USB to 4 Optically Isolated Inputs / 4 Form C Relay Outputs Digital Interface Adapter

Part: 8112   Model: SeaDAC Lite PLC-8

Control and monitor four optically isolated inputs and four Form C (SPDT) relay outputs via any USB connection with the 8112. Inputs can range from 5-30VDC and provide 3500VDC (2500VAC RMS) isolation to ground, while the high-current Form C relays can switch up to 6A loads at 250VAC and up to 5A at 60VDC. The Form C relays can be wired for either normally open or normally closed operation. Each Form C relay has a discrete common and each pair of inputs share a common. Status LEDs display I/O activity and field wiring is simplified via 3.5mm removable terminal blocks.

The SeaMAX software suite supports the SeaDAC Lite family and is designed to work with third party applications via the SeaMAX API. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Windows and Linux operating systems.

The 8112 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.

SeaDAC Lite modules are housed in a rugged, attractive plastic enclosure ideal for mounting on walls, under counters, or inside panels. The 8112 is USB bus powered, so no external power supply is needed. Standard operating temperature range of SeaDAC modules is 0C to +70C and extended temperature range (-40C to +85C) is optional.

Features

- 4 optically isolated inputs
- Optical isolation provides protection against surges and ground loops
- 4 SPDT Form C relays
- Field wiring is simplified via removable 3.5mm terminal blocks compatible with 16-30 AWG wire
- Optional removable spring-clamp terminal blocks available
- Status LEDs display I/O activity and USB connection
- Sealevel's SeaLATCH locking USB port provides secure connection with SeaLATCH USB cables via metal thumbscrews
- Powered by USB connection
- Sealevel software supports Windows 7/Vista/XP/2000 operating systems
- Housed in rugged, attractive plastic enclosure
- Includes 6' USB type A to SeaLATCH USB type B device cable (Item# CA356)

Since 1986

Design & Manufacturing Experience

Long-term Availability Guaranteed

Lifetime Warranty

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Specifications

Family
· SeaDAC Lite

Contact Current AC
· 6A max.

Contact Current DC
· 30 VDC @ 700mA max., (100mA min.)

Contact Operate Time
· 10ms max.

Contact Release Time
· 5ms max.

Contact Voltage
· 60VDC max., 250VAC max., (5VDC min.)

Digital I/O
· Form C Relay Outputs, Isolated Inputs

Dimensions
· 4.3 (L) x 3.4 (W) x 1.3 (H)

Extended Temperature
· Call for Options

Humidity Range
· 10 – 90% Relative Humidity, Non-Condensing

Input Isolation
· 2500VAC RMS, 3500VDC

Input Range
· 5-30 VDC

Input Impedance
· 6.2K Ohms (in series)

Host Interface(s)
· USB

Number of Inputs/Outputs
· 4 Inputs, 4 Outputs

Operating Temperature
· 0°C to 70°C (32°F to 158°F)

Output Power
· DC 240W, AC 1200 VA

Output Type
· SPDT Form C relays

# of Ports
· 4/4

Power Requirement
· +5V @ 500mA

Storage Temperature
· -50°C to 105°C (-58°F to 221°F)

USB Specification
· 1.1 Compliant, 2.0 Compatible