop problems.



Counter / Flow Input — 4 or 8 Channels

Catalog No. 1746sc-CTR4 1746sc-CTR8

- ▶ The module supports eight single-ended counters or combine input pairs for up/down or quadrature counters. AC and DC input types are supported.
- ▶ Available in 4 and 8 input channel versions.
- ▶ External counter enable lines are available for dynamic counter control.
- ▶ The module also features user definable scaling, limits, input control and filters.

DTAM™ Plus / Micro

Character Based Operator Interfaces

Catalog No. 2707M232P3sc 2707M485P3sc 2707L40P2sc 2707V40P2sc

- ▶ 2x20 and 2x40 LCD or VFD Display.
- ▶ Numeric Keypad with Programmable Function Keys.
- ▶ Scaling, User Limits, Alarm Generation.



Configurable for
Voltage, Current,
Thermocouple,
RTD and
Resistance

50 KHz
Counter
or Flowmeter

The Foundation of
a Control and
Asset Management
System

Configurable for
Current, Voltage,
Thermocouple,
RTD or Resistance

Full Channel-to-
Channel Isolation

50 KHz
Counter
or Flowmeter