

Seal/O - USB Data Acquisition Modules

USB to 8 Isolated Inputs / 8 High-Current Form C Relay Outputs

Item # 520U

Control and monitor 8 optically isolated inputs and 8 (SPDT) high-current Form C relay outputs via any USB connection with the Seal/O-520U. Inputs can range from 5-30VDC and optical isolation protects the computer and other sensitive equipment from voltage transients and ground loops that are common in industrial environments. The high-current Form C relays can switch up to 6A loads at 250VAC and 100VDC. Form C relays can be wired for either normally open or normally closed operation. The Seal/O-520U is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-520U 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-520U 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

- ▶▶ USB Modbus RTU interface
- ▶▶ 8 optically isolated inputs
- ▶▶ 8 SPDT high-current 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	8 Inputs 8 Outputs
Power Requirement	9-30 VDC @ 3.8W
Input Isolation	300V
Input Range	5-30 VDC
Max Contact Voltage	250VAC 100VDC
Contact Current	6A Max
Contact Operate Time	10ms Max
Contact Release Time	10ms 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)

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