USB to 16 Isolated Inputs / 16 Reed Relay Outputs

Part: 410U | **Model:** SeaI/O-410U

Control and monitor 16 optically isolated inputs and 16 Reed relay outputs via any USB connection with the SeaI/O-410U. Inputs can range from 5-30VDC, while the Reed relays provide long-life switch closures well suited to low current devices. Inputs and outputs are grouped into four-bit segments that each share a common for easy wiring via removable 3.5mm terminal blocks. The SeaI/O-410U is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the SeaI/O-410U 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.

The SeaI/O-410U integrates Sealevel's SeaLATCH locking USB port, which is fully compatible with standard USB cables. When used with the included USB cable with a SeaLATCH USB type B connector, the metal thumbscrew provides a secure connection to the device and prevents accidental cable disconnection.

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.

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SEALEVEL®

Features & Specifications
USB to 16 Isolated Inputs / 16 Reed Relay Outputs

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Features

- 16 optically isolated inputs
- 16 SPST Form A Reed relays
- Removable screw terminals simplify field wiring
- Input power via terminal block or modular connector
- Sealevel's SeaLATCH locking USB port provides secure connection with SeaLATCH USB cables via metal thumbscrews
- DIN rail or table mount
- Includes 6' USB type A to SeaLATCH USB type B device cable (Item# CA356)
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

Specifications

Family	Seal/O
Humidity Range	10 – 90% Relative Humidity, Non-Condensing
Contact Current	500mA max.
Contact Operate Time	0.5ms max.
Contact Release Time	0.2ms max.
Contact Voltage	60VDC max. / 50VAC max.
Digital I/O	Isolated Inputs, Reed Relay Outputs
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)
Extended Temperature	Call for Options
Contact Bounce Time	0.5ms max.
Input Range	5-30 VDC
Input Isolation	300V
Host Interface(s)	USB
Number of Inputs/Outputs	16 Inputs / 16 Outputs
Operating Temperature	0°C to 70°C (32°F to 158°F)
# of Ports	16/16
Power Requirement	9-30 VDC @ 1.6W
RoHS Compliant	Yes
Storage Temperature	-50°C to 105°C (-58°F to 221°F)
USB Specification	1.1 Compliant, 2.0 Compatible