

# Seal/O - USB Data Acquisition Modules

## USB to 96 Channel TTL Digital Interface

Item # 462U

Control and monitor up to 96 channels of buffered drive digital I/O via any USB connection with the Seal/O-462U. The interface module addresses the 96 channels of I/O as 12 eight-bit ports, each programmable as input or output. Connect up to four industry standard relay racks for PC based control and automation of equipment including sensors, switches, security control systems, and other industrial automation systems.

The Seal/O-462U makes the I/O available via dual DB-78 female connectors. For easy connection to relay racks, Sealevel offers a six-foot cable (Item# CA237) that terminates each DB-78 to two industry standard 50-pin IDC connectors. The Seal/O-462U is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-462U 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-462U 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

- ▶ 96 channels of buffered TTL I/O via two DB-78 female connectors
- ▶ Each 8-bit port individually configurable as input or output
- ▶ Easily connects to industry standard solid-state relay racks with 50-pin connectors, using optional CA237 cables
- ▶ Status indicator LEDs for Communication, Fault, and Power
- ▶ 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 Channels	96 TTL
Power Requirement	9-30 VDC @ 0.8W
Output Specification	Sink up to 64mA Source up to 32mA
Output Power	+5V @ 1A (5W) 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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