USB to 16 Isolated Inputs / 16 Reed Relay Outputs Digital Interface Adapter

Part: 8221   **Model:** SeaDAC DIO-32

Description

Control and monitor 16 optically isolated inputs and 16 Reed relay outputs via any USB connection with the 8221. 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.

SeaDAC modules are housed in a rugged, attractive plastic enclosure and include a highly-retentive USB Type B connector to prevent accidental disconnection. The 8221 is USB bus-powered, so no external power supply is needed. Standard operating temperature range of SeaDAC modules is 0°C to 70°C and extended temperature range (-40°C to 85°C) is optional.

 The SeaMAX software suite supports the SeaDAC family and is designed to work with third-party applications via the SeaMAX API software libraries, or use any Modbus RTU compliant device. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems.

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.

Category: SeaDAC

Additional information

Family	SeaDAC
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.
Digital I/O	Isolated Inputs, Reed Relay Outputs
Dimensions	9.2 (L) x 5.3 (W) x 1.7 (H)
Extended Temperature	Call for Options
Contact Bounce Time	0.5ms max.
Input Range	5-30 VDC
Input Isolation	300V
Host Interface(s)	USB

Modbus	Modbus RTU
Number of Inputs/Outputs	16 Inputs16 Outputs
Operating Temperature	0°C to 70°C (32°F to 158°F)
# of Ports	16/16
Power Requirement	+5V @ 500mA
Storage Temperature	-50°C to 105°C (-58°F to 221°F)
USB Specification	1.1 Compliant, 2.0 Compatible

16 optically isolated inputs
16 SPST Form A Reed relays
Removable screw terminals simplify field wiring
High-retention USB Type B connector prevents accidental disconnection of USB cable
Powered by USB connection
Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems
Housed in rugged, attractive plastic enclosure
72-inch USB A to B cable included