RS-232 Modbus RTU Interface to 16 Isolated Inputs / 8 Form C Relay Outputs

Part: 420S | **Model:** SeaI/O-420S

Control and monitor 16 optically isolated inputs and 8 Form C (SPDT) relay outputs with the SeaI/O-420S. Inputs can range from 5-30VDC while the Form C relay outputs can switch up to 60VDC @ 2A. The SeaI/O-420S is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-420S using industry-standard Modbus RTU protocol or use the Sealevel SeaMAX API software libraries from your application program. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems.

Expand your I/O network with SeaI/O N-series products. SeaI/O modules are available with Reed and Form C relays, optically isolated inputs, TTL interfaces, A/D and D/A functionality. Up to 246 additional expansion modules can be added using convenient pass-through connectors.

Get a jump start on your digital I/O development with The Digital I/O Handbook that will provide helpful information that you will use again and again. Check out Chapter 1 for an overview of logic principles.

Features & Specifications

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Features

- RS-232 Modbus RTU interface
- 16 optically isolated inputs
- 8 SPDT Form C relays
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- DIN rail or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Specifications

Family	SeaI/O
Extended Temperature	Call for Options
Contact Current	2A max.
Contact Operate Time	2ms max.
Contact Release Time	1ms max.
Contact Voltage	60VDC max. / 50VAC max.
Digital I/O	Form C Relay Outputs, Isolated Inputs
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)
Contact Bounce Time	7ms max.
Input Isolation	300V
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Input Range	5-30 VDC
Host Interface(s)	RS-232
Number of Inputs/ Outputs	16 Inputs / 8 Outputs
Operating Temperature	0°C to 70°C (32°F to 158°F)
# of Ports	16/8
Power Requirement	9-30 VDC @ 2.2W
Storage Temperature	-50°C to 105°C (-58°F to 221°F)