

Seal/O - USB Data Acquisition Modules

USB to 16 Isolated Inputs / 8 Form C Relay Outputs

Item # 420U

Control and monitor 16 optically isolated inputs and 8 Form C (SPDT) relay outputs via any USB connection with the Seal/O-420U. Inputs can range from 5-30VDC, while the Form C relays switch up to 60VDC @ 2A. Inputs and outputs are grouped in four-bit segments that each share a common for easy wiring via removable 3.5mm terminal blocks. The Seal/O-420U is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-420U using the Sealevel SeaMAX API software libraries or use any Modbus RTU compliant device. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Windows 2000, XP and Vista™ operating systems.

Expand your I/O network with Seal/O N series products. Seal/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 Seal/O-420U integrates a patent-pending SeaLATCH™ 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.

Unique Features

- ▶ 16 optically isolated inputs
- ▶ 8 SPDT Form C relays
- ▶ Removable screw terminals simplify field wiring
- ▶ Input power via terminal block or modular connector
- ▶ Patent-pending SeaLATCH USB port provides locking connection with SeaLATCH USB cables via metal thumbscrews
- ▶ DIN rail or table mount
- ▶ Sealevel software supports Windows 2000/XP/Vista operating systems
- ▶ Includes 6' USB type A to SeaLATCH USB type B device cable (Item# CA356)



Technical Specifications

Number of I/O	16 Inputs 8 Outputs
Power Requirement	9-30 VDC @ 2.3W
Input Isolation	300V
Input Range	5-30 VDC
Contact Voltage	60VDC Max
Contact Current	2A Max
Contact Operate Time	2ms Max
Contact Bounce Time	7ms Max
Contact Release Time	1ms Max
Operating Temperature	0 - +70 ° C
Storage Temperature	-50° - +105° C
Humidity Range	10 - 90% R.H.
USB Spec.	1.1 Compliant 2.0 Compatible
Dimensions	7.5 (L) x 5.1 (W) x 1.3 (H)