

# USB to 8 Inputs / 8 Form C High-Current Relay Outputs Digital Interface Adapter

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**Part:** 8232 **Model:** SeaDAC PLC-16H



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## Description

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Control and monitor 8 optically isolated inputs and 8 (SPDT) high-current Form C relay outputs via any USB connection with the 8232. 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 up to 5A at 30VDC. Form C relays can be wired for either normally open or normally closed operation.

SeaDAC modules are housed in a rugged, attractive plastic enclosure and include a highly-retentive USB Type B connector to prevent accidental disconnection. The 8232 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

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<b>Family</b>	SeaDAC
<b>Contact Current AC</b>	6A max.
<b>Contact Current DC</b>	5A max.
<b>Contact Operate Time</b>	10ms max.
<b>Contact Release Time</b>	5ms max.
<b>Contact Voltage</b>	250VAC30VDC
<b>Digital I/O</b>	Form C Relay Outputs, Isolated Inputs
<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>Input Isolation</b>	300V
<b>Input Range</b>	5-30 VDC
<b>Host Interface(s)</b>	USB

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<b>Modbus</b>	Modbus RTU
<b>Number of Inputs/Outputs</b>	8 Inputs 8 Outputs
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b># of Ports</b>	8/8
<b>Power Requirement</b>	+5V @ 500mA
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)
<b>Switching Capacity</b>	5 VDC @ 10mA min.
<b>USB Specification</b>	1.1 Compliant, 2.0 Compatible

8 optically isolated inputs

8 SPDT high-current Form C 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 (Item# CA179)

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