



# Ethernet Modbus TCP to 16 Isolated Inputs / 16 Reed Relay Outputs

**Part:** 410E | **Model:** Seal/O-410E

Monitor and control 16 optically isolated inputs and 16 Reed relay outputs via any Ethernet connection with the Seal/O-410E. 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. The Seal/O-410E is powered from your 9-30VDC source, or select from a variety of Sealevel power supply options.

Communicate with the Seal/O-410E using industry-standard Modbus TCP protocol or use the Sealevel SeaMAX API software libraries from your application program. Sealevel's SeaMAX software drivers and utilities make installation and operation easy using Microsoft Windows and Linux operating systems.

The Sealevel Modbus Connect app for iOS allows you to access the registers, coils and discrete I/O of your Sealevel Modbus devices and is available on the App Store. Use the app to remotely access I/O in the field or for testing and troubleshooting during application development.

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.

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

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#### Features

- 10/100BaseT Ethernet Modbus TCP interface
- 16 SPST Form A Reed relays
- 16 optically isolated inputs
- Removable screw terminals simplify field wiring
- Status indicator LEDs for Communication, Fault, and Power
- Input power via terminal block or modular connector
- DIN rail or table mount
- Sealevel SeaMAX software supports Microsoft Windows and Linux operating systems

#### Specifications

<b>Family</b>	Seal/O
<b>Contact Bounce Time</b>	0.5ms max.
<b>Contact Current</b>	500mA max.
<b>Contact Operate Time</b>	0.5ms max.
<b>Contact Release Time</b>	0.2ms max.
<b>Contact Voltage</b>	60VDC max.
<b>Digital I/O</b>	Isolated Inputs, Reed Relay Outputs
<b>Dimensions</b>	7.5 (L) x 5.1 (W) x 1.3 (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>	Ethernet
<b>Number of Inputs/Outputs</b>	16 Inputs / 16 Outputs
<b>Operating Temperature</b>	0°C to 70°C (32°F to 158°F)
<b># of Ports</b>	16/16
<b>Power Requirement</b>	9-30 VDC @ 2.9W
<b>RoHS Compliant</b>	Yes
<b>Storage Temperature</b>	-50°C to 105°C (-58°F to 221°F)