



# USB to 16 Form C Relay Outputs Digital Interface Adapter

**Part:** 8225 | **Model:** SeaDAC REL-16C

The 8225 provides 16 SPDT Form C relays that can be easily controlled from your computer's USB port. Each relay output is rated for switching up to 60VDC @ 2A. The outputs are grouped in 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. 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.

## Features & Specifications

### USB to 16 Form C Relay Outputs Digital Interface Adapter

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#### Features

- 16 SPDT Form C relays
- Removable screw terminals simplify field wiring
- High-retention USB Type B connector prevents accidental disconnection of USB cable
- Housed in rugged, attractive plastic enclosure
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems
- 72-inch USB A to B cable included (Item# CA179)
- Includes 5V @ 2.4A wall mount power supply with locking DC connector (Item# TR127)

#### Specifications

|                                 |  |
|---------------------------------|--|
| <b>Family</b>                   | SeaDAC                                     |
| <b>Contact Bounce Time</b>      | 7ms max.                                   |
| <b>Contact Current</b>          | 2A max.                                    |
| <b>Contact Operate Time</b>     | 2ms max.                                   |
| <b>Contact Release Time</b>     | 1ms max.                                   |
| <b>Contact Voltage</b>          | 60VDC max.                                 |
| <b>Digital I/O</b>              | Form C Relay Outputs                       |
| <b>Dimensions</b>               | 9.2 (L) x 5.3 (W) x 1.7 (H)                |
| <b>Extended Temperature</b>     | Call for Options                           |
| <b>Humidity Range</b>           | 10 – 90% Relative Humidity, Non-Condensing |
| <b>Host Interface(s)</b>        | USB  |
| <b>Modbus</b>                   | Modbus RTU                                 |
| <b>Number of Inputs/Outputs</b> | 16 Outputs                                 |
| <b>Operating Temperature</b>    | 0°C to 70°C (32°F to 158°F)                |
| <b># of Ports</b>               | 16   |
| <b>Power Requirement</b>        | +5V @ 500mA                                |
| <b>Storage Temperature</b>      | -50°C to 105°C (-58°F to 221°F)            |
| <b>USB Specification</b>        | 1.1 Compliant, 2.0 Compatible              |